

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

1886.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		1887.
	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	Hours.	%.	
Swanbister	27	43	63	25	108	30	166	39	162	31	145	27	141	26	129	27	117	31	63	20	49	22	28	15	Swanbister.
Glasgow	30	43	33	43	56	45	149	35	93	19	152	29	152	29	105	23	94	25	56	18	45	19	37	18	Glasgow.
Durham	51	22	61	23	83	23	125	30	100	20	155	30	179	35	165	36	73	19	55	17	83	34	79	37	Durham.
Newton Reigny	47	20	49	18	92	25	156	37	116	23	180	35	198	39	166	36	108	29	69	22	60	24	54	25	Newton Reigny.
Cronkbourne	43	18	44	16	90	25	191	46	154	31	192	38	209	41	147	32	118	32	93	29	73	29	70	31	Cronkbourne.
York	17 ²	7 ²	47 ²	18 ²	82	23	132	32	97	20	152	30	162	32	151	33	106	28	63	20	68	27	70	31	York.
Stonyhurst	38	16	49	18	83	23	146	35	126	26	161	32	173	34	147	32	124	33	72	22	56	22	60	27	Stonyhurst.
Llandudno	29	12	55	20	82	23	142	34	149	31	158	32	189	38	138	35	89	24	74	23	50	20	26 ²	41 ²	Llandudno.
Buxton	13	5	25	9	30	8	77	19	67	14	84	17	117	23	123	27	65	17	35	11	29	11	14	6	Buxton.
Hillington	68	28	63	23	77	21	144	35	170	35	190	38	203	41	194	43	132	35	100	31	65	26	60	26	Hillington.
Leicester	40	16	35	13	61	17	110	27	122	25	128	26	169	34	153	34	105	28	62	19	41	16	35	15	Leicester.
Churchstoke	50	20	56	21	83	23	146	35	133	27	132	26	168	40	176	39	117	31	50	16	48	19	68	30	Churchstoke.
Geldeston	63	25	52	19	79	22	158	38	205	43	197	40	214	43	209	47	167	45	117	36	72	28	76	32	Geldeston.
St. David's, Pembroke*	59	24	46	17	89	24	171	42	188	39	239	48	212	43	157	35	111	30	82	25	55	21	82	35	St. David's, Pembroke.*
Berkhamsted	44	18	37	14	79	22	157	38	162	31	209	42	207	42	188	42	137	37	68	21	57	22	64	27	Berkhamsted.
Southampton	61	24	55	20	95	26	175	43	178	37	221	45	243	50	184	41	150	40	81	25	64	24	86	36	Southampton.
St. Leonards	72	28	55	20	116	32	152	37	226	47	236	48	248	51	186	42	159	43	112	31	65	25	87	36	St. Leonards.
Southbourne	57	22	49	18	92	25	148	36	181	38	222	46	240	49	188	42	120	32	88	27	64	24	89	37	Southbourne.
Rousdon	73	28	65	24	98	27	165	40	176	37	227	47	208	42	174	39	117	37	78	24	61	23	101	42	Rousdon.
Armagh	33	14	47	18	52	14	150	36	114	23	142	28	137	27	105	23	119	32	61	19	71	28	42	19	Armagh.
Markree Castle	27	11	56	21	65	18	169	40	143	29	131	26	123	24	92	20	108	29	86	27	49	20	36	16	Markree Castle.
Dublin†	46	19	63	23	99	27	171	41	159	33	163	33	178	36	122	27	126	34	69	21	74	29	66	29	Dublin.†
Parsonstown	39	16	49	18	104	29	157	38	124	26	147	29	159	32	94	21	115	31	82	25	60	24	49	21	Parsonstown.

SELF-RECORDING OBSERVATORIES.

Valencia	54	22	63	23	93	26	132	32	166	34	178	36	159	32	118	26	112	30	105	32	66	26	58	25	Valencia.
Aberdeen	46	20	70	27	77	21	171	40	157	31	193	37	199	38	160	35	130	34	47	15	71	30	56	28	Aberdeen.
Falmouth	68	26	43	16	69	19	151	37	222	47	233	48	243	50	156	35	116	31	81	25	73 ²	27 ²	82	34	Falmouth.
Kew	47	18	38	14	73	20	151	37	169	35	223	46	211	43	189	48	134	36	78	24	46	18	72	30	Kew.

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

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METEOROLOGICAL OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER

For the Year 1887.

Published by Direction of the Meteorological Council.



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1891.

Price Twenty-four Shillings.

ERRATA.

ERRATA FOR 1887.

- Page 1. List of Observers:—Scarborough, add "and W. Robinson." ✓
,, 8. Cronkbourne:—Remarks, 17th; insert "(gale)" after "✓."
,, 11. Babbacombe:—Wind-direction, 12th, 9 p.m.; for "NE" read "NNE." ✓
,, 33. Londonderry:—Wind-force, 7th, 9 a.m.; insert "2." ✓
,, 93. Hillington:—Wind-force, 21st, 9 p.m.; insert "1."
,, 101. Glasgow:—Wind-force, 31st, 9 p.m.; insert "1." ✓
,, 110. Laudale, Remarks:—The "✕ and ✕ ● (sleet) p." Printed on 17th, really belongs ✓
to the 18th.
,, 117. Londonderry:—Wind-force, 25th, 9 p.m.; insert "3." ✓
,, 142. Ochertyre:—Absolute max. temp; December:—for "54·5" read "54·5." ✓
,, 150. Newton Reigny, April, 9 a.m.:—Temp., Dep. of Wet-bulb, and Per-centage; for
"42·3," "2·5," "8·17" read "42·4," "2·6,"
"81·1."
Mean Per-centage:—For "83·1" read "82·8."
Year, Air Temperature, 9 a.m. and Mean:—For
"45·1," "44·4," read "45·2," "44·5." ✓

ADDITIONAL ERRATA FOR THE VOLUME FOR 1886.

- Page 153. York:—Height of Barometer; for "— 2 feet" read "2 feet." ✓
,, 176 and 178. Valencia:—Height above Mean Sea Level; for "2 feet" read "9 feet." ✓

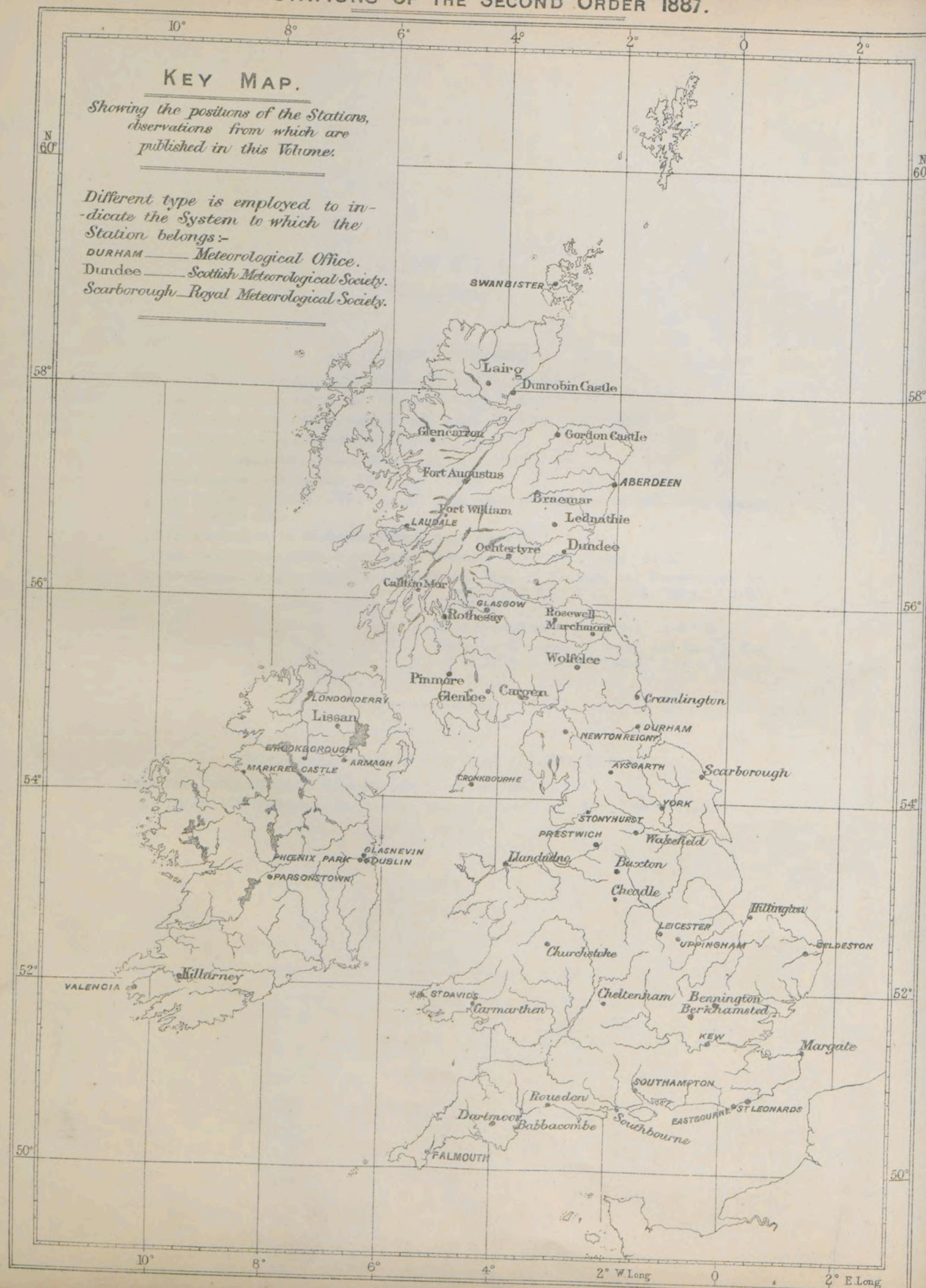
STATIONS OF THE SECOND ORDER 1887.

KEY MAP.

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

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

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



OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER, 1887.

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 year 1886. They number 21, and are as follows, arranged in the order of latitude, beginning with the most Northerly, but starting afresh for the Irish Stations:—

Stations.	Observers.
Swanbister, Orkney	W. Irvine Fortescue.
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 McKelvie.
Glasgow	Prof. R. Grant, M.A., LL.D., F.R.S.
Wolfelee	M. W. Cockburn (for Sir W. Elliot, K.S.I.).
Scarborough	A. Rowntree, F.R.Met.Soc. and W. Robinson.
Cronkbourne, Isle of Man	A. W. Moore, M.A., F.R.Met.Soc.
Stonyhurst College	The late Rev. S. J. Perry, M.A., F.R.S.
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.
Londonberry	J. Conroy, F.R.Met.Soc.
Armagh Observatory	J. L. E. Dreyer, Ph.D., F.R.A.S.
Markree Castle	A. Marth, F.R.A.S. (for Colonel Cooper, F.R.A.S.).
Dublin (Phoenix Park)	Sergt. Lipscombe (for Lieut.-Col. Coddington, R.E.).
Parsonstown	B. Budds and 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) Eastbourne appears for the first time, while the Scaleby observations are discontinued.

It will be noticed that in this "B" list there are included, as in 1886, the observatories, or Stations of the First Order, in connexion with the Meteorological Office. Although the results from these stations, four in number, are already published in detail, abstracts based on two observations daily are included in the present volume in order to make the representation of the meteorology of the United Kingdom as complete as possible.

The alterations which were made in the tables themselves in the volume for 1886 have been continued; thus the barometer readings and means, which previously have been reduced to the mean sea level, are now given without that reduction, that is, at station level. They are, however, corrected for instrumental error and reduced to 32° Fahrenheit as before. This change has been made in consequence of the doubt which attaches to the formula for the reduction of barometer readings to the mean sea level, whenever the height of the station is considerable.

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

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

In other respects the general plan of the publication is the same as in previous years, including, as in the volumes for 1883-1886, the printing of the individual barometer readings to the nearest second place of decimals only. The monthly means are, however, given to the third place of decimals as heretofore, and these monthly means having been obtained from the original readings, to three figures, they will be found occasionally to differ .001 inch from the arithmetical mean of the printed daily readings. When any such difference occurs, the mean, as printed, may be taken as that which is nearest the truth.

As before, the examination, and correction if required, of the observations made at the stations belonging to the Scottish Meteorological Society has been completed by Dr. Buchan, M.A., F.R.S.E., the Secretary of that Society, while the reduction of the observations printed in detail, except for Wolfelee, has been carried out in the Meteorological Office.

At these stations, the scale that was employed for wind-force is that known as the land scale, 0-6, and the entries under this head have therefore been multiplied by two to make them fairly comparable with observations under the Beaufort scale.

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

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

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

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

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

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

In Relative Humidity, complete saturation is represented by 100.

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

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

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

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

The following are the symbols adopted by the Vienna Congress and used in the "Remarks" columns:—

Rain - - - - - ●	Hoar-frost - - - - - ⊥	Solar Corona - - - - - ⊕
Snow - - - - - *	Dew - - - - - ⋈	Solar Halo - - - - - ○
Thunderstorm - - - - - ⚡	*Silver-thaw ("Rauh-frost," "Duft") V	Lunar Corona - - - - - ⊙
Lightning without Thunder, or } <	Glazed Frost ("Glatteis") - ~	Lunar Halo - - - - - ⊗
Sheet Lightning - - - - - ⚡	Snow-drift - - - - - ⊕	Rainbow - - - - - (
Hail - - - - - ▲	Ice Crystals - - - - - ↖	Aurora - - - - - ✨
Soft-Hail ("Graupel") - - - - - △	Strong Wind - - - - - ↗	Dust Haze ("Höhenrauch") - ∞
Mist, Fog - - - - - ☁		

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

e.g. ●⁰ slight Rain.

●² heavy Rain.

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

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

a. indicates a.m.

p. " p.m.

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

n. is used to indicate night.

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

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

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

SWANBISTER.—JANUARY 1887.

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

Long. 3° 8' W. Lat. 58° 56' N.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.
1	ins.	ins.	40.7	40.1	37.7	42.2	0.7	0.9	in.	in.	%	%					
2	30.02	29.89	38.5	35.2	34.6	41.1	0.5	1.0	239	229	94	93	SW	1	Calm	0	
3	30.11	29.86	40.6	39.3	34.3	41.5	2.6	2.8	201	187	80	79	S	6	W	1	
4	29.12	29.00	35.3	37.5	34.3	39.3	2.1	2.9	166	171	80	76	S	6	S	8	
5	28.73	28.78	37.8	36.8	33.1	37.8	3.7	1.9	161	182	70	84	SE	7	SE	4	
6	28.93	28.98	36.0	36.8	33.4	38.3	0.5	1.9	203	182	96	84	ESE	6	NE	6	
7	29.04	29.15	38.8	34.6	31.2	39.7	1.8	0.8	201	185	85	92	E	5	NE	0.5	
8	29.19	29.23	33.8	34.4	31.8	37.7	0.6	0.4	182	191	93	96	NE	1	Calm	0	
9	29.38	29.51	37.9	36.7	31.8	39.9	1.5	1.0	198	198	87	91	SSE	2	SSE	2	
10	29.57	29.55	39.3	38.2	35.3	40.9	1.7	2.5	207	183	87	80	SSE	3	SSE	3	
11	29.79	29.99	41.3	39.8	36.7	42.2	2.4	2.7	211	193	81	79	SE	10	SW	4	
12	30.87	30.95	40.8	41.2	38.1	42.6	1.8	2.2	217	213	86	83	S	7	WSW	6	
13	30.10	30.21	42.6	40.0	38.5	42.9	3.8	2.0	198	207	73	84	W	3	SW	3	
14	30.24	30.09	37.9	39.6	36.3	41.2	1.1	3.1	205	185	90	76	Calm	0	SSE	7	
15	29.87	29.85	37.8	34.0	33.5	40.0	3.6	3.7	162	127	71	65	SSE	9	SSE	9	
16	29.53	29.51	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
17	29.16	29.16	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
18	29.05	29.05	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
19	29.07	29.07	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
20	29.06	29.06	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
21	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
22	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
23	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
24	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
25	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
26	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
27	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
28	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
29	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
30	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
31	29.08	29.08	34.1	38.7	38.0	38.7	3.7	1.8	129	200	66	85	SSE	11	S	8	
Mean	29.593	29.587	40.5	40.0	36.1	43.3	1.9	1.9	217	211	85.1	84.9	4.4	4.5	8.1	7.2	3.460

DUNROBIN CASTLE.—JANUARY 1887.

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.

Long. 3° 56' W. Lat. 57° 59' N.

1	30°07	29°97	38°4	39°4	33°0	41°7	0°8	1°0	*216	*222	93	92	NW	NW	—	—	*100	
2	29°77	29°57	38°4	31°5	30°5	43°0	1°0	0°4	*212	*169	92	95	NW	NW	—	—	*100	
3	29°19	29°04	40°4	35°5	30°7	44°0	2°5	2°2	*201	*167	80	80	SW	NW	—	—	—	Fresh wind.
4	29°28	29°15	33°8	36°1	31°3	38°5	0°7	3°0	*180	*159	92	74	NW	SW	—	—	—	
5	28°83	28°84	34°3	35°3	31°5	39°0	2°0	2°5	*159	*159	80	76	SW	SE	—	—	—	
6	28°98	29°05	37°6	36°5	32°5	41°0	1°4	1°3	*198	*192	88	89	SE	E	—	—	*660	Keen and dry wind.
7	29°07	29°24	39°9	37°1	34°3	40°0	2°3	1°7	*201	*188	82	85	E	N	—	—	*650	* (sleet) showers a.
8	29°27	29°34	33°5	31°1	30°0	39°5	1°0	1°0	*172	*150	90	86	N	N	—	—	—	Dull p.
9	29°47	29°57	32°3	32°1	29°0	38°7	1°0	0°3	*161	*176	88	96	N	NW	—	—	—	
10	29°66	29°66	31°5	28°8	27°7	34°4	0°4	0°5	*169	*144	95	91	SW	N	—	—	*350	
11	29°17	29°62	40°6	39°2	27°7	43°3	2°2	4°0	*208	*165	83	70	E	W	—	—	—	
12	30°02	30°09	35°3	35°8	33°5	41°3	2°8	1°5	*154	*182	74	87	NW	W	—	—	—	
13	29°97	29°12	40°6	39°6	33°0	41°7	2°4	2°4	*205	*197	81	81	W	E	—	—	—	
14	30°27	30°35	35°5	33°1	32°5	43°3	1°2	1°2	*185	*164	89	87	NE	NW	—	—	*050	showers.
15	30°32	30°08	30°8	37°6	30°7	39°0	0°7	3°1	*155	*169	90	75	NW	S	—	—	—	
16	29°93	29°92	35°5	33°3	33°3	38°5	0°1	3°0	*207	*133	99	69	SW	SW	—	—	—	
17	29°60	29°37	32°8	39°2	31°5	39°2	0°5	0°3	*176	*234	94	97	SW	W	—	—	—	Cold wind a.
18	29°67	29°61	33°5	39°9	32°5	41°0	0°2	0°5	*188	*235	98	96	NW	W	—	—	*150	Cold wind a. * showers. Mild p.
19	29°38	29°92	44°2	34°5	34°5	48°0	0°5	0°2	*278	*196	95	93	W	NW	—	—	*150	Dull p.
20	30°18	30°12	36°5	46°6	32°5	48°0	0°3	0°1	*210	*316	98	99	N	NW	—	—	—	
21	30°15	30°03	46°4	50°5	45°2	52°7	0°1	1°0	*314	*342	99	94	W	SW	—	—	—	Clear, frosty, and windy.
22	30°13	30°23	43°9	36°1	35°8	50°5	0°4	0°7	*278	*300	97	94	W	NW	—	—	*420	Mild.
23	30°20	30°10	39°6	36°9	34°5	49°3	0°2	0°5	*239	*209	98	96	NW	NW	—	—	—	Mild.
24	29°94	29°65	40°4	42°9	33°7	47°0	1°0	0°5	*230	*276	92	100	SW	SW	—	—	—	Fine and mild.
25	29°68	29°73	46°9	51°5	42°2	52°3	0°2	3°2	*317	*300	99	79	SW	W	—	—	—	Mild.
26	29°79	29°80	52°0	47°5	47°2	54°7	3°7	1°2	*294	*299	76	92	W	S	—	—	—	Mild.
27	29°84	29°71	51°7	46°6	45°9	52°3	4°0	1°6	*284	*280	75	89	W	SW	—	—	—	Fine and mild.
28	29°74	29°66	39°6	53°5	39°1	53°5	2°7	5°8	*191	*266	78	66	W	W	—	—	*130	Fine, but blowy.
29	29°72	29°81	52°5	49°3	47°6	54°7	4°2	4°6	*289	*246	74	70	SW	W	—	—	—	
30	29°79	29°85	46°9	38°9	37°8	51°3	2°4	3°7	*265	*168	84	72	NW	W	—	—	*030	Squally a. Mild p.
31	29°67	29°41	34°5	38°4	31°5	46°3	1°4	1°2	*172	*208	86	90	NW	NW	—	—	*350	Dull, with * showers a. Fair p.
Mean	29°701	29°703	39°3	39°2	34°6	44°8	1°4	1°7	*216	*210	88°4	86°0	—	—	—	—	*180	Frosty a. Mild p.

BRAEMAR.—JANUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.	Rain.	Remarks.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.		9 a.m.	9 a.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	38°3	37°3	33°2	38°8	1°5	1°7	in.	in.	%	%	SW	1	SW	0°5	9	10	ins.	Dark and soft.	
2	28°95	28°77	38°3	37°3	33°2	38°8	1°5	1°7	201	190	87	86	SW	1	SW	0°5	9	10	0°20	Dark and soft.	
3	28°72	28°44	35°1	31°4	31°4	38°4	0°5	1°6	195	140	95	78	SW	2	SW	0°5	10	1	0°30	Dark and soft.	
4	28°08	27°86	34°2	32°4	30°6	36°0	0°8	0°7	182	169	91	92	SW	6	SW	1	10	7	0°40	* and * (sleet).	
5	28°07	27°99	35°4	31°5	30°7	32°7	0°7	0°5	115	109	84	86	SW	0°5	SW	0°5	1	6	—	Fair, but cold.	
6	27°64	27°67	29°2	19°3	19°3	30°7	0°0	0°6	161	104	100	81	SW	1	SW	0°5	7	4	—	Fair, but cold.	
7	27°72	27°71	31°9	31°9	17°4	32°5	0°2	0°2	111	177	95	97	SW	0°5	SW	2	10	10	0°70	Dull and dark.	
8	27°76	27°83	30°4	32°5	30°4	33°7	0°7	0°8	152	168	89	91	NE	0°5	NE	2	10	7	0°20	Dull a. * p.	
9	27°94	28°09	29°7	27°7	27°4	32°5	0°2	0°8	160	127	97	84	NE	0°5	NE	0°5	8	7	0°20	* showers a. Dull p.	
10	28°17	28°29	31°7	32°7	27°4	33°7	0°8	0°7	160	172	90	92	NE	0°5	NE	0°5	7	10	—	Dull, with (mist).	
11	28°39	28°44	32°9	26°3	19°9	32°9	0°0	0°5	123	127	100	89	NE	0°5	NE	1	2	10	—	Clear and frosty.	
12	28°11	28°48	35°5	34°5	26°3	35°7	2°5	2°5	161	152	77	76	SW	8	SW	0°5	10	2	750	* and * (sleet).	
13	28°87	28°98	29°7	33°7	28°6	35°3	1°0	1°8	138	157	84	81	W	1	SW	4	0	5	—	Fair and clear.	
14	28°84	28°88	35°0	37°7	33°4	38°9	1°6	2°8	181	139	86	72	SW	6	W	2	9	9	—	Soft and dull.	
15	29°06	29°15	29°7	27°4	25°4	35°3	1°0	1°4	138	107	84	73	SW	0°5	SW	0°5	4	0	—	Clear and frosty.	
16	29°13	28°95	13°7	32°7	13°7	33°5	0°0	2°0	081	145	100	77	SW	0°5	SW	2	2	4	—	Fair, but cold.	
17	28°77	28°80	29°1	26°0	25°2	33°2	0°7	0°3	140	131	88	93	S	1	SW	2	7	0	0°10	Dull.	
18	28°50	28°26	24°9	32°7	24°0	33°5	0°2	0°6	128	174	95	93	S	4	SW	10	7	10	0°60	* +.	
19	28°56	28°65	30°4	33°0	29°6	35°9	1°7	0°0	128	188	75	100	SW	0°5	SW	0°5	2	10	—	Fair and clear a.	
20	28°20	28°65	44°6	35°4	32°7	45°5	2°1	2°7	248	157	84	75	SW	6	SW	0°5	8	0	—	Dull and soft.	
21	29°03	29°08	32°9	40°6	32°6	41°5	2°2	2°0	143	212	76	84	NW	0°5	SW	2	3	9	—	Dull and soft.	
22	28°96	28°91	40°3	42°1	39°5	43°7	2°7	1°8	197	230	79	86	SW	4	SW	6	7	6	—	Dull and soft.	
23	29°00	29°00	42°9	39°7	39°3	44°5	2°4	1°1	226	222	82	91	SW	4	SW	2	7	8	0°10	—	
24	29°07	28°94	39°4	37°6	37°6	43°5	0°8	1°2	225	201	94	90	SW	4	SW	2	4	4	—	Fair and clear.	
25	28°77	28°56	36°5	37°6	35°6	42°2	1°7	0°8	184	209	85	93	SW	2	SW	6	9	10	1°20	Dull and damp.	
26	28°61	28°54	41°8	47°3	37°3	47°7	1°3	2°4	237	269	90	83	SW	4	SW	6	10	10	0°30	Dull and damp.	
27	28°63	28°84	46°7	46°5	45°3	48°8	2°4	1°7	264	277	83	89	SW	6	SW	2	9	10	—	—	
28	28°81	28°63	47°5	45°9	45°5	49°5	3°8	2°2	242	260	74	85	SW	4	SW	6	6	7	—	Soft and dull.	
29	28°61	28°59	40°6	47°8	40°1	49°1	2°2	4°5	205	236	83	71	SW	6	SW	10	9	3	0°80	/ (gale) showers.	
30	28°70	28°75	46°9	46°4	45°5	50°2	2°4	4°5	265	210	84	70	SW	8	SW	10	6	7	0°30	/ (gale) showers.	
31	28°66	28°67	46°7	36°8	36°4	48°2	3°9	2°0	232	181	74	83	SW	6	SW	2	7	8	0°30	Dull, with showers.	
32	28°51	28°21	33°7	39°2	33°6	44°3	2°0	1°8	154	205	80	85	SW	4	SW	4	7	7	1°10	Dull a. * p.	
Mean	28°536	28°532	34°5	35°1	31°1	39°5	1°4	1°5	177	178	86°3	84°7	3°0	2°9	6°7	6°5	1°910				

DUNDEE.—JANUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
								Dep. of Wet.			Vapour Tension.								Per-centage.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.						
1	ins.	ins.	30.7	29.89	30.8	30.8	35.5	37.8	1.2	0.6	in.	in.	90	95	W	1	W	1	10	10	ins.	0.010	1.30p.—3p.
2	29.73	29.52	37.8	32.9	32.4	38.6	1.7	0.1	1.194	1.186	86	99	W	2	W	1	10	10	10	10	0.050	showers 2p.—5p.	
3	28.91	28.91	37.7	33.8	31.7	38.3	1.5	0.3	1.197	1.188	87	97	SW	6	SW	1	10	10	10	10	0.010	showers 2p.—6p.	
4	29.15	29.09	31.0	25.5	25.8	36.2	1.3	0.9	1.112	1.116	81	81	W	1	NW	1	5	5	5	5	—	—	
5	28.70	28.66	31.3	25.5	24.2	32.6	1.2	0.9	1.147	1.109	84	80	S	1	NW	1	10	10	10	10	0.140	showers 9a.—1p.	
6	73	70	32.9	33.5	25.0	34.3	1.1	1.7	1.164	1.158	88	82	NE	1	NE	1	10	10	10	10	0.060	showers 9a.—1p.	
7	28.80	28.94	30.7	34.3	28.1	36.3	0.1	1.2	1.170	1.174	99	87	NE	1	NE	1	10	10	10	10	0.120	showers 9a.—1p.	
8	29.01	29.09	31.4	35.0	30.0	35.1	0.8	1.2	1.158	1.180	89	88	NE	1	NE	2	10	10	10	10	0.270	showers 9a.—1p.	
9	29.24	29.36	35.2	33.4	32.6	37.2	0.9	0.1	1.188	1.189	91	99	NE	1	NE	1	10	10	10	10	0.070	showers 9a.—1p.	
10	29.51	29.58	31.5	27.4	25.8	34.8	0.6	0.8	1.163	1.125	93	85	W	1	NW	1	10	10	10	10	0.180	showers 9a.—1p.	
11	29.20	29.56	35.1	35.7	26.2	38.3	0.7	0.1	1.191	1.207	93	99	SE	10	SW	1	10	10	10	10	0.120	showers 9a.—1p.	
12	29.96	30.10	33.8	33.3	32.0	37.4	1.1	1.7	1.172	1.158	88	82	W	2	NW	1	7	7	7	7	—	Fine day.	
13	30.00	29.98	38.2	36.7	32.4	39.1	2.2	0.2	1.188	1.214	82	99	W	2	W	2	10	10	10	10	0.020	showers 9a.—1p.	
14	30.24	30.24	32.3	31.3	29.4	39.6	1.3	1.1	1.154	1.149	84	85	W	1	W	1	0	0	0	0	—	Fine day.	
15	30.25	30.02	26.5	33.3	23.8	33.3	0.9	1.7	1.116	1.156	81	82	N	1	SW	1	10	10	10	10	0.020	showers 9a.—1p.	
16	29.86	29.86	33.6	28.6	27.7	34.2	1.8	1.2	1.157	1.123	81	79	S	2	SW	1	10	10	10	10	0.020	showers 9a.—1p.	
17	29.62	29.62	30.3	34.4	24.2	34.4	1.7	2.3	1.127	1.155	74	77	S	2	S	1	10	10	10	10	0.310	showers 9a.—1p.	
18	29.56	29.61	33.0	35.5	29.6	37.5	1.1	1.4	1.165	1.182	88	87	W	1	S	2	10	10	10	10	0.090	showers 9a.—1p.	
19	29.30	29.70	45.4	38.2	33.2	47.4	0.5	2.3	1.202	1.186	95	81	W	6	NW	4	10	10	10	10	0.030	showers 9a.—1p.	
20	30.13	30.15	35.8	42.5	32.7	43.4	2.2	1.1	1.170	1.248	80	91	NW	1	W	4	7	7	7	7	—	Dull p.	
21	30.11	30.02	42.0	45.0	40.3	47.4	0.7	2.3	1.252	1.247	94	83	W	2	W	6	10	10	10	10	0.030	showers 9a.—1p.	
22	29.95	29.95	45.0	42.3	41.9	49.5	1.4	0.3	1.266	1.263	89	98	W	8	W	1	5	5	5	5	0.020	showers 9a.—1p.	
23	30.11	30.06	41.5	40.7	40.1	46.4	0.7	1.6	1.247	1.220	95	87	W	4	W	2	5	5	5	5	0.020	showers 9a.—1p.	
24	29.89	29.67	38.0	41.4	37.3	41.9	1.0	1.5	1.203	1.229	91	88	SW	1	SW	2	10	10	10	10	—	Dull day.	
25	29.66	29.66	44.4	47.2	40.8	48.3	1.6	1.3	1.256	1.293	88	91	S	4	SW	4	10	10	10	10	0.070	showers 9a.—1p.	
26	29.72	29.72	47.0	48.1	45.5	49.8	2.3	1.4	1.268	1.301	84	90	SW	2	SW	2	10	10	10	10	0.020	showers 9a.—1p.	
27	29.90	29.90	45.6	47.2	43.9	50.6	1.8	2.1	1.265	1.275	87	86	SW	1	SW	1	10	10	10	10	0.020	showers 9a.—1p.	
28	29.72	29.72	44.1	48.9	42.4	49.0	2.6	2.6	1.233	1.284	80	82	SW	8	SW	8	5	5	5	5	—	Dull day.	
29	29.80	29.80	48.3	47.5	46.5	50.6	2.8	2.2	1.272	1.276	81	85	SW	8	SW	6	10	10	10	10	0.010	showers 9a.—1p.	
30	29.78	29.78	46.5	40.2	40.1	49.5	2.8	1.7	1.253	1.215	81	87	SW	1	SW	4	10	10	10	10	0.010	showers 9a.—1p.	
31	29.58	29.28	37.3	43.3	36.8	43.9	0.9	2.3	1.205	1.231	92	82	SW	1	SW	6	5	5	5	5	0.060	showers 9a.—1p.	
Mean	29.624	29.608	37.4	37.4	33.5	41.1	1.4	1.3	1.199	1.201	87.0	87.5	2.7	2.3	8.4	9.4	1.700	1.700	1.700	1.700	1.700	1.700	Stormy from 10a. 0.0 showers.

GLASGOW.—JANUARY 1887.

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

1	30°05	29°90	38°0	39°2	37°6	40°5	0°8	1°0	2°13	2°19	93	92	S	1	SSE	1	8	10	—		
2	29°72	29°54	39°3	35°2	34°2	40°0	1°9	0°6	2°03	1°93	85	94	SSE	1	SW	1	10	10	120	Dull and cloudy, with ☉.	
3	29°13	28°93	39°7	33°7	33°0	41°5	1°7	0°7	2°10	1°79	86	92	S	2	WSW	1	10	10	203	Overcast and squally, with ☉.	
4	29°17	29°2	39°2	33°7	29°2	34°6	1°0	0°9	1°33	1°67	83	89	SW	1	SE	1	4	9	190	☉ ☉ ✕	
5	28°63	28°63	30°6	31°3	29°1	32°9	0°6	1°1	1°56	1°49	91	84	NE	1	NNE	1	10	10	—	✕ before ga. Gloomy and overcast.	
6	28°71	28°71	25°8	29°2	25°8	34°7	0°8	1°0	1°12	1°33	81	83	SW	1	S	1	10	7	—	Overcast.	
7	28°76	28°91	32°6	29°8	27°0	33°4	0°8	0°8	1°68	1°44	90	86	NE	1	WSW	1	10	10	020	Dull and cloudy. ✕	
8	29°01	29°08	33°2	34°1	29°6	35°3	2°0	0°9	1°49	1°79	98	90	NNW	1	NNW	1	6	9	008	—	
9	29°23	29°23	37°3	34°5	32°0	31°9	35°4	0°5	0°6	1°89	1°67	95	92	NNE	1	SW	1	10	10	—	Dull and gloomy.
10	29°52	29°52	29°1	31°8	26°2	32°9	0°1	1°4	1°58	1°48	98	81	ESE	1	NE	1	10	10	150	☉☉☉ ga. Overcast day.	
11	29°09	29°60	39°2	37°5	31°4	41°4	1°4	1°7	2°12	1°92	89	86	SE	3	SW	2	10	4	170	Squally ☉, with ☉.	
12	30°00	30°11	34°7	34°6	34°2	38°9	0°9	1°4	1°84	1°73	91	86	WSW	1	SSE	1	3	3	—	Fine day.	
13	30°00	29°99	39°1	39°1	34°6	40°7	2°2	0°2	1°3	1°96	234	83	98	SSE	2	SSW	1	10	5	086	Gloomy, with squally ☉ ☉.
14	30°20	29°94	25°6	33°9	25°0	34°1	0°6	1°5	1°17	1°66	86	84	NE	1	NNE	4	10	10	—	☉☉☉ ga.	
15	29°82	29°82	31°6	29°2	29°1	35°1	3°2	2°6	1°21	1°06	66	50	E	3	E	3	8	10	—	☉☉☉ a. Dull and overcast.	
16	29°52	29°52	29°5	38°8	27°6	38°8	1°7	1°0	1°18	1°16	73	93	E	3	E	3	8	10	—	Overcast.	
17	29°60	29°60	36°7	36°6	35°8	39°5	1°3	1°0	1°93	1°97	89	92	S	1	ENE	3	8	10	085	Squally ☉ ☉ ☉.	
18	29°33	29°77	30°6	37°6	36°6	40°7	1°0	1°2	1°43	1°02	93	90	SSW	4	SW	1	10	2	020	Overcast, with ☉ ☉.	
19	30°19	30°26	35°9	44°3	34°4	44°5	1°2	1°7	1°92	1°53	91	87	SSW	1	SSW	3	4	10	—	Squally ☉ ☉ ☉.	
20	29°22	29°22	44°0	45°7	43°0	45°9	1°8	1°5	1°47	1°72	86	80	SSW	2	WSW	6	9	9	—	Overcast, with squally ☉.	
21	29°07	29°07	46°6	45°3	45°0	48°1	1°6	0°6	1°29	1°28	89	96	SW	3	SW	1	9	10	—	Squally ☉.	
22	30°14	30°08	43°5	40°0	40°0	46°0	0°7	0°8	1°67	1°31	94	94	SW	1	W	1	10	10	—	Squally ☉.	
23	29°87	29°64	39°6	45°1	39°1	45°3	1°4	1°5	1°25	1°66	89	89	SE	1	SSE	6	10	8	034	Dull and gloomy.	
24	29°61	29°61	45°8	49°5	45°1	49°7	1°1	1°5	1°23	1°16	92	90	SSE	2	S	2	10	10	190	Overcast, with squally ☉.	
25	29°78	29°78	46°7	49°8	46°4	50°2	0°9	1°8	1°07	1°12	94	87	S	1	S	3	10	9	—	Dull and overcast, with ☉ ☉.	
26	29°88	29°88	47°3	48°9	47°3	50°1	3°2	2°4	1°25	1°28	78	83	SSE	1	SSE	1	10	10	038	Overcast.	
27	29°82	29°82	44°4	49°0	43°2	49°6	1°7	2°2	1°24	1°23	87	85	SSW	3	SSW	6	10	7	—	Squally ☉.	
28	29°87	29°87	47°1	49°4	47°0	49°6	2°2	2°3	1°22	1°25	85	84	SSW	3	SSW	3	4	9	—	Squally ☉.	
29	29°79	29°79	46°9	39°8	39°8	50°1	3°3	1°0	1°26	1°25	78	92	S	1	SSW	1	10	10	078	—	
30	29°58	29°35	37°2	42°1	37°1	44°9	1°2	1°2	1°08	1°22	89	91	SSW	1	SSW	2	2	10	188	Squally ☉ ☉ ☉.	
Mean	29°627	29°614	38°0	38°6	35°4	41°7	1°4	1°2	1°205	1°213	87°0	88°2	1°6	2°0	8°5	8°5	1°848				

WOLFELEE.—JANUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	32.0	33.5	27.0	34.0	0.2	1.2	in.	in.	%	%	WSW	W	—	—	ins.	Dull and blowy.
2	29.64	29.49	32.0	33.5	27.0	34.0	0.2	1.2	.177	.197	97	87	SW	SW	—	—	—	Dull and blowy a. ✱ ² at night.
3	29.31	29.11	32.5	34.0	30.0	36.0	0.7	0.2	.170	.168	92	96	SW	SW	—	—	—	Dull and blowy a. U
4	28.79	28.51	34.0	33.0	28.0	36.8	1.2	1.2	.172	.163	87	86	SW	SW	—	—	—	✱ a. Fine and frosty p.
5	.79	.58	22.0	21.0	19.0	37.0	1.2	0.2	.077	.125	66	93	W	W	—	—	—	Dull, with ✱ ² .
6	.20	.19	28.5	20.5	15.0	37.0	0.7	0.2	.135	.102	87	94	S	SW	—	—	—	Dull day.
7	.22	.25	27.5	31.0	14.5	37.0	0.7	0.2	.128	.168	85	96	SW	SW	—	—	—	Clear and frosty a. Dull, with ☼ ² p.
8	.32	.45	25.5	25.5	22.5	34.0	0.7	0.7	.114	.114	83	83	SW	S	—	—	—	Clear and frosty a. Dull, with ☼ ² p.
9	.48	.59	27.5	33.0	20.0	34.0	0.7	0.2	.128	.183	85	97	SE	E	—	—	.628	✱ ² a. Dull day.
10	28.74	28.87	22.5	31.0	20.0	35.0	0.7	0.2	.096	.168	80	96	SE	SE	—	—	—	Clear and frosty a. ☼ ² p.
11	29.03	29.10	31.8	28.5	18.5	35.0	0.2	0.0	.176	.157	98	100	SE	S	—	—	.309	Dull a. Fine and clear p.
12	28.76	.14	35.0	33.0	22.0	38.0	0.7	0.2	.190	.183	93	97	S	S	—	—	.380	Stormy a.
13	29.53	.67	30.2	30.5	27.5	39.5	0.6	0.2	.152	.105	90	96	SW	SW	—	—	—	Fine and clear.
14	.59	.52	34.0	37.0	26.5	35.0	1.2	0.2	.172	.216	87	98	SW	SW	—	—	—	Dull and cloudy.
15	.66	.76	29.0	36.0	27.0	37.5	1.2	1.2	.125	.189	79	89	SW	SW	—	—	—	Fine a. ✱ ² in afternoon. Cold and [windy p.
16	.72	.49	23.0	34.0	18.0	37.5	0.2	1.2	.115	.172	94	87	SW	S	—	—	—	Fine, clear, and frosty.
17	.38	29.37	28.5	20.0	21.0	35.0	0.7	1.2	.135	.068	87	63	SW	S	—	—	—	Cold and windy.
18	.44	28.87	26.5	34.0	16.0	32.0	0.2	0.2	.138	.192	96	98	SW	SW	—	—	—	Fine and clear a. Blowy p.
19	29.13	29.16	31.5	35.0	24.0	38.0	0.7	0.7	.161	.190	90	93	SW	SW	—	—	.619	Blow, with ☼ ² a. Fine p.
20	28.99	.56	42.0	37.5	28.0	43.0	0.2	1.2	.263	.201	98	90	SW	SW	—	—	.140	Fine a. Dull and blowy p.
21	29.73	.77	30.5	40.0	27.0	45.5	0.2	1.4	.164	.218	87	89	SSW	SW	—	—	—	Dull and blowy.
22	.75	.69	41.0	40.0	27.0	41.5	2.3	0.0	.210	.228	82	93	W	W	—	—	—	Dull and blowy.
23	.58	.66	42.8	41.0	37.5	43.5	1.7	1.4	.238	.227	87	89	SW	SW	—	—	—	Fine, but blowy.
24	.68	.63	41.0	38.2	38.0	45.0	1.4	0.6	.227	.218	89	95	SW	NW	—	—	—	Fine a. Dull and blowy p.
25	.45	.25	35.5	39.0	33.0	45.0	1.2	1.4	.185	.219	89	89	SW	SW	—	—	.100	Fine and mild a. ☼ ² showers. Dull
26	.24	.27	41.0	48.0	33.0	42.5	0.9	1.4	.237	.209	93	90	SW	SW	—	—	.079	Dull and blowy a. ☼ ² p. [and blowy p.
27	.33	.51	46.0	48.0	38.5	49.0	3.4	1.4	.236	.299	77	90	SW	WSW	—	—	—	all day.
28	.50	.38	41.0	46.0	38.0	49.0	1.4	1.4	.227	.278	89	90	SW	SW	—	—	.350	Very fine a. Blowy p.
29	.38	.42	40.0	46.0	37.5	49.5	1.4	1.0	.218	.287	89	93	SW	SW	—	—	.040	Stormy a. and during day.
30	.47	.49	46.0	46.5	37.0	47.0	2.4	1.4	.257	.283	83	90	SW	SW	—	—	—	Dull and very blowy.
31	.42	29.30	42.5	40.0	40.0	48.0	2.4	1.4	.223	.218	82	89	SW	SW	—	—	.200	Fine, but blowy.
32	29.17	28.99	36.0	38.5	34.0	48.0	0.7	0.4	.190	.225	94	97	SW	SW	—	—	.630	Dull, with ☼ ² a. Very stormy p.
Mean	29.104	29.182	33.8	35.4	27.3	40.2	1.0	0.8	.176	.199	87.9	91.4	—	—	—	—	3.348	

CRONKBORNE (DOUGLAS), ISLE OF MAN.—JANUARY 1887.

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

Long. 4° 29' W. Lat. 54° 10' N.																				
Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	41.3	42.2	40.4	42.2	0.5	0.4	in.	in.	0.9	0.9	S	4	SW	3	9	10	ins.	Dull day.
2	29.86	29.67	41.7	37.2	36.5	43.2	0.7	0.3	.249	.216	94	97	S	5	W	2	10	8	.080	☉ 0 ga. Overcast.
3	.51	.01	44.0	36.8	35.8	44.0	1.0	1.7	.265	.186	92	86	SSW	6	NW	4-5	10	10	.630	Overcast, with squally ☉ ☉.
4	29.23	29.02	33.7	38.2	30.0	39.8	0.7	1.2	.180	.206	92	90	WNW	2	S	4	3	10	.443	☉ 8a. and 10a. Fine day.
5	28.69	28.67	36.9	36.0	32.9	39.5	0.7	0.9	.205	.195	94	92	NW	4	WNW	2	4	9	.008	☉ ☉ a.
6	.73	.77	34.4	32.2	29.5	38.3	1.6	1.2	.168	.155	83	85	N	1	Calm	0	6	9	—	☉ p.
7	.79	28.88	28.4	34.3	27.2	35.8	0.6	1.3	.138	.172	89	86	N	1	NE	2	4	10	.010	☉ a. Dull day. ☉ shower at night.
8	28.96	29.06	35.8	37.0	32.1	37.8	0.8	0.4	.195	.212	93	96	N	4	NNE	3	8	10	.058	☉ showers a. ☉ 11a.-4p.
9	29.21	.38	30.3	33.5	29.0	37.2	0.5	0.6	.157	.180	93	94	NNW	1	NW	2	7	0	—	☉ a. Dull day. ☉ p.
10	.56	.55	28.5	39.8	23.0	41.0	0.3	0.8	.146	.223	95	94	N	1	SE	4-5	4	10	.732	☉ a. Dull day. ☉ at night.
11	29.20	29.71	46.8	36.0	36.0	47.2	0.3	0.5	.315	.203	98	96	SSW	7-8	Calm	0	10	6	.205	Squally ☉ ☉ 2 a. ☉ p.
12	30.11	30.24	35.8	29.6	29.6	42.3	0.8	1.8	.195	.117	93	72	Calm	0	N	1	0	1	.012	☉ a. and p.
13	.17	.09	42.9	42.0	28.8	45.6	3.3	0.2	.209	.263	76	88	SW	3	Calm	0	8	10	.080	Dull day.
14	20	30.27	39.7	31.0	31.0	44.5	1.0	0.8	.224	.153	92	88	N	2	NW	1	0	0	.004	☉ a. Very fine. ☉ p.
15	30.18	29.96	38.4	33.0	28.0	39.1	2.0	2.0	.193	.147	84	78	ENE	2	SE	5-6	9	10	—	☉ a. Overcast. Squally ☉ p.
16	29.86	.84	31.2	32.8	30.2	33.0	0.8	0.8	.153	.170	89	91	SE	3-4	SE	3	10	10	—	Overcast all day.
17	.59	.42	38.0	45.8	31.9	46.0	0.8	0.8	.212	.289	93	94	SSW	5	W	3	10	10	.453	Squally ☉ a. Overcast. (8a.)
18	.71	.62	36.0	42.2	35.3	46.0	1.0	0.0	.193	.269	91	100	Calm	0	ESE	2	4	10	.381	☉ a. ☉ (mist) p.
19	29.60	29.87	49.0	42.0	40.5	50.0	0.6	2.0	.332	.225	96	85	WSW	5-6	NW	5-6	10	1	.260	Overcast, with squally ☉.
20	30.33	30.40	41.0	44.8	37.5	46.3	1.3	2.2	.229	.247	90	83	WNW	1	W	5	3	8	—	Fine day. ☉ p.
21	.42	.33	44.3	45.0	42.8	45.0	2.0	1.5	.247	.264	84	89	W	4	W	3-4	10	10	—	Overcast.
22	.27	.26	44.8	46.0	40.4	46.8	0.9	1.0	.276	.287	93	93	W	4	WSW	4	7	10	—	—
23	30.27	30.17	44.7	40.2	40.0	46.0	1.0	0.4	.253	.241	86	96	W	1	S	3	10	10	.022	Overcast. ☉ 0 at night.
24	29.97	29.79	40.8	45.4	39.5	45.4	0.9	0.4	.235	.294	93	97	SSE	4	S	5-6	10	10	.030	Squally ☉ p.
25	.76	29.83	47.8	48.1	44.6	48.1	0.2	1.1	.328	.308	98	92	SSW	5	SW	4-5	10	4	—	☉ (mist) a. Overcast, with ☉.
26	29.93	30.04	47.3	47.2	46.6	50.2	1.1	0.8	.299	.305	92	95	SSW	4	Calm	0	10	3	.014	Dull and overcast.
27	30.03	29.92	43.1	47.8	42.0	48.0	0.1	1.0	.276	.307	99	93	ESE	2	SW	5	10	8	.037	Dull day
28	.02	30.06	46.2	47.0	43.1	48.5	0.6	0.5	.299	.311	96	97	W	3	SW	7-8	7	10	—	Squally ☉ p.
29	30.10	30.04	46.5	46.5	45.6	48.6	0.8	0.5	.298	.305	95	97	SW	5	SW	8	4	20	.038	Dull, with squally ☉.
30	29.98	29.84	46.0	45.8	44.2	46.7	0.7	1.1	.294	.282	95	92	S	3	WSW	4	10	10	.122	☉ a. Dull day.
31	29.73	29.52	39.2	42.0	38.5	47.0	1.4	0.2	.212	.263	88	98	WSW	2	NW	5	3	10	.268	Squally ☉ (force 3) p.
Mean	29.739	29.716	40.1	40.2	36.0	43.8	1.0	0.9	.233	.234	91.7	91.6	3.1		3.3	7.1	8.0	3.917		





































STONYHURST.—JANUARY 1887.

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

1	30.00	29.83	28.6	30.2	25.6	32.5	1.4	1.3	117	135	76	80	SW	1	10	—	Overcast and gloomy.
2	29.68	29.46	30.0	34.3	28.9	34.5	0.8	0.5	145	188	86	95	Calm	0	10	—	Overcast and gloomy.
3	29.20	28.72	32.3	35.9	31.8	38.0	0.9	0.8	163	196	89	93	SW	1	10	—	Overcast, with squally.
4	28.98	28.88	26.9	28.9	26.1	36.3	0.7	0.9	123	132	85	84	Calm	0	10	—	Overcast, with squally.
5	43	45	29.1	27.9	26.9	32.0	0.4	0.9	149	124	83	82	E	1	10	—	Overcast, with squally.
6	48	55	24.7	25.9	23.5	32.1	0.6	0.7	113	116	84	84	Calm	0	10	—	Overcast, with squally.
7	57	63	28.9	29.2	22.0	31.0	0.9	1.0	132	133	84	83	NE	1	10	—	Overcast, with squally.
8	61	28.80	33.3	33.1	25.5	34.8	0.8	1.2	174	164	91	87	NNE	2	10	—	Overcast, with squally.
9	28.97	29.13	33.1	29.1	27.9	35.7	1.0	0.8	168	137	89	87	NE	1	10	—	Overcast, with squally.
10	29.34	29.44	28.8	34.0	25.6	34.0	0.6	2.1	141	154	89	79	SE	1	10	—	Overcast, with squally.
11	15	29.48	38.4	38.2	32.0	40.7	1.5	1.3	202	204	88	89	S	7	10	—	Overcast, with squally.
12	29.88	30.03	33.0	30.6	30.4	39.7	0.8	0.9	171	148	91	87	Calm	0	10	—	Overcast, with squally.
13	30.00	29.88	29.0	34.0	26.7	34.8	0.5	1.1	145	174	91	88	Calm	0	10	—	Overcast, with squally.
14	29.95	30.02	33.1	33.9	31.5	36.9	0.2	1.3	185	169	98	86	Calm	0	10	—	Overcast, with squally.
15	95	29.77	35.6	30.6	30.0	35.7	1.3	1.6	185	132	88	76	E	1	10	—	Overcast, with squally.
16	66	63	26.9	23.8	22.8	31.1	0.8	0.9	120	99	83	76	SE	1	10	—	Overcast, with squally.
17	53	35	27.3	34.9	19.1	35.1	0.5	1.1	133	181	89	90	S	3	10	—	Overcast, with squally.
18	50	48	34.1	38.6	32.7	40.4	1.0	1.5	177	205	89	88	Calm	0	10	—	Overcast, with squally.
19	29.47	29.57	46.4	41.9	37.9	48.7	1.2	1.8	287	228	91	87	SW	3	10	—	Overcast, with squally.
20	30.06	30.20	37.9	39.3	35.5	42.5	3.4	0.8	167	225	73	94	NNW	1	10	—	Overcast, with squally.
21	19	13	41.0	40.9	38.4	42.6	1.5	0.9	225	236	88	93	WSW	2	10	—	Overcast, with squally.
22	03	30.05	40.6	41.9	39.3	43.2	0.7	1.7	238	230	94	88	WSW	3	10	—	Overcast, with squally.
23	30.04	29.97	40.6	39.8	39.0	41.9	0.7	1.8	238	209	94	86	WSW	1	10	—	Overcast, with squally.
24	29.79	29.67	36.1	37.7	34.5	39.8	1.5	0.9	185	209	86	92	S	1	10	—	Overcast, with squally.
25	65	70	40.9	45.2	36.9	45.8	0.9	1.3	236	271	93	90	SW	1	10	—	Overcast, with squally.
26	77	88	42.9	42.9	42.0	46.8	2.3	1.0	228	255	83	92	S	1	10	—	Overcast, with squally.
27	87	78	37.5	44.1	33.9	44.5	0.6	1.2	213	262	95	90	Calm	0	10	—	Overcast, with squally.
28	84	94	43.4	42.0	41.1	47.6	0.5	1.9	271	227	96	86	WSW	3	10	—	Overcast, with squally.
29	95	88	41.7	46.5	39.1	51.4	2.6	1.6	211	279	81	88	W	1	10	—	Overcast, with squally.
30	81	66	44.0	42.0	39.5	51.6	2.8	1.3	228	239	78	90	SW	1	10	—	Overcast, with squally.
31	29.50	29.39	42.7	44.2	39.5	44.4	0.8	2.0	257	246	93	85	SSW	3	10	—	Overcast, with squally.
Mean	29.543	29.525	35.1	36.2	31.8	39.6	1.1	1.2	185	190	88.0	86.9	—	—	—	—	Overcast, with squally.

HILLINGTON.—JANUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.	Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.						
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.							9 p.m.			
1	ins.	ins.	17°	22°	16°	31°	0.4	0.0	in.	in.	0.8	87	100	SE	0.5	SSE	0.5	0	3	ins.	— ² a.  (mist). 
2	30° 35	30° 17	29° 0	16° 29	29° 3	15° 0	30° 2	0.4	0.0	0.78	145	87	90	SSE	0.5	S	3	0	10	120	— ² a.  from 8p.
3	29° 66	27	34° 0	35° 1	28° 9	35° 9	0.4	1.2	187	181	99	88	S	0.5	SE	5	10	10	210	 early a.  11a.  5.30p. 	
4	29° 28	29° 26	28° 9	29° 5	28° 1	35° 1	0.5	0.7	145	143	91	88	S	1	SE	1	10	10	150	 early a. (3 ins. deep).  10.30a	
5	28° 73	28° 69	31° 5	30° 9	25° 8	33° 2	0.5	0.5	166	160	94	93	SE	4	NW	2	10	10	960	 all day.  3p.	
6	76	87	26° 9	28° 0	21° 4	31° 3	0.2	0.4	140	140	96	92	SW	0.5	SE	5	10	10	004	 (mist) all day. Snow 5 ins. dec	
7	92	28° 90	26° 6	34° 2	25° 0	34° 2	0.0	0.5	145	186	102	95	SE	0.5	SE	2	10	10	095	 (mist) a.  11a.  2 at night	
8	28° 93	29° 12	36° 0	30° 7	28° 2	36° 2	1.3	0.9	186	149	83	87	S	4	SE	2	10	6	008	Thawing a. Freezing 4p.	
9	29° 22	33	32° 2	30° 0	29° 0	38° 2	0.6	0.4	168	155	93	93	SE	0.5	SE	0.5	7	10	010	 9p.  [— ²	
10	61	85	33° 5	22° 9	22° 9	35° 2	0.4	0.2	184	115	96	95	SW	1	SE	0.5	10	0	004	 till noon. Clear p. Fine suns	
11	29° 77	29° 80	34° 9	30° 7	22° 5	37° 2	1.4	1° 0	176	198	86	91	SE	3	SE	3	10	10	192	— ² a.  (sleet) 11a. Very w [and slipper	
12	30° 13	30° 30	35° 1	31° 7	30° 1	38° 3	0.5	0° 0	194	179	95	100	NW	1	NNW	0.5	10	0	005	 (mist) a.  later.	
13	32	24	27° 2	28° 1	25° 0	36° 0	0.0	0° 2	148	148	100	96	S	0.5	S	1	10	10	006	 (mist) 10a.	
14	20	25	29° 4	33° 3	28° 0	34° 1	0.1	0° 4	160	182	98	96	S	1	N	0.5	10	10	009	Overcast all day.  noon.	
15	30° 26	30° 08	31° 0	29° 1	28° 9	34° 2	1° 4	0° 5	140	146	80	91	E	2	ESE	4	10	10	002	—	
16	29° 95	29° 90	29° 8	21° 8	20° 1	31° 1	1° 7	0° 5	120	109	73	94	E	0.5	ESE	0.5	10	0	—	Fine and sunny from 10a.	
17	93	81	22° 9	33° 4	20° 1	33° 4	1° 2	1° 9	082	152	69	80	SE	0.5	SE	4	0	10	297	— ² a. Fine and sunny.  p.	
18	81	93	34° 3	35° 1	32° 1	35° 2	0.5	0° 3	187	198	95	97	SW	0.5	SE	1	10	10	102	 a. (2 ins. deep).  (mist) all da	
19	29° 90	29° 80	41° 0	45° 0	34° 9	47° 5	0.2	0° 2	225	205	98	98	SW	2	SW	3	8	10	250	Fine and sunny.  8.30p. [ 2 s	
20	30° 29	30° 49	34° 3	30° 1	30° 0	46° 1	1° 3	0° 3	172	158	86	96	NW	1	NW	0.5	0	0	—	— ² a. Very fine and sunny.	
21	45	39	34° 9	39° 9	30° 0	41° 4	1° 1	2° 0	181	206	89	84	SW	2	SW	3	9	10	003	— ² a.	
22	41	33	35° 2	37° 9	33° 5	41° 3	0° 7	1° 3	191	202	93	89	SW	2	SW	3	2	0	004	— ² a.	
23	37	32	36° 3	37° 2	30° 5	41° 3	0° 6	0° 8	202	206	95	93	SW	1	SW	0.5	10	10	002	Overcast all day.  (mist).	
24	14	07	36° 9	34° 9	34° 1	38° 5	2° 1	1° 1	180	181	82	89	S	1	SW	1	10	10	002	Overcast all day.  (mist).	
25	09	12	35° 0	41° 5	33° 2	46° 0	0° 3	1° 8	197	225	97	87	SW	1	S	3	10	2	003	 (mist).	
26	16	24	40° 2	36° 1	36° 1	47° 4	1° 4	0° 4	220	204	89	96	S	2	S	0.5	7	0	008	Fine day.	
27	25	19	33° 7	37° 1	33° 0	39° 4	0° 0	0° 3	193	215	100	97	SW	0.5	SW	0.5	10	005	 (mist), trees dripping.  p.		
28	18	31	42° 9	41° 9	36° 8	51° 5	1° 1	0° 6	252	253	91	95	SW	1	SW	2	7	2	037	— ² 2p.	
29	32	28	42° 1	41° 8	36° 0	49° 4	0° 3	0° 1	261	263	97	99	SW	0.5	SW	1	10	10	010	— ² 0	
30	30° 21	30° 06	36° 0	38° 9	34° 3	49° 9	0° 3	0° 7	205	233	97	95	SE	1	S	1	0	2	—	 2p.	
31	29° 91	29° 88	43° 4	37° 9	37° 5	50° 4	0° 7	1° 2	266	204	95	90	SW	3	SW	2	10	0	040	 2  2p.	
Mean	29° 890	29° 875	32° 9	33° 6	28° 6	39° 0	0° 7	0° 7	176	182	91° 4	92° 7	1° 3		1° 7	7° 7	6° 6	2° 533			

CARMARTHEN.—JANUARY 1887.

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.

Long. 4° 18' W. Lat. 51° 52' N.																			
Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	24.5	25.7	19.5	38.0	0.3	0.7	in.	in.	0.2	0.2	Calm	0	0	0	ins.	—	
2	29.87	29.65	29.2	29.2	22.5	41.0	0.9	0.5	1.35	22.9	84	96	Calm	0	SW	1	10	10	—
3	29.42	29.05	37.7	36.5	29.5	42.5	0.5	1.3	216	189	96	89	SW	1	W	1	6	8	—
4	29.20	29.13	38.3	30.9	29.7	43.1	2.3	0.1	187	170	81	99	NW	1	Calm	0	4	10	—
5	28.74	28.70	39.4	33.5	29.6	42.5	2.6	1.0	191	170	80	90	W	2	Calm	0	8	0	—
6	29.69	29.76	36.3	33.9	31.9	41.3	0.5	0.3	204	188	95	97	NW	1	W	1	3	10	—
7	29.69	29.76	34.9	33.9	32.5	36.5	0.1	1.1	200	172	99	83	E	1	N	1	6	5	—
8	28.86	28.95	30.2	35.5	26.3	40.5	0.4	0.7	156	193	94	94	Calm	0	N	1	6	8	—
9	29.15	29.31	34.6	31.9	31.5	37.2	1.8	0.2	166	175	82	97	NW	1	NW	1	1	8	—
10	29.57	29.51	25.9	39.9	24.9	40.4	0.0	1.4	140	218	100	89	Calm	0	E	4	10	10	—
11	29.33	29.72	47.5	39.9	39.5	49.8	0.4	1.2	319	221	98	91	SW	5	S	1	10	10	—
12	30.09	30.21	35.4	29.1	28.1	48.4	0.6	0.1	194	157	94	98	Calm	0	Calm	0	0	0	—
13	29.20	29.11	27.9	32.7	24.5	38.5	0.4	0.9	140	167	92	90	E	1	Calm	0	6	10	—
14	29.08	29.12	35.9	37.7	32.4	41.8	0.3	1.9	205	189	97	83	Calm	0	E	2	10	10	—
15	29.02	29.83	37.4	30.3	29.3	39.0	3.8	2.4	154	111	70	66	E	3	E	3	5	10	—
16	29.77	29.78	30.4	30.7	28.7	35.0	1.5	0.7	131	154	78	90	NE	1	E	1	10	10	—
17	29.71	29.72	36.2	49.7	35.4	50.6	0.2	0.1	209	355	98	99	SE	3	SW	1	10	10	—
18	29.82	29.84	47.6	43.9	43.8	50.5	0.6	1.2	315	261	96	91	Calm	0	SW	2	10	10	—
19	30.33	30.47	45.0	34.9	34.1	49.2	2.9	0.1	236	200	79	99	N	1	Calm	0	0	0	—
20	29.48	29.40	34.1	42.4	29.5	44.5	0.1	1.7	194	234	99	87	Calm	0	Calm	0	0	0	—
21	29.84	29.87	43.1	40.9	40.2	48.4	0.4	0.2	269	252	97	99	W	1	Calm	0	10	10	—
22	29.30	29.12	40.7	39.1	38.1	41.4	1.0	1.4	232	211	92	89	Calm	0	SE	2	8	10	—
23	29.08	29.85	39.1	43.9	37.8	44.5	1.2	0.5	214	276	90	96	SE	1	SW	4	10	10	—
24	29.83	29.89	47.3	44.8	43.4	52.0	0.6	2.1	311	250	96	84	S	2	Calm	0	10	10	—
25	29.06	29.06	47.3	41.1	40.9	56.3	1.8	0.7	283	242	88	94	S	1	Calm	0	8	0	—
26	29.05	29.02	42.5	40.8	37.0	54.1	0.8	1.9	254	275	94	86	E	1	S	1	6	10	—
27	29.12	29.23	48.4	43.9	43.4	55.1	1.2	0.2	309	283	91	99	SW	1	SW	1	1	10	—
28	29.00	29.11	46.0	44.1	43.0	48.4	0.8	1.6	298	254	98	87	Calm	0	Calm	0	10	0	—
29	29.09	29.89	41.2	44.7	39.7	45.1	1.7	0.7	223	280	87	94	Calm	0	S	1	5	10	—
30	29.81	29.70	42.4	45.8	43.0	49.2	1.5	0.1	243	306	90	99	SW	1	SW	2	3	10	—
Mean	29.755	29.730	38.0	38.5	33.5	44.8	1.0	0.9	214	219	91.2	91.7	1.0	1.2	6.6	7.4	4.770		

MARGATE.—JANUARY 1887.

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

1	30.33	30.16	35.5	34.0	32.5	37.5	3.7	2.0	142	68	79	NE	1	Calm	0	0	0	—	Fine day. ✱ ⁰
2	30.09	30.00	31.8	30.8	27.1	35.2	0.8	0.0	160	172	90	Calm	0	NE	2	8	10	0.050	Fine day.
3	29.75	29.43	38.0	35.0	30.8	39.0	2.0	2.4	190	158	83	SE	3	SE	3	7	10	0.160	✱
4	29.28	29.31	29.0	30.4	27.2	35.8	0.3	0.4	151	158	95	NE	2	SE	1	10	10	0.150	✱
5	28.70	28.75	33.6	34.7	28.0	37.6	0.6	2.0	180	163	93	NE	3	SW	3	10	0	0.010	✱ a. U ^{9p} .
6	29.78	29.92	33.2	34.0	30.5	38.0	0.7	1.3	174	170	93	SW	1	SW	1	10	10	—	Cloudy day.
7	29.04	28.96	33.6	37.7	27.9	38.3	1.6	1.0	160	206	83	SW	2	W	3	8	10	0.240	✱ b. Dull day
8	28.97	29.14	35.2	35.6	33.6	39.5	0.5	0.6	195	196	95	W	2	SE	1	7	10	0.050	▲ before 9a. Dull day. ● p.
9	29.22	29.37	37.3	33.8	32.8	39.8	1.0	1.0	203	174	91	SW	2	W	1	5	10	0.030	—
10	29.67	29.91	33.7	32.7	31.0	38.2	0.9	0.9	175	167	90	W	1	Calm	0	8	0	—	Fine day.
11	29.89	29.90	34.7	37.0	28.8	37.6	1.2	0.7	177	206	88	SW	2	W	3	10	10	0.410	Dull and cold.
12	30.00	30.26	39.0	39.3	36.7	41.4	0.5	1.1	227	218	96	SW	1	E	2	10	7	0.130	☼ a. Very wet.
13	29.29	29.26	40.0	33.8	33.0	40.8	0.5	0.0	236	194	96	N	2	NE	1	10	10	—	Dull day. ☼ p.
14	29.20	29.22	33.2	37.0	31.1	39.3	0.2	2.2	185	179	98	NE	1	E	3	10	10	—	☼ 9a.
15	30.20	30.03	31.2	30.5	29.5	37.8	2.2	0.3	125	162	71	E	3	E	2	10	10	—	—
16	29.91	29.89	30.0	29.5	28.8	32.1	0.6	0.1	150	160	90	E	3	E	2	8	10	—	—
17	29.90	29.90	29.5	34.6	27.1	34.6	0.5	1.6	149	169	92	E	2	W	3	6	10	0.210	Dull day.
18	29.88	29.99	34.6	37.0	31.2	37.8	0.6	0.4	188	212	94	E	3	W	2	10	10	0.030	—
19	30.01	30.00	46.3	48.5	36.0	51.4	0.5	1.1	302	313	97	SW	3	W	4	7	0	0.120	Sunny and warm.
20	29.24	29.55	39.7	34.8	34.2	49.5	1.7	0.3	210	196	86	N	3	Calm	0	5	0	—	Fine and sunny.
21	29.58	29.54	35.8	38.0	34.0	42.3	1.4	1.0	183	208	88	W	2	W	2	10	10	—	Fine day.
22	29.44	29.41	40.0	40.2	37.5	41.2	1.6	1.4	214	220	87	SW	2	Calm	0	10	10	—	Dull all day.
23	29.41	29.38	40.0	37.6	37.0	41.7	1.2	1.4	222	197	90	W	1	NE	2	10	10	—	☼ p.
24	29.42	29.43	36.4	36.0	35.0	38.6	1.0	1.0	195	193	91	NE	2	W	2	10	10	—	Dull day.
25	29.17	29.20	36.8	39.6	35.6	45.0	0.5	1.5	208	214	96	S	2	SE	2	3	0	—	Milder.
26	29.35	29.29	41.4	41.0	38.0	47.6	1.6	1.0	226	235	88	SW	2	S	3	10	0	0.010	☼ 9a. Very fine.
27	29.30	29.25	37.1	39.8	35.0	47.6	0.2	0.7	217	231	88	Calm	0	S	2	0	0	0.020	Fine day. ☼ 9p.
28	29.29	29.42	41.9	45.6	37.0	51.6	0.1	0.5	264	294	99	SSW	2	SW	2	10	10	—	☼ 2 a. Dull day.
29	29.42	29.35	46.0	40.7	40.0	46.8	0.9	0.1	289	252	94	SW	1	SW	1	10	10	0.020	☼ a. and p. Dull day.
30	29.25	29.14	37.4	39.6	33.9	45.6	0.2	0.6	219	231	98	W	1	W	3	10	6	—	☼ before 9a. Fine day.
31	30.06	30.02	45.4	45.5	39.6	49.8	1.0	1.7	279	265	93	W	2	W	3	10	4	—	Fine a. U
Mean	29.924	29.939	36.7	36.9	34.9	41.3	1.0	1.0	200	202	90.7	91.2	1.8	1.9	8.1	7.0	1.630		

SOUTHAMPTON.—JANUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	22.8	26.5	21.0	27.6	0.0	0.3	in.	in.	%	%	NE	3	NNE	1	0	2	ins.	Fine throughout.
2	30.10	29.96	22.0	33.5	20.2	33.8	0.0	0.3	118	186	100	96	NE	1	SW	1	8	10	105	☁ from noon.
3	29.70	29.28	40.7	39.9	33.3	42.4	0.7	0.9	239	227	94	93	SW	4	SW	6	10	10	950	Squally ☁ from 11.30z.
4	29.26	29.34	34.0	29.5	28.4	39.9	0.5	0.0	186	164	95	100	NNE	3	SW	1	10	8	145	* early a. Fine day. ☁ 1 p.
5	28.82	28.87	39.4	33.5	29.0	40.3	1.5	0.5	212	182	83	94	NW	4	W	3	0	0	—	Fine throughout.
6	29.80	29.95	34.5	33.5	31.4	37.2	0.4	0.5	192	186	96	96	WSW	1	Calm	0	7	10	070	Fine day. * ☁ (sleet) 9p.—11p.
7	28.03	28.82	33.5	39.5	29.1	39.9	0.5	0.5	182	232	94	96	SW	2	S	3	10	10	290	* all day.
8	29.01	29.11	33.7	29.8	29.3	40.6	0.7	0.0	180	166	92	100	SW	2	SSE	1	0	0	—	* all day.
9	29.22	29.44	33.2	32.4	27.8	34.1	0.3	0.9	182	165	96	89	NW	1	NW	3	7	10	—	Dull and cold. ☁ a. and p.
10	29.73	29.86	27.8	34.3	27.4	35.9	0.6	0.5	133	188	83	95	NW	1	SE	1	6	0	105	☁ a. Fine during day. ☁
11	29.77	29.83	39.5	43.8	34.1	43.8	0.5	0.4	233	276	96	97	SSE	4	S	3	10	10	365	Dull and gloomy, with ☁. ☁ p.
12	30.15	30.34	38.7	34.0	33.4	43.8	1.5	0.6	206	184	83	93	NNE	4	NNE	1	10	0	—	Beautiful day. ☁ on grass p.
13	30.35	30.50	31.7	28.2	27.4	34.0	0.1	0.0	177	154	99	100	NNE	1	N	1.5	10	10	—	☁ a. and p. Overcast all day.
14	30.23	30.23	28.2	32.7	26.4	34.1	0.0	0.5	154	176	100	95	NE	0.5	NE	1	10	9	—	☁ a. and p. Overcast all day.
15	30.17	30.04	32.5	30.5	29.8	32.7	1.5	0.3	152	162	83	96	E	2.5	ESE	2.5	10	10	—	Fine and dry, but with very cold wind.
16	29.93	29.93	29.8	30.1	29.2	30.5	0.0	0.0	166	168	100	100	NE	2	NE	1	10	10	—	Gold and gloomy a. * ☁ (sleet) 11a.—12n.
17	29.99	29.83	20.5	37.1	20.1	37.7	0.0	0.4	111	213	100	96	NE	0.5	S	4	3	10	125	☁ a. ☁ from 4p.
18	29.89	29.95	38.7	42.4	36.7	42.6	0.3	0.2	229	266	97	99	NE	0.5	SE	2	10	10	055	☁ till 4.30p., then ☁.
19	30.05	30.05	47.0	48.8	42.1	50.8	0.2	0.5	318	333	99	96	SW	1	SW	4	10	10	350	Fine and mild. ☁ from 1p.
20	30.58	30.59	38.6	36.0	35.2	49.6	1.4	0.8	207	197	89	93	NNW	3	WNW	1.5	0	0	—	☁ a. and p. Beautiful day throughout.
21	30.62	30.58	33.9	42.3	31.1	44.9	0.2	1.3	191	242	98	90	W	0.5	W	2	10	10	—	☁ a. Day fine and mild. ☁ out.
22	30.44	30.41	42.4	41.2	41.2	44.2	0.9	1.1	246	248	93	91	WSW	1	NW	2	10	10	—	Dull and overcast.
23	30.42	30.34	40.5	40.7	40.0	43.2	0.9	0.5	233	243	93	96	E	1	SE	2	10	10	—	☁ a. Thickly overcast all day.
24	30.19	30.12	37.2	38.1	36.6	41.6	1.2	0.7	198	215	89	94	SE	3	SSE	3	10	10	003	Overcast, raw, and cold.
25	30.12	30.15	40.7	42.1	37.2	49.7	0.2	0.4	250	259	98	97	SE	2.5	SE	2	10	0	004	Fine and mild. ☁ at night.
26	30.21	30.27	40.2	39.6	38.8	47.2	0.2	0.4	245	235	98	97	SE	1	SE	1	8	0	—	☁ a. Fine and pleasant. ☁
27	30.28	30.24	35.7	38.7	30.4	46.7	0.0	0.0	209	235	100	100	Calm	0	SE	1	10	0	—	most of day. ☁ p. ☁ 1 p.
28	30.32	30.43	44.8	46.6	33.3	49.6	0.4	0.3	287	311	97	98	SW	2.5	SW	3	10	10	005	Dull and damp, with ☁ a. ☁ p.
29	30.42	30.36	45.9	38.8	38.3	47.2	0.1	0.0	308	236	100	100	SW	3	SE	1.5	10	10	—	Dull and damp, with ☁.
30	30.23	30.13	38.9	43.6	37.1	45.4	0.1	0.3	235	277	99	97	SE	1.5	SSW	2	10	10	—	☁ a. Very pleasant p.
31	30.04	29.99	48.1	46.1	43.2	52.7	1.2	0.8	306	303	91	94	SW	5.5	SW	3	10	9	004	Fine and mild.
Mean	29.941	29.930	36.0	37.3	32.2	41.4	0.5	0.4	207	218	95.2	94.9	1.9	—	2.0	8.0	7.0	3.109	—	—

LONDONDERRY.—JANUARY 1887.

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

Long. 7° 19' W. Lat. 55° 0' N.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	41°	42°	39°	44°	1°	0°	in.	in.	0%	0%						
2	30°10	29°99	41°7	42°2	39°8	44°9	1°3	2°3	236	221	90	83	S	3	S	1	10	ins.
3	29°78	29°66	40°0	36°7	34°5	45°0	0°8	1°8	230	183	94	84	SW	3	SE	2	10	1°020
4	29°13	29°03	39°7	32°8	32°0	42°9	1°1	1°5	222	155	91	83	SE	5	W	1	10	1°180
5	29°35	28°82	26°7	32°6	26°0	36°3	0°1	0°2	142	181	98	97	SW	2	SE	2	1	10
6	28°77	28°71	36°7	31°2	30°5	38°5	2°4	0°4	173	166	80	95	SW	2	S	1	10	350°
7	28°81	28°87	28°7	27°2	24°0	34°0	0°3	0°3	149	139	94	94	SW	1	Calm	0	10	3°040
8	28°88	29°03	23°2	32°0	21°5	33°1	0°3	0°2	114	177	92	97	S	1	NE	2	10	—
9	29°16	29°21	31°4	35°7	27°0	38°0	1°0	0°3	153	204	87	98	N	1	SW	1	10	0°70
10	29°33	29°47	29°2	27°7	26°0	37°0	0°3	0°0	153	151	95	100	S	2	S	1	10	0°60
11	29°54	29°41	31°0	39°7	24°0	40°5	1°1	0°3	146	238	84	97	SW	1	SW	3	4	—
12	29°17	29°77	42°2	35°7	35°0	49°0	0°6	0°8	256	194	95	93	SW	2	SW	2	10	450
13	30°10	30°15	33°7	37°8	32°0	41°0	0°8	1°9	178	190	91	84	S	2	SE	4	1	1
14	30°05	30°16	40°4	36°8	36°3	43°1	0°8	0°4	234	210	94	97	S	4	S	1	1	1
15	30°32	30°33	33°8	30°7	30°0	39°5	0°2	0°3	190	164	98	96	SW	2	Calm	0	10	2°60
16	30°24	29°94	27°6	35°7	25°0	36°4	0°2	2°1	144	170	96	81	SE	1	SE	3	10	—
17	29°80	29°81	33°4	33°7	31°0	38°2	1°8	0°8	155	178	81	91	E	3	SW	3	10	2°80
18	29°30	29°44	37°7	39°7	33°0	44°5	0°8	1°3	210	218	93	89	SSE	5	S	2	10	1°30
19	29°72	29°46	35°2	47°9	33°0	48°8	0°8	0°1	190	331	92	99	SW	2	S	2	10	1°400
20	29°48	30°02	50°8	40°0	38°8	54°0	0°4	1°1	361	224	97	91	SW	4	S	1	10	0°90
21	30°39	30°43	37°7	45°4	36°5	47°2	0°8	2°5	210	247	93	82	S	2	SW	3	8	10
22	30°40	30°51	43°2	45°2	43°3	46°5	0°6	1°3	266	271	93	90	SW	3	SW	5	10	0°10
23	30°27	30°27	45°2	43°7	42°8	48°5	0°3	0°8	295	267	98	93	W	4	SW	1	9	0
24	30°27	30°15	43°2	41°2	39°8	44°5	1°3	1°3	251	231	89	90	SE	2	S	2	10	10
25	29°82	29°65	43°0	48°0	40°0	49°0	1°6	2°1	242	283	87	85	S	4	S	2	10	10
26	29°57	29°71	50°7	52°1	46°9	54°0	1°8	2°2	324	332	87	84	S	3	SW	2	10	10
27	29°85	29°91	50°7	52°7	49°0	55°5	1°8	1°8	324	349	87	87	SW	3	S	4	10	10
28	29°84	29°97	50°7	52°7	49°0	55°5	1°8	1°8	324	349	87	87	SW	3	S	4	10	10
29	29°95	29°95	45°7	50°7	42°0	52°0	1°3	2°8	277	300	91	81	SW	3	S	2	3	10
30	29°99	29°94	47°7	50°7	47°0	53°3	1°8	2°5	287	307	87	83	S	2	S	2	7	10
31	29°85	29°90	46°0	38°7	38°0	51°7	2°1	0°3	263	229	85	97	SW	2	S	1	10	10
Mean	29°63	29°55	36°7	39°7	33°0	45°5	1°8	1°3	183	218	84	89	SE	4	S	1	8	10
Mean	29°701	29°708	38°8	39°7	34°9	44°9	1°1	1°2	221	226	90°5	90°2	2°6	1°9	7°9	7°5	2°710	1°110

ins. showers.
 before ga. Fine all day.
 before ga. (mist) ga.
 a. showers.
 before ga.
 Fine during day.
 (mist) a. Fine day.
 a.
 showers.
 Fine a. p.
 Fine all day.
 Fine a. p.
 U 9p.

ARMAGH.—JANUARY 1887.

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

1	30.01	29.89	40.0	39.8	39.0	42.5	1.3	2.0	220	206	90	84	S	3	S	3	8	10	0.30
2	29.68	29.58	39.7	35.4	34.1	41.0	0.9	1.5	226	179	92	87	S	3	SW	2	10	9	1.01
3	28.99	29.03	30.8	31.0	30.2	40.1	1.2	1.1	221	146	91	84	WSW	1	S	6	10	2	1.72
4	29.24	28.79	27.7	31.1	27.3	33.3	0.1	0.1	149	172	98	99	SW	1	S	4	10	10	1.09
5	28.66	28.59	33.6	30.9	29.6	34.9	0.8	0.5	177	161	91	93	SW	2	SSW	1	2	10	—
6	28.69	28.73	30.3	30.5	28.5	33.1	0.3	0.2	161	165	96	97	SW	1	S	0.5	10	10	—
7	28.87	28.87	22.9	27.5	22.5	31.6	0.2	1.1	116	117	95	79	S	1	SW	1	2	10	0.48
8	28.90	29.06	29.8	31.8	25.2	33.7	1.3	0.3	132	173	79	96	SW	0.5	NW	1	9	2	0.75
9	29.20	29.35	29.7	26.0	22.5	32.2	0.5	0.5	151	124	92	88	WSW	1	WSW	1	10	7	—
10	29.46	29.46	17.0	41.0	11.7	41.6	0.9	0.7	066	242	71	94	WSW	0.5	SSE	5	9	10	4.07
11	29.10	29.67	43.6	35.0	35.0	49.0	1.1	1.6	259	172	91	84	SSW	2	WSW	2	10	1	—
12	30.03	30.09	33.1	35.0	30.5	39.5	0.5	2.0	178	164	94	80	SSW	1	S	2	0	4	—
13	29.99	29.03	39.5	38.2	33.6	41.6	2.2	0.4	200	222	82	92	S	3	SSW	1	10	7	1.06
14	30.18	30.21	33.6	28.3	27.0	41.8	0.7	0.1	179	152	92	98	SSW	1	SSW	0.5	2	5	—
15	30.11	29.83	28.9	34.9	24.5	41.2	0.0	2.3	159	158	100	78	SW	1	ESE	1	10	10	0.03
16	29.69	29.72	33.2	33.9	31.0	41.0	0.8	1.0	173	175	91	89	SSE	2	SSE	1	10	10	1.52
17	29.27	29.34	37.8	41.2	33.0	42.5	1.1	1.6	206	225	91	88	S	6	SW	2	10	8	1.55
18	29.63	29.40	36.3	50.0	33.2	50.6	1.4	0.5	188	348	88	97	SSW	1	SSW	3	10	10	2.22
19	29.43	29.88	52.6	36.9	36.3	53.1	2.6	1.5	327	191	82	83	SW	6	W	1	10	3	0.66
20	30.50	30.32	37.0	43.5	33.6	45.7	1.4	2.5	193	220	88	80	SW	2	SW	3	8	10	—
21	29.34	29.22	42.8	43.8	42.0	45.5	1.3	1.2	247	259	89	91	SW	3	SW	3	10	10	—
22	29.20	29.17	44.6	44.4	43.3	46.9	1.2	0.8	267	274	91	94	SW	3	SW	2	10	10	—
23	30.16	30.05	43.0	40.0	39.5	44.8	2.2	2.5	230	198	83	80	SSW	1	S	2	10	10	—
24	29.75	29.58	43.9	47.7	39.5	47.8	2.2	2.3	240	276	84	84	SSE	4	SSW	4	9	10	0.30
25	29.52	29.64	51.6	50.0	46.2	53.0	1.6	2.2	340	304	89	85	S	4	S	4	10	10	—
26	29.76	29.84	50.5	50.8	48.9	53.3	1.5	2.1	328	319	89	86	SSW	2	S	4	10	10	—
27	29.79	29.72	50.0	50.0	47.5	53.4	2.0	1.2	309	329	86	92	S	3	SSW	4	8	10	0.12
28	29.89	29.92	45.5	50.8	42.1	51.6	1.0	2.0	282	321	93	87	SW	4	SW	5	9	10	—
29	29.94	29.88	47.8	50.4	45.3	52.7	2.6	2.4	270	305	81	84	SSW	5	SSW	3	10	10	—
30	29.80	29.78	44.8	47.6	42.5	50.6	2.1	1.6	250	290	85	89	SSW	3	NW	0.5	8	10	1.33
31	29.60	29.44	36.7	39.2	33.8	48.1	1.7	1.2	185	216	85	90	SSW	3	SW	1	8	10	2.13
Mean	29.617	29.609	38.3	39.2	34.2	43.8	1.2	1.3	214	220	88.7	88.5	2.5	2.2	8.5	8.3	2.124		

MARKREE CASTLE (SLIGO).—JANUARY 1887.

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

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					9 a.m.		9 p.m.	
1	ins.	ins.	42.3	40.7	39.7	43.7	0.0	0.0	in.	in.	0.0	0.0	SSE	2	S	1	10	10	ins.	
2	29.77	29.64	40.3	34.7	32.7	42.1	0.3	0.7	243	188	98	93	NW	0.5	Calm	0	10	10	240	
3	28.96	29.13	38.3	34.7	32.8	43.0	0.0	2.2	231	159	100	78	SSW	7	Calm	0	10	9	250	
4	29.32	28.79	23.3	34.2	21.8	34.9	0.0	0.5	125	188	100	95	Calm	0	S	2	10	10	540	
5	28.76	28.76	34.6	33.0	31.4	37.7	0.0	0.4	183	179	92	95	SW	1	Calm	0	10	10	230	
6	28.76	28.77	35.0	34.9	30.2	39.9	0.8	0.4	188	195	92	96	Calm	0	SSW	0.5	8	10	260	
7	28.96	28.96	27.2	24.1	26.3	38.1	0.0	0.9	148	179	100	90	Calm	0	NNE	1	6	9	030	
8	29.12	29.18	31.9	35.2	29.8	39.2	0.0	0.8	159	190	88	92	N	0.5	NNW	0.5	3	5	090	
9	29.20	29.42	32.1	26.3	25.4	41.2	0.2	0.0	179	143	98	100	Calm	0	Calm	0	3	10	010	
10	29.47	29.18	31.1	40.7	24.6	40.7	0.7	0.8	157	237	89	93	SE	1	SE	5	10	10	240	
11	29.19	29.75	41.9	33.9	31.3	47.5	1.9	0.4	226	187	86	96	WNW	3	S	1	10	10	030	
12	30.10	30.10	29.3	36.4	27.3	38.7	0.2	1.9	155	180	97	84	Calm	0	SSE	3	2	10	010	
13	30.02	30.13	41.1	36.1	35.2	43.6	1.6	0.4	224	205	87	96	S	3	Calm	0	10	4	100	
14	29.27	30.26	29.1	25.2	24.1	42.3	0.2	0.0	155	136	96	100	Calm	0	Calm	0	3	10	—	
15	30.13	29.82	32.0	34.1	21.0	36.1	0.7	0.8	165	181	91	91	SE	0.5	SE	1	10	10	010	
16	29.71	29.72	32.2	32.3	31.2	34.3	0.5	0.2	172	180	94	98	SE	3	SE	3	10	10	050	
17	29.25	29.45	39.2	39.0	39.6	46.1	0.6	1.5	228	209	95	88	SE	5	SW	2	10	10	070	
18	29.67	29.46	33.0	50.1	29.6	50.2	0.5	0.4	177	352	94	97	SE	0.5	SSW	2	10	10	650	
19	29.47	30.03	51.7	40.3	39.4	52.3	1.3	1.4	349	221	91	89	WSW	5	NNW	1	10	10	070	
20	30.39	30.42	39.0	42.5	36.1	47.1	1.2	1.1	214	248	90	91	WSW	1	SSE	0.5	8	10	010	
21	29.40	29.32	43.9	44.9	41.7	47.5	1.5	1.1	254	272	88	92	SW	1	S	1	10	10	—	
22	29.27	29.22	44.1	43.9	43.0	49.9	0.5	0.5	278	275	96	96	SSW	1	SSW	1	10	10	—	
23	30.21	30.04	41.0	41.0	40.0	44.3	0.7	1.5	242	225	94	88	S	2	SE	3	10	10	—	
24	29.73	29.58	43.2	47.3	39.3	49.7	0.8	1.4	262	292	93	90	SSE	4	S	4	10	10	—	
25	29.50	29.60	51.4	51.1	44.6	52.8	1.1	2.5	351	312	92	83	SSW	5	SSE	6	10	10	—	
26	29.77	29.82	50.5	52.0	49.4	53.9	0.9	1.8	344	340	93	87	SH	1	S	5	10	10	010	
27	29.78	29.76	50.0	47.3	46.5	52.1	1.8	1.1	314	309	87	92	SSW	5	SW	3	10	9	170	
28	29.95	29.93	47.0	49.4	41.3	51.7	1.5	1.8	287	307	90	88	SW	2	SW	7	8	7	010	
29	29.97	29.92	48.2	50.8	47.1	51.6	1.9	1.8	260	325	87	87	SSW	4	S	4	9	10	—	
30	29.82	29.86	45.4	38.1	37.5	50.8	1.5	0.6	269	217	89	95	S	3	SSW	1	10	10	120	
31	29.60	29.52	36.9	39.0	31.8	46.8	1.5	1.1	191	216	88	91	SSE	4	SW	0.5	10	10	110	
Mean	29.661	29.655	38.9	39.5	34.2	44.8	0.9	1.0	225	227	92.3	91.5	2.1	1.9	8.7	9.5	3.430			Overcast all day.

BIRN CASTLE, PARSONSTOWN.—JANUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.								Per-centage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.	9 p.m.
1	ins.	ins.	40°8	40°8	38°0	44°2	1°5	2°2	223	210	88	83	SSE 2	SSW 3	8	10	ins.	
2	29°07	29°04	40°8	40°8	38°0	44°2	1°5	2°2	223	210	88	83	SSE 2	SSW 3	8	10	ins.	
3	29°08	29°16	41°8	41°9	34°2	32°6	42°0	0°7	1°0	250	178	95	89	SSW 1	S 1	10	10	ins.
4	29°28	28°84	32°3	34°9	29°0	35°0	1°3	0°6	154	191	84	94	Calm 0	S 4	10	0	ins.	
5	28°51	28°51	32°5	35°1	30°8	41°1	0°7	0°7	170	191	92	93	SW 1	SW 2	2	10	ins.	
6	29°06	29°06	32°0	36°3	30°5	40°0	0°7	1°0	165	197	91	92	Calm 0	WSW 3	1	7	ins.	
7	28°59	28°59	32°8	34°2	29°5	36°8	0°5	0°7	176	184	94	93	N 1	N 2	10	10	ins.	
8	29°07	29°14	31°3	33°7	28°0	37°5	0°9	0°7	154	172	88	92	Calm 0	NW 2	2	8	ins.	
9	29°24	29°24	33°3	37°4	26°9	36°8	0°7	0°2	176	143	93	96	Calm 0	Calm 0	9	1	ins.	
10	29°47	29°47	32°3	45°5	24°3	45°5	1°0	0°8	161	286	88	95	Calm 0	SSE 4	8	10	ins.	
11	29°22	29°22	42°8	32°3	31°8	50°3	0°8	1°0	257	161	94	88	W 1	Calm 0	10	2	ins.	
12	30°11	30°17	30°2	33°1	29°0	40°2	0°4	1°1	158	166	94	88	Calm 0	SSE 0°5	0	0	ins.	
13	29°09	29°12	40°8	41°2	32°0	45°1	2°0	0°5	197	248	77	96	S 1	Calm 0	9	10	ins.	
14	29°23	29°27	26°8	25°7	41°5	0°5	0°0	136	146	90	100	Calm 0	Calm 0	1	10	ins.		
15	30°08	29°51	27°7	34°9	24°1	36°6	0°3	1°7	142	169	94	83	Calm 0	E 1	2	10	ins.	
16	29°71	29°73	34°3	30°0	28°9	36°1	1°6	0°3	167	159	84	95	SE 2	Calm 0	10	10	ins.	
17	29°33	29°46	41°0	42°7	29°0	49°9	1°0	0°6	235	239	92	87	SE 2	W 2	10	10	ins.	
18	29°07	29°55	36°8	52°4	33°2	52°6	1°0	1°4	198	355	91	90	SSE 1	SSW 4	10	10	ins.	
19	29°59	30°01	52°2	37°7	36°9	53°3	0°0	1°3	366	200	94	89	SW 2	Calm 0	10	0	ins.	
20	30°40	30°46	34°8	43°8	32°1	46°0	1°6	1°8	173	246	84	86	SW 0°5	WSW 2	3	10	ins.	
21	29°44	29°38	43°8	44°9	42°0	45°9	1°6	1°9	250	254	88	86	SW 2	WSW 1	10	10	ins.	
22	29°32	29°26	43°7	44°2	41°9	46°9	0°9	0°8	265	272	92	94	SW 2	Calm 0	9	10	ins.	
23	30°23	30°06	40°2	41°5	38°9	44°4	0°9	1°5	230	230	92	89	SSW 1	Calm 0	10	10	ins.	
24	29°76	29°64	46°2	47°4	40°3	50°5	1°1	1°6	287	288	93	89	SSE 3	SSE 3	10	8	ins.	
25	29°57	29°65	51°8	50°1	45°2	53°8	1°4	2°2	348	306	90	84	SSW 3	S 3	10	10	ins.	
26	29°79	29°87	50°8	51°8	48°0	52°8	1°0	1°8	346	338	93	87	SSE 0°5	SSE 3	10	10	ins.	
27	29°83	29°81	49°8	51°4	47°6	53°8	2°1	1°3	305	346	85	91	S 3	S 2	9	10	ins.	
28	30°03	30°06	45°1	50°2	41°2	52°4	1°9	1°9	256	315	85	87	SSW 2	SSE 2	2	10	ins.	
29	30°06	29°07	45°4	47°9	42°3	55°1	1°9	1°3	260	300	87	91	SSE 1	WSW 2	8	10	ins.	
30	29°89	29°86	45°2	38°0	38°1	52°0	1°5	0°5	266	227	89	96	Calm 0	Calm 0	10	10	ins.	
31	29°70	29°54	36°0	39°6	31°8	49°1	1°2	0°7	189	229	89	94	S 1	Calm 0	7	10	ins.	
Mean	29°60	29°69	39°2	39°9	34°2	45°5	1°2	1°1	222	229	89°6	90°3	1°2	1°6	7°5	8°0	2°808	

SWANBISTER.—FEBRUARY 1887.

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

1	29°34	29°58	35°0	37°3	31°6	38°7	2°2	3°1	161	166	78	75	SW 5	WNW 5	7	1	1°30	✱ △ ² showers. Ground white with [hall.
2	29°32	29°09	39°0	39°0	31°0	41°6	3°0	1°2	183	214	76	90	S 10	SW 2	10	8	1°50	✱ △ showers before 9a.
3	28°52	29°18	42°2	41°0	30°5	43°5	2°2	2°2	223	211	84	83	WSW 8	SW 5	8	10	1°10	☉ showers. ☐ 7p. ☐ 7.30p.
4	29°62	29°77	39°7	41°0	38°0	42°6	1°7	1°8	210	219	86	86	SSW 4	SW 3	6	10	1°30	☐ 11.30p.
5	29°85	30°20	38°0	35°0	33°5	43°1	1°0	1°5	208	174	91	85	W 1	NW 2	9	1	1°40	— on grass 9a.
6	30°50	45	33°6	39°6	32°0	43°7	0°6	1°6	181	211	93	87	NW 0°5	SSE 3	1	0	—	— on grass 9a. Very fine day.
7	40	44	40°2	43°3	37°4	47°4	2°2	1°3	205	252	83	90	SSW 2	SSW 1	4	10	—	— Fine day.
8	47	58	41°0	37°0	36°0	43°1	2°0	3°0	215	105	84	75	S 0°5	SW 1	3	3	—	—
9	48	38	33°0	34°0	37°0	42°1	1°0	2°0	167	156	89	79	SW 1	NW 0°5	5	3	—	—
10	48	48	38°0	44°0	33°0	44°0	0°0	1°0	228	265	100	92	SSW 3	W 3	5	8	—	—
11	48	57	45°0	42°0	41°0	45°4	1°0	0°2	275	203	92	98	NNW 0°5	Calm 0	10	10	1°10	—
12	60	62	41°8	42°0	46°3	44°6	0°3	0°5	258	256	98	96	Calm 0	NNN 0°5	10	10	0°10	—
13	58	45	43°7	39°0	38°0	45°4	0°3	1°9	278	201	97	83	NNW 2	NNW 2	10	5	0°20	—
14	28	25	39°0	41°0	36°2	43°1	1°0	2°1	218	213	92	83	N 3	SE 4	5	9	0°10	—
15	28	17	40°0	38°0	37°1	41°0	2°5	2°5	108	185	80	81	S 6	S 6	1	1	—	—
16	04	30°18	39°5	35°5	33°6	41°7	2°5	1°0	194	187	80	91	S 5	NW 1	10	2	—	—
17	30°12	29°71	41°0	43°8	30°5	43°8	1°0	0°6	235	272	92	90	SSE 3	SSW 2	5	10	0°50	☉ from 3p.
18	29°71	09	42°5	40°7	39°1	45°0	2°0	1°7	230	218	85	86	NW 5	NW 3	3	5	2°10	☐
19	30°02	88	43°5	40°0	38°7	47°5	1°5	1°0	250	226	88	92	W 2	SW 1	7	2	0°20	☉
20	29°59	58	41°0	40°0	37°0	42°9	1°8	1°5	219	217	86	88	S 3	WSW 5	10	10	0°30	☉
21	05	05	40°5	40°3	37°3	42°4	3°4	1°4	187	221	74	89	W 5	SW 3	5	9	0°00	☉
22	35	18	44°9	45°9	38°3	47°0	1°7	2°5	258	253	87	83	S 3	SSW 6	10	10	1°70	☉
23	35	19	43°6	45°0	42°0	49°7	2°2	2°0	236	253	83	85	SW 2	SSW 6	10	10	2°20	☉
24	26	29°26	46°7	43°1	41°4	49°1	3°0	0°3	251	262	79	97	WSW 6	E 1	8	10	3°20	☉
25	48	30°10	41°0	37°1	33°8	47°8	1°0	1°4	235	194	92	88	NW 5	NW 0°5	6	2	0°10	☉
26	29°07	29°09	42°2	44°4	36°1	48°2	4°4	2°7	185	234	70	80	S 4	S 5	5	3	—	☉
27	30°07	30°09	47°8	44°3	42°8	51°3	2°2	2°9	279	229	84	78	S 3	S 2	7	3	—	☐ 9p. Sea roaring.
28	30°06	30°00	49°0	47°2	41°1	51°3	6°5	2°9	209	258	60	80	SW 5	WSW 1	10	9	0°50	Fine and spring-like.
Mean	29°30	29°30	41°2	40°7	36°4	44°9	1°9	1°7	221	231	85°1	86°4	3°5	2°7	7°0	6°2	2°00	

DUNROBIN CASTLE.—FEBRUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.								Per-centage.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.
	ins.	ins.	°	°	°	°	°	°	in.	in.	°/°	°/°					ins.
1	29°54	29°73	33°8	37°4	31°5	39°5	1°5	2°5	104	176	84	79	W	SW	—	—	* showers. Dull.
2	41	23	40°6	37°9	31°0	42°5	4°0	2°0	177	189	70	83	S	NW	—	—	080 Dull and blowy. Thaw.
3	13	36	44°2	41°4	35°1	47°0	5°6	2°8	181	205	62	79	NW	SW	—	—	230 Dull and mild. ☉ showers.
4	81	29°88	40°6	42°2	36°6	43°5	3°2	3°0	191	209	75	78	SW	SW	—	—	Dull and mild.
5	20°01	30°37	37°6	35°5	33°7	42°2	1°2	1°7	201	176	90	84	W	NW	—	—	Mild a. Cold p.
6	30°58	50	32°1	35°5	30°5	41°0	0°8	1°2	164	185	90	89	N	SW	—	—	Fine, clear, and frosty.
7	49	56	41°4	43°4	32°7	47°3	2°0	1°7	219	245	85	87	SE	S	—	—	Fine day. Milder.
8	55	63	41°2	33°5	33°5	45°7	3°8	2°2	186	149	72	77	SW	NW	—	—	Mild a. Clear and frosty p.
9	56	52	32°1	30°5	27°7	44°3	0°6	2°4	169	114	93	67	SE	NW	—	—	Clear and frosty.
10	49	53	32°1	42°6	28°7	43°7	1°0	2°1	159	220	87	84	NW	NW	—	—	Frosty a. Mild p.
11	56	64	44°4	41°9	40°7	49°3	2°1	0°2	246	261	84	99	NE	NW	—	—	Mild day.
12	66	73	40°9	47°4	39°6	46°3	0°9	0°9	236	242	93	93	NW	E	—	—	Fine and mild.
13	66	54	42°2	42°2	34°5	46°5	1°9	1°5	229	237	86	88	NW	W	—	—	Fine and mild.
14	36	31	39°9	40°2	33°7	42°3	2°7	1°6	194	216	79	87	N	E	—	—	Fine and mild.
15	40	34	39°4	34°8	33°5	42°7	3°0	1°7	184	168	77	83	S	N	—	—	Fine.
16	15	30°31	39°4	33°5	33°0	43°5	3°2	1°0	181	172	75	90	SW	NW	—	—	Dull, cold, and frosty.
17	30°11	29°81	40°4	46°4	32°5	46°5	1°0	1°7	230	275	92	88	E	S	—	—	350 Dull and mild. ☉ showers.
18	29°85	30°13	44°6	40°4	40°2	48°0	2°3	2°2	243	207	82	83	W	NW	—	—	Dull a. Clear p.
19	30°15	30°01	44°2	38°4	35°8	49°3	1°9	1°0	248	212	85	92	NW	NW	—	—	030 Dull and mild.
20	29°70	29°76	44°0	37°9	35°1	44°9	3°2	3°6	228	163	77	71	SW	W	—	—	250 Dull, with ☉.
21	80	76	39°6	40°2	34°5	45°0	3°6	1°6	186	216	76	87	W	W	—	—	
22	49	40	47°5	44°6	34°5	49°5	3°0	1°9	259	252	80	86	SW	NW	—	—	070 Dull and breezy. ☉ showers.
23	47	31	44°6	48°9	39°6	52°5	2°3	2°9	243	277	82	80	NW	S	—	—	
24	40	29°47	48°7	44°6	44°6	54°0	4°7	0°3	237	287	69	97	W	NW	—	—	Fine a.
25	29°64	30°21	39°9	34°5	34°5	54°0	2°3	0°4	201	192	82	96	NW	W	—	—	250 Fine a. ☉ ☉ (sleet) showers p.
26	30°05	11	43°2	45°4	34°0	50°0	5°8	3°9	170	221	60	73	SW	W	—	—	Milder.
27	20	22	49°7	46°2	44°5	53°0	4°0	5°2	262	205	74	66	SW	W	—	—	Fine and mild.
28	30°18	30°15	47°0	47°5	41°2	54°5	3°7	4°5	194	229	74	70	NW	SW	—	—	Mild.
Mean	30°046	30°086	41°1	40°3	35°3	46°7	2°7	2°1	207	211	79°8	83°4	—	—	—	—	1°350

LAUDALE.—FEBRUARY 1887.

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

Long. 51° 41' W. Lat. 56° 41' N.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.								
							9 a.m.	9 p.m.	9 a.m.	9 p.m.									9 a.m.
1	ins.	ins.	30°0	30°7	34°5	42°2	2°0	3°2	in.	in.	%	%	W	4	NW	1	4	1	ins.
2	29°60	29°79	30°0	30°7	34°5	42°2	2°0	3°2	.175	.184	82	75	W	4	NW	1	4	1	* n. * Δ during day. [(Δ)
3	52	26	43°0	41°8	37°5	45°0	2°8	2°8	.219	.209	79	79	S	7	WSW	7	10	7	1460
4	17	36	45°0	37°0	36°2	46°4	3°2	1°0	.229	.200	77	91	W	3	WNW	1	10	10	980
5	82	29°89	41°1	42°0	35°7	45°0	2°1	1°5	.214	.235	83	89	WNW	5	WNW	1	7	10	620
6	29°97	30°28	44°0	40°2	38°7	44°9	3°0	1°2	.224	.224	77	90	WNW	4	NW	2	7	10	140
7	30°59	48	33°3	39°8	31°9	42°0	0°6	3°6	.178	.177	93	72	E	4	S	7	1	1	—
8	50	55	42°4	44°2	39°5	44°8	2°4	3°2	.231	.222	82	76	S	6	S	5	10	7	200
9	60	61	44°2	35°0	34°2	45°0	3°0	0°7	.226	.190	77	93	S	3	Caln	0	6	5	—
10	60	57	35°5	38°0	34°3	39°2	2°8	1°2	.156	.204	75	89	SSE	3	SSE	1	3	10	—
11	53	54	37°0	38°3	35°5	41°0	1°0	1°0	.200	.211	91	92	E	1	Caln	0	10	10	—
12	58	59	36°7	41°0	34°1	46°6	0°8	1°0	.202	.235	93	92	Caln	0	Caln	0	7	6	—
13	65	70	35°0	36°0	33°7	45°3	0°9	0°8	.186	.197	91	93	Caln	0	Caln	0	2	0	—
14	71	57	35°5	41°2	30°7	47°6	0°6	1°0	.192	.237	94	92	Caln	0	Caln	0	7	8	—
15	35	26	42°0	41°0	37°5	42°3	3°2	3°0	.196	.197	76	77	ENE	3	SE	2	7	10	—
16	37	34	38°8	38°5	36°5	41°5	2°8	1°6	.183	.202	78	87	S	3	S	4	7	10	—
17	22	30°26	41°8	42°0	37°5	42°3	2°8	1°6	.209	.233	79	88	S	6	S	6	10	10	750
18	30°15	29°89	44°1	40°9	40°7	50°2	1°1	1°5	.264	.320	91	90	S	7	S	10	10	10	370
19	29°92	30°18	44°3	42°0	41°7	52°9	1°3	1°2	.261	.241	90	91	NNW	2	NW	3	9	4	020
20	30°20	30°08	45°0	44°0	42°0	48°0	2°0	1°0	.253	.265	85	92	NW	1	Caln	0	8	9	330
21	29°77	29°80	45°1	41°3	37°5	46°1	1°1	2°4	.274	.211	91	81	SW	7	SW	3	10	9	170
22	86	91	42°7	45°0	38°6	45°0	2°9	2°3	.214	.247	79	83	W	4	S	3	9	10	380
23	58	44	49°0	51°0	43°9	51°0	3°9	3°2	.266	.204	75	79	W	6	SW	7	10	10	610
24	48	48	47°8	51°7	46°0	51°8	1°8	3°7	.288	.291	87	76	S	7	SW	6	10	10	1190
25	44	29°44	47°3	47°9	45°9	53°7	2°0	2°5	.278	.264	86	83	SW	1	WSW	4	10	8	730
26	29°83	30°19	41°0	39°0	37°0	47°8	2°0	1°0	.215	.218	84	92	WNW	5	WNW	2	7	1	—
27	30°10	14	44°7	48°2	37°7	48°7	5°9	3°2	.180	.261	61	78	S	8	S	6	5	10	—
28	27	29	46°2	47°4	45°8	50°2	2°6	5°0	.255	.218	62	67	S	8	S	6	2	0	—
29	30°27	30°26	45°8	45°3	42°9	50°8	4°8	2°3	.208	.250	68	83	S	6	S	3	0	7	080
Mean	30°095	30°111	41°9	42°4	38°1	46°3	2°3	2°1	.220	.230	82°4	84°6	4°1		3°0	7°1	7°3	8°110	

* n. * Δ during day. [(Δ)

(gale) till 5 p. Bar. 29°12 4 p.

(gale) till 7 a. 2 10 a. - 1 p.

(sleet) showers.

(sleet) showers.

Dark and gloomy. (gale) p.

Squally all day. ∞

Squally. ∞

Dull and overcast all day. ∞ p.

2 a. 2 (pink streamers) 10 p.

Cloudy all day.

∞ p.

(mist) a. * 11 a. - 2 p.

(mist) a.

(mist) a.

(mist) a. and p.

(mist) a. * showers p.

∞. * (sleet) showers.

● noon - 5 p. at night.

all day. (mist) p.

(mist) a. ● nearly all day.

* (gale) a. Cir. from W.

Squally (gale). Much cir. from S.

Squally. Cold. [Very cold till 7 p.

Squally. Cold. Wind calm at 2 p.

DUNDEE.—FEBRUARY 1887.

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

1	29°42	29°66	35°1	36°0	33°9	43°8	1°3	2°2	*179	*172	87	80	W	1	W	4	5	7	—	Fine day. ☀ at times. [130 p.m.]
2	29°45	29°14	37°9	38°3	32°4	40°0	2°1	1°0	*188	*211	82	80	SW	6	W	2	5	10	*350	☀ till 3p. ☀ and ☀ (sleet) from 280
3	29°07	29°27	45°7	45°7	37°1	48°2	0°3	2°9	*301	*243	98	80	SW	12	SW	10	10	10	*280	☀ (gale) till 1p. and after night-fall.
4	29°74	29°78	41°0	41°7	38°7	46°4	2°1	0°5	*213	*253	83	96	SW	2	W	1	7	10	*120	Dull, with ☀ (gale). ☀ 9p.
5	29°80	30°15	42°5	42°5	35°4	47°9	1°9	1°0	*232	*189	86	89	SW	6	W	1	10	0	*030	Dull. ☀ showers 2p. ☀ at night.
6	30°48	29°48	29°8	30°8	29°0	43°2	1°0	0°4	*139	*162	83	94	SW	1	NW	1	5	0	—	Fine day.
7	29°44	29°50	32°6	35°0	27°6	37°3	0°8	1°4	*169	*176	91	86	NE	1	SW	1	10	10	—	Dull day. ☀
8	29°50	29°51	29°4	28°3	27°0	39°2	0°8	0°8	*141	*132	87	86	NW	1	N	1	0	0	—	Fine day.
9	29°49	29°41	33°4	31°8	22°1	36°7	0°8	1°0	*099	*156	79	87	SW	1	SW	1	0	0	—	Fine day. ☀
10	29°39	29°38	26°1	31°6	24°8	35°1	0°4	0°0	*129	*179	91	100	W	1	W	1	5	10	—	☀ 0 from 1p.
11	29°42	29°45	31°7	36°0	29°5	36°7	0°1	0°2	*127	*189	99	89	SW	1	E	1	10	10	*040	☀
12	29°49	29°55	36°7	37°6	35°0	45°5	1°3	0°4	*193	*217	89	97	SE	1	W	1	10	10	*020	☀
13	29°52	29°34	37°4	39°5	36°6	43°1	0°2	1°2	*219	*219	88	90	NW	1	SE	1	10	10	—	☀
14	29°16	29°15	38°1	36°4	35°3	41°7	2°3	0°7	*186	*202	81	94	NE	1	SW	2	10	10	*020	Dull day.
15	29°29	29°27	34°6	36°4	31°1	39°0	1°1	1°6	*179	*185	89	86	SE	1	SW	2	10	10	—	Dull day.
16	29°15	30°17	36°3	37°4	34°3	39°0	1°8	1°6	*181	*192	85	86	SW	2	SW	2	10	10	*010	Dull day.
17	30°10	29°78	37°9	41°6	37°0	42°4	0°4	1°0	*219	*241	97	92	SW	1	W	1	10	10	—	☀ (mist).
18	29°64	29°06	44°6	39°4	38°3	49°0	1°1	2°4	*269	*195	92	81	SW	1	W	1	5	7	—	Fine day.
19	30°02	29°01	37°3	42°7	31°4	47°9	2°1	1°3	*183	*248	83	90	W	1	SW	1	0	10	—	Fine till 2p., then dull.
20	29°70	29°05	42°3	38°5	38°3	45°1	1°7	1°4	*234	*206	87	89	SW	2	SW	2	10	10	—	Dull day.
21	29°72	29°70	37°4	41°0	35°0	44°4	1°6	1°4	*192	*227	86	89	W	1	SW	2	5	10	—	Dull day.
22	29°53	29°35	44°0	48°4	40°6	49°4	0°8	2°0	*270	*291	94	86	SW	2	SW	8	10	10	*080	Dull day. ☀ (gale) 11a.—4p. ☀
23	29°40	29°38	45°9	47°9	44°8	50°4	1°1	3°2	*284	*258	93	78	SW	1	SW	10	10	10	—	☀ (gale) from 11a. [showers 2p.—6p.]
24	29°33	29°27	49°7	47°8	47°5	51°2	1°9	1°4	*308	*298	87	90	SW	10	SW	6	10	10	*010	☀ (gale) till 5p. ☀ showers.
25	29°55	30°06	42°7	39°2	38°5	48°8	2°7	3°4	*218	*176	80	74	W	6	NW	2	7	10	—	Fine day.
26	30°11	29°11	39°3	43°1	32°0	51°2	2°3	2°6	*196	*224	82	80	W	2	W	1	5	5	—	Fine day.
27	29°19	29°24	43°4	43°5	39°8	51°3	3°8	4°3	*204	*196	73	69	SW	2	SW	1	5	10	—	Fine day.
28	30°17	30°11	42°4	41°5	35°0	51°1	4°2	2°0	*189	*221	70	85	W	1	W	4	10	7	—	Fine day.
Mean	29°074	29°089	38°0	39°0	34°6	44°5	1°5	1°6	*203	*209	86°9	87°0	2°5		2°5		7°3	8°1	0°060	

GLASGOW.—FEBRUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	37.3	37.8	35.2	42.5	0.8	2.2	in.	in.	%	%	SSW	1	S	1	5	4	ins.	
2	29.48	29.68	37.3	37.8	35.2	42.5	0.8	2.2	1.85	82	82		SE	2	SSW	2	10	8	5.00	Squally showers.
3	39	20	39.7	39.5	35.3	42.7	2.3	1.5	1.99	2.13	82	88	S	3	SSW	9	10	9	2.28	Very squally showers.
4	07	26	45.7	44.2	38.2	48.1	1.1	3.6	2.8	2.5	92	74	SSW	2	E	1	6	10	5.90	Gloomy and overcast, with squalls.
5	77	29.74	42.6	44.8	40.0	45.3	2.3	0.9	2.25	2.76	83	94	SSW	1	WSW	1	10	0		
6	29.87	30.23	42.7	37.8	37.4	48.0	1.0	1.7	2.52	1.94	92	86	E	1	E	1	6	0		Fine and sunny.
7	30.48	45	33.2	36.9	31.2	40.9	1.0	2.4	1.69	1.74	89	80	NNE	1	NE	1	10	8		Overcast most of day.
8	41	48	36.9	38.6	32.9	42.9	1.5	2.9	1.90	1.80	87	77	SE	1	SE	1	10	0		∞°
9	50	50	30.4	33.4	30.2	39.6	0.6	2.8	1.54	1.37	90	71	NNE	1	WNW	1	0	9		∞° (mist) a.
10	48	42	26.0	30.4	25.7	46.5	1.0	1.4	1.07	1.35	76	79	NNE	1	WSW	1	10	9		
11	39	36	33.0	33.2	30.0	38.4	1.6	0.6	1.54	1.77	82	93	NNW	1	NNE	1	10	10		Dull and overcast.
12	41	42	31.1	37.5	30.5	42.3	0.3	0.5	1.61	2.14	95	96	NNE	1	E	1	8	10		
13	48	51	36.8	36.5	35.9	41.3	0.6	1.0	1.07	1.96	95	92	NE	1	SW	1	10	10		Overcast all day.
14	50	33	39.3	39.9	35.7	43.5	1.0	0.5	2.36	1.02	92	96	NNE	1	ENE	1	8	7		Gloomy.
15	15	13	37.9	38.6	37.1	43.1	1.8	1.6	1.93	2.02	85	87	NE	1	SE	1	6	10		
16	26	25	33.4	36.9	32.5	38.9	1.6	2.1	1.58	1.79	82	83	SSE	1	SSE	1	10	10	1.10	Gloomy, with squalls.
17	15	30.16	36.9	38.2	35.7	39.2	1.9	0.3	1.83	2.25	84	98	NE	1	S	1	10	10	1.72	
18	30.08	29.77	39.6	43.8	38.2	44.0	0.5	0.4	2.33	2.76	96	97	SW	1	WSW	1	3	0		Fine and sunny.
19	08	97	43.6	38.8	38.8	49.8	1.1	1.6	2.59	2.04	91	87	SW	1	SSW	2	6	10		
20	30.65	95	38.7	42.9	35.3	46.1	1.3	1.0	2.09	2.54	90	93	S	2	SSW	1	10	7	0.40	Squally a. Dull day.
21	30.68	68	42.7	38.5	37.2	44.4	1.3	1.9	2.45	1.96	90	85	SSW	1	SSW	2	10	9	0.22	
22	74	72	40.2	41.6	36.6	44.1	1.3	1.4	2.22	2.32	90	89	S	3	S	6	10	10	5.90	Squally showers.
23	53	40	45.9	48.4	41.7	49.5	1.3	1.4	2.78	3.05	91	90	S	4	S	5	10	7	1.20	Squally showers.
24	41	41	49.1	47.2	46.4	49.9	0.8	2.4	3.28	2.69	94	83	S	4	SSW	2	10	10	6.32	Gloomy, with squalls.
25	34	29.34	48.4	45.4	45.4	48.9	1.2	1.0	3.09	2.70	92	92	W	2	SE	1	6	9		Squally. Bright and sunny.
26	30.08	39.2	39.1	38.5	45.0		2.0	2.8	2.00	1.85	84	78	SSE	1	S	3	8	2		Bright and sunny.
27	30.06	10	41.3	44.9	36.4	49.4	4.5	3.3	1.75	2.27	68	76	SW	1	SW	1	5	4		Bright and clear.
28	22	22	45.0	45.4	41.4	55.1	3.6	2.8	2.22	2.41	74	80	SSE	1	SSW	1	6	2		Bright, clear, and sunny.
29	30.20	30.16	41.5	39.7	39.7	48.5	4.9	1.4	1.70	2.16	66	89								
Mean	29.980	29.997	39.2	40.0	36.4	44.6	1.6	1.7	2.11	2.15	86.3	86.2	1.6	1.8	8.0	6.9	3.004			

WOLFELEE.—FEBRUARY 1887.

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

1	28°'90	29°'27	35°'0	33°'0	33°'0	44°'0	1°'4	'176	86	86	SW	W	—	—	—	—	Fine, but blowy a. Fine and clear p.
2	29°'08	28°'79	33°'0	39°'0	30°'0	40°'0	1°'7	'153	'210	81	89	SW	SW	—	—	*730	Fine, but cold and blowy a. Stormy
3	28°'77	28°'90	45°'0	46°'0	31°'0	46°'0	0°'9	0°'4	'277	'201	93	97	SW	SW	—	—	✓'400 (gale) a. ● ² showers, afternoon.
4	29°'36	29°'36	38°'5	46°'5	35°'0	49°'0	0°'9	1°'9	'215	'372	92	86	SW	SW	—	—	*140 Fine, clear, and blowy a. Blowy, with ●
5	'38	'71	46°'0	35°'0	36°'0	47°'5	1°'6	1°'7	'274	'170	89	83	SW	SW	—	—	Blowly a. Fine, calm, and clear p. [P.]
6	'97	29°'98	25°'0	32°'0	22°'5	46°'0	0°'2	1°'2	'127	'153	94	84	S	SW	—	—	Fine and clear.
7	29°'06	30°'00	35°'0	30°'0	22°'5	46°'0	0°'2	0°'2	'200	'161	98	97	SSW	SE	—	—	Dull and cloudy a. Fine and clear p.
8	30°'03	30°'03	28°'5	26°'0	22°'0	45°'5	1°'7	0°'2	'110	'134	70	95	SE	SE	—	—	Fine and clear.
9	30°'00	29°'94	22°'0	23°'0	15°'0	38°'5	1°'2	0°'2	'077	'115	66	94	W	W	—	—	Fine, clear, and frosty.
10	29°'91	'89	15°'5	21°'0	14°'0	38°'0	0°'0	0°'0	'088	'113	100	100	SW	SW	—	—	Fine and frosty.
11	'90	'93	26°'5	34°'0	15°'0	37°'0	0°'2	1°'2	'138	'172	96	87	SSW	NE	—	—	Dull day.
12	'97	'98	35°'0	36°'5	24°'0	40°'5	1°'2	0°'7	'180	'203	88	94	E	E	—	—	Fine and clear a. Dull p.
13	'09	'85	32°'0	36°'0	28°'0	40°'0	0°'7	0°'2	'165	'208	91	98	SE	E	—	—	*070 Fine a. ● p.
14	'65	'66	32°'5	34°'0	30°'0	41°'0	0°'2	0°'7	'181	'182	98	93	NE	S	—	—	Fine and clear.
15	'75	'79	34°'0	35°'5	31°'0	39°'0	1°'2	1°'2	'172	'185	87	89	S	SW	—	—	Dull day.
16	'66	'68	33°'0	36°'0	29°'5	38°'0	1°'2	1°'2	'163	'189	86	89	W	WSW	—	—	Dull a. Fine p.
17	'66	'35	37°'0	40°'0	33°'0	37°'0	2°'2	1°'4	'179	'218	81	89	WSW	W	—	—	Dull day.
18	'21	'44	44°'0	34°'0	37°'0	44°'0	1°'4	0°'7	'257	'182	89	93	W	WSW	—	—	Dull a. T at intervals from 10.30.
19	'60	'51	28°'0	40°'0	24°'0	49°'0	0°'2	1°'4	'146	'218	95	89	WSW	WSW	—	—	Fine, clear, and frosty.
20	'34	'21	40°'5	38°'0	27°'0	42°'0	1°'4	1°'4	'222	'201	89	88	WSW	W	—	—	Dull and blowy a. Fine p.
21	'34	29°'34	36°'0	39°'0	31°'0	43°'0	1°'2	0°'9	'189	'220	89	93	W	W	—	—	Fine and clear a. Dull p.
22	'14	28°'99	43°'0	45°'5	34°'0	44°'5	0°'7	0°'9	'262	'284	94	94	SW	W	—	—	*070 Dull, with ●.
23	29°'05	29°'04	47°'0	45°'0	40°'9	48°'5	0°'9	1°'9	'301	'255	94	86	W	SW	—	—	*350 Blowy, with ●.
24	28°'99	28°'97	47°'0	46°'0	42°'9	48°'5	1°'4	0°'9	'289	'289	90	94	W	W	—	—	*110 Blowy, with ●.
25	29°'16	29°'55	40°'0	36°'0	37°'0	48°'0	1°'9	2°'7	'209	'163	85	76	WNW	SW	—	—	*410 ● showers a. Fine p.
26	'61	'68	36°'0	37°'0	28°'0	46°'0	2°'2	2°'2	'172	'179	80	81	SW	SW	—	—	Fine day.
27	'77	'78	36°'5	42°'0	33°'0	51°'0	2°'7	4°'4	'167	'184	77	70	SW	SE	—	—	Fine and clear.
28	29°'73	29°'74	39°'5	41°'0	35°'0	52°'0	2°'7	5°'2	'157	'161	66	63	ESE	S	—	—	Fine and clear.
Mean	29°'535	29°'549	35°'4	36°'7	29°'3	43°'9	1°'3	1°'3	'187	'196	87°'3	88°'4	—	—	—	—	2°'290

SCARBOROUGH.—FEBRUARY 1887.

Height above Mean Sea Level, 129 feet till 22nd, then 159 feet. Heights above Ground:—Bar., —9 feet till 22nd, then 1 foot.
Therms., 4 feet. Rain-gauge, 1 foot.
Long. 0° 23' W. Lat. 54° 17' N.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	37.1	36.0	36.0	45.1	0.0	0.0	0.0	WNW 2	WNW 2	10	2	ins.	Dull a. Fine later. U 9p.
2	29.58	29.82	37.1	36.0	36.0	45.1	0.0	0.0	0.0	SSE 3	W 3	0	2	210	Fine a. Fine later. U 9p.
3	29.51	29.59	46.3	52.1	37.0	54.3	2.5	0.8	255	WSW 4	WSW 4	2	8	0.030	Fine a. Dull with 0 p. [p.
4	30.07	30.02	44.3	50.1	40.8	52.5	3.1	1.8	225	SSE 1	S 3	3	10	0.030	0 ga. Dull day. Bright and cooler
5	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
6	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
7	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
8	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
9	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
10	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
11	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
12	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
13	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
14	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
15	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
16	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
17	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
18	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
19	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
20	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
21	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
22	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
23	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
24	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
25	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
26	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
27	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
28	30.02	30.00	47.5	40.0	38.7	50.3	2.3	3.5	273	WNW 4	WNW 3	5	0	—	Very fine and bright.
Mean	30.135	30.118	39.6	40.4	35.6	45.6	2.0	2.0	205	2.3	2.7	5.3	4.3	0.540	

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—FEBRUARY 1887.

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

Long. + 29 W. Lat. 54° 10' N.																		
1	29.62	29.81	39.0	38.8	36.3	42.5	2.0	1.8	199	201	84	85	WNW 4	WSW 2	2	7	0.002	Fine day.
2	52	40	42.8	42.0	35.2	47.0	1.8	1.8	236	229	86	86	S 7-8	WSW 5	10	7	1.186	Squally a. 2 from 11a.
3	35	56	48.4	49.0	42.0	49.8	0.9	3.4	317	268	94	77	SSW 6-7	W 8-9	10	6	0.047	Squally a. and p. 2 showers p.
4	29.93	29.92	46.3	48.7	42.4	49.0	1.0	1.1	290	316	93	92	SW 2	SW 6-7	6	10	0.277	Dull day. 2 from 3p. Squally p.
5	30.03	30.33	44.0	38.0	38.0	48.7	0.6	1.5	274	199	95	87	WNW 3	NW 3	10	0	0.046	2 till 11a., then fine.
6	50	48	34.1	41.3	30.0	43.3	1.2	1.8	173	222	87	86	W 2	SSE 4	7	0	—	a. Fine day.
7	50	52	42.7	39.8	39.8	43.7	1.3	0.8	246	228	89	94	SE 3	ESE 3	9	6	—	Dull day.
8	56	54	37.5	38.5	35.9	41.3	1.9	2.0	188	195	84	84	SE 5	SE 3	1	6	—	Squally a. Very fine. (mist) p.
9	54	50	35.2	34.2	34.0	38.5	0.8	0.8	190	182	92	92	ESE 3	ESE 2	8	8	—	(mist) a. and p. Dull day.
10	46	41	33.0	30.2	30.2	35.2	1.4	1.0	159	142	85	84	E 2	NW 2	9	2	—	(mist) a. and p. Dull day.
11	42	39	32.3	38.8	26.5	45.5	1.9	2.3	143	192	78	82	Calm	0 ENE 2	8	1	—	a. Fine day.
12	46	50	35.2	38.0	30.4	45.8	1.1	0.4	184	220	89	96	NNE 1	NE 4	0	3	—	a. and p. Very fine.
13	49	38	38.7	40.0	36.2	41.8	3.3	1.0	174	226	75	92	NE 3	NE 2	2	10	—	Very fine.
14	14	14	41.4	40.2	39.2	42.8	1.8	0.4	293	241	86	90	ENE 5	SE 4	5	7	0.003	Squally a. Fine day.
15	27	29	38.2	38.8	36.0	40.2	1.2	1.8	206	201	90	85	ESE 3	SSE 2	10	10	—	Overcast, with (mist).
16	26	30.26	38.7	41.0	37.5	41.0	1.3	0.3	210	250	89	98	S 1	SW 2	10	10	0.003	Overcast, with (mist).
17	30.19	29.92	40.9	45.5	40.2	45.5	0.5	0.3	245	298	90	98	SSE 2	SW 4	10	10	0.366	Overcast, with (mist).
18	30.81	30.02	45.2	40.9	40.9	47.1	0.9	1.4	280	226	93	89	NNW 5	NNW 4	9	0	0.012	Squally a.
19	30.12	30.08	44.4	44.2	36.8	44.8	2.0	1.4	248	259	85	89	NNW 3	WSW 2	6	10	—	Overcast.
20	29.87	29.80	43.8	39.0	39.0	44.5	1.3	0.8	257	222	90	94	SW 3-4	W 1	10	3	0.030	Overcast. 2 from 11.30a.
21	85	87	41.7	43.0	35.8	46.8	1.3	1.0	236	255	90	92	WNW 3-4	WSW 2	3	3	0.206	Dull a. Fine p.
22	73	65	45.8	47.6	41.0	47.6	0.8	1.8	289	305	94	93	W 4	SW 5	10	10	0.050	Dull, with (mist). Squally p.
23	64	66	48.0	47.0	45.8	48.8	1.8	1.0	290	298	87	93	SW 6	SW 5-7	10	8	—	Squally a. and p. Dull day.
24	57	29.47	48.2	47.8	46.5	48.2	0.6	0.4	322	322	96	97	SW 6-7	SW 5	10	10	1.120	Squally (force 8).
25	29.84	30.16	42.0	37.0	35.8	47.9	1.7	1.1	231	188	87	90	WNW 6	Calm	0	2	—	Squally a. Very fine. 2 p.
26	30.16	22	44.0	45.9	33.6	48.1	3.2	1.7	220	270	76	88	S 5	SSW 5-6	7	1	—	Squally a. and p. Fine day.
27	33	32	46.4	39.2	39.0	50.7	2.6	2.2	256	197	82	82	S 3	ENE 1	1	2	—	a. Very fine.
28	30.26	30.29	46.0	45.2	31.8	48.0	2.0	0.2	265	275	86	98	WSW 2	SW 3	4	10	—	a. Very fine.
Mean	30.086	30.102	41.6	41.3	37.0	45.3	1.5	1.2	234	237	87.8	90.0	3.6	3.3	6.8	5.8	1.353	

STONYHURST.—FEBRUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	35.8	36.0	34.7	45.0	0.8	1.6	195	182	93	86	WhyN 1	SSW 1	10	10	ins.	Overcast, with a. Sunny p.
2	29.35	29.61	33.8	41.8	30.9	45.4	2.3	1.9	149	227	77	86	S 4	WhyS 4	2	6	1.165	a. noon. Squally p. p.
3	29.45	29.23	47.9	48.9	38.2	52.4	3.6	2.4	251	289	76	84	SWbyS 4	WSW 6	10	10	0.080	Squally a. and p. p.
4	29.78	29.81	44.0	48.2	39.2	49.9	2.9	1.8	226	293	78	88	WSW 1	SWbyS 3	9	10	0.130	Fine and sunny a. Overcast, with p.
5	29.79	30.08	47.0	37.7	36.9	49.3	3.0	2.6	264	178	80	78	SWbyW 3	NWb.W 1	10	0	0.050	Overcast and gloomy, with showers.
6	30.29	30.31	33.0	33.7	28.0	41.1	1.3	1.6	161	151	85	83	Calm 0	Calm 0	0	0	—	Cloudless day.
7	30.32	30.35	34.3	28.0	27.2	38.8	1.3	0.8	172	128	86	84	Calm 0	NEbyN 1	4	0	—	Fine and sunny a.
8	30.36	30.35	31.1	30.7	26.3	37.1	1.6	2.7	136	110	77	64	NEbyN 1	NNE 1	0	0	—	Fine and frosty.
9	30.33	30.26	25.0	26.0	22.8	31.5	1.1	1.1	097	104	72	74	NEbyN 1	NEbyE 1	0	0	—	Fine and frosty.
10	30.21	30.16	27.2	31.3	23.4	35.0	1.8	2.0	096	130	66	74	NNE 1	EbyN 1	0	2	—	Fine and frosty.
11	30.14	30.12	32.6	35.0	26.7	40.6	2.4	3.0	136	148	73	72	NE 1	NEbyE 2	10	0	—	Fine and frosty.
12	30.20	30.21	35.2	35.4	30.9	41.0	2.3	1.4	161	180	79	87	NEbyE 1	Calm 0	0	10	—	Fine and sunny.
13	30.20	30.09	34.9	36.0	30.7	39.0	1.9	1.4	165	186	81	87	NE 1	NE 1	0	6	—	Fine and sunny a. Overcast p.
14	29.89	29.93	37.9	35.4	34.4	40.3	1.7	2.1	195	167	86	81	Calm 0	E 2	10	10	—	Overcast and gloomy.
15	30.03	30.06	30.3	34.9	33.8	37.0	2.0	2.0	177	163	83	81	EbyN 1	EbyS 1	10	10	—	Overcast and gloomy.
16	30.07	30.05	29.9	34.2	28.7	35.9	1.8	1.2	119	174	72	87	Calm 0	Calm 0	10	10	—	Overcast and gloomy.
17	30.09	29.74	33.6	39.0	31.9	39.4	1.0	0.8	172	222	89	94	Calm 0	Calm 0	10	10	0.270	Overcast a. Fine and sunny p.
18	29.56	29.74	43.2	40.9	37.2	46.0	0.2	3.6	275	186	98	73	WNW 1	NNE 2	10	10	—	Overcast and gloomy a. Warm and [sunny later.
19	29.88	29.84	35.3	37.6	31.2	45.6	1.5	0.6	179	213	86	95	Calm 0	Calm 0	7	10	—	Fine and sunny.
20	29.69	29.54	39.8	40.2	37.2	42.8	1.8	0.3	209	243	86	97	WSW 1	WhyS 1	10	10	0.190	Overcast and gloomy.
21	29.63	29.67	37.5	38.9	34.9	43.3	1.0	0.9	205	219	92	93	Calm 0	WSW 1	10	10	—	Overcast and gloomy.
22	29.57	29.47	40.7	40.6	36.2	48.5	1.5	1.4	222	278	88	90	SbyW 3	SWbyW 4	10	10	0.608	Overcast and gloomy. p.
23	29.49	29.52	46.0	46.8	44.5	49.6	1.9	3.0	276	253	87	80	WSW 4	SSW 2	10	10	—	Overcast and gloomy.
24	29.43	29.33	48.7	47.9	46.8	51.2	2.9	1.1	275	306	81	93	SW 6	SSW 6	10	10	0.420	Overcast and gloomy. p.
25	29.56	29.95	42.2	37.0	35.9	48.5	2.1	1.1	325	198	85	90	W 3	WhyS 1	10	0	—	Overcast a. Fine and sunny later.
26	30.04	30.08	39.1	40.6	29.9	48.0	4.0	2.8	165	195	70	78	ENE 1	SSW 1	0	4	—	Fine and sunny.
27	29.18	29.14	41.0	42.9	39.5	51.9	4.0	1.9	180	235	70	85	EbyS 1	SEbyE 2	0	0	—	Fine and sunny.
28	30.13	30.07	39.6	41.0	32.6	51.3	4.4	3.4	162	190	67	74	SSE 1	WSW 1	0	0	—	Fine day.
Mean	29.887	29.896	37.7	38.3	33.0	43.8	2.1	1.8	187	199	80.8	83.5	1.5	1.6	6.1	6.0	1.913	

CHURCHSTOKE.—FEBRUARY 1887.

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° 3' N.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	33°	33°	29°	47°	0°	1°	in.	in.	95	95	W	1	Calm	0	ins.	[sharp, ✕ ⁰ ga. and before. Bright, clear, and (✓) Very rough, bitter wind. ✓ ² all day. Dull and mild. Dull day. [] ∞ [] Bright and sharp. [] Dull, cold, and raw. [] Overcast and cold. [] Bitter wind. [] Bright and clear, but with cold (mist) a. [] Dull, with ∞. [] Bright, but with cold wind. [] Bright day. [] Mild. [] Cloudy and cool. [] Dull and mild. [] Squally. [] Fresh, with squally. [] Bright and fresh. [] Fine and bright. [] Fine and bright. [] Fine day.	
2	29°22	29°48	33°	33°	29°	47°	0°	1°	182	170	75	87	W	1	Calm	0	10		
3	26	17	34°	42°	28°	45°	2°	1°	154	233	75	88	SE	3	W	3	8		
4	17	38	49°	50°	41°	53°	3°	2°	269	297	76	81	SW	8	SW	4	10		
5	63	65	47°	47°	43°	52°	1°	2°	289	265	87	80	SW	2	SW	5	10		
6	29°69	29°93	48°	32°	32°	52°	2°	1°	279	166	82	89	W	2	W	1	10		
7	30°08	30°08	32°	31°	25°	42°	1°	0°	66	161	166	88	Calm	0	E	1	0		
8	10	14	34°	31°	29°	42°	2°	1°	159	157	80	87	SE	1	E	2	10		
9	10	13	32°	28°	26°	39°	1°	0°	154	148	85	93	SE	3	E	1	3		
10	30°11	30°03	26°	21°	20°	29°	0°	0°	133	117	92	100	SSE	1	SE	1	0		
11	29°08	29°91	27°	27°	20°	35°	0°	8°	126	122	84	80	E	2	NE	2	0		
12	90	90	30°	29°	26°	37°	2°	1°	137	134	81	81	E	2	NE	2	10		
13	95	98	33°	34°	29°	39°	2°	2°	144	165	76	80	ENE	3	ENE	1	5		
14	97	88	30°	34°	24°	38°	1°	2°	137	150	82	75	NE	1	NE	3	0		
15	67	70	34°	34°	30°	39°	0°	1°	200	149	99	73	Calm	0	SSE	1	10		
16	80	85	33°	34°	30°	35°	1°	8°	156	183	81	91	E	1	Calm	0	10		
17	88	85	28°	26°	25°	38°	1°	5°	4	138	73	92	SE	2	NE	1	9		
18	79	58	32°	40°	25°	46°	1°	0°	156	236	86	93	W	2	SW	1	2		
19	40	53	45°	47°	39°	50°	0°	7°	289	248	95	94	W	2	SE	3	10		
20	69	68	37°	38°	30°	44°	1°	1°	188	218	88	90	W	2	Calm	0	9		
21	55	37	41°	48°	43°	37°	45°	0°	2°	173	214	250	81	89	SW	2	W		1
22	48	51	39°	23°	33°	30°	46°	1°	0°	202	174	84	92	W	2	W	1		9
23	45	39	45°	40°	32°	53°	1°	2°	256	273	86	85	SW	1	SW	4	10		
24	42	41	47°	46°	45°	51°	1°	3°	247	279	75	88	SW	3	SW	4	10		
25	34	22	48°	48°	45°	51°	2°	6°	15	279	307	82	80	SW	3	SW	4		10
26	45	81	43°	39°	33°	49°	3°	1°	217	165	76	84	NW	2	SE	1	5		
27	85	89	40°	38°	28°	50°	4°	2°	178	188	69	77	SE	2	E	2	1		
28	99	95	38°	38°	27°	55°	1°	5°	34	205	172	88	74	E	3	E	3		0
29	94	29°91	34°	32°	29°	53°	2°	1°	165	154	80	84	E	2	E	1	5	0	
Mean	29°708	29°724	37°6	36°8	31°0	45°3	1°8	1°5	193	193	83°1	86°0	2°1		1°9	7°3	5°6	0°509	

CARMARTHEN.—FEBRUARY 1887.

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

1	29°56	29°57	39°8	32°9	32°0	47°4	1°3	0°9	*168	90	90	NW	4	Calms	0	4	10	—	Fine day. ☉ 9p.
2	°58	°60	42°3	43°6	31°7	48°4	1°6	0°7	*236	88	94	SW	2	SW	2	10	0	*340	☉ till 3p.
3	29°56	29°56	47°8	48°8	43°2	49°4	0°9	0°2	*309	340	93	SW	5	SW	7	10	10	*260	Overcast, with ☉ all day. Squally p
4	30°00	30°05	47°8	48°0	46°2	49°8	0°0	0°3	*333	*303	100	91	S	SW	4	10	10	*060	Dull, with ☉.
5	°09	°26	47°4	40°3	40°2	51°6	0°7	0°6	*309	*237	95	06	SW	2	Calms	0	10	0	—
6	°42	°43	37°9	34°9	30°5	47°6	2°3	1°6	*184	*172	81	84	E	2	E	1	0	0	—
7	°44	°45	40°8	31°6	31°1	46°9	2°7	0°8	*201	*158	79	90	E	3	E	1	0	0	—
8	°45	°45	35°7	30°4	29°5	44°9	3°1	1°5	*153	*131	73	78	E	1	E	1	0	0	—
9	°44	°37	32°7	27°1	25°5	41°0	2°2	0°7	*140	*124	75	85	Calms	0	Calms	0	0	0	—
10	°31	°24	32°4	30°7	24°5	39°5	1°3	1°1	*154	*143	84	84	E	3	E	3	0	0	—
11	°24	°17	35°6	36°9	28°3	41°5	3°2	3°9	*151	*149	71	69	NE	5	NE	5	9	1	—
12	°30	°27	36°3	37°1	35°0	41°4	2°1	5°1	*174	*134	82	61	NE	1	NE	4	10	0	—
13	°28	°19	37°9	34°7	32°1	43°8	4°1	3°1	*155	*145	68	71	E	2	E	5	0	0	—
14	°13	°05	37°9	35°9	33°4	42°2	1°7	1°6	*195	*180	86	86	N	1	Calms	0	10	10	—
15	°15	°19	36°6	36°4	31°9	38°7	2°4	1°8	*172	*180	80	84	E	1	E	1	0	4	—
16	°25	30°23	36°3	27°9	24°7	42°3	3°1	0°4	*157	*140	74	92	Calms	0	Calms	0	0	0	—
17	30°19	29°03	31°9	42°7	24°7	43°0	1°1	0°4	*155	*265	86	96	E	1	SE	1	10	10	—
18	29°50	29°02	45°8	43°4	42°0	50°1	0°7	1°5	*292	*248	95	88	NW	1	N	4	7	7	*180
19	30°10	30°07	37°6	42°4	34°4	46°3	0°6	2°3	*214	*222	95	83	Calms	0	Calms	0	10	10	*030
20	29°04	29°56	42°8	42°9	40°1	44°3	2°5	0°2	*222	*272	81	99	SW	1	SW	1	10	10	—
21	°89	°91	47°2	36°4	34°8	51°6	2°5	0°5	*266	*205	83	95	NW	1	NW	1	2	3	*070
22	°86	°79	44°9	46°0	34°7	47°4	1°2	0°1	*270	*308	91	99	SW	1	SW	5	10	10	—
23	°86	°78	47°2	45°3	45°0	48°8	2°1	0°1	*275	*301	86	99	SW	3	SW	6	10	10	*050
24	°73	29°59	46°6	47°8	44°8	50°9	0°3	0°3	*311	*325	98	98	SW	4	SW	6	10	10	*240
25	29°04	30°17	49°2	36°9	36°4	51°2	5°0	1°4	*236	*192	67	88	NW	1	Calms	0	3	0	—
26	30°21	°24	47°0	40°9	32°7	52°4	4°5	3°0	*224	*196	70	77	E	1	E	1	0	0	—
27	°34	°30	40°7	40°1	37°2	55°9	5°5	3°5	*232	*182	65	73	SE	2	Calms	0	0	0	—
28	30°31	30°27	44°8	36°2	34°4	53°0	3°7	0°8	*218	*196	74	93	Calms	0	Calms	0	0	0	—
Mean	30°08	30°08	41°4	38°5	34°3	46°8	2°2	1°4	*220	*210	82°5	87°2	1°8	2°1	5°5	4°1	1°500		Fine all day.

MARGATE.—FEBRUARY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	48°	39°	39°	40°	1°	2°	1305	1199	92	84	SSW	4	W	2	10	1	ins.	0°90	☔ 2.
2	29°75	29°95	48°	39°	39°	40°	1°	2°	1305	1199	92	84	SSW	4	W	2	10	1	0°90	☔	
3	29°03	29°71	34°5	46°8	31°0	47°1	1°4	1°2	1172	202	86	91	SW	2	SW	3	7	7	0°90	☔	
4	29°05	30°04	47°5	49°9	41°1	51°2	0°6	2°2	1313	304	86	85	SW	5	SW	4	10	0	—	☔	☔. Fine day.
5	30°28	37	48°7	46°0	44°8	52°8	0°9	0°9	1321	289	94	94	SW	4	SW	2	10	9	—	☔	☔
6	33	43	43°1	45°2	41°1	53°8	0°4	0°4	269	293	97	97	S	1	SW	1	0	10	—	☔	☔. Beautiful day. ☔ 9p.
7	55	64	39°0	39°8	38°0	47°0	1°8	1°7	202	211	86	87	N	2	N	1	0	4	—	☔	☔. Very fine. ☔
8	64	64	40°0	35°8	35°0	42°3	2°9	3°5	190	147	77	69	E	1	ESE	3	0	0	—	☔	☔. Very fine.
9	64	63	35°2	34°2	32°0	36°8	3°9	2°4	136	151	66	76	E	3	E	3	0	8	—	☔	☔. Very fine.
10	59	49	33°0	33°8	32°0	34°8	2°6	3°1	136	136	72	69	E	2	E	3	10	9	—	☔	☔. Very cold.
11	39	29	28°8	32°6	27°0	34°5	1°6	0°6	115	172	73	93	E	3	E	3	4	10	—	☔	☔. ☔.
12	22	33	35°2	33°5	31°2	35°6	2°1	0°4	165	183	80	96	E	3	NE	2	10	7	—	☔	☔. ☔.
13	33	31	38°7	36°8	33°0	40°8	2°6	2°3	186	175	80	81	E	2	E	3	10	0	—	☔	☔. Dull, with ☔.
14	31	23	37°0	38°7	35°7	39°8	2°2	2°9	179	181	81	78	E	4	E	4	4	10	—	☔	☔. Dull, with ☔.
15	11	15	37°5	36°0	34°6	39°5	2°6	0°8	176	196	78	93	NE	3	E	2	10	0	—	☔	☔. Fine, but cold.
16	24	30	36°7	36°5	35°0	40°0	1°8	3°4	184	154	84	72	E	2	E	3	7	0	—	☔	☔. Fine and sunny.
17	35	34	34°8	34°0	30°3	37°0	2°4	3°5	157	124	77	63	Calm	0	NE	2	0	0	—	☔	☔. Very fine.
18	30°32	30°19	35°5	26°8	24°7	40°8	3°0	1°5	152	099	73	69	E	1	E	1	0	0	—	☔	☔. Fine all day.
19	29°95	29°88	38°9	40°0	24°4	40°0	2°6	0°2	187	242	80	98	S	3	SW	1	0	10	—	☔	☔. Dull day. ☔ 9p.
20	30°06	30°13	40°0	39°9	38°4	42°0	1°3	1°7	220	212	90	87	N	3	N	1	10	2	—	☔	☔. Fine and mild.
21	30°06	29°96	39°0	39°0	37°6	41°0	1°2	1°2	214	214	90	90	N	1	N	2	9	10	—	☔	☔. ☔. a. Dull day. ☔ 9p.
22	29°92	30°03	39°9	36°7	36°1	45°5	0°1	0°9	244	199	99	92	SSW	2	SW	1	10	10	—	☔	☔. ☔.
23	30°06	30°03	38°2	41°3	32°8	49°0	1°8	0°7	195	244	85	95	SSW	2	SW	4	0	0	—	☔	☔. Fine all day.
24	07	30°14	46°8	45°3	40°4	49°4	1°8	2°8	277	240	87	80	SSW	3	SW	3	10	10	—	☔	☔. Dull day.
25	30°07	29°98	45°0	46°2	42°1	47°8	3°0	2°2	233	262	78	85	SW	4	W	3	10	10	—	☔	☔. ☔. a. Fine day.
26	29°95	30°29	48°3	40°9	40°3	51°2	3°8	2°9	250	199	74	78	SW	3	SW	2	10	0	—	☔	☔. Dull a. Clear p.
27	30°45	52	37°0	38°7	30°8	51°0	1°0	0°7	200	221	91	94	W	1	SE	2	0	0	—	☔	☔. ☔. Fine day. ☔ 9p.
28	60	52	40°0	37°9	35°1	43°5	1°9	1°1	208	206	85	90	S	1	S	1	1	0	—	☔	☔. ☔. Very fine.
29	30°49	30°46	40°5	37°9	33°2	46°0	2°3	0°6	205	215	82	95	SE	1	ESE	1	0	0	—	☔	☔. ☔. Fine and warm. ☔ 9p.
Mean	30°239	30°249	39°5	38°9	34°9	43°9	2°0	1°7	207	206	83°3	85°0	2°3	2°2	5°4	4°5	0°470				

ARMAGH.—FEBRUARY 1887.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar, 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $6^{\circ} 39' W.$ Lat. $54^{\circ} 21' N.$

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
2	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
3	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
4	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
5	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
6	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
7	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
8	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
9	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
10	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
11	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
12	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
13	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
14	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
15	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
16	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
17	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
18	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
19	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
20	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
21	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
22	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
23	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
24	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
25	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
26	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
27	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
28	29.59	29.70	34.3	36.4	32.0	43.4	1.3	1.7	172	184	86	85	SW	2	S	2	7	8	ins.	early a.
Mean	29.690	29.688	40.5	40.1	34.9	47.3	1.7	1.6	222	220	85.1	87.5	2.4	2.3	7.1	7.0	1.380			

MARKREE CASTLE (SLIGO).—FEBRUARY 1887.

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

1	29°69	29°73	36°3	36°0	33°0	44°5	2°0	1°1	1°77	1°91	83	90	W	2	SE	3	4	3	°080	—	▲°.
2	19	30	44°0	41°0	33°6	46°1	0°7	1°5	2°72	2°25	94	88	S	4	SSW	3	10	10	°850	—	●° in past 24.
3	18	54	45°4	43°0	40°2	49°9	1°0	2°9	2°81	2°09	93	79	SW	3	SW	4	10	3	°020	—	showers.
4	29°85	29°72	42°9	50°0	38°1	50°0	1°4	1°0	2°46	3°34	89	93	SW	2	SW	6	7	10	°770	—	
5	30°07	30°38	42°2	31°4	30°9	50°0	1°5	0°2	2°37	1°73	89	97	WSW	2	SSE	0°5	7	2	°020	—	
6	40	28	33°8	43°1	26°3	43°3	1°6	0°8	1°62	2°61	83	93	SE	1	SE	5	1	10	—	—	
7	30	38	46°3	42°1	41°3	46°8	1°1	1°5	2°88	2°36	92	88	SSE	4	SSE	3	10	9	°030	—	Overcast all day.
8	42	43	34°1	34°8	33°0	42°1	0°9	1°2	1°79	1°78	90	89	SSE	3	SE	3	7	4	—	—	8
9	42	41	32°9	34°1	30°4	42°9	0°8	0°6	1°71	1°85	91	94	SSE	5	SSE	2	8	4	—	—	8
10	43	42	31°9	27°0	26°1	36°6	0°2	0°0	1°77	1°47	98	100	SE	0°5	Calm	0	10	9	—	—	8
11	45	42	30°6	34°0	24°2	43°5	0°4	0°7	1°60	1°82	94	92	Calm	0	Calm	0	10	7	—	—	8
12	47	52	35°7	32°2	28°2	44°9	2°2	0°7	1°69	1°67	81	91	E	1	Calm	0	3	7	—	—	9
13	53	42	32°5	33°8	26°2	43°5	1°2	0°6	1°59	1°82	86	93	Calm	0	E	0°5	10	8	—	—	°010
14	19	09	40°1	38°4	33°1	42°0	0°4	0°8	2°40	2°16	97	93	NNW	0°5	SE	0°5	10	10	°040	—	°0
15	24	22	33°3	34°7	30°2	43°5	0°1	1°2	1°88	1°78	99	89	SSE	1	S	2	6	10	—	—	°010
16	15	30°17	33°6	40°9	30°7	40°9	1°0	0°6	1°72	2°43	89	95	SSE	2	SE	2	10	10	°350	—	Overcast all day.
17	30°06	29°26	45°8	46°8	40°1	52°0	0°2	0°7	3°03	3°03	98	95	SSE	1	SW	2	10	8	°040	—	°040
18	29°06	30°15	45°2	41°7	41°0	47°5	1°9	0°9	2°58	2°46	86	93	NNW	3	N	0°5	9	9	°010	—	°010
19	30°18	30°01	43°6	43°7	40°5	49°0	0°4	1°2	2°74	2°58	97	90	Calm	0	SE	1	9	10	°070	—	°070
20	29°78	29°83	44°9	37°3	36°8	46°7	0°5	0°9	2°85	2°05	96	93	SW	0°5	SSE	1	10	8	°060	—	°060
21	88	76	40°9	44°7	34°4	49°3	0°6	0°9	2°43	2°75	95	93	SW	1	SSW	3	10	10	°010	—	°010
22	55	50	49°5	49°2	44°0	50°3	3°2	1°1	2°77	3°22	78	93	SSW	4	SSW	2	10	10	°180	—	°180
23	52	41	50°1	49°2	47°1	51°9	2°8	1°0	2°92	3°24	81	93	SSW	6	SSW	6	10	10	°360	—	°360
24	31	29°48	50°1	43°8	42°3	50°7	0°8	1°2	3°41	2°59	94	91	S	6	SE	0°5	10	8	°210	—	°210
25	95	30°03	42°2	40°1	36°8	49°9	3°5	2°7	2°00	1°95	75	78	SW	2	SSE	3	4	10	—	—	
26	29°93	°03	46°1	47°6	36°5	54°2	2°9	2°2	2°47	2°77	79	85	SSE	4	SSW	6	4	10	—	—	
27	30°18	18	46°5	42°3	41°5	52°6	3°0	2°9	2°49	2°11	80	79	SSE	2	SE	2	8	8	—	—	
28	30°20	30°23	42°2	41°2	35°2	52°7	1°9	0°9	2°29	2°40	86	93	SSE	3	SSE	1	5	5	—	—	
Mean	30°017	30°032	40°8	40°1	35°1	47°1	1°4	1°1	2°31	2°29	89°0	90°7	2°2	2°2	7°9	7°8	3°110				

DUBLIN (PHENIX PARK).—FEBRUARY 1887.

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

Day.	Barometer at 32° 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.			
1	ins.	ins.	34.9	37.9	32.7	43.0	1.0	2.4	183	183	91	80	SW 2	SSW 2	1	3	ins.	Beautiful day. ☵ ☵
2	38	41	43.5	42.7	34.1	50.7	1.7	2.3	246	226	86	83	SSE 3	SW 4	10	1	0.80	Squally ☵ showers.
3	30	63	52.1	45.5	41.9	54.5	2.9	3.9	314	221	80	73	SSW 7	WSW 5	9	3	160	Squally ☵ showers.
4	29.92	29.89	46.5	50.5	41.0	51.6	2.6	3.1	257	290	82	79	SSW 3	SSW 4	4	8	140	Cloudy a. Dull p. ☵ 2p.—5p.
5	30.07	30.38	44.2	30.2	29.3	50.5	0.6	0.7	277	150	96	89	SW 2	Calm 0	10	0	020	☵ 5a.—10a. Dull morning.
6	44	38	34.8	43.5	24.1	46.8	2.2	2.6	159	227	79	79	E 2	ESE 2	2	5	005	Beautiful day. ☵
7	40	46	45.8	35.4	32.0	48.7	2.2	0.4	259	200	84	96	Calm 0	SE 1	8	1	005	Dull and cloudy. ☵ p.
8	46	47	36.8	35.1	28.8	42.9	2.5	2.5	172	156	79	76	SE 2	SE 1	1	0	—	Beautiful day. ☵
9	48	44	29.2	25.4	24.6	43.5	1.1	0.2	130	130	81	95	Calm 0	Calm 0	2	0	—	Beautiful day. ☵ p.
10	41	38	33.0	34.0	19.6	37.3	1.2	1.8	163	160	86	81	NNE 1	NE 1	8	7	—	Dull and cloudy. ☵
11	39	36	32.0	36.1	27.8	42.4	0.6	1.9	167	178	82	83	NNE 1	NE 1	2	2	—	Beautiful day. ☵
12	41	46	38.2	35.5	31.9	42.5	2.9	1.4	176	181	76	87	E 2	NNE 2	2	4	—	Beautiful day. ☵
13	45	37	40.1	40.4	31.6	42.9	3.2	2.6	186	190	74	80	ENE 2	ENE 2	3	10	015	Fine a. Cloudy p.
14	45	39	39.3	36.4	34.0	44.6	0.5	0.5	231	206	96	96	NNE 1	Calm 0	10	10	—	Dull and cloudy.
15	23	25	37.4	34.9	26.3	40.7	1.2	1.9	200	165	90	81	ENE 1	Calm 0	9	2	—	Dull and cloudy.
16	25	30.23	33.3	39.5	33.0	43.1	1.6	0.7	158	228	83	94	Calm 0	Calm 0	9	10	080	Dull and cloudy. Overcast, with ☵ a. ☵ p.
17	30.12	29.92	42.4	49.2	39.5	52.2	0.3	1.4	264	315	98	91	Calm 0	SW 2	10	7	040	Dull, with ☵ a. ☵ p.
18	29.88	30.09	45.5	39.8	38.7	49.2	1.7	1.7	266	211	88	87	NW 3	NW 1	9	1	—	Cloudy a. Bright p.
19	30.17	30.08	42.5	43.6	34.7	46.4	1.7	2.0	236	241	87	85	WNW 1	SSW 1	9	10	—	Dull and cloudy.
20	29.83	29.84	44.5	35.9	35.0	47.6	2.2	0.9	244	194	83	92	SW 3	WSW 1	9	0	010	☵
21	89	85	40.6	43.7	34.0	46.5	1.4	2.4	223	233	89	81	WSW 2	SW 3	4	4	005	Squally ☵ ☵.
22	70	59	50.2	40.1	40.3	54.8	3.3	2.3	282	303	78	84	SSW 4	SW 5	9	4	010	Dull a. Bright p. Squally all day.
23	64	60	50.5	49.6	48.4	54.8	3.8	3.0	275	282	75	80	SW 5	SW 5	9	4	—	Dull, with squally ☵ ☵. ☵ 11.15p.
24	50	29.52	51.8	47.8	46.7	53.2	3.1	2.1	307	281	79	85	SSW 5	SSW 3	8	4	110	Beautiful day. ☵
25	29.94	30.13	40.6	36.2	35.7	48.9	2.8	2.2	198	173	78	81	WNW 3	Calm 0	0	1	—	Beautiful day.
26	30.06	30.16	49.7	47.2	31.3	54.7	7.6	5.0	106	216	55	67	SSW 4	SW 3	6	1	—	Cloudy a. Bright p.
27	24	25	50.1	47.6	40.5	50.6	5.9	8.3	229	167	63	51	ENE 2	Calm 0	2	1	—	Beautiful day. ☵
28	30.25	30.26	41.3	42.0	25.0	56.8	2.5	1.8	200	229	81	86	Calm 0	SSW 3	1	0	—	Beautiful day.
Mean	30.058	30.082	41.8	40.6	33.3	48.2	2.3	2.2	222	212	82.5	82.9	2.2	1.9	5.9	3.7	0.720	


PARSONSTOWN (BIRR CASTLE).—FEBRUARY 1887.


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

1	29°72	29°77	34°8	36°1	32°0	44°0	1°6	1°2	170	190	84	89	Calm	0	Calm	0	0	0	029
2	27	39	45°1	43°5	33°2	51°0	0°7	1°8	284	244	94	86	SSE	1	SW	3	10	8	276
3	27	63	52°8	44°2	41°8	53°1	1°9	3°8	348	211	86	72	SW	5	W	3	10	0	059
4	29°83	29°83	45°3	50°4	38°0	51°7	1°9	2°7	259	298	86	82	S	1	S	3	6	10	210
5	30°07	30°35	43°7	32°8	32°1	50°6	1°3	0°9	256	168	89	90	SSW	1	Calm	0	9	0	—
6	38	29	37°4	45°7	26°2	46°0	2°4	1°6	178	270	80	89	ESE	1	S	4	0	10	012
7	34	38	45°8	40°4	40°0	49°9	1°6	1°5	271	220	88	88	SE	1	SSE	3	10	1	—
8	41	41	36°8	36°1	34°6	41°0	2°2	1°7	177	181	81	85	SE	2	SE	2	7	0	—
9	42	40	36°8	33°4	32°0	47°4	2°1	0°9	179	173	82	91	SE	1	Calm	0	3	0	—
10	40	37	26°0	26°6	23°4	39°9	0°6	0°7	121	146	86	88	Calm	0	Calm	0	0	10	—
11	39	36	27°8	32°8	24°5	39°1	0°8	0°7	127	172	84	92	Calm	0	Calm	0	2	10	—
12	41	44	29°9	32°6	26°9	42°7	0°9	1°3	142	158	85	85	Calm	0	ENE	1	0	0	—
13	44	30	34°9	33°3	26°5	41°6	1°1	1°1	181	162	89	88	Calm	0	Calm	0	10	9	020
14	16	06	35°8	37°6	32°0	42°0	0°6	0°7	199	211	95	94	Calm	0	Calm	0	10	10	013
15	21	22	28°8	32°7	27°0	44°5	0°5	1°3	144	159	91	85	Calm	0	SE	1	0	0	—
16	21	30°18	31°3	39°7	25°3	42°1	1°4	1°0	143	224	81	92	Calm	0	S	1	9	10	168
17	30°10	29°91	44°4	48°8	38°5	52°4	0°6	0°9	278	322	95	93	Calm	0	W	1	10	10	060
18	29°95	30°12	44°8	41°9	40°2	48°9	1°6	1°7	260	230	88	87	NW	2	NW	1	10	10	—
19	30°17	30°06	41°8	44°1	39°2	45°9	1°0	2°1	243	243	92	83	Calm	0	S	1	8	10	007
20	29°81	29°85	45°2	38°0	36°1	47°6	1°2	1°1	273	205	91	90	S	1	Calm	0	10	10	024
21	90	82	39°7	42°8	34°3	48°1	1°0	1°6	224	240	92	88	SSW	1	S	1	7	10	—
22	66	58	50°0	50°2	41°4	55°3	2°9	1°4	288	327	81	91	SW	3	SSW	3	10	10	118
23	61	53	50°4	49°4	48°5	54°7	3°6	2°2	278	298	77	85	SSW	3	WSW	4	8	9	020
24	42	29°52	51°0	45°2	44°8	51°9	2°0	1°3	323	271	86	90	S	3	SSW	2	10	9	238
25	97	30°05	39°6	38°9	35°1	50°1	2°3	2°9	198	181	81	78	Calm	0	S	2	0	9	—
26	29°96	30°07	47°6	47°5	37°0	53°6	3°0	1°9	259	283	79	87	SE	4	SSE	4	9	0	—
27	30°19	30°24	47°8	41°4	40°6	55°5	3°1	1°5	359	229	78	88	S	3	SSE	3	3	9	—
28	30°20	30°24	43°8	40°0	36°9	56°1	2°1	1°2	240	222	84	90	SSE	2	Calm	0	1	4	—
Mean	30°033	30°049	40°7	40°3	34°6	48°1	1°6	1°5	225	223	85°9	87°4	1°3	1°5	6°1	6°4	1°254		

☉ showers all day.

Squally ga.



Squally  from 8.30p.

Squally, with  (mist) gp.

Gloomy ga. Squally p.

☾ ga.


☁ all day.

 (mist) before ga.  gp.

☁ ga. and gp.


☉ from 4p.


8a.

Squally  1p.

☉ from 2p.

Squally a. and p.

Squally a.  (mist) gp.

 (mist) gp.

Squally all day.

Squally all day.

SWANBISTER.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	44.0	44.1	42.6	47.5	2.6	3.3	in.	in.	80	70	W 5	WSW 4	9	8	ins.
2	25	19	45.0	47.2	42.6	47.2	2.0	1.2	253	295	85	92	W 5	WSW 5	9	9	—
3	16	21	47.5	47.0	45.0	49.0	0.5	2.0	316	275	97	86	WSW 6	WSW 5	10	9	—
4	22	22	47.0	45.0	44.0	50.8	3.0	2.1	235	251	74	84	WSW 5	SW 4	4	9	—
5	16	09	47.0	40.0	38.5	48.3	3.5	1.8	243	211	76	86	SW 2	WSW 2	3	7	—
6	08	17	45.0	44.3	38.8	47.6	2.7	0.7	239	275	80	95	WSW 2	W 2	7	10	0.10
7	29	30.20	44.5	42.5	38.0	47.5	1.5	1.1	259	248	89	91	NW 0.5	SSE 2	1	1	—
8	30.08	29.94	42.3	42.2	34.4	46.2	2.3	2.0	222	227	83	85	SW 1	WNW 2	10	10	—
9	29.92	30.08	39.0	31.0	30.3	42.2	1.8	2.0	203	127	86	72	NNE 5	NNW 3	10	7	—
10	30.08	30.06	31.6	27.9	26.9	32.0	3.6	2.4	103	89	58	59	N 3	Calm 0	7	10	0.10
11	29.99	29.99	33.3	28.0	26.4	35.3	1.3	1.5	164	110	86	72	N 4	N 3	6	3	0.30 ✕ showers before 9a. U
12	30.09	30.13	31.8	28.4	26.5	34.6	1.2	1.4	152	116	84	75	NNE 5	NNW 3	7	10	0.70 ✕ showers.
13	30.05	29.91	33.0	32.8	26.6	35.5	1.7	2.8	153	131	81	70	NNW 4	NNW 3	7	8	1.00 ✕ showers.
14	29.81	29	32.4	28.4	27.3	36.6	2.0	1.5	142	114	77	73	NNW 4	NNW 4	4	3	0.60 ✕ showers before 9a. ✕ showers.
15	82	91	34.8	29.7	26.2	38.3	2.8	0.5	150	151	73	91	N 4	N 1	7	3	0.30 ✕ showers.
16	90	29.97	36.5	36.7	27.2	39.8	1.7	1.5	184	189	85	87	SW 2	SSW 3	3	10	0.30 ✕ showers.
17	29.97	30.02	40.0	38.8	35.6	44.8	1.0	0.8	226	220	92	94	SSW 3	W 1	10	3	1.00
18	30.04	30	44.5	39.1	35.9	46.3	1.8	0.9	253	221	87	53	WSW 3	W 2	3	1	0.10 ✕ showers.
19	11	30.17	46.0	39.9	33.8	48.3	3.0	1.3	244	219	79	90	SW 2	Calm 0	4	8	—
20	30.13	29.94	43.9	39.0	32.7	46.0	3.1	1.0	221	218	77	92	S 3	SE 4	2	5	0.30
21	29.77	48	40.7	38.2	35.6	41.2	4.6	2.2	168	188	67	82	SSE 3	ESE 3	5	10	0.30 Δ showers.
22	29.19	29.03	38.2	38.0	34.1	39.5	3.2	1.0	171	208	74	91	SE 5	S 5	10	10	0.70
23	28.94	28.90	42.9	40.1	35.9	43.6	2.1	0.9	231	229	84	93	S 3	SE 3	8	1	0.60
24	28.91	29.03	42.4	37.6	36.6	47.2	2.4	1.0	221	205	82	91	SSW 3	SW 1	—	1	0.10
25	29.28	60	45.3	42.3	32.0	47.0	2.9	1.7	239	234	79	87	NW 3	NW 2	—	—	0.30
26	80	66	43.6	42.2	38.0	46.0	3.6	2.2	209	223	74	84	NW 2	SE 5	—	—	1.30
27	21	30	45.0	44.0	40.0	46.0	2.2	4.0	249	205	84	71	W 7	WSW 8	—	—	3.20
28	29.82	29.94	46.5	43.5	40.0	49.0	4.1	0.9	228	263	72	93	NW 4	WNW 4	—	—	0.30
29	30.03	30.12	46.0	44.0	42.0	47.0	2.0	2.2	265	240	86	83	W 3	W 0.5	—	—	—
30	30.05	29.99	45.0	42.8	42.0	49.0	3.4	1.0	225	253	76	92	SW 1	W 3	—	—	0.60
31	29.40	29.66	43.5	40.0	34.0	46.0	1.0	3.0	261	189	92	76	SW 7	NNW 8	—	—	2.00
Mean	29.860	29.871	41.6	38.9	35.1	44.0	2.4	1.7	215	205	80.6	84.1	3.5	3.1	—	—	1.380

BRAEMAR.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.	Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					
1	ins.	ins.	45.6	38.4	38.3	59.4	0.6	0.3	in.	in.	75	82	SW	2	SW	1	7	5	—	Fair and clear.
2	18	19	43.9	47.5	36.6	52.5	4.0	3.0	228	188	71	80	SW	2	SW	2	5	7	—	Very fine.
3	15	16	45.8	41.4	41.3	51.5	2.3	2.6	204	259	84	81	SW	2	SW	2	6	0	—	Fair and clear.
4	17	13	30.7	31.9	27.4	47.2	0.8	1.2	257	208	84	81	SW	2	SW	2	6	0	—	Fair and clear.
5	29.11	01	23.0	31.4	21.6	49.5	0.3	1.5	151	153	88	84	SW	0.5	NW	0.5	0	0	—	Fair and clear.
6	28.97	05	25.7	32.7	23.4	52.7	0.7	0.8	113	142	92	80	NW	0.5	NE	0.5	7	0	—	Clear and frosty.
7	29.13	29.10	34.7	39.3	31.1	48.0	1.2	2.5	115	170	83	91	NW	2	SW	0.5	9	3	—	Dull and frosty.
8	28.98	28.82	34.7	36.1	33.7	44.4	1.2	1.5	178	192	88	81	SW	0.5	SW	0.5	7	8	—	Dull day.
9	28.98	01	37.3	31.7	31.5	44.5	1.7	1.8	178	185	88	86	SW	0.5	SW	0.5	5	8	—	☼ (mist) ga.
10	28.98	06	27.7	26.3	26.3	40.5	0.2	0.6	190	138	86	77	N	0.5	NE	1	8	9	0.020	Fair a. ☼ p.
11	28.98	28.80	25.4	24.7	24.6	34.9	0.5	0.2	146	124	96	87	NE	0.5	NE	0.5	10	10	0.630	☼ all day.
12	28.98	29.00	24.5	26.2	22.1	33.7	0.8	0.5	121	127	88	95	NE	2	NE	2	10	4	0.060	Snow 2 feet deep.
13	28.98	28.82	23.2	28.7	23.2	30.7	1.2	0.5	106	126	80	89	NE	0.5	N	1	4	7	0.020	☼ showers.
14	28.98	28.82	27.2	26.0	22.0	34.4	0.5	0.2	084	143	68	91	NW	1	W	0.5	8	8	—	☼ showers.
15	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	133	131	90	93	NW	0.5	N	2	4	10	0.140	☼ p.
16	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	100	147	70	96	N	2	N	1	6	9	0.100	☼ p.
17	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	100	147	70	96	N	0.5	N	0.5	0	10	—	Fair and clear a. Dull p.
18	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	128	186	90	92	N	0.5	W	0.5	7	7	0.020	Fair and clear a. Dull p.
19	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	142	182	87	90	NW	0.5	NW	0.5	7	8	—	Fair and clear a. Dull p.
20	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	092	158	68	100	NW	0.5	NW	0.5	0	0	—	Fair and clear.
21	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	129	152	83	83	NW	0.5	NW	0.5	8	4	—	☼ showers.
22	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	099	142	78	87	NW	1	NW	0.5	8	0	—	☼ showers.
23	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	172	178	100	95	SE	1	SE	0.5	10	2	0.040	☼ showers.
24	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	194	182	90	84	SW	0.5	SW	2	10	8	0.020	Dull and damp.
25	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	153	159	76	82	SW	4	SW	0.5	6	0	—	Fine day.
26	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	164	169	76	73	SW	0.5	NW	3	7	8	0.030	Fair a. ☼ p.
27	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	171	205	69	91	NW	1	SW	0.5	7	10	0.110	Fine day.
28	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	203	169	77	73	SW	4	SW	6	5	3	0.020	Fine day.
29	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	212	257	74	90	SW	8	NW	2	3	6	0.010	Fine day.
30	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	215	205	86	76	NW	0.5	SW	0.5	3	7	—	Fine day.
31	28.98	28.82	26.7	27.9	24.6	31.9	1.5	0.3	193	219	84	77	SW	0.5	SW	0.5	5	7	0.030	Fine day. ☼
Mean	28.976	28.789	32.6	34.2	28.0	43.1	1.6	1.5	156	171	82.0	85.6	1.4	1.4	6.1	5.7	1.320	0.070	☼ (gale) all day.	

LAUDALE.—MARCH 1887.

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

1	30°36	30°43	47°8	41°2	40°9	50°0	2°8	0°3	*265	*253	80	97	NW 1	Calm 0	8	1	*020	☼ (mist) ga. Fine all day.
2	*46	*44	*44.2	*48°9	40°7	51°3	0°3	2°0	*283	*297	97	86	Calm 0	WSW 3	10	8	*080	☼ (mist) a. Fine spring day.
3	*43	*42	48°0	47°4	40°4	49°0	1°7	1°1	*292	*300	88	92	W 2	SW 1	10	10	—	☼ (gale) n. ☼ ☼ (mist) a.
4	*41	*35	40°0	42°9	40°9	47°4	3°1	2°0	*242	*233	78	84	W 2	NW 1	10	10	—	Calm and cloudy all day.
5	*28	*20	33°3	35°1	30°7	47°9	0°6	1°1	*178	*183	94	89	Calm 0	NW 1	1	1	—	☼ a. Clear. ☼ 9p.
6	*19	*24	34°6	37°4	30°6	49°8	0°6	1°2	*189	*200	94	90	Calm 0	Calm 0	7	1	—	☼ a. Fine all day.
7	*30	*25	41°0	43°9	33°0	54°8	2°0	2°9	*215	*225	84	78	Calm 0	Calm 0	0	0	—	☼ a. Fine all day.
8	*20	*06	40°0	39°0	37°5	44°3	2°7	1°7	*194	*205	78	86	ESE 2	Calm 0	10	10	—	☼ a. Fine all day.
9	*02	30°08	39°8	41°0	37°6	48°8	1°5	3°0	*215	*197	88	77	Calm 0	NE 2	10	9	*080	☼ 3a.
10	30°06	29°94	33°0	33°0	31°7	41°0	1°0	0°2	*167	*184	89	98	E 4	E 5	10	10	*130	☼ 2 all day (4 ins. deep at 9p.).
11	29°96	30°05	31°0	27°2	26°6	33°8	1°2	0°2	*144	*142	82	96	E 5	E 2	10	2	—	☼ till 4a.
12	30°17	*23	21°4	27°8	17°0	39°3	0°2	0°6	*108	*133	94	88	Calm 0	Calm 0	0	1	—	Snow 4 to 5 ins. deep a. Clear all day.
13	30°24	30°10	28°8	35°2	20°3	38°9	0°1	2°0	*156	*167	98	81	NNW 2	NW 2	7	8	*040	☼ showers.
14	29°88	29°92	35°0	31°0	29°7	38°3	2°0	1°0	*164	*148	80	85	E 3	NNW 2	10	4	—	☼ a. and p.
15	29°95	29°97	24°9	26°8	21°9	38°8	0°6	0°6	*116	*126	85	87	Calm 0	Calm 0	1	1	—	☼ a. ☼ 2 10p.
16	30°05	30°13	26°8	34°0	23°4	40°2	0°6	1°0	*126	*176	87	89	Calm 0	NE 1	1	10	*080	☼ showers from 3.30p.
17	*13	*14	35°4	35°9	20°6	38°2	0°4	0°7	*200	*108	97	94	Calm 0	Calm 0	10	2	*150	☼ n. and a. ☼ (mist).
18	*18	*21	30°9	35°0	33°4	48°3	0°7	0°8	*205	*188	94	92	Calm 0	N 1	8	2	*020	☼ a. Day fine.
19	*28	30°23	37°8	34°2	31°0	44°2	0°0	0°5	*226	*188	100	95	Calm 0	Calm 0	10	1	*040	☼ ☼ (sleet) a. Day dull. ☼ 9p.
20	30°16	29°97	39°0	40°0	32°0	43°3	2°3	3°0	*194	*189	82	76	Calm 0	E 1	10	10	*010	Dull day.
21	29°78	*46	37°3	37°0	32°9	41°8	3°3	3°0	*163	*165	73	75	E 1	SE 2	0	9	*010	☼ a. Cloudy day.
22	*14	*01	32°3	40°6	31°9	42°8	0°3	2°4	*178	*205	97	81	SE 5	SE 2	10	4	*120	☼ and ☼ (sleet) from 5a.
23	*01	*02	40°4	43°0	37°5	46°0	1°8	2°6	*214	*223	86	80	S 2	SW 4	8	3	*490	☼ ☼ (sleet) at night.
24	*11	*17	41°9	41°9	38°5	46°0	2°9	2°2	*208	*221	79	84	WSW 5	W 3	9	5	*310	☼ ☼ (sleet) showers.
25	*37	*39	44°7	42°0	39°6	47°7	2°5	1°8	*240	*220	81	86	NW 5	NNW 2	5	9	*060	☼ ☼ (sleet) showers.
26	*05	*07	42°4	47°8	37°7	47°8	1°5	1°8	*239	*288	88	87	Calm 0	SW 2	10	10	*870	☼ a. ☼ ☼ (sleet) showers. ☼ 9p.
27	29°60	29°80	44°0	43°0	40°5	49°2	2°0	2°3	*244	*228	84	82	NW 5	NNW 4	8	4	*150	☼ ☼ (sleet) showers all day.
28	30°04	30°20	48°0	48°0	42°7	50°2	2°0	2°0	*285	*285	86	86	NW 6	NW 2	10	9	*030	☼ ☼ (mist) a.
29	*27	*29	47°5	47°9	40°6	54°2	2°3	1°8	*274	*280	84	87	NW 2	W 1	7	1	*020	
30	30°29	30°17	41°0	49°0	37°0	52°2	1°1	2°6	*233	*285	91	82	W 2	NW 3	5	7	*150	
31	29°92	29°97	44°7	39°0	39°0	49°0	0°9	2°0	*275	*181	93	77	NW 9	NW 6	10	7	*110	☼ a.
Mean	30°006	30°001	38°4	39°2	33°9	45°6	1°5	1°7	*207	*210	87°5	86°0	2°0	1°7	7°3	5°5	2°070	☼ (gale) till 3p.

DUNDEE.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	30.18	30.27	44.5	43.5	40.3	53.8	1.2	1.0	.266	.261	92	92	W	1	W	2	5	7	—	Fine day.
2	28	26	46.7	46.8	41.3	53.1	1.2	1.1	.291	.294	92	92	SW	1	SW	1	5	10	—	Dull day.
3	26	23	46.4	42.4	42.0	53.7	1.7	2.3	.275	.223	88	83	SW	1	W	2	10	7	—	Fine day.
4	25	19	39.1	38.4	34.9	52.0	1.9	1.5	.202	.202	85	87	W	1	W	1	7	7	—	Fine day.
5	14	03	32.5	35.5	27.8	46.9	1.0	0.8	.164	.193	89	93	S	1	NE	1	10	0	—	Fine day.
6	05	11	33.5	36.4	30.4	37.9	0.5	0.1	.182	.213	95	99	W	1	E	1	10	10	—	☁
7	21	30.18	30.6	38.4	34.1	43.8	0.7	0.4	.203	.224	94	97	SW	1	SW	1	10	10	—	Dull day.
8	30.06	29.86	38.5	39.1	33.9	41.4	2.0	3.1	.195	.180	84	76	SW	1	W	1	10	10	—	Dull day.
9	29.81	29.96	39.6	35.0	34.2	46.2	2.2	1.4	.200	.176	82	86	SW	1	NE	4	10	10	0.00	Dull day.
10	99	86	32.3	31.2	29.3	36.5	1.4	0.5	.152	.153	83	93	NE	1	NE	6	10	10	400	* n. and during day.
11	77	29.81	28.6	27.9	26.0	34.9	0.3	1.1	.148	.110	94	79	NE	8	NE	4	10	10	0.10	Stormy, with *.
12	29.94	30.02	28.4	27.5	24.2	40.3	0.8	1.4	.133	.109	86	74	NE	1	NE	1	10	5	—	Fine day.
13	30.00	29.86	29.9	32.0	22.3	37.7	2.8	1.2	.090	.153	60	85	NW	2	NW	1	0	5	—	Fine day.
14	29.70	29.69	35.2	28.7	25.4	39.8	3.3	1.1	.146	.126	70	81	SW	1	SW	1	5	10	—	Fine day.
15	67	76	33.5	32.2	26.7	38.3	3.6	0.6	.125	.169	65	93	NE	2	NE	2	7	0	0.10	* showers. ☼
16	29.90	29.97	36.4	29.2	26.2	46.5	4.6	1.6	.136	.118	63	74	NW	1	SE	1	7	5	—	Fine day.
17	30.00	29.99	35.1	35.5	28.7	37.8	3.5	1.1	.141	.187	68	90	W	1	SW	1	10	10	0.20	Dull, with ● and * (showers, sleet)
18	02	30.06	33.3	36.1	29.4	44.2	1.4	1.6	.162	.183	85	86	SW	1	W	1	10	10	—	Dull day.
19	11	30.10	37.4	34.8	28.5	53.0	2.6	0.4	.176	.194	78	96	SW	1	W	1	0	0	0.40	Fine day. ☼
20	30.01	29.87	39.2	33.8	32.5	45.8	1.4	1.3	.212	.168	88	86	E	1	SE	2	5	10	0.40	● showers n. and till 11.30a.
21	29.66	29.38	33.8	31.8	28.6	41.1	2.1	0.2	.153	.175	79	98	NE	1	NE	1	10	7	0.20	* n. and a.
22	29.11	29.03	33.2	32.3	30.6	35.8	1.4	0.2	.161	.180	85	98	SE	8	W	1	10	10	0.60	● showers till 3p.
23	28.88	28.92	38.1	39.4	30.5	45.5	0.6	1.8	.217	.206	95	86	NW	1	W	2	10	7	0.60	● 6a.—noon.
24	29.00	28.98	41.1	36.2	35.9	46.4	3.1	0.8	.196	.199	77	93	W	6	SW	1	5	10	0.30	Stormy 10a.—4p.
25	16	29.57	40.8	38.6	32.0	53.9	2.2	2.1	.210	.194	83	83	SW	1	W	2	5	10	—	Cloudy.
26	75	64	45.2	41.8	36.6	49.9	4.8	0.4	.203	.256	68	97	W	1	SW	1	5	10	1.50	Dull day. ● from 6p.
27	38	29.55	48.5	39.8	30.7	50.9	4.8	2.4	.234	.198	69	81	W	6	NW	4	7	10	—	Dull from 3p. ☼ (gale).
28	29.80	30.00	46.3	48.2	39.1	56.9	3.0	2.5	.247	.276	79	83	NW	1	W	2	5	10	—	Cloudy.
29	30.10	30.11	46.4	46.6	38.9	58.7	3.1	2.1	.246	.269	79	86	W	1	W	1	5	10	—	Dull from noon.
30	30.13	29.98	45.5	46.4	35.3	56.6	3.8	2.3	.224	.262	74	84	SW	1	SW	1	5	10	—	
31	29.72	29.54	43.4	38.4	35.4	51.0	2.7	4.0	.224	.160	79	69	W	2	NW	12	10	7	0.50	☼ (gale) from 1.15p. ▲ 1.30p.
Mean	29.840	29.851	38.4	36.9	32.3	46.2	2.2	1.4	.191	.195	80.8	87.1	1.9		2.0	7.4	8.0	0.910		

WOLFELEE.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	41°	43°	35°	52°	1°	1°	in.	in.	%	%	SW	SW	—	—	ins.	Dull a. Fine p.
2	29°74	29°81	41°	43°	35°	52°	1°	1°	232	247	89	89	SW	SW	—	—	—	Dull a. Fine p.
3	83	84	46°	45°	30°	47°	1°	2°	272	245	86	82	SW	WSW	—	—	—	Dull a. Fine p.
4	84	84	44°	41°	40°	53°	1°	1°	246	227	85	89	SE	SW	—	—	—	Dull a. Fine p.
5	76	69	28°	30°	24°	47°	0°	0°	151	152	96	90	S	SE	—	—	—	Fine and frosty.
6	63	52	29°	31°	23°	51°	0°	0°	145	156	88	89	S	SE	—	—	—	Dull a. Bright during day. ☁ at night.
7	63	62	29°	35°	26°	51°	0°	0°	152	200	92	98	S	SE	—	—	—	Dull day.
8	68	62	30°	35°	29°	48°	0°	0°	152	185	90	89	ESE	SE	—	—	—	Dull day.
9	56	41	37°	38°	29°	48°	0°	0°	204	219	93	94	S	NE	—	—	—	☁ (mist) a. Dull day. ☁ p.
10	31	43	36°	38°	33°	51°	1°	2°	189	224	89	98	S	NE	—	—	—	Dull, with ☁.
11	46	36	33°	34°	30°	48°	0°	0°	178	186	92	93	NE	SW	—	—	—	Dull a. ✕.
12	22	25	35°	29°	31°	38°	0°	0°	200	154	98	95	NNW	NE	—	—	—	Dull, with ✕ all day.
13	35	48	29°	14°	24°	35°	0°	2°	154	051	96	61	N	WNW	—	—	—	✕ all day.
14	49	35	18°	21°	7°	38°	0°	1°	091	096	93	67	SW	NNW	—	—	1°000	Clear and frosty.
15	23	20	25°	20°	13°	38°	0°	0°	114	086	83	79	NNE	N	—	—	—	Clear and frosty.
16	18	24	22°	30°	12°	43°	1°	0°	077	154	66	90	NW	N	—	—	—	Clear and frosty.
17	37	50	29°	20°	22°	39°	0°	1°	153	068	93	63	NW	NW	—	—	—	☁ a.
18	50	51	30°	33°	10°	43°	1°	0°	135	173	80	92	SW	NW	—	—	—	✕ p.
19	51	58	36°	30°	29°	42°	0°	0°	107	135	93	80	W	SW	—	—	210	Dull, with ✕ a.
20	62	56	28°	30°	17°	44°	1°	0°	117	161	76	97	SW	SW	—	—	—	Fine and frosty a. Dull p.
21	51	29°38	34°	32°	20°	45°	0°	1°	186	143	93	78	S	SS	—	—	—	Dull and cold.
22	29°17	28°91	30°	29°	25°	45°	0°	0°	152	145	88	88	S	S	—	—	—	Dull, with ✕ a. Clear and frosty p.
23	28°61	64	32°	36°	22°	45°	1°	1°	153	189	84	89	SSE	W	—	—	170	✕ till noon. Stormy day.
24	40	60	34°	38°	32°	38°	0°	2°	192	187	98	81	NE	NW	—	—	080	Dull, with ✕ and ✕ (sleet) a.
25	64	28°58	37°	37°	32°	45°	2°	1°	180	196	79	89	W	SW	—	—	170	Dull and blowy. ☁ showers p.
26	28°72	29°13	38°	41°	32°	46°	0°	2°	222	207	97	80	W	N	—	—	—	Dull day. ✕ p.
27	29°33	26	42°	41°	33°	50°	2°	0°	211	243	79	93	W	SW	—	—	060	Fine and clear a. Dull, with ☁ showers
28	04	17	45°	40°	39°	50°	3°	2°	240	191	79	77	WNW	NW	—	—	020	Dull a. Clear p. Blowy. [p.
29	36	58	46°	45°	36°	50°	4°	1°	218	266	71	89	NW	NW	—	—	—	Fine day. Blowy a. Calm p.
30	64	66	45°	49°	30°	57°	0°	2°	225	218	76	82	NW	NW	—	—	—	Very fine.
31	66	57	45°	44°	29°	50°	5°	2°	201	236	66	81	NW	NW	—	—	—	Fine and bright a. Cold and blowy p.
Mean	29°34	29°07	43°	36°	38°	50°	3°	4°	203	139	72	65	NW	N	—	—	090	Dull, with ☁ showers. Cold and blowy p.
	29°361	29°367	35°	34°	27°	46°	1°	1°	179	176	85°	84°	—	—	—	—	1°800	

SCARBOROUGH.—MARCH 1887.

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.

Long. 6 25 W. Lat. 54 17 N.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.												
1	30°29	30°34	37°	43°	33°	51°	1°	1°	195	247	85	86	SSW	1	NW	1	0	—	Fine and very bright.	
2	30°38	30°35	42°	43°	33°	53°	1°	1°	243	263	90	92	SW	1	NW	1	1	0	—	Very bright and spring-like.
3	30°35	30°31	40°	41°	30°	50°	0°	1°	235	234	94	91	W	1	E	1	2	0	—	Fine and bright. ☀
4	29°29	29°31	35°	35°	30°	44°	0°	1°	202	186	97	90	W	1	Calm	0	9	0	—	Cloudy a. Bright p. ☀
5	30°16	30°09	33°	35°	29°	38°	0°	0°	188	190	99	92	SW	1	SE	1	10	10	—	Dull and cold, with ☁☁☁ ☀
6	30°07	30°10	35°	33°	33°	40°	0°	1°	191	169	93	86	SW	1	E	1	10	4	—	Dull a. Fine p.
7	30°18	30°15	37°	40°	33°	42°	1°	1°	191	169	93	86	SW	1	E	1	10	4	—	Dull a. Fine p.
8	30°06	29°50	30°	36°	31°	42°	1°	1°	215	190	88	90	E	2	E	1	10	10	—	Dull a. Bright p.
9	29°59	29°54	35°	41°	30°	41°	1°	1°	188	241	90	94	NW	1	NE	2	10	10	—	0°30 Dull, cold, and raw. ☀
10	29°55	29°51	38°	35°	35°	41°	1°	1°	204	204	88	88	NE	1	W	1	10	10	—	1°50 ✖ all day.
11	29°55	29°51	37°	34°	34°	44°	0°	0°	209	183	93	93	SW	3	NE	2	10	230	—	2°30 ✖ at night.
12	29°56	29°56	34°	29°	29°	37°	0°	0°	179	139	90	85	NE	5	NE	2	5	0	—	0°60 ✖ before 9a. Δ showers.
13	29°54	29°54	28°	29°	26°	34°	0°	0°	152	142	99	86	NW	3	NE	1	3	2	—	1°80 ✖ ² (3 ins. deep) before 9a. Very [bright later.
14	29°50	29°54	31°	31°	24°	36°	1°	1°	131	133	74	76	NW	1	NW	1	10	5	—	1°50 ✖ showers.
15	29°59	29°54	32°	34°	29°	35°	0°	1°	167	179	90	88	N	2	NW	1	5	2	—	1°10 ✖ ² Δ ² showers.
16	29°52	29°58	34°	31°	30°	40°	1°	1°	179	131	89	74	NE	1	E	1	4	0	—	0°10 ✖ a. Fine and bright p.
17	29°53	29°56	30°	31°	22°	40°	0°	0°	143	157	85	91	E	1	Calm	0	2	0	—	— ✖ and bright.
18	29°56	29°57	33°	31°	24°	40°	0°	1°	151	151	79	85	SW	1	SW	1	0	0	—	3°50 ✖ ² Δ ² . Fine and bright later.
19	29°57	29°57	37°	36°	31°	44°	1°	1°	198	181	90	86	NE	2	E	1	10	10	—	0°50 ✖ Δ a. Fine and bright later.
20	29°52	29°57	34°	33°	31°	41°	1°	1°	160	134	79	68	E	1	SE	2	10	6	—	0°50 ✖. Fine later.
21	29°52	29°52	34°	31°	30°	38°	2°	2°	152	133	76	74	E	1	SW	1	5	5	—	0°20 ✖. Fine and bright later.
22	29°54	29°51	35°	38°	30°	44°	0°	2°	209	191	98	82	SE	2	SW	2	10	0	—	2°30 ✖ ⁰ a. Fine p.
23	29°57	29°51	43°	39°	37°	46°	0°	2°	275	199	99	81	SE	2	W	5	10	4	—	0°30 ✖ ⁰ a. Very bright, with p. p.
24	29°54	29°54	41°	38°	36°	47°	2°	2°	206	188	79	81	W	4	SW	4	3	1	—	1°00 Very bright, with p. a.
25	29°54	29°54	41°	38°	37°	46°	1°	1°	221	212	86	90	W	2	NW	1	10	0	—	0°50 ✖ ⁰ a. Very bright p.
26	29°54	29°54	46°	42°	38°	50°	1°	1°	209	235	67	85	NW	2	NW	2	0	10	—	0°60 ✖ ⁰ a. Very bright p.
27	29°57	29°54	48°	43°	40°	53°	2°	2°	273	187	81	67	W	2	W	4	1	0	—	— Very bright day.
28	29°51	29°54	45°	43°	40°	52°	2°	2°	299	225	65	78	NW	3	NW	1	2	5	—	— Very bright. ☀ ^{4p} .
29	29°51	29°51	46°	43°	41°	51°	1°	1°	271	210	88	84	NW	1	NW	2	10	5	—	0°30 Very bright. ☀ at night.
30	29°51	29°51	45°	42°	40°	47°	2°	2°	247	230	81	86	N	2	S	1	9	0	—	— Fine day.
31	29°54	29°46	42°	38°	35°	47°	2°	2°	218	155	80	67	SW	3	W	4	9	10	—	1°40 Fine day. U ^{9p} . Fine a. Δ ² ✖ ² sp.—6p. ☀ [scale] later.
Mean	29°555	29°560	38°	37°	33°	44°	1°	1°	200	190	86°	84°	—	—	—	—	3°8	1°960	—	—

CRONKBORNE (DOUGLAS) ISLE OF MAN.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	43°	45°	40°	47°	1°	1°	250	268	88	90	WSW 2-3	SW 2	10	10	—	Dull day.
2	30°34	30°40	43°	45°	40°	47°	1°	1°	250	268	88	90	WSW 2	SW 2	10	10	—	Overcast all day. ☁ (mist).
3	43	43	45°	43°	42°	48°	0°	0°	294	255	95	92	WSW 2	SW 2	10	10	—	Dull day.
4	39	35	44°	41°	41°	45°	3°	1°	226	231	76	88	WSW 2	WNW 1	10	9	—	Dull day.
5	31	23	42°	32°	32°	45°	2°	0°	221	170	83	94	NNE 1	N 1	8	1	—	Fine day. ☁ (mist) p.
6	13	04	39°	40°	28°	49°	0°	0°	234	241	98	96	ENE 1	E 2	10	8	—	a. Dull day, with ☁ (mist) p.
7	04	08	38°	35°	35°	42°	1°	0°	214	197	92	95	E 2	NNE 2	10	5	—	Dull, with ☁ (mist). ☁ p.
8	17	30°15	37°	39°	33°	40°	1°	2°	197	196	87	80	ESE 3	SE 5	10	10	—	Dull, with ☁ (mist). ☁ p.
9	30°06	29°53	42°	40°	39°	42°	2°	2°	225	207	85	83	SSE 3	NNW 1	10	10	—	Dull, with ☁ (mist).
10	29°58	29°58	40°	41°	34°	45°	1°	1°	218	233	89	91	NNW 2	NW 2	10	9	—	a. Dull, with ☁ (mist).
11	29°55	29°55	40°	41°	35°	46°	0°	0°	232	240	94	95	Calm 0	SSW 2	10	9	—	a. Dull, with ☁ (mist).
12	29°57	29°57	45°	32°	32°	47°	1°	0°	257	177	86	97	WSW 4	NE 5	8	10	238	Dull day. ☀ ▲ from 3p. ☁ * p.
13	29°50	29°50	33°	30°	29°	37°	0°	1°	175	140	93	83	NNE 4-5	NW 2	3	3	—	Very fine.
14	30°07	29°59	35°	28°	24°	39°	0°	1°	159	122	75	78	NNE 2	NNW 2	2	2	008	Very fine.
15	29°53	29°53	37°	35°	26°	37°	0°	0°	214	178	96	91	W 3	NE 2	10	3	042	* a. Dull, with ☁ showers.
16	29°56	29°56	34°	33°	28°	38°	0°	0°	180	179	91	94	NE 4	N 2	4	0	—	Fine a. * 3p.
17	29°57	30°00	38°	36°	29°	41°	1°	2°	206	173	90	81	NE 4	NE 1	3	4	—	a. and p. Very fine.
18	30°06	30°06	37°	34°	25°	41°	2°	1°	182	179	83	89	Calm 0	NNE 1	7	10	186	Dull, with ☁ (mist). * at night.
19	30°05	30°12	37°	36°	32°	42°	0°	0°	216	202	97	94	ENE 2	N 1	7	8	—	Dull a. Fine p. ☁ p.
20	30°07	30°14	41°	40°	30°	45°	1°	2°	227	202	88	82	SE 1	ESE 4	3	3	—	Very fine day, with ☁.
21	30°01	29°57	39°	37°	35°	40°	2°	3°	186	168	78	73	SE 3	SE 2	7	10	018	Very fine. ☁. * 11p.
22	30°01	29°57	39°	37°	35°	40°	2°	3°	186	168	78	73	SE 3	SE 2	7	10	240	* before 9a. Very fine. ☁ * p.
23	30°02	30°11	40°	43°	33°	40°	2°	3°	168	165	79	75	SE 4	SE 3	7	10	326	Squally before 9a. Squally * p.
24	30°02	30°11	40°	43°	33°	40°	2°	3°	168	165	79	75	SE 4	SE 3	7	10	003	Squally p.
25	30°01	30°20	43°	42°	37°	47°	2°	3°	232	207	83	78	W 5	W 6-7	4	3	003	Squally p.
26	30°23	30°17	43°	40°	39°	46°	0°	1°	219	218	79	92	W 5-6	WNW 5-6	3	3	084	Squally a. and p.
27	30°23	30°17	43°	40°	39°	46°	0°	1°	219	218	79	92	W 5-6	WNW 5-6	3	3	084	Squally a. and p.
28	30°23	30°17	43°	40°	39°	46°	0°	1°	219	218	79	92	W 5-6	WNW 5-6	3	3	084	Squally a. and p.
29	30°23	30°17	43°	40°	39°	46°	0°	1°	219	218	79	92	W 5-6	WNW 5-6	3	3	084	Squally a. and p.
30	30°23	30°17	43°	40°	39°	46°	0°	1°	219	218	79	92	W 5-6	WNW 5-6	3	3	084	Squally a. and p.
31	30°23	30°17	43°	40°	39°	46°	0°	1°	219	218	79	92	W 5-6	WNW 5-6	3	3	084	Squally a. and p.
Mean	29°510	29°507	41°	38°	34°	45°	1°	1°	225	209	86°	87°	3°	3°	7°	5°	1°	1°

HILLINGTON.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
1	ins.	ins.	33°	30°	24°	51°	1°	0.2	in.	in.	SW	1	0	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
2	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
3	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
4	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
5	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
6	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
7	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
8	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
9	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
10	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
11	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
12	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
13	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
14	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
15	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
16	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
17	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
18	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
19	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
20	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
21	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
22	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
23	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
24	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
25	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
26	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
27	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
28	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
29	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
30	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
31	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	ins. 1° a. Fine and sunny. 10° 0° p.
Mean	29° 49'	29° 49'	37° 7'	34° 4'	29° 1'	46° 1'	1° 9'	1° 1'	191	178	83° 4'	88° 3'	2° 0'	1° 4'	6° 6'	1° 693

CHURCHSTOKE.—MARCH 1887.

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.

Long. 3° 5' W. Lat. 52° 31' N.

Rain-gauge, 1 foot 6 inches.

1	29° 97	30° 01	32° 9	33° 9	26° 8	49° 1	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
2	30° 02	30° 00	32° 7	33° 1	26° 1	49° 1	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
3	29° 99	29° 93	32° 6	33° 0	26° 0	49° 0	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
4	29° 98	29° 92	32° 5	33° 0	26° 0	49° 0	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
5	29° 97	29° 91	32° 4	33° 0	26° 0	49° 0	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
6	29° 96	29° 90	32° 3	33° 0	26° 0	49° 0	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
7	29° 95	29° 89	32° 2	33° 0	26° 0	49° 0	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
8	29° 94	29° 88	32° 1	33° 0	26° 0	49° 0	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
9	29° 93	29° 87	32° 0	33° 0	26° 0	49° 0	1° 0	1° 0	166	174	89	89	SE	1	NW	1	10	1	—
10	29° 92	29° 86	31° 59	32° 59	25° 59	48° 59	1° 59	1° 59	165	173	88	88	SE	1	NW	1	10	1	—
11	29° 91	29° 85	31° 58	32° 58	25° 58	48° 58	1° 58	1° 58	165	173	88	88	SE	1	NW	1	10	1	—
12	29° 90	29° 84	31° 57	32° 57	25° 57	48° 57	1° 57	1° 57	165	173	88	88	SE	1	NW	1	10	1	—
13	29° 89	29° 83	31° 56	32° 56	25° 56	48° 56	1° 56	1° 56	165	173	88	88	SE	1	NW	1	10	1	—
14	29° 88	29° 82	31° 55	32° 55	25° 55	48° 55	1° 55	1° 55	165	173	88	88	SE	1	NW	1	10	1	—
15	29° 87	29° 81	31° 54	32° 54	25° 54	48° 54	1° 54	1° 54	165	173	88	88	SE	1	NW	1	10	1	—
16	29° 86	29° 80	31° 53	32° 53	25° 53	48° 53	1° 53	1° 53	165	173	88	88	SE	1	NW	1	10	1	—
17	29° 85	29° 79	31° 52	32° 52	25° 52	48° 52	1° 52	1° 52	165	173	88	88	SE	1	NW	1	10	1	—
18	29° 84	29° 78	31° 51	32° 51	25° 51	48° 51	1° 51	1° 51	165	173	88	88	SE	1	NW	1	10	1	—
19	29° 83	29° 77	31° 50	32° 50	25° 50	48° 50	1° 50	1° 50	165	173	88	88	SE	1	NW	1	10	1	—
20	29° 82	29° 76	31° 49	32° 49	25° 49	48° 49	1° 49	1° 49	165	173	88	88	SE	1	NW	1	10	1	—
21	29° 81	29° 75	31° 48	32° 48	25° 48	48° 48	1° 48	1° 48	165	173	88	88	SE	1	NW	1	10	1	—
22	29° 80	29° 74	31° 47	32° 47	25° 47	48° 47	1° 47	1° 47	165	173	88	88	SE	1	NW	1	10	1	—
23	29° 79	29° 73	31° 46	32° 46	25° 46	48° 46	1° 46	1° 46	165	173	88	88	SE	1	NW	1	10	1	—
24	29° 78	29° 72	31° 45	32° 45	25° 45	48° 45	1° 45	1° 45	165	173	88	88	SE	1	NW	1	10	1	—
25	29° 77	29° 71	31° 44	32° 44	25° 44	48° 44	1° 44	1° 44	165	173	88	88	SE	1	NW	1	10	1	—
26	29° 76	29° 70	31° 43	32° 43	25° 43	48° 43	1° 43	1° 43	165	173	88	88	SE	1	NW	1	10	1	—
27	29° 75	29° 69	31° 42	32° 42	25° 42	48° 42	1° 42	1° 42	165	173	88	88	SE	1	NW	1	10	1	—
28	29° 74	29° 68	31° 41	32° 41	25° 41	48° 41	1° 41	1° 41	165	173	88	88	SE	1	NW	1	10	1	—
29	29° 73	29° 67	31° 40	32° 40	25° 40	48° 40	1° 40	1° 40	165	173	88	88	SE	1	NW	1	10	1	—
30	29° 72	29° 66	31° 39	32° 39	25° 39	48° 39	1° 39	1° 39	165	173	88	88	SE	1	NW	1	10	1	—
31	29° 71	29° 65	31° 38	32° 38	25° 38	48° 38	1° 38	1° 38	165	173	88	88	SE	1	NW	1	10	1	—
Mean	29° 493	29° 481	36° 5	35° 2	28° 7	44° 1	1° 8	1° 5	183	176	83° 2	84° 4	2° 0	1° 7	8° 1	5° 9	1° 590		

Cold wind.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
∞ on hills.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Overcast and cold. Bright p.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Raw and cold, with (mist).	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
(mist).	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dull, cold, and raw, with (mist).	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dull and threatening, with cold wind.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dull and cold.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dull, gloomy, and cold.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dull day. (mist) on hills.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bright. p.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
* early a., and during day.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
* storms.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
* during day.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
* in past a. Bright.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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CARMARTHEN.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	30°	30°	24°	51°	1°	0.2	in.	in.	SW	1	0	0	0	0	ins.	Dull all day.
2	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Dull all day.
3	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	9a. Fine day.
4	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	9a. Fine day. 10p.
5	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	9a. and 9p. Fine day. 10p. 10p.
6	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	9a. Fine. but with cold wind. 10p.
7	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Fine, but with cold wind.
8	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	9a. Dull and cold.
9	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Fine day.
10	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Dull day. 9° from 9p.
11	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	9a. and 9p.
12	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Fine, but with cold wind.
13	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Dull day. 9° from 9p.
14	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Cold and windy.
15	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Fine, but cold.
16	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	9a.
17	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Dull and cold. Snow still lying.
18	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Dull and cold. 9°
19	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Dull and gusty. 9° from 9p. 9p.
20	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Squally n. and showering.
21	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Windy, with 9° showers.
22	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Gusty, with 9° showers.
23	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Fine a. 9° p.
24	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Fine day.
25	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Very fine.
26	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Very fine.
27	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Very fine.
28	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	Dull day. 9° from 9p., with rising [wind.
29	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	
30	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	
Mean	30°	30°	34°	34°	25°	48°	0°	0.4	150	187	SSW	0.5	10	0	0	0	—	

SOUTHAMPTON.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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1	ins.	ins.	34° 9	35° 0	28° 5	45° 1	0° 5	0° 8	in.	in.	%	%	NW	0° 5	NW	0° 5	10	0	ins.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

BABBACOMBE.—MARCH 1887.

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

Long. 5 51 W. Lat. 50 29 N.

1	30° 24	30° 29	35° 0	36° 8	31° 5	43° 0	0° 1	0° 6	201	206	99	95	N	1	N	1	10	0	—	☼ a. D ² ~ p.
2	31	26	41° 1	37° 4	35° 4	47° 8	2° 0	1° 4	217	196	84	88	NE	1	NNW	2	10	0	—	(mist) a. and p. ☼ p.
3	23	18	38° 1	37° 8	28° 5	39° 9	0° 4	0° 0	222	227	96	100	NE	1	ESE	2	10	10	—	☼ till 8 a. Dull 8 a. — noon. ☼ 4
4	30° 11	30° 00	34° 1	30° 9	30° 9	37° 9	0° 0	0° 0	193	173	98	100	ENE	3	NW	1	10	3	—	Dull a. 3 p. — 10 p. ☼

LONDONDERRY.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					
1	ins.	ins.	45°	47°	42°	53°	0°	0°	100	100	94	94	SW	2	SW	1	10	10	ins.	Fine till 3p., then ☉.
2	30° 38	30° 42	45° 7	47° 6	43° 0	57° 0	1° 3	1° 4	288	295	91	90	SW	2	Calm	0	9	10	—	
3	44	46	45° 7	47° 6	43° 0	54° 5	1° 9	2° 6	264	249	87	82	SW	2	S	1	10	10	—	
4	30	30	43° 2	30° 7	35° 0	54° 8	3° 3	0° 8	211	202	76	93	SE	1	SW	1	10	0	—	Fine and clear all day.
5	21	11	34° 7	40° 7	30° 0	52° 3	0° 8	0° 8	186	237	92	93	NE	1	Calm	0	10	10	—	☼ a.
6	11	16	40° 7	39° 7	37° 0	55° 0	0° 8	0° 8	237	228	93	93	NE	2	NE	1	9	1	—	Fine and clear all day.
7	20	15	39° 7	37° 7	34° 5	50° 0	1° 3	1° 3	218	200	89	89	SE	2	SE	1	3	10	—	Day fine and clear. ☼ (mist).
8	30° 11	08	39° 2	38° 2	35° 0	46° 0	2° 3	1° 8	195	195	81	85	SW	2	NW	1	3	10	—	
9	29° 07	30° 02	41° 7	40° 2	35° 5	56° 0	1° 3	0° 8	236	232	90	93	NW	2	Calm	0	10	1	0° 10	Fine and clear all day.
10	06	29° 85	41° 4	43° 2	34° 9	47° 9	1° 5	0° 8	229	262	88	93	SW	2	S	1	10	10	1° 10	☼ ☼ showers.
11	29° 83	29° 93	39° 7	34° 2	30° 0	47° 5	0° 8	2° 8	228	145	93	73	NE	2	NE	2	10	3	0° 80	☼ and ☼ (sleet) showers.
12	30° 08	30° 18	33° 7	31° 7	30° 0	45° 0	3° 3	1° 8	131	138	68	77	NE	2	Calm	0	4	0	0° 50	Fine all day.
13	30° 18	30° 10	30° 7	35° 7	26° 0	43° 0	0° 8	2° 3	151	167	88	79	SW	2	NE	2	3	1	0° 80	☼ showers.
14	29° 77	29° 87	37° 1	35° 2	31° 5	45° 0	0° 6	2° 8	209	153	95	74	NW	1	N	2	10	8	0° 30	☼ showers.
15	29° 88	29° 92	34° 7	33° 2	30° 0	45° 0	2° 3	1° 8	157	153	77	81	NNE	3	NE	1	3	0	—	Fine and clear all day.
16	30° 00	30° 11	32° 7	34° 7	28° 5	49° 0	1° 8	1° 8	148	166	80	82	NE	2	NNE	1	3	10	—	Fine and clear all day.
17	12	14	33° 4	38° 7	31° 0	48° 0	1° 5	2° 3	161	191	84	82	SW	2	SW	2	3	10	0° 90	☼ at night.
18	16	20	40° 2	36° 7	35° 0	53° 3	0° 8	1° 1	232	199	93	90	NNW	1	NW	1	5	0	0° 20	☼ showers.
19	22	30° 16	37° 2	37° 6	33° 0	51° 6	1° 3	1° 7	196	192	88	85	SW	2	E	2	10	0	—	
20	30° 06	29° 90	35° 7	33° 2	30° 5	53° 0	0° 8	1° 4	194	161	93	85	E	2	SE	2	3	0	—	Fine and clear all day.
21	29° 67	28	33° 7	36° 0	28° 0	41° 0	1° 8	3° 1	157	156	81	73	SE	2	SE	2	0	10	0° 60	
22	05	05	38° 7	40° 2	34° 0	50° 0	0° 8	2° 3	219	203	93	82	SW	3	SE	4	10	10	0° 30	☼ ☼ showers.
23	04	17	40° 2	40° 2	35° 0	48° 3	2° 3	2° 8	203	194	82	78	WSW	3	SW	4	6	0	1° 00	☼ showers.
24	10	29	39° 7	39° 3	34° 5	49° 0	1° 8	0° 8	208	225	85	94	WSW	4	NW	2	8	0	5° 10	☼ ☼ ☼ (sleet) showers.
25	49	00	43° 7	43° 7	37° 0	54° 0	1° 8	2° 3	245	235	85	82	NW	5	NW	5	10	10	2° 00	☼ ☼ showers all day.
26	03	65	42° 7	48° 7	39° 0	52° 0	1° 1	1° 3	250	311	91	91	WSW	2	WSW	3	10	10	1° 40	☼ all day.
27	75	29° 06	44° 7	43° 7	40° 0	56° 5	3° 3	2° 3	225	235	76	82	W	4	NW	3	5	0	0° 90	☼ showers all day.
28	30° 10	30° 22	48° 7	46° 7	43° 0	55° 5	3° 0	1° 8	272	277	79	87	NW	1	W	1	10	10	—	
29	25	23	46° 1	43° 2	42° 0	61° 0	2° 7	0° 8	251	262	81	93	S	1	Calm	0	10	0	—	Fine all day.
30	28	20	44° 2	46° 7	35° 0	63° 5	2° 6	1° 8	234	277	80	87	S	2	NW	1	0	10	0° 90	☼ at night.
31	30° 01	30° 00	45° 2	40° 7	35° 0	55° 5	1° 3	4° 3	271	173	90	68	SW	3	N	2	10	9	0° 20	☼ showers.
Mean	29° 977	29° 981	40° 0	39° 9	34° 8	51° 4	1° 7	1° 8	216	214	85° 0	84° 8	2° 1	1° 5	7° 2	5° 6	1° 780			

MARKREE CASTLE (SLIGO).—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
								Dep. of Wet.			Vapour Tension.								Per-centage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	46.2	46.9	40.2	51.1	1.0	0.8	in.	in.	290	293	93	95	SSE 1	SSW 1	10	10	ins.	Overcast all day.
2	30.32	30.38	46.0	45.1	40.2	50.8	0.8	2.3	292	248	94	83	S 1	Calm 0	10	10	—	—	∞ ga. Overcast all day.	
3	30.38	30.42	46.3	44.9	43.0	49.8	2.3	3.0	261	233	84	78	Calm 0	SSE 0.5	10	10	—	—	Overcast all day.	
4	31	32	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SE 1	Calm 0	9	3	—	—	—	
5	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SE 0.5	Calm 0	10	10	0.30	—	—	
6	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	E 0.5	9	8	—	—	—	
7	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	ESE 2	SE 2	8	10	—	—	—	
8	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SSE 1	Calm 0	10	10	0.10	—	—	
9	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	S 0.5	Calm 0	10	10	0.10	—	—	
10	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	SSE 0.5	10	10	0.10	—	—	
11	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SE 0.5	NNE 2	10	8	0.10	—	—	
12	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	NNE 2	Calm 0	1	0	0.10	—	—	
13	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	Calm 0	3	8	0.10	—	—	
14	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	NW 1	NNW 1	10	2	0.30	—	—	
15	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	NNE 2	Calm 0	8	3	0.10	—	—	
16	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	Calm 0	2	3	—	—	—	
17	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	Calm 0	7	10	0.120	—	—	
18	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	Calm 0	10	0	0.10	—	—	
19	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SW 0.5	E 0.5	9	10	0.10	—	—	
20	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	SSE 1	9	10	—	—	—	
21	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SE 2	SE 5	10	10	0.110	—	—	
22	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	WSW 2	SSW 1	4	10	0.70	—	—	
23	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	WSW 2	WSW 3	6	4	0.100	—	—	
24	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SW 2	NW 4	8	10	0.520	—	—	
25	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	NNW? 6	NNW 1	10	10	0.150	—	—	
26	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	SSE 1	SSW 2	10	10	0.220	—	—	
27	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	NW 5	WSW 1	8	8	0.020	—	—	
28	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	WNW 2	NW 0.5	7	10	—	—	—	
29	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	ESE 1	Calm 0	9	2	—	—	—	
30	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	Calm 0	NW 0.5	9	9	0.120	—	—	
31	30.42	30.46	40.4	32.9	32.3	46.7	2.2	0.2	207	183	83	98	NW 3	NNW 5	10	6	0.020	—	—	
Mean	29.931	29.921	40.8	38.6	32.5	47.9	1.9	1.4	219	211	84.5	88.0	1.3	1.0	8.3	7.5	1.790			

DUBLIN (PHENIX PARK).—MARCH 1887.

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

1	30.35	30.39	45.2	46.4	39.0	50.2	2.9	2.6	237	257	79	83	SW 2	Calm 0	10	10	—	Dull and cloudy.
2	44	42	45.1	43.4	43.2	49.2	3.0	2.7	234	224	78	79	SSW 1	Calm 0	10	8	—	Dull and cloudy.
3	40	33	45.4	32.8	31.8	49.1	3.4	0.4	230	178	76	96	Calm 0	Calm 0	9	0	005	Dull a. ☁ p.
4	30	21	29.0	37.3	21.9	44.1	0.6	0.3	150	216	90	97	Calm 0	ENE 1	4	8	—	☁ all day.
5	10	01	42.5	40.7	36.1	47.1	1.2	0.1	246	252	90	99	ENE 1	Calm 0	10	10	—	Dull and cloudy. ☁ p.
6	00	02	42.2	39.3	37.2	46.5	0.9	0.5	250	231	92	96	ENE 1	NE 1	8	9	005	☁ all day.
7	07	30.06	42.0	38.8	34.4	45.5	1.0	1.6	245	205	92	87	E 2	SE 2	8	0	—	☁ all day. ☁.
8	30.04	29.97	39.0	37.7	34.8	41.0	2.5	2.7	190	176	81	77	SSE 1	NW 1	10	10	—	Dull all day.
9	29.92	29.93	38.6	39.8	28.8	49.0	1.4	0.3	207	239	89	98	W 1	NE 1	10	8	—	Dull a. ☁ p.
10	92	84	39.3	42.0	32.0	47.8	0.6	0.4	229	190	96	72	Calm 0	SW 2	10	9	—	☁ a. Dull and cloudy.
11	76	29.74	44.5	33.9	32.0	47.2	4.2	0.4	207	187	70	96	Calm 0	NNE 2	3	10	430	☁ a. Dull, with ☉, p. ☼ p.
12	29.91	30.07	34.9	31.4	30.8	38.7	0.2	0.9	199	155	98	88	NE 3	Calm 0	2	1	005	☼ showers.
13	30.09	30.02	32.2	29.2	20.9	39.8	0.4	0.4	174	150	95	93	W 1	NNW 1	2	0	010	☼ showers a. Beautiful day.
14	29.77	29.69	33.6	34.8	24.4	41.4	0.4	2.0	185	162	95	81	SW 2	NE 2	10	6	080	☼ and ☼ (sleet) showers p.
15	74	78	31.8	27.3	27.9	37.8	0.4	2.8	171	125	95	68	NNE 2	NNW 3	8	2	005	☼ and ☼ (sleet) n.
16	29.87	29.99	34.8	28.0	24.8	42.9	3.0	0.8	146	128	72	84	NNW 2	Calm 0	3	2	005	☼ showers. Beautiful day.
17	30.05	30.08	32.8	33.0	20.3	43.2	1.8	1.8	149	151	80	80	Calm 0	Calm 0	2	8	070	☼ showers.
18	06	10	35.5	36.5	31.9	45.3	0.6	0.9	197	198	95	92	WNW 1	Calm 0	9	10	—	☼ and ☼ (sleet) a.
19	30.13	30.05	37.9	29.5	28.9	44.8	1.6	0.6	197	147	87	90	SW 1	Calm 0	8	5	020	☼ showers in past n.
20	29.96	29.85	34.8	30.9	26.9	41.4	2.0	1.0	162	148	81	85	Calm 0	Calm 0	9	10	—	☼ ☼ a. Squally ☼ ☼ (sleet) [p.
21	60	20	33.7	34.8	25.4	42.0	1.9	1.1	155	180	80	90	Calm 0	ESE 5	10	10	100	☼ and ☼ in past n. Day fine.
22	05	44.7	43.0	33.1	50.4	4.6	2.0	201	234	68	84	WSW 3	SSW 2	4	10	010	☼ ☼ ☼ showers p.	
23	08	28	42.1	38.3	36.5	48.8	3.3	2.1	203	191	76	83	W 4	WSW 3	1	0	410	☼ ☼ ☼ showers p.
24	24	30	42.3	40.0	35.9	48.0	3.3	0.2	204	243	78	88	SW 4	W 3	2	10	105	Squally ☼ ☼ showers. ☼ p.
25	51	84	44.6	42.0	39.0	49.6	3.1	1.6	228	233	78	98	W 5	WNW 2	9	1	070	Dull, with ☉ ☼ showers.
26	93	74	44.7	49.6	35.9	50.6	1.8	2.5	255	293	87	83	SW 2	SW 4	10	10	080	☼ ☼ ☼ showers. ☼ p.
27	29.77	29.94	48.8	42.3	41.6	52.8	3.3	2.0	268	238	78	85	WNW 3	W 2	7	1	050	Dull, with ☉ ☼ showers.
28	30.10	30.16	44.5	47.4	37.0	54.9	2.1	3.0	246	258	84	80	W 1	Calm 0	6	10	—	☼ ☼ ☼ showers. ☼ p.
29	17	17	48.6	39.9	32.0	52.8	4.7	0.2	237	241	69	99	Calm 0	Calm 0	5	0	005	☼ ☼ ☼ p.
30	30	30.15	47.3	38.3	26.7	56.3	3.4	0.9	248	213	76	93	Calm 0	Calm 0	1	1	005	☼ ☼ ☼ p.
31	30.02	29.86	45.5	39.7	37.3	49.5	1.9	3.0	261	188	86	76	WNW 2	Calm 0	10	4	010	☼ ☼ ☼ in past n. Dull a. Cloudy p.
Mean	29.921	29.910	40.3	37.8	31.9	46.7	2.1	1.5	210	201	83.5	87.1	1.5	1.2	6.8	5.8	1.480	

BIRR CASTLE, PARSONSTOWN.—MARCH 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.			Vapour Tension.								Per-centage.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.
1	ins.	ins.	44.7	46.6	37.1	53.2	2.1	2.0	in.	in.	84	86	S	1	Calm	0	10	10	ins.
2	30.34	30.38	44.7	46.6	37.1	53.2	2.1	2.0	249	271	84	86	S	1	Calm	0	10	10	—
3	42	40	44.8	45.9	42.2	50.8	2.4	2.9	243	245	82	80	S	1	Calm	0	10	10	—
4	38	30	46.8	38.5	38.1	51.4	3.6	1.2	239	210	75	90	Calm	0	Calm	0	10	0	—
5	27	30.17	28.3	37.8	24.6	50.7	0.5	0.8	140	210	91	93	Calm	0	NE	1	8	10	—
6	30.07	29.98	35.5	44.0	30.2	48.2	0.3	1.0	203	265	98	92	Calm	0	Calm	0	8	10	—
7	29.98	29.96	40.0	39.4	37.0	52.0	0.7	0.9	232	224	94	93	Calm	0	NE	3	8	0	—
8	30.02	30.03	36.7	37.6	27.0	52.6	1.3	1.0	193	205	89	91	Calm	0	Calm	0	2	10	—
9	30.01	29.95	39.6	39.4	34.6	42.0	2.8	1.6	190	210	78	87	SE	2	Calm	0	10	10	—
10	29.92	29.92	41.0	43.5	36.4	49.0	1.6	1.0	223	261	87	92	WSW	1	Calm	0	10	10	—
11	88	82	42.4	41.2	39.0	48.2	1.0	1.6	249	225	92	88	S	1	S	2	10	10	—
12	72	29.75	41.2	32.9	32.2	46.8	0.9	0.4	240	180	93	96	SSE	1.5	Calm	0	10	10	—
13	29.92	30.05	31.7	27.3	26.6	38.4	1.9	0.4	136	137	76	92	NNE	1	Calm	0	0	0	—
14	30.10	30.04	28.8	28.9	18.2	40.4	1.0	0.7	129	138	82	88	Calm	0	Calm	0	7	0	—
15	29.79	29.71	35.0	34.2	23.7	45.3	1.0	1.3	184	172	90	86	SW	2	NW	2	10	10	—
16	77	80	34.4	28.5	25.2	39.2	2.2	0.8	156	134	78	86	NNW	2	Calm	0	9	0	—
17	29.89	29.97	31.8	30.0	20.0	43.2	2.0	0.9	135	143	75	85	Calm	0	Calm	0	0	0	—
18	30.03	30.07	32.8	33.8	20.0	44.7	1.8	1.2	149	170	80	87	Calm	0	Calm	0	1	10	—
19	08	10	36.2	24.8	20.4	44.3	1.8	0.5	180	192	84	95	Calm	0	Calm	0	10	1	—
20	30.11	30.03	36.3	35.4	30.5	44.4	0.5	0.6	204	196	95	94	Calm	0	Calm	0	10	8	—
21	29.93	29.81	32.0	30.0	24.0	41.9	0.7	1.4	165	130	91	77	Calm	0	Calm	0	2	10	—
22	54	29.04	36.7	36.2	23.0	42.0	3.3	0.8	158	199	73	93	SE	1	SSE	4	1	10	—
23	10	28.96	42.8	42.4	35.0	50.0	2.8	0.7	217	256	79	95	W	2	SE	2	3	10	—
24	11	29.31	42.0	36.4	35.6	47.4	2.3	0.7	220	202	83	94	SW	2	SW	2	6	0	—
25	28	35	38.8	41.5	34.1	46.9	1.0	1.1	216	232	92	92	SW	1	WNW	3	7	4	—
26	61	87	46.0	41.9	39.1	49.9	3.0	1.1	244	242	79	92	W	1	NW	2	7	3	—
27	92	72	45.0	49.0	34.8	59.3	0.7	1.1	282	320	94	92	SW	1	SW	4	10	10	—
28	29.82	29.68	48.7	43.7	42.1	52.3	2.7	1.6	279	249	81	87	W	1	WSW	3	2	4	—
29	30.10	30.15	48.8	45.2	36.1	54.8	2.8	1.8	278	260	80	87	Calm	0	WNW	1	3	10	—
30	13	12	49.8	44.5	30.0	60.0	3.5	1.2	273	266	77	91	SSE	1	Calm	0	3	0	—
31	18	30.16	48.3	44.8	31.0	59.2	3.4	1.4	259	264	76	89	Calm	0	SW	1	7	2	—
Mean	30.05	29.90	40.7	42.2	36.0	59.2	1.8	3.0	277	299	87	78	WNW	1	NW	3	10	10	—
Mean	29.918	29.896	39.8	38.6	31.2	48.3	1.9	1.2	211	214	84.4	89.3	0.8	1.1	6.6	6.2	1.311		

DUNROBIN CASTLE.—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	ins.
2	30.05	29.80	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine, but with cool wind.
3	30.07	29.82	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine, but cool.
4	30.08	29.83	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	showers a.
5	30.09	29.84	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	showers a. Fine p.
6	30.10	29.85	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	showers a. (sleet) a. Fair, but
7	30.11	29.86	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	cloud p.
8	30.12	29.87	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Milder.
9	30.13	29.88	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine and clear.
10	30.14	29.89	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine day.
11	30.15	29.90	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine and clear.
12	30.16	29.91	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine and clear.
13	30.17	29.92	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine and clear.
14	30.18	29.93	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Clear and cold p.
15	30.19	29.94	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Milder.
16	30.20	29.95	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine day.
17	30.21	29.96	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Dull a. Fine p.
18	30.22	29.97	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Fine day.
19	30.23	29.98	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Dull and blowy.
20	30.24	29.99	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Blow a.
21	30.25	30.00	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	showers p.
22	30.26	30.01	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Dull a. showers p.
23	30.27	30.02	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Dull and cold.
24	30.28	30.03	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Cloudy and mild.
25	30.29	30.04	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Cloudy and mild.
26	30.30	30.05	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Clear and cold.
27	30.31	30.06	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Blow and cold.
28	30.32	30.07	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Blow and cold.
29	30.33	30.08	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Blow and cold.
30	30.34	30.09	40.4	45.6	36.4	45.6	4.5	3.9	107	223	60	73	N	N	—	Blow and cold.
Mean	29.964	29.968	43.8	41.1	36.2	48.5	3.8	2.5	210	210	73.2	80.6	—	—	2.070	

BRAEMAR.—APRIL 1887.

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

1	28.74	28.64	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
2	28.75	28.65	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
3	28.76	28.66	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
4	28.77	28.67	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
5	28.78	28.68	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
6	28.79	28.69	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
7	28.80	28.70	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
8	28.81	28.71	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
9	28.82	28.72	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
10	28.83	28.73	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
11	28.84	28.74	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
12	28.85	28.75	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
13	28.86	28.76	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
14	28.87	28.77	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
15	28.88	28.78	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
16	28.89	28.79	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
17	28.90	28.80	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
18	28.91	28.81	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
19	28.92	28.82	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
20	28.93	28.83	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
21	28.94	28.84	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
22	28.95	28.85	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
23	28.96	28.86	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
24	28.97	28.87	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
25	28.98	28.88	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
26	28.99	28.89	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
27	29.00	28.90	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
28	29.01	28.91	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
29	29.02	28.92	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
30	29.03	28.93	34.2	39.6	32.6	43.3	0.5	1.0	188	223	95	92	NW	2	SW	0.5	7	8	160	* showers.
Mean	28.705	28.723	39.3	37.9	32.7	47.4	2.6	2.0	192	191	79.4	83.3	1.9	1.3	5.9	5.2	1.610			

LAUDALE.—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dsp. of Wet.		Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	41.2	42.4	37.8	44.9	3.6	0.5	189	260	73	98	N	3	WNW	2	4	10	ins.	● ⁰ showers $\frac{1}{2}$ p.
2	30.05	29.94	41.2	42.4	37.8	44.9	3.6	0.5	189	260	73	98	NW	4	NW	3	5	8	0.10	
3	.08	29.91	45.2	45.2	42.2	49.0	2.9	1.8	237	271	79	90	NW	3	WSW	6	10	10	.510	☼ ⁰ (mist) a. and p. Distant T. 10a.
4	.50	29.46	42.0	37.2	36.7	48.0	2.0	0.3	225	216	85	97	WNW	3	NW	2	9	7	.030	● ² a. ☼ ⁰ (mist) all day.
5	29.65	30.01	35.0	34.0	29.4	48.2	1.5	1.0	174	176	85	89	E	4	NE	2	10	6	.020	☼ ² a. ☼ ² showers at night.
6	30.20	.24	37.2	34.0	31.5	41.0	3.2	2.4	163	149	74	76	NE	2	Calm	0	4	0	—	
7	.31	.34	36.9	36.0	28.6	45.5	4.1	2.1	147	173	68	81	NE	1	Calm	0	0	0	—	Fine all day.
8	.34	.28	39.7	43.2	29.5	47.7	0.7	1.9	230	238	94	85	SSE	1	Calm	0	2	7	—	
9	.31	.29	42.3	41.2	32.2	54.0	2.0	1.2	228	233	85	91	Calm	0	Calm	0	0	0	—	Clear and fine.
10	.26	.21	45.0	40.0	39.1	57.7	2.0	1.0	253	226	85	92	Calm	0	Calm	0	0	0	—	Clear and fine.
11	.21	.15	42.0	45.0	35.8	57.3	1.9	1.9	227	236	86	85	Calm	0	Calm	0	1	0	—	Clear and fine.
12	.15	.19	46.2	44.0	39.5	57.8	1.4	2.1	281	242	91	83	Calm	0	Calm	0	2	1	—	Clear and fine.
13	.30	.34	47.8	39.7	37.7	49.9	5.6	0.9	212	226	64	92	E	2	NE	2	0	2	—	Clear and fine.
14	.41	.39	39.4	38.7	29.0	46.0	2.4	2.7	195	184	81	79	Calm	0	Calm	0	4	1	.020	
15	.35	.42	44.2	44.0	35.0	50.9	2.2	2.1	242	242	83	83	NW	2	E	2	8	5	—	☼ ⁰ ☼ ⁰ (mist) a. Day fine.
16	.50	.52	44.4	46.0	35.2	46.9	3.2	3.7	224	231	76	75	WNW	3	WNW	2	10	1	—	☼ ⁰ (mist) a. Fine during day. ∞ [p.
17	.52	.46	49.0	44.2	40.5	55.2	4.0	2.2	255	242	73	83	Calm	0	NW	1	4	5	—	
18	.41	.31	49.0	47.0	39.7	50.0	3.2	1.4	272	289	78	90	W	3	W	4	10	10	.030	Dark and threatening, with ☼ ⁰ (mist).
19	30.22	30.00	47.4	49.2	42.9	50.0	2.4	1.0	270	324	83	93	W	3	W	7	10	10	.620	Dark and gloomy. ● ⁰ ☼ ⁰ (mist).
20	29.87	29.86	50.0	45.0	45.0	52.2	1.4	1.0	524	275	90	92	WSW	4	SW	1	10	10	.800	☼ ⁰ (mist) ☼ ⁰ showers.
21	.63	.35	42.5	46.0	41.1	40.9	1.3	0.7	244	294	90	95	S	6	Calm	0	10	10	.730	☼ ² and ☼ ² (sleet) showers.
22	.23	.15	47.3	43.9	43.9	52.4	2.1	2.7	276	229	85	79	WSW	3	Calm	0	9	3	.380	☼ ⁰ (mist) 9a. Gloomy day. [☼ ⁰ p.
23	.05	.04	40.0	40.9	38.6	50.8	1.5	1.9	217	216	88	85	Calm	0	Calm	0	9	4	.130	☼ ⁰ (sleet) a. Fine in aft.
24	.13	.27	43.9	39.0	37.0	45.3	2.0	2.0	225	199	78	84	WNW	4	SW	2	7	9	.240	☼ ⁰ ☼ ⁰ showers all day.
25	.39	.58	38.2	36.2	34.7	43.8	1.3	1.8	204	180	89	84	W	6	SW	2	9	7	.350	☼ ² a. ☼ ² showers all day. Mock [sun a.
26	.56	.64	34.8	35.0	33.4	43.8	1.6	0.8	170	188	84	92	Calm	0	SW	1	10	2	.210	☼ ² 5a.—11.30a.
27	.66	.61	40.0	41.0	39.7	46.0	2.4	1.7	200	221	81	86	NW	1	NNW	2	3	10	.130	☼ ⁰ (sleet) showers.
28	.75	29.88	43.2	41.2	34.9	50.9	1.6	2.2	245	213	87	83	Calm	0	E	2	5	10	.320	Showers of ☼ and ☼ ⁰ (sleet), with [bright intervals.
29	29.95	30.05	40.8	43.5	35.6	50.0	3.6	3.8	239	205	75	73	NE	2	NE	1	7	6	—	
30	30.12	30.13	44.9	41.9	39.2	57.3	3.5	3.0	223	206	75	78	N	1	W	1	5	1	—	
Mean	29.965	29.963	43.1	41.7	36.6	49.4	2.5	1.8	229	229	81.7	85.9	2.0		1.5	5.9	5.2	4.5	40	

SCARBOROUGH—APRIL 1887.

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

Day.	Barometer at 32° Fah.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.						
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	41°8	41°0	37°7	48°0	6°1	2°2	in.	in.	°/o	°/o	NW	4	WSW	1	4	10	ins.	—	Fine and sunny.	
2	°72	°83	46°7	44°0	38°5	53°1	5°1	2°3	°154	°212	59	83	W	1	SW	2	1	4	—	—	Fine and sunny.	
3	°82	°66	45°5	45°1	41°2	49°4	2°0	1°4	°259	°268	86	89	SSW	2	SW	4	10	9	°042	—	Overcast.	
4	°33	°31	44°0	35°7	35°6	47°2	1°6	2°6	°252	°160	87	76	SW	1	WSW	1	10	0	°016	—	Cloudy, with squally.	
5	29°40	29°77	39°4	36°7	32°5	47°0	4°7	4°3	°157	°142	66	66	N	1	N	1	4	5	—	—	Cloudy, with squally.	
6	30°00	30°06	38°7	36°2	33°1	46°2	5°0	4°6	°148	°134	63	62	NNE	1	NNE	1	4	10	—	—	Dull and cloudy.	
7	°09	°13	38°0	36°7	35°0	48°2	4°6	3°0	°148	°162	64	75	NNE	4	NNE	1	10	1	—	—	Fine and sunny.	
8	°14	°08	37°7	41°2	31°8	51°1	2°5	3°4	°179	°192	80	75	SW	1	NNE	1	9	1	—	—	Dull and cloudy.	
9	°14	°13	41°8	38°7	32°3	52°5	2°2	2°3	°219	°190	84	82	NNE	1	N	1	7	1	—	—	Fine and sunny.	
10	°11	30°04	41°6	43°2	32°2	59°3	3°0	2°8	°203	°221	78	79	E	1	NE	3	6	0	—	—	Fine day.	
11	30°02	29°05	44°7	45°9	35°2	58°2	3°3	3°7	°225	°229	76	74	NNE	1	NE	1	5	3	—	—	Fine day.	
12	29°07	30°00	42°4	43°3	36°2	52°2	2°0	2°2	°220	°233	85	83	NNE	3	NNE	2	5	10	—	—	Fine day.	
13	30°09	°16	42°7	37°8	37°4	48°2	6°3	5°8	°158	°129	59	57	NNW	2	NNW	3	4	5	—	—	Fine and sunny.	
14	°24	°20	37°7	37°0	31°2	47°6	5°3	2°3	°136	°177	60	81	NNW	1	SW	1	9	2	—	—	Fine and sunny.	
15	°18	°24	42°5	43°7	35°7	51°7	2°9	3°2	°213	°218	79	76	WSW	1	NNE	1	10	10	—	—	Dull and cloudy.	
16	°38	°39	42°7	42°1	39°6	52°6	3°2	1°7	°208	°231	77	87	ENE	1	WSW	1	10	2	—	—	Dull and cloudy.	
17	°39	°32	46°7	42°5	34°2	54°4	4°3	2°0	°225	°230	71	85	SW	4	SW	1	5	4	—	—	Squally.	
18	°24	30°15	48°0	46°7	40°2	53°3	4°2	3°5	°239	°240	72	76	WSW	2	SW	3	9	10	—	—	Squally.	
19	30°04	29°00	49°3	46°2	46°0	54°2	4°0	1°2	°238	°285	68	92	WSW	2	SW	3	9	10	°023	—	Cloudy, with squally.	
20	29°76	°75	46°7	40°2	40°1	51°6	1°0	0°7	°295	°234	93	94	SSW	2	NE	2	10	10	°320	—	Overcast, with.	
21	°51	°25	42°0	46°3	38°8	51°6	0°4	0°8	°258	°295	97	94	NNE	1	SSW	2	10	10	°348	—	Overcast, with.	
22	29°11	29°02	49°7	42°0	41°8	51°5	2°3	0°9	°298	°247	85	93	SSW	4	SW	2	9	10	°182	—	showers.	
23	28°89	28°00	45°7	43°1	40°6	49°4	3°2	0°9	°236	°258	77	93	SSE	1	SE	1	9	9	°591	—	showers.	
24	28°96	29°20	43°1	36°0	36°0	47°6	1°2	2°4	°252	°167	91	79	S	1	S	2	9	3	°040	—	showers.	
25	29°28	°48	37°7	37°0	34°3	46°2	1°7	1°2	°193	°196	85	89	SSW	2	S	2	9	10	°260	—	showers.	
26	°30	°49	39°8	37°3	33°6	49°6	1°7	1°7	°211	°190	86	86	SE	1	SE	2	10	4	°032	—	showers.	
27	°49	°46	41°5	38°7	32°1	51°4	3°5	1°3	°193	°209	75	90	WSW	2	SW	3	5	10	°136	—	showers.	
28	°61	°70	47°0	41°7	37°5	48°0	4°0	1°9	°233	°224	73	86	SSW	5	SSE	1	7	5	°040	—	showers.	
29	°76	°88	43°3	40°9	34°2	48°0	1°8	1°4	°241	°227	86	89	NNE	1	NNE	1	9	10	—	—	Fine and sunny.	
30	29°05	29°03	45°4	41°7	35°8	51°1	1°0	2°3	°270	°216	92	83	NNE	1	SSE	1	8	2	—	—	Fine day.	
Mean	29°791	29°803	43°1	41°0	36°3	50°7	3°2	2°3	°216	°212	77°4	81°9	1°8	1°7	7°5	6°0	2°30					

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	42°	39°	36°	42°	2°	3°	in.	in.	%	%	N	10	NW	1	8	0	ins.	Blustering, with showers.
2	29°50	29°72	42°	39°	36°	42°	2°	3°	29°50	29°72	70	82	NW	3	NW	2	0	3	—	Blustering.
3	°69	°76	40°	40°	33°	48°	4°	2°	°69	°76	70	82	NW	1	W	1	4	5	—	Fine day.
4	°86	°75	48°	44°	37°	54°	3°	1°	°86	°75	76	86	NW	1	W	1	4	5	—	Fine day.
5	°49	°28	45°	42°	40°	46°	2°	1°	°49	°28	85	85	W	3	W	2	10	10	°080	Dull, with showers.
6	°56	°61	41°	39°	33°	46°	3°	1°	°56	°61	78	78	N	2	NE	4	4	9	°020	Bright a. showers in afternoon.
7	°84	29°95	40°	38°	38°	43°	1°	4°	°84	29°95	85	70	NE	5	NE	6	5	9	—	Fine day.
8	29°97	30°06	40°	39°	37°	44°	4°	2°	29°97	30°06	76	81	NE	4	NE	4	3	2	°020	Very bright, but with cold wind.
9	30°09	°08	41°	40°	38°	45°	1°	1°	30°09	°08	88	87	NE	2	N	1	10	2	—	Dull and damp a. Very bright p.
10	°09	°13	43°	40°	36°	45°	1°	2°	°09	°13	85	83	NE	4	NE	3	4	8	—	Fine day.
11	°12	°10	41°	41°	38°	45°	2°	1°	°12	°10	85	91	NE	1	NE	1	10	9	—	Dull a. Very fine p.
12	30°09	°01	39°	39°	38°	45°	2°	0°	30°09	°01	84	94	NE	2	E	1	8	0	—	Very fine.
13	29°96	°02	39°	38°	33°	41°	0°	1°	29°96	°02	94	85	NE	2	NE	2	10	6	°020	☁ a. Fine afternoon.
14	30°03	°09	41°	37°	34°	41°	3°	0°	30°03	°09	78	95	NE	4	NE	3	9	5	°060	☁ showers.
15	°16	°18	40°	37°	32°	41°	4°	3°	°16	°18	68	73	NE	5	NE	2	4	4	°060	☁ showers.
16	°17	°23	44°	40°	31°	46°	4°	3°	°17	°23	69	88	NW	3	NW	2	0	8	—	Fine day.
17	°41	°48	43°	36°	35°	45°	3°	2°	°41	°48	75	81	E	2	S	2	5	0	—	Brilliant, but with cold wind.
18	°37	°34	44°	40°	33°	60°	3°	2°	°37	°34	75	84	SW	2	SW	1	0	0	—	Very bright and warm.
19	°28	30°16	48°	50°	37°	62°	4°	6°	°28	30°16	69	70	SW	2	SW	1	3	2	—	Bright and warm. [clouds sp.
20	30°04	29°97	53°	47°	42°	61°	5°	3°	30°04	29°97	68	76	E	1	W	2	3	0	—	Very bright and warm.
21	29°82	°74	52°	50°	42°	58°	4°	3°	29°82	°74	77	75	SW	3	SW	4	7	10	°070	Fine day.
22	°74	°45	41°	40°	40°	51°	0°	6°	°74	°45	95	91	SE	3	S	3	10	10	°060	Dull, with showers.
23	°25	°18	51°	48°	43°	56°	3°	2°	°25	°18	88	77	W	4	SW	2	4	5	°090	Fine and bright.
24	°06	°07	47°	46°	42°	55°	1°	2°	°06	°07	91	91	SE	4	W	1	9	3	°030	☉ a. Dull day. ☼ in afternoon.
25	°06	°09	48°	44°	40°	55°	2°	1°	°06	°09	91	90	SW	6	W	2	4	1	°080	Fine day.
26	°38	°60	40°	34°	34°	54°	3°	3°	°38	°60	85	75	S	6	W	2	5	0	—	
27	°60	°49	42°	39°	32°	53°	4°	0°	°60	°49	33	69	S	10	S	3	10	10	°280	Stormy morning. ☼ ☉
28	°57	°56	43°	40°	34°	54°	3°	2°	°57	°56	73	78	SW	3	SW	5	5	10	°060	
29	°68	°75	48°	45°	33°	55°	5°	3°	°68	°75	66	76	SW	3	S	1	3	5	°040	Fine and bright.
30	°75	°83	40°	38°	38°	45°	1°	3°	°75	°83	72	90	E	2	SW	1	10	0	°090	☉ a. Bright afternoon.
30	29°93	29°98	44°	37°	37°	47°	2°	1°	29°93	29°98	79	91	NW	3	NW	1	5	0	°020	Very fine, but with cold wind.
Mean	29°816	29°829	44°5	41°9	36°8	49°9	3°1	2°2	29°816	29°829	78°0	83°3	3°5	2°2	5°7	4°5	1°010			

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—APRIL 1887.

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.

[illegible]

	29°84	29°84	43°2	41°7	37°2	47°4	0°7	2°0	*264	*223	94	85	N	6	NNW	4-5	3	10	*002	Squally ↗ (force 8), a.	Very fine day.	
1	*86	*86	49°0	44°5	40°8	50°8	4°0	0°0	*255	*273	93	93	NW	6	NNW	8	3	—	—	Very fine, but with squally ↘.	—	
3	*95	*81	47°0	46°2	42°5	48°0	3°6	1°4	*253	*281	79	91	WNW	4	WSW	4	10	10	*008	Dull day.	—	
4	*49	*40	45°0	38°8	38°8	46°2	0°3	2°2	*202	*194	98	82	WSW	5	NW	2-3	10	5	*036	↗ a.	↖ till 2p. ↖ p.	
5	*41	29°73	41°0	38°1	28°9	43°0	2°1	2°5	*213	*182	83	79	NW	5-6	NE	6	8	7	*291	Squally ↗	* (sleet).	
6	29°97	30°05	40°8	37°2	36°6	43°9	2°8	3°2	*199	*163	78	74	NNE	6-7	ENE	5	6	7	—	Squally ↗	—	
7	30°04	*10	42°0	37°6	36°5	45°0	3°2	2°8	*204	*174	77	77	ENE	6	NE	3	6	—	—	Squally ↗	—	
8	*13	*13	45°5	42°2	30°5	48°8	4°0	1°4	*220	*239	73	89	ENE	2	NE	1	0	7	—	Squally ↗	—	
9	*13	*14	47°2	42°0	30°5	49°2	4°2	3°2	*231	*204	72	77	NE	5	ESE	4	2	3	—	↖ a.	Very fine day.	
10	*14	30°07	42°3	41°0	38°3	47°2	3°5	2°8	*201	*201	75	78	ESE	4-5	E	3	7	2	—	↖ a.	Very fine day.	
11	30°05	29°98	43°8	42°0	39°1	54°2	2°8	2°0	*226	*225	78	85	ESE	4	Calm	0	7	4	—	Squally a.	Fine day. D ² p.	
12	29°06	29°98	50°8	45°8	33°5	58°0	5°0	3°0	*253	*242	68	79	E	3	ENE	4-5	0	0	—	↘ (mist)	a.	Very fine day.
13	30°08	30°16	46°3	38°2	38°0	47°2	4°7	3°2	*215	*171	69	74	ENE	5-6	ENE	4-5	3	2	—	Squally ↗ a.	Very fine day.	
14	*28	*31	40°2	31°8	29°5	44°2	4°2	2°6	*170	*124	68	69	E	4	NNW	2	4	0	—	Very fine day.	—	
15	*25	*29	47°8	41°6	29°9	51°0	3°0	1°5	*261	*231	79	89	NW	5	NW	3	7	0	—	Squally ↗ a.	Very fine day. D p.	
16	*43	*46	45°9	35°0	34°3	49°2	3°6	1°8	*232	*168	76	82	ESE	4	N	1	4	2	—	↘ (mist)	a.	Very fine day. D p.
17	*50	*44	47°2	40°2	30°6	51°0	2°4	1°8	*269	*213	84	86	SW	5	N	1	6	1	—	Squally a.	Very fine day. D p.	
18	*36	*36	48°4	46°0	33°4	53°7	3°6	4°0	*256	*225	76	73	W	4	WSW	1	4	2	—	Very fine day.	—	
19	30°20	30°06	49°1	45°0	39°7	55°9	4°1	1°1	*254	*273	73	91	WNW	4	NW	2	8	4	—	Very fine day.	↖ p.	
20	29°93	29°82	49°2	49°3	42°5	56°7	3°8	1°3	*261	*318	74	91	W	4	NW	2	8	10	*060	↘ (mist)	● showers a.	Overcast.
21	*64	*36	49°0	46°0	45°3	49°3	0°2	0°1	*318	*309	99	99	SSW	4	SW	5	10	10	*400	↘ (mist)	● showers a.	Overcast.
22	29°24	29°08	49°0	44°0	43°9	51°4	2°0	1°1	*208	*273	86	91	SW	3-4	WSW	4	10	4	*136	↘ (mist)	● showers a.	Overcast.
23	28°94	28°98	49°7	44°0	43°2	51°0	2°3	1°0	*229	*205	84	92	SSW	SW	5	7	8	—	—	Squally ↗ a.	Fine day.	
24	29°07	29°34	47°2	40°2	40°0	49°0	2°5	3°8	*266	*177	83	71	NW	4	WSW	3	6	3	*012	Fine day.	● showers.	
25	*42	*58	43°2	38°0	35°2	48°0	3°0	1°0	*217	*208	78	91	WNW	3	WSW	3	5	3	*284	● showers a.	▲ 6.30p.	
26	*50	*56	41°4	36°0	35°5	46°2	2°4	1°0	*212	*193	82	91	WNW	5-6	WNW	2	7	2	*005	Squally ↗	* ² a. ↖ p.	
27	*60	*65	41°0	39°2	33°6	43°5	3°2	1°6	*191	*208	76	87	WSW	4	W	4	7	7	*130	Dull, with ☀ ▲ * ² .	—	
28	*75	*77	45°2	34°8	34°8	49°6	4°4	1°6	*210	*170	70	84	WSW	3	N	2	4	1	—	Very fine day.	↖ p.	
29	*79	29°87	46°8	43°3	30°5	51°9	3°5	1°9	*241	*242	76	85	E	3	NE	1	4	10	*190	* ² ●	—	
30	29°99	30°02	46°7	38°8	34°2	50°0	3°3	2°6	*244	*187	77	79	ESE	3	NNW	1	8	3	—	Very fine day.	—	
Mean	29°864	29°868	45°16	41°0	36°2	49°4	3°1	2°0	*241	*219	78°6	83°8	4°4		3°1	5°8	4°4	1°064				

STONYHURST.—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	41°	36°	35°	44°	0°	2°	in.	in.	%	%	NNE 5	Calm	7	10	ins.	Fine and sunny.	
2	29°46	29°56	41°	36°	35°	44°	0°	2°	191	166	74	76	NNE 1	Calm	6	0	—	Fine and sunny.	
3	54	61	46°	41°	32°	51°	4°	1°	210	221	67	86	swb.w.1	WbyS 1	8	10	—	☁ till 8.30a. Overcast p.	
4	70	59	43°	42°	34°	49°	0°	1°	258	235	93	85	WSW 3	WbyS 1	10	10	0.345	Overcast, with ☁.	
5	28	12	43°	41°	39°	43°	1°	2°	251	200	90	77	WSW 3	WbyS 1	10	10	—	☁ a. Fine and sunny. ▲ 1.30p.	
6	18	41	41°	36°	30°	47°	3°	1°	191	185	75	85	NNE 1	NE 2	6	10	—	Fine and sunny, but cold.	
7	65	76	41°	35°	34°	47°	4°	3°	178	146	70	70	NEb.N4	ENE 1	8	10	—	Fine and sunny, but cold.	
8	74	83	39°	35°	33°	47°	5°	1°	148	175	60	84	NE 3	NE 1	9	0	—	Cloudy day.	
9	87	89	44°	40°	31°	46°	3°	3°	216	187	75	75	NEb.E2	NE 1	7	10	—	☁ a. Fine and sunny a. Overcast p.	
10	80	91	41°	38°	29°	47°	2°	3°	209	184	79	74	Calm	NE 1	7	2	—	Fine and sunny.	
11	90	86	42°	41°	36°	52°	4°	2°	197	213	72	83	ENE 1	E 1	4	2	—	Fine and clear.	
12	84	76	40°	43°	34°	55°	2°	2°	211	223	84	80	NEb.N2	NEb.N2	0	0	—	Very fine day.	
13	71	76	50°	37°	35°	59°	5°	2°	242	190	67	83	NEb.N1	NEb.N1	0	0	—	—	
14	80	29°88	42°	35°	34°	45°	3°	3°	202	143	74	71	NE 2	NEb.N1	10	0	—	—	
15	29°96	30°04	38°	35°	29°	42°	5°	4°	130	134	57	65	Nb.E 3	Calm	0	10	—	—	
16	30°00	05	40°	39°	27°	47°	5°	2°	200	192	79	78	W 1	Calm	0	10	0.330	☁ a. Overcast.	
17	20	24	43°	41°	34°	50°	3°	4°	183	176	64	67	NEb.N1	Calm	0	3	—	Fine and sunny.	
18	27	31	45°	40°	31°	50°	5°	3°	193	179	62	72	Calm	Calm	0	0	—	☁ a. Fine and sunny.	
19	30°14	30°03	43°	41°	32°	51°	1°	2°	247	209	89	80	WbyS 1	WbyS 1	10	7	—	—	
20	29°94	29°82	46°	42°	39°	50°	3°	1°	238	242	76	87	W 3	W 2	8	1	—	Fine and sunny.	
21	70	60	47°	46°	40°	51°	3°	1°	239	277	74	89	WbyS 4	W 2	10	10	1.00	Overcast and threatening.	
22	47	29°20	45°	46°	44°	49°	1°	2°	275	265	92	86	SSW 1	swbys 2	10	10	1.80	Overcast, with ☁.	
23	29°05	28°95	49°	47°	44°	52°	2°	3°	293	247	84	76	swbys 3	swbys 2	10	10	0.55	Overcast and gloomy.	
24	28°80	28°84	46°	41°	41°	52°	3°	1°	227	227	74	86	ShyW 4	SW 1	10	10	2.30	☁ p. ☁ 2p.	
25	28°84	29°13	43°	38°	33°	48°	1°	3°	218	171	78	74	swbys 2	WbyS 1	10	5	0.50	☁ 11a. and 6.30p.	
26	29°16	39	41°	35°	34°	46°	2°	1°	201	184	78	90	SSW 3	WSW 1	10	2	0.50	[ably black 6p., with distant T.	
27	32	32	39°	35°	34°	47°	3°	1°	173	194	70	92	swbys 6	swb.w.1	10	10	3.19	☁ ☁ ☁ 9a. and 7p. Sky remark.	
28	38	41	40°	38°	33°	45°	1°	1°	213	198	86	86	SW 1	WbyN 1	9	9	2.00	☁ early a. ☁ noon and 4p.	
29	54	54	44°	41°	33°	50°	4°	1°	207	234	70	90	WbyS 2	Calm	7	6	0.72	Fine and warm, with brilliant sun.	
30	54	65	41°	39°	36°	48°	1°	1°	228	224	87	91	NEb.N1	Calm	10	10	1.35	[shine.	
30	29°74	29°75	46°	40°	34°	50°	5°	2°	209	200	67	79	NE 1	Calm	0	0	—	—	
Mean	29°620	29°637	43°	40°	34°	49°	3°	2°	213	201	75°	80°	2°	0°	7°	5°	1°	766	

HILLINGTON.—APRIL 1887.

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

1	29°49	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ ☁ showers a.
2	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	—
3	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	—
4	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Fine and sunny. ☁ p.
5	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Windy, and overcast.
6	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Overcast all day. ☁ ☁ 6p. ☁ 2p.
7	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Overcast, with ☁.
8	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Very fine and sunny, but with ☁.
9	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Very fine and sunny. ☁ 6.30p.
10	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ 9p.
11	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ 9p.
12	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Very fine and sunny. ☁ 9p.
13	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Very cold wind. [showers. ▲ 9p.
14	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Overcast and gloomy, with ☁.
15	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ 8a. ☁ 9a. ☁ 9.30a.
16	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Cloudy from 3p. ☁ 11p.
17	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Fine and sunny. Much cir. 6p.
18	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ a. Fine and sunny. Cir. 5p.
19	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ a. Much cir. all day. ☁ 8p.
20	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Fine and sunny.
21	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Fine and sunny.
22	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Overcast all day. ☁ ☁. Very gloomy
23	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ ☁ 2.30p. → 2.45p.
24	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ 5p. ☁ 9p.
25	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ from 8.10p.
26	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ early a. Sunny a. ☁ 7p.
27	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ 2a. Fine and sunny. ☁ 9p.
28	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	☁ a. Very fine and sunny.
29	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Overcast all day.
30	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	Fine and sunny. ☁ 9p.
Mean	29°48	29°56	43°	44°	33°	46°	1°	0°	2.60	2.90	91	98	NE 8	NNE 3	5	10	1.30	

CHURCHSTOKE.—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	40°	33°	32°	44°	0°	2°	in.	in.	%	%	NNW 5	W 2	9	0	ins.	Very cold and rough.
2	29°27	29°36	40°0	33°9	30°2	52°1	3°3	2°0	184	156	74	79	NNW 5	NW 1	9	2	—	Dull, cold, and breezy.
3	58	47	44°7	39°7	30°2	52°1	3°7	1°8	218	208	74	85	NW 2	NW 1	9	2	—	Breezy.
4	29°41	29°41	46°0	41°0	35°0	52°0	3°1	2°3	241	210	78	82	NW 2	NW 1	5	9	—	Dull and cloudy, with showers.
5	29°17	28°98	44°8	39°0	38°0	49°6	3°7	7°1	218	121	74	52	NW 3	NNW 2	10	10	060	Dull and cloudy, with showers.
6	28°99	29°18	40°6	33°9	32°0	47°3	3°9	0°6	178	182	70	93	NNW 3	N 1	7	8	100	Very cold wind.
7	51	60	36°9	34°9	29°1	48°2	4°0	3°6	148	138	68	68	NNE 4	NNE 2	6	1	—	Bright and very cold.
8	61	64	39°8	41°3	27°2	51°3	3°6	2°0	177	210	72	84	NNE 3	ENE 4	7	10	—	Bright and very cold.
9	65	65	41°4	41°2	35°6	44°3	4°5	3°1	176	197	67	77	NE 4	E 3	8	10	—	Dull and very cold.
10	67	61	37°8	38°9	35°9	48°1	1°9	1°4	189	209	84	89	E 5	SE 2	10	6	—	Overcast, with bitter wind a. Bright
11	59	52	45°3	41°4	30°5	56°7	3°9	2°2	219	216	73	83	SE 3	NW 1	5	0	—	Bright day, warmer.
12	50	50	41°3	44°8	33°4	59°6	1°9	3°4	220	224	85	75	NW 2	SE 3	0	0	—	Bright day.
13	57	65	38°3	35°9	34°1	46°0	1°6	4°0	199	140	87	66	NNE 2	NNE 3	10	6	—	Dull and raw.
14	75	84	37°8	31°0	28°1	43°3	4°9	1°9	142	120	62	73	NNE 2	N 1	9	0	—	Bright and breezy.
15	83	29°84	37°2	42°0	23°3	47°1	5°2	2°6	133	213	60	81	SE 1	SE 1	6	10	—	B. Bright a. Dull p.
16	29°97	30°04	43°3	35°9	32°0	53°2	4°4	3°0	193	156	68	74	Calm 0	Calm 0	8	0	—	Bright p.
17	30°08	30°02	43°8	37°7	26°8	58°3	3°9	2°8	205	174	71	76	NW 1	NW 1	2	0	—	B. Bright and clear.
18	29°96	29°86	44°8	42°1	26°5	60°1	6°0	4°2	179	186	61	70	W 2	W 1	5	0	—	Bright and hot.
19	74	67	48°7	44°6	31°1	63°1	4°8	3°9	234	213	69	72	WNW 2	W 2	6	0	—	Bright and clear.
20	57	46	48°4	41°8	35°0	55°2	4°7	1°4	233	236	69	89	W 3	SE 1	9	5	—	Cloudy a. Bright p.
21	29°27	29°02	49°9	45°3	37°8	53°1	3°4	1°8	275	261	78	87	SW 3	SW 5	10	10	050	Dull and threatening.
22	28°92	28°82	49°8	45°8	44°1	56°3	3°9	2°3	264	256	74	84	SW 4	SSE 5	10	5	239	showers.
23	73	68	47°9	39°3	38°0	54°1	3°1	1°9	260	203	79	85	S 4	NW 2	9	1	120	Gusty, with showers.
24	28°66	28°98	45°3	38°0	35°0	51°8	3°4	2°1	228	188	76	82	WNW 3	W 1	6	9	060	showers.
25	29°07	29°25	42°1	35°4	34°0	49°4	3°7	1°5	194	177	73	86	SW 4	S 1	7	0	278	showers.
26	20	16	43°1	34°4	32°2	49°7	3°5	0°5	199	188	71	95	SSW 5	NW 1	6	8	360	Cold and stormy, with showers.
27	24	30	41°8	36°1	31°1	49°7	3°0	1°2	195	188	75	89	W 3	NW 1	8	0	090	
28	37	33	46°8	36°7	31°3	53°0	1°4	0°8	287	201	90	93	WSW 1	W 1	5	5	080	Bright and clear a.
29	33	44	43°8	40°6	29°1	46°7	3°5	1°5	213	222	74	88	NW 2	WSW 1	9	10	—	Bright and breezy.
30	29°52	29°56	42°6	42°6	33°1	48°6	3°2	2°9	208	213	77	79	N 2	Calm 0	10	10	—	
Mean	29°434	29°444	43°1	39°0	32°3	51°2	3°6	2°4	206	193	73°5	80°5	2°8	1°8	7°3	1°8	1°437	

MARGATE.—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.				Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.			Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	40.2	40.5	33.0	44.4	2.2	1.0	in.	in.	%	%	N	3	N	4	10	10	ins.	☀. ☀. p. Sunny at times.	
2	29.41	29.69	40.2	40.5	33.0	44.4	2.2	1.0	20.2	20.4	83	92	N	3	N	4	10	10	110	☀. ☀. p. Sunny at times.	
3	29.80	30.02	41.8	42.4	37.0	48.9	2.6	0.8	21.2	20.8	80	93	NW	1	N	1	0	0	—	Dull day. ☁	
4	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Pretty sunset. ☁ 9p. Milder.	
5	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Very fine. ☁	
6	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀. Dull day.	
7	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀. ☀. all day.	
8	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Sunny, with ☀ all day. ☁ ☁	
9	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Very fine, but with cool ☀.	
10	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Bright and sunny, but with cold ☀	
11	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀. Very dull day.	
12	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Fine, but cool.	
13	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Fine a. ☁ from 6p.	
14	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀ before ga. Dull day.	
15	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀ before ga. ☀ ☀	
16	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Very fine.	
17	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Very fine and sunny.	
18	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀ before ga. Very fine.	
19	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀ before ga. Fine and warm.	
20	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Very warm.	
21	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Very warm.	
22	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Very warm.	
23	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀. ☀	
24	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀. Fine and sunny. ☁ 9p.	
25	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Fine day.	
26	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	☀.	
27	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Fine a. Dull p. ☀. ☀ 9p.	
28	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Fine, but cool. ☀. ☀ 9p.	
29	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Dull day.	
30	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Dull day.	
Mean	29.76	30.04	44.0	43.7	36.7	53.8	2.0	0.9	24.3	26.4	84	92	W	1	W	1	0	0	—	Fine day.	

SOUTHAMPTON.—APRIL 1887.

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

1	29.55	29.76	42.9	41.7	36.6	49.5	2.7	1.7	220	228	80	87	N	7	NE	4	10	10	0.055	Very cold ☔ showers.			
2	29.87	30.05	40.9	45.1	33.2	52.7	2.9	2.3	198	248	78	83	NW	1.5	Calm	0	10	10	—	Fine and very pleasant. ☁ 9p.			
3	30.05	30.07	51.7	46.2	35.2	61.5	4.7	2.2	269	263	70	85	NW	2	WNW	1.5	0	0	—	Delightfully fine throughout. ☁ p.			
4	29.79	30.07	47.8	43.8	35.0	57.2	3.9	1.5	244	253	73	88	SW	1.5	SW	2	1	10	0.030	☁ a. and p. Beautiful day throughout.			
5	47	56	39.9	38.5	37.9	50.2	2.2	1.8	203	198	83	86	NNW	3	NE	4	10	10	—	Beautiful day, but with cold wind. [low]			
6	66	82	42.4	40.2	38.1	48.2	3.6	3.3	200	185	75	74	NE	5.5	NE	6	10	10	—	Fine, but with very cold (force 7).			
7	81	29.89	45.8	42.1	37.1	53.3	5.2	3.0	201	170	66	64	NE	6	NE	7	1	9	—	Fine, but with very cold ☔.			
8	29.98	30.04	45.7	40.9	34.3	54.5	5.9	4.2	189	177	62	69	NE	6	ENE	2	0	0	—	Beautiful day, but with cold ☔.			
9	30.08	30.07	42.2	40.8	33.6	52.2	4.7	2.6	180	203	68	80	NE	3.5	NE	3	10	0	—	Beautiful day, but with cold wind.			
10	14	30.06	40.1	40.2	36.1	52.4	2.3	2.0	202	217	81	85	ENE	3	ENE	3	10	0	—	Dull a. Bright and pleasant later.			
11	30.03	29.03	48.8	47.1	35.2	62.1	3.7	4.4	259	233	75	72	NE	1	NE	3	0	0	—	Beautiful day throughout. [☁ 0.			
12	29.03	29.02	46.9	49.8	36.7	64.6	2.6	3.4	261	276	82	78	NNE	1	E	2	0	1	—	☁ a. Delightfully fine throughout.			
13	30.00	30.07	40.7	42.1	38.9	50.7	1.6	3.2	220	204	87	76	NE	3.5	NE	3.5	10	10	—	Dull and cold.			
14	18	30	42.1	36.0	32.4	48.4	5.0	2.8	175	161	66	76	NNE	4	NE	1.5	7	0	—	Fine and bright, but with cold wind.			
15	38	31	45.8	46.6	27.2	54.8	6.8	4.9	175	214	57	67	NW	2.5	NNW	2.5	1	10	—	☁ early a. Beautiful day.			
16	45	56	45.0	38.4	38.1	52.1	4.2	3.6	211	167	71	72	NE	3	SE	1	10	0	—	Beautiful day.			
17	63	55	46.6	39.8	27.5	54.2	5.3	3.0	206	188	65	77	NE	1	SW	1	5	0	—	☁ early a. Beautiful day throughout.			
18	46	33	50.8	42.2	28.6	64.7	5.8	4.7	238	243	64	69	SE	0.5	NW	3	0	1	—	☁ early a. Beautifully fine and			
19	28	30.16	56.8	48.6	39.1	68.8	0.6	5.4	233	224	51	65	NW	3	NW	2	2	0	—	Beautifully fine and warm. [warm.			
20	30.12	29.98	49.9	45.2	36.4	64.7	2.8	3.2	239	231	82	77	NW	2.5	NW	3	3	0	—	Beautiful day.			
21	29.89	70	44.1	47.0	37.2	57.8	1.3	2.2	260	271	89	85	NW	1	SW	4	10	10	0.067	Dull a. Beautiful day later.			
22	54	44	54.8	48.4	46.0	58.3	3.9	0.8	326	321	76	94	SW	3.5	SW	3.5	9	10	0.027	Beautiful day.			
23	30	29	53.7	47.0	46.7	55.6	5.8	1.3	269	293	65	92	SW	4	SW	3	7	10	0.285	Beautiful during day. ● 7p. - 9p.			
24	25	55	47.0	46.6	41.2	53.7	2.1	2.2	273	267	85	85	NW	2	SW	1	8	10	0.042				
25	65	82	46.1	38.9	38.6	48.6	2.0	0.9	266	219	86	93	SW	2	SW	1	10	9	0.295	● 2 8a. ● 5p. ☁ later. ▲ 8p.			
26	87	76	49.2	40.7	33.3	52.0	6.1	1.5	217	222	62	88	SW	4	W	1.5	8	0	0.250	Beautiful a. ☔ ☔ in afternoon.			
27	85	89	49.8	41.3	34.7	50.7	6.1	1.5	223	229	63	88	W	3.5	WSW	1	8	0	0.280	Beautiful a. ☔ ☔ 11.30a. Fine			
28	94	82	50.6	41.5	32.2	53.8	5.8	0.7	236	248	64	94	SE	2	NW	1.5	7	10	0.190	Beautiful a. ● from 5p. [from 2p.			
29	81	29.90	45.6	44.6	38.3	54.4	2.9	2.4	242	241	80	82	NE	2	NE	1.5	10	10	—	Fine and pleasant.			
30	29.98	30.01	45.9	44.1	35.7	52.0	3.6	1.8	232	249	75	85	NE	2.5	NE	1.5	10	1	—	Fine, but with cold wind.			
Mean	29.931	29.930	46.7	43.4	36.0	55.1	4.2	2.7	231	228	72.7	80.5					2.9		2.5	6.2	5.0	1.323	

BABBACOMBE.—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.				9 p.m.	
1	ins.	ins.	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
2	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
3	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
4	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
5	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
6	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
7	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
8	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
9	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
10	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
11	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
12	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
13	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
14	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
15	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
16	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
17	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
18	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
19	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
20	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
21	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
22	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
23	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
24	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
25	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
26	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
27	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
28	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
29	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
30	29.45	29.58	40.7	43.4	37.7	50.0	5.7	5.5	.200	.170	63	62	N	6	NNE	5	4	7	ins.	Squally (gale) p.
Mean	29.690	29.698	40.9	43.4	37.7	53.7	4.4	3.0	.228	.212	71.1	78.1	3.3		2.7	5.3	1.1	1.140		

ARMAGH.—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
1	ins.	ins.	41.8	44.0	35.9	50.7	2.0	1.0	in.	in.	°/100	°/100	N	3	NW	1	8	10	ins.
2	29.86	29.81	41.8	44.0	35.9	50.7	2.0	1.0	2.25	2.25	85	92	N	3	NW	1	8	10	—
3	84	90	47.6	44.7	42.0	52.0	2.3	1.1	2.75	2.71	84	92	NNW	1	N	1	10	10	—
4	80	72	46.8	45.0	42.5	50.2	1.7	2.0	2.79	2.53	88	85	W	1	SW	2	10	10	193
5	40	34	44.8	35.6	34.5	47.6	1.1	1.3	2.71	1.85	92	88	W	1	SW	2	10	9	035
6	41	29.77	43.1	35.6	30.0	45.7	3.7	1.0	2.03	1.01	73	91	WNW	1	N	2	8	9	040
7	29.97	30.00	39.7	34.0	29.3	44.0	3.7	2.7	1.75	1.44	71	74	NNE	2	NE	1	8	0	—
8	30.02	30.08	39.0	34.6	30.2	42.1	4.0	1.1	1.64	1.79	70	90	NE	3	NE	1	10	0	—
9	10	08	42.0	34.7	26.2	49.1	4.2	0.8	1.87	1.86	71	93	NE	2	NNE	0.5	2	2	—
10	09	30.07	39.7	39.8	28.0	50.6	0.7	2.8	2.30	1.91	94	78	NNE	0.5	ENE	1	0	0	—
11	30.03	29.98	43.5	38.4	29.1	48.7	3.3	1.3	2.14	2.06	75	89	E	1	SE	1	10	2	—
12	29.97	29.94	48.9	38.6	29.0	55.0	3.4	1.1	2.67	2.13	78	92	E	1	Calm	0	6	0	—
13	29.92	29.94	48.8	41.6	32.2	59.8	2.1	0.6	2.95	2.50	85	95	NE	1	NNE	0.5	7	8	—
14	30.04	30.11	43.5	36.8	36.2	49.5	2.7	1.1	2.25	1.97	79	91	ENE	1	NE	1	10	2	—
15	22	24	42.0	35.2	27.0	49.2	4.0	2.6	1.90	1.56	72	76	NE	1	S	1	5	4	—
16	23	26	50.3	42.0	34.1	52.7	2.8	1.3	2.95	2.39	81	90	WNW	2	NNE	0.5	10	10	—
17	33	34	49.0	42.0	31.0	55.1	1.7	3.5	3.05	1.99	88	75	NNE	0.5	S	3	7	2	—
18	36	31	49.2	45.7	34.3	58.5	5.6	4.6	2.26	2.11	64	69	SSW	3	SSW	2	6	4	—
19	29	20	47.2	44.8	35.1	60.9	3.0	2.3	2.55	2.46	79	83	SW	2	W	1	3	5	—
20	30.13	30.01	49.0	47.8	37.7	59.5	4.4	4.4	2.47	2.34	71	70	WSW	2	WSW	2	10	10	—
21	29.84	29.72	51.9	48.3	45.0	55.1	5.1	0.9	2.64	3.16	69	94	WSW	2	SW	2	10	10	229
22	45	29.25	50.0	46.0	46.0	55.2	1.4	0.5	3.24	2.99	90	97	SSW	3	SSW	1	10	10	180
23	29.11	28.07	49.4	42.5	42.2	53.5	2.7	1.8	2.87	2.34	82	86	SW	2	SW	1	10	9	135
24	28.79	28.89	46.5	42.0	37.4	51.5	2.9	1.0	2.51	2.45	80	92	S	2	SSW	1	10	10	267
25	29.08	29.25	45.8	36.6	35.2	48.5	4.3	2.5	2.18	1.71	71	79	NNW	1	SW	1	10	10	003
26	37	46	47.1	37.7	31.1	48.7	6.3	2.3	1.93	1.83	60	80	W	2	S	1	7	10	172
27	44	50	42.3	33.3	32.8	46.8	6.9	0.7	1.48	1.76	54	92	WSW	2	WSW	1	9	4	035
28	48	61	39.0	38.1	30.0	49.9	1.5	2.2	2.09	1.87	88	81	SW	2	WSW	1	10	0	010
29	67	69	45.3	36.9	33.0	50.0	3.7	0.1	2.23	2.17	74	99	SW	3	SE	0.5	4	4	116
30	74	86	48.1	37.6	30.9	50.7	4.6	0.8	2.33	2.10	69	93	E	1	ENE	0.5	8	8	017
Mean	29.801	29.808	45.6	39.9	34.1	51.4	3.3	1.7	2.38	2.15	77.2	86.4	ENE	1	NNE	1	8	2	037

MARKREE CASTLE, SLIGO.—APRIL 1887.

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

1	30.00	29.92	44.1	45.3	39.0	47.2	5.5	0.1	1.81	2.99	63	99	N	4	NNW	3
2	29.95	30.00	47.1	42.3	41.9	50.7	3.3	0.4	2.48	2.62	77	97	NNW	2	Calm	0
3	99	29.81	46.1	45.9	34.6	49.4	1.9	0.9	2.68	2.88	86	94	WSW	1	SSW	1
4	51	42	43.2	38.0	36.2	45.9	1.7	1.6	2.43	1.97	87	86	NW	3	WSW	3
5	29.53	29.90	39.9	36.7	32.2	42.9	1.5	2.3	2.16	1.75	88	81	NNW	3	NNW	5
6	30.06	30.06	42.5	34.9	34.0	47.5	4.6	2.7	1.84	1.52	68	75	NNE	2	E	2
7	11	16	37.2	37.2	27.7	43.0	4.0	2.3	1.51	1.78	68	81	E	3	NNE	2
8	19	14	42.5	38.1	27.0	51.7	4.7	1.8	1.83	1.94	67	84	NE	2	NNE	1
9	15	12	44.3	39.6	26.0	54.7	3.4	1.5	2.20	2.13	74	88	NNE	0.5	Calm	0
10	07	30.02	41.4	36.8	30.3	51.7	3.0	1.1	2.01	1.97	78	91	SE	3	Calm	0
11	02	29.98	43.1	41.2	26.0	58.2	1.7	0.9	2.41	2.40	86	93	Calm	0	Calm	0
12	00	30.02	50.9	45.3	30.2	60.9	4.1	2.9	2.73	2.39	74	79	NNE	2	Calm	0
13	08	19	49.2	39.9	36.4	52.9	4.4	2.7	2.49	1.94	71	79	E	1	NNE	1
14	29	32	45.0	39.7	28.3	49.8	4.7	1.3	2.02	2.18	68	89	SSE	0.5	Calm	0
15	33	33	47.1	42.0	34.7	52.0	0.7	1.6	3.07	2.33	95	88	W	0.5	Calm	0
16	36	37	50.2	42.2	27.7	55.8	4.6	2.5	2.55	2.18	71	82	SE	2	SE	2
17	39	37	47.8	43.0	35.1	58.1	4.5	2.5	2.32	2.25	70	81	S	4	SE	0.5
18	36	30	44.4	40.8	30.6	61.4	1.2	1.4	2.65	2.25	91	89	SSE	0.5	Calm	0
19	30.22	30.09	49.4	48.2	32.2	55.1	1.1	3.8	3.35	2.40	92	74	SW	1	WSW	1
20	29.92	29.77	51.3	48.7	45.3	53.7	3.1	0.9	3.01	3.22	79	94	SSW	1	SSE	0.5
21	46	31	48.9	47.4	46.8	58.1	0.6	1.1	3.31	3.01	96	92	S	2	WSW	1
22	29.17	00	48.1	39.7	38.2	53.2	2.9	0.7	2.66	2.30	79	94	SW	2	SE	1
23	28.85	00	47.7	44.0	39.0	50.0	2.8	2.3	2.66	2.38	81	82	SW	1	N	1
24	29.22	33	41.1	35.6	34.8	44.7	2.6	1.2	2.05	1.87	80	89	NW	5	SW	1
25	45	43	44.6	35.0	30.2	44.7	3.9	0.0	2.13	2.04	72	100	WNW	4	SE	2
26	54	57	38.0	34.2	32.3	47.2	1.0	0.8	2.08	1.82	91	91	SSE	1	SSW	1
27	58	71	34.7	38.0	31.1	46.2	0.3	1.6	1.96	1.97	97	86	NNW	0.5	WSW	1
28	74	75	45.4	37.3	30.3	50.2	2.9	0.6	2.40	2.11	80	95	N	1	Calm	0
29	29.79	29.92	44.9	37.4	29.6	50.4	2.6	0.4	2.40	2.15	81	96	NE	0.5	NE	0.5
30	30.02	30.04	46.9	39.0	29.3	51.1	3.3	2.3	2.47	1.94	78	82	NNE	0.5	Calm	0
Mean	29.878	29.879	44.9	40.4	35.2	51.3	2.9	1.5	2.39	2.23	79.6	87.7		1.8	1.0	8.6

DUBLIN (PHENIX PARK).—APRIL 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.	9 a.m.	9 p.m.	9 a.m.			9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.					9 a.m.			9 p.m.
1	ins.	ins.	0	41° 2	35° 9	49° 7	0	2° 8	1° 77	2° 03	63	79	N	5	Calm	0	ins.	Squally a. Beautiful day.
2	29° 88	29° 90	43° 4	41° 2	35° 9	49° 7	5° 4	2° 8	1° 77	2° 03	63	79	N	5	Calm	0	—	Cloudy a. Dull p.
3	88	96	49° 6	46° 3	39° 0	52° 1	5° 2	2° 3	2° 38	2° 61	67	84	N	2	Calm	0	8	Dull and overcast.
4	98	84	45° 7	45° 6	41° 9	48° 7	3° 3	2° 4	2° 35	2° 52	77	82	W	1	W	1	10	100
5	50	45	46° 1	35° 2	34° 3	49° 5	1° 1	2° 0	2° 86	1° 67	92	81	WSW	2	Calm	0	10	120
6	46	29° 74	41° 4	37° 6	30° 8	45° 6	4° 4	1° 6	1° 78	1° 94	68	86	N	4	NNE	5	5	120
7	29° 98	30° 01	40° 0	37° 8	32° 6	43° 9	3° 2	4° 0	1° 86	1° 56	75	69	NE	3	NE	2	9	2
8	30° 01	05	37° 6	40° 0	33° 5	43° 3	2° 6	3° 6	1° 77	1° 79	78	72	NE	4	ENE	3	9	1
9	12	09	42° 8	38° 3	36° 0	45° 9	4° 9	1° 1	1° 82	2° 09	65	91	ENE	3	NE	2	4	1
10	11	08	46° 4	38° 9	34° 6	49° 2	4° 6	1° 7	2° 17	2° 04	70	87	ENE	2	NE	2	1	1
11	06	30° 02	42° 7	34° 4	33° 4	48° 6	2° 9	0° 7	2° 14	1° 85	79	93	ENE	2	Calm	0	9	0
12	30° 00	29° 96	47° 7	38° 6	28° 8	51° 6	3° 3	0° 6	2° 55	2° 22	78	95	E	1	Calm	0	1	0
13	29° 94	29° 95	48° 6	41° 8	29° 6	55° 4	2° 9	1° 4	2° 73	2° 36	80	89	NE	1	Calm	0	1	0
14	30° 04	30° 14	43° 5	39° 5	37° 0	47° 1	2° 2	3° 9	2° 35	1° 70	82	70	E	2	ENE	1	8	4
15	24	30	41° 7	29° 8	20° 3	43° 9	6° 4	1° 4	1° 50	1° 28	57	78	NNE	2	Calm	0	3	1
16	30	31	42° 5	44° 9	25° 8	52° 0	4° 3	2° 3	1° 88	2° 47	70	84	W	2	Calm	0	7	10
17	39	42	47° 6	37° 6	36° 8	52° 9	4° 0	2° 4	2° 40	1° 81	73	80	ENE	1	Calm	0	8	0
18	45	41	49° 6	41° 5	29° 2	56° 9	6° 3	3° 0	2° 17	2° 02	62	78	SSW	1	Calm	0	3	1
19	37	29	50° 0	43° 5	35° 5	61° 8	5° 7	5° 1	2° 32	1° 82	65	64	SW	2	W	1	2	1
20	30° 24	30° 11	46° 4	47° 5	39° 5	59° 4	3° 3	3° 5	2° 42	2° 48	78	76	WSW	2	WSW	3	7	3
21	29° 94	29° 82	50° 3	50° 2	46° 0	57° 1	3° 3	3° 4	2° 42	2° 80	66	78	W	3	W	1	8	4
22	60	36	50° 6	47° 7	47° 6	52° 7	2° 0	0° 9	3° 18	3° 09	86	94	SW	3	W	2	10	4
23	29° 23	29° 07	50° 7	43° 8	40° 8	55° 3	3° 5	2° 4	2° 84	2° 34	77	81	SW	3	SW	3	9	7
24	28° 90	28° 97	49° 3	42° 2	39° 9	55° 0	4° 8	1° 0	2° 42	2° 47	69	92	SW	3	Calm	0	3	10
25	29° 13	29° 35	43° 8	39° 6	37° 5	48° 9	2° 6	2° 4	2° 39	1° 90	80	81	NNW	2	NW	1	10	6
26	47	56	38° 7	38° 4	30° 3	48° 9	1° 8	2° 5	2° 00	1° 84	86	80	SW	3	SSW	2	6	6
27	58	59	43° 8	35° 2	34° 4	46° 1	5° 3	0° 8	1° 82	1° 90	63	92	SW	3	Calm	0	4	1
28	59	69	43° 8	38° 4	31° 3	46° 1	3° 7	2° 8	2° 09	1° 73	78	57	SW	3	W	1	7	1
29	77	74	46° 7	39° 3	28° 7	52° 9	6° 7	1° 6	1° 84	2° 09	57	88	WNW	2	Calm	0	1	6
30	29° 88	29° 88	45° 6	37° 7	31° 1	51° 4	3° 6	0° 6	2° 28	2° 14	75	95	NW	1	Calm	0	6	1
31	29° 97	30° 01	45° 0	40° 7	26° 7	51° 5	2° 4	2° 2	2° 45	2° 10	82	83	SE	1	Calm	0	6	9
Mean	29° 860	29° 869	45° 4	40° 4	34° 6	50° 8	3° 9	2° 2	2° 23	2° 09	73° 1	82° 7	2° 3	1° 0	5° 9	4° 1	1° 455	T 9a, ~~~~ a. Bright p.

SWANBISTER.—MAY 1887.

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

Long. 58° 9' W. Lat. 58° 56' N.																		
Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	49°0	45°0	41°5	51°7	2°5	1°2	in.	in.	90	90	WSW 4	SSW 1	7	10	ins.	
2	29°89	29°82	49°0	45°0	41°5	51°7	2°5	1°2	287	271	83	91	WSW 4	SSW 1	7	10	020	
3	72	70	48°3	44°2	42°3	50°6	2°5	3°0	278	226	83	77	SE 1	SSE 2	2	8	—	
4	56	56	47°2	42°4	40°1	48°8	4°7	2°1	222	227	69	84	SSE 2	SE 0.5	3	5	040	
5	57	62	43°5	41°0	38°0	46°6	4°3	1°5	196	225	68	88	NE 3	ESE 1	10	4	—	
6	67	75	45°2	45°0	37°6	49°8	2°4	1°2	247	271	83	91	SE 3	ESE 1	10	8	—	
7	84	90	48°6	44°0	41°6	49°2	3°3	1°8	265	248	77	86	SE 3	SSE 3	1	3	010	
8	95	95	47°8	46°2	41°7	56°3	1°0	1°3	307	283	93	91	S 0.5	SW 1	10	8	—	
9	95	98	54°2	43°5	43°0	58°1	2°2	1°2	358	256	85	90	SW 3	WNW 3	10	10	080	
10	30°02	29°99	46°7	45°4	42°8	50°1	2°7	1°3	257	273	81	91	W 3	W 4	7	7	120	
11	30°08	30°03	47°0	44°0	42°6	51°8	1°0	1°7	298	250	93	86	W 3	NW 1	9	5	060	
12	30°05	27	45°9	39°0	38°6	47°8	1°5	4°2	275	101	90	69	NNE 1	N 4	10	6	010	
13	33	32	41°8	43°0	36°1	48°1	4°8	1°0	175	255	67	92	NNW 3	W 1	9	10	090	
14	27	28	50°6	48°0	42°0	51°9	1°0	0°3	343	327	93	98	WNW 3	W 2	10	10	010	
15	28	23	53°0	49°5	46°6	56°4	3°0	3°1	322	279	80	79	W 4	W 3	3	3	—	
16	30°19	30°05	51°7	46°8	46°0	56°3	1°3	0°3	349	314	91	98	W 3	SE 2	10	8	—	
17	29°79	29°75	51°7	45°5	42°5	54°3	2°2	1°7	327	266	85	88	SSE 4	W 1	1	7	040	
18	73	54	49°0	46°4	41°0	53°4	3°8	1°9	259	271	74	87	W 3	S 1	5	10	050	
19	56	28	45°5	39°3	37°2	48°3	4°4	2°0	207	199	70	84	W 5	WNW 5	7	9	030	
20	20	14	43°8	40°5	33°4	46°4	4°6	5°0	193	161	67	64	NW 4	NW 6	9	10	120	
21	04	45	45°2	39°3	38°7	48°8	1°1	1°1	275	219	92	92	NW 4	WSW 1	10	10	010	
22	61	80	45°6	41°4	38°7	49°7	2°2	0°8	256	244	84	94	NW 3	NW 3	3	10	—	
23	29°85	29°98	47°7	46°9	39°3	52°4	2°7	3°0	267	252	81	79	WNW 3	WNW 2	10	5	120	
24	30°06	30°21	49°0	50°0	39°3	52°6	0°1	0°5	345	348	99	97	W 4	WNW 4	10	10	010	
25	28	35	52°8	50°5	43°0	58°7	0°5	0°5	386	355	96	97	NW 4	N 2	10	10	040	
26	38	35	51°5	51°0	48°6	51°5	1°5	0°7	342	356	90	95	NNE 1	N 2	10	9	010	
27	28	24	47°4	48°0	44°3	53°4	0°6	5°0	312	224	96	67	NNE 4	NNE 5	10	8	—	
28	18	11	50°8	44°7	42°2	54°4	4°2	3°0	270	230	73	78	N 4	N 3	1	9	—	
29	08	09	48°8	44°6	42°2	49°6	4°6	3°3	241	224	69	76	NNE 6	NE 2	5	10	—	
30	10	12	48°9	42°3	40°0	50°6	5°0	1°8	234	232	68	87	NE 1	SE 1	6	3	—	
31	30°12	30°10	47°4	45°0	40°8	50°9	1°4	1°4	293	266	90	89	SE 1	E 1	10	10	—	
Mean	29°914	29°932	48°3	44°8	41°1	51°7	2°6	1°9	279	257	81°9	86°0	3°0	2°3	7°6	7°9	1°870	

DUNROBIN CASTLE.—MAY 1887.

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.

[illegible]

BRAEMAR.—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	43°	41°	29°	54°	6°	2°	158	209	55	81	N	0°	NW	0°	4	2	ins.	Fair and clear.
2	55	52	45°	40°	20°	47°	6°	2°	181	259	60	81	S	1	SW	0°	7	4	—	Fair a. Dull p.
3	54	39	40°	38°	20°	40°	8°	2°	197	199	77	85	S	0°	N	0°	7	6	—	Cloudy.
4	58	43	42°	40°	20°	52°	4°	3°	191	180	70	72	N	0°	S	1	4	7	—	Fair, but cold.
5	50	61	40°	40°	35°	53°	6°	2°	192	198	62	78	S	0°	S	1	5	2	—	Fine day.
6	70	78	45°	42°	32°	49°	7°	5°	230	225	65	83	S	2	S	1	5	7	—	Fine day.
7	82	90	47°	46°	33°	56°	5°	3°	274	236	84	76	S	0°	SW	1	8	4	—	Fine day.
8	88	87	53°	51°	45°	57°	4°	4°	303	273	74	73	SW	4	SW	2	8	8	030	
9	92	90	45°	42°	39°	52°	4°	3°	224	208	73	76	SW	1	SW	4	7	7	020	● showers.
10	91	93	48°	44°	42°	50°	4°	4°	249	212	73	72	W	2	SW	4	8	7	010	● showers.
11	84	28°	47°	46°	41°	52°	4°	1°	239	287	73	93	W	2	NE	0°	7	8	050	● showers.
12	28°	29°	48°	38°	36°	52°	3°	2°	266	194	77	82	N	0°	NE	2	7	7	080	● showers.
13	29°	20°	37°	41°	33°	48°	3°	5°	157	186	72	72	NE	2	E	0°	6	10	040	Clear and cold.
14	17	30	49°	40°	38°	56°	4°	2°	180	305	83	88	NW	0°	NW	0°	9	8	—	Dull and mild.
15	17	20°	56°	53°	42°	62°	6°	7°	209	290	63	71	NW	0°	W	1	3	10	—	Sultry.
16	29°	28°	57°	51°	44°	61°	5°	3°	323	292	68	78	SW	0°	SW	1	3	2	—	Fine day.
17	28°	65	56°	45°	43°	60°	7°	2°	261	247	57	81	SW	6	SW	1	6	9	010	Cold day.
18	62	47	50°	48°	37°	56°	7°	8°	203	173	56	51	W	2	SW	2	4	3	020	Clear and cold.
19	32	16	45°	40°	40°	51°	6°	2°	183	175	60	70	NW	0°	SW	0°	8	9	050	* ⁰ showers.
20	02	14	36°	35°	33°	51°	3°	4°	151	132	70	65	N	6	NW	0°	10	2	—	Cold and stormy.
21	09	31	40°	37°	32°	52°	5°	2°	156	173	62	78	NW	1	W	8	9	10	600	Cold, with ✕.
22	53	72	41°	40°	34°	48°	5°	2°	205	215	79	87	N	2	N	0°	8	2	010	Bright and cold.
23	72	28°	49°	47°	28°	57°	5°	4°	237	225	67	69	W	2	N	0°	3	6	010	Fair and clear.
24	28°	29°	56°	55°	45°	61°	3°	3°	345	353	76	80	NE	0°	W	0°	7	9	—	Dull and warm.
25	29°	15	53°	50°	45°	64°	2°	1°	336	318	82	77	N	4	E	2	9	10	180	Dull and warm.
26	19	20°	54°	52°	49°	54°	5°	3°	278	317	66	80	SE	0°	E	0°	2	8	—	Dull and warm.
27	29°	28°	54°	47°	45°	60°	6°	1°	270	263	64	81	NE	2	E	2	4	3	—	
28	28°	90	42°	44°	38°	58°	2°	2°	232	232	85	79	E	4	N	4	10	8	—	
29	87	92	44°	41°	38°	51°	4°	2°	200	209	69	80	E	4	E	0°	5	9	—	
30	92	95	45°	48°	39°	52°	2°	4°	250	249	82	73	E	0°	S	0°	9	1	—	
31	28°	28°	54°	49°	33°	61°	8°	4°	225	258	53	73	S	2	S	2	1	3	—	
Mean	28°	28°	47°	45°	37°	54°	4°	3°	234	235	69°	77°	1°		1°	6°	6°	1°	110	

LAUDALE.—MAY 1887.

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

1	30°06	29°59	44°7	44°8	32°6	48°8	3°5	3°6	*221	*220	74	WSW	1	S	1	10	10	—	Cuckoo first heard.	
2	29°76	74	45°9	49°4	43°7	52°2	2°1	1°4	*263	*317	86	NE	2	Calm	0	10	10	—	Cloudy, threatening, and cold.	
3	°66	°58	49°9	46°9	30°6	60°9	3°7	2°5	*270	*263	75	S	1	Calm	0	3	5	*010	● ⁰ showers.	
4	°56	°60	49°9	48°3	30°0	64°5	4°9	3°4	*246	*259	68	E	1	E	2	5	5	*010	● ⁰ showers. Clouds red to WNW.p.	
5	°68	°75	50°2	50°9	42°6	66°9	4°3	4°9	*261	*256	72	69	E	3	E	1	4	10	—	Fine a. ∞ p.
6	20°84	20°91	51°2	53°0	43°3	61°0	3°6	4°1	*288	*297	77	74	E	3	ESE	1	8	10	*040	Bright a. ∞ p. Cold wind.
7	30°14	30°16	55°4	51°0	48°2	58°8	5°2	2°1	*304	*321	69	85	SSE	1	NW	1	7	10	*030	Gloomy at night.
8	°18	°14	54°0	46°1	46°1	56°0	1°8	0°1	*366	*310	87	99	WSW	5	W	3	8	10	*200	● ⁰ showers. ☼ ⁰ (mist) p. [p.
9	°19	°23	50°2	49°0	44°0	53°9	3°2	3°0	*284	*276	79	79	W	5	W	5	8	10	*140	☼ ⁰ (gale force at times). ☼ ⁰ (mist)
10	°24	°24	50°2	49°6	47°0	55°9	3°0	1°7	*286	*313	80	88	WNW	6	SW	3	10	100	*300	☼ ⁰ (gale), ● ⁰ showers, ☼ ⁰ (mist).
11	°05	°11	47°3	50°0	44°8	54°0	0°8	1°0	*307	*334	95	93	SSE	2	NW	1	10	10	*350	☼ ⁰ (mist) ● ⁰ a.
12	°20	°30	50°3	46°0	45°9	61°9	3°1	0°5	*288	*299	79	97	N	2	NE	2	9	10	*020	Large ☼ ⁰ S.e.p.
13	°38	°43	45°9	46°0	40°0	52°4	5°6	4°0	*196	*225	63	73	NE	2	NE	2	3	8	—	Fine, but cold.
14	°45	°44	49°5	51°0	45°1	61°1	1°1	3°0	*325	*299	92	80	NNW	2	NE	1	10	10	—	☼ ⁰ (mist) a. Warm p.
15	°42	°39	55°0	50°7	48°5	61°2	2°8	2°5	*354	*307	82	83	N	1	NNW	1	9	2	—	Dull a.
16	30°29	30°15	56°0	51°9	42°9	59°8	4°8	2°9	*322	*311	71	81	E	1	SSW	1	4	10	—	Fine a. Dull at night.
17	29°50	29°88	53°2	47°0	41°9	60°0	2°2	2°8	*344	*257	85	80	SSW	1	SW	2	10	10	*170	● ⁰ showers all day.
18	°87	°70	48°0	49°0	41°0	54°7	3°0	3°1	*263	*274	79	78	SW	2	W	2	6	10	*530	● ⁰ showers a. Dull day.
19	°57	°33	45°2	42°0	41°0	50°2	3°2	3°0	*231	*207	77	78	S	4	E	1	5	10	*020	☼ ⁰ showers.
20	°34	°38	44°0	38°0	37°6	51°0	4°8	1°0	*191	*208	66	91	NW	6	W	3	8	10	*500	☼ ⁰ (mist) all day.
21	°41	°64	38°0	44°0	38°0	49°8	1°0	1°0	*218	*265	93	92	W	2	W	4	10	9	*080	☼ ⁰ (mist) all day.
22	29°81	29°91	47°9	45°0	43°0	47°9	5°0	3°1	*224	*231	67	77	W	4	W	1	7	8	*010	Fine all day. ☼ ⁰ (mist).
23	30°01	30°12	46°9	49°9	40°8	56°4	1°1	1°9	*295	*310	93	87	W	3	NW	1	8	10	—	☼ ⁰ (mist) a. and p.
24	°24	°33	53°0	51°0	40°0	57°0	1°3	0°8	*366	*353	91	94	Calm	0	Calm	0	10	10	—	☼ ⁰ (mist) all day.
25	°36	°35	56°7	56°6	50°0	61°0	1°8	3°3	*406	*365	88	79	N	3	NE	1	9	3	—	☼ ⁰ (mist) early a. [warm at times.
26	°38	°36	56°2	53°0	52°7	61°8	4°0	1°8	*342	*352	75	87	NE	1	Calm	0	9	2	—	Threatening appearance a.
27	°26	°19	57°7	52°2	48°7	63°3	4°8	2°5	*343	*326	72	83	E	4	E	2	5	2	—	Fine all day.
28	°12	°11	53°0	51°0	42°6	62°8	5°5	4°0	*267	*276	67	74	E	5	NE	1	1	1	—	Fine and bright.
29	°08	°06	51°9	47°9	39°9	59°5	5°7	4°6	*251	*231	65	70	E	5	E	2	4	1	—	Fine, but cold all day.
30	°09	°13	49°7	45°4	39°6	57°9	4°4	2°2	*253	*286	71	84	E	1	ENE	2	10	3	—	☼ ⁰ (mist) a. Day fine.
31	30°14	30°10	57°9	50°9	39°6	64°4	5°4	2°0	*331	*309	69	86	E	1	Calm	0	3	2	—	Fine and bright all day.
Mean	30°018	30°021	50°5	48°7	42°6	58°0	3°4	2°5	*287	*286	77·6	82·7	2·5	1·5	7·2	7·6	2·150			

DUNDEE.—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
								Dep. of Wet.			Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	49.4	42.4	34.0	50.9	0.5	0.9	in.	in.	0.9	0.9	0.9	0.9	NW	1	NW	1	ins.	Fine day.
2	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	SE	1	—	— in past n.
3	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	SE	1	—	Dull day.
4	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	SE	1	—	Dull day.
5	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	SE	1	—	Fine day. — at night.
6	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	SE	1	—	Fine day. — at night.
7	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	SE	1	—	Dull till 1 p. — at night.
8	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	W	1	W	1	—	Dull day.
9	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	W	2	SW	2	—	Dull day. Fresh wind 1 p.—6 p.
10	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	W	2	SW	6	—	Fine day. 11 a.—6 p.
11	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	W	2	SW	6	—	Dull day. Fresh wind from 11 a.
12	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	W	1	E	1	—	Dull day. — from 6 p.
13	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NW	1	NE	6	—	— showers till 6 p.
14	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NE	6	SW	1	—	Fine day. — at night.
15	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NE	6	SW	1	—	— showers till 7 a. Dull day.
16	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	S	1	SE	1	—	Dull day.
17	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	SE	1	—	Fine day.
18	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	S	1	NW	4	—	Dull from 11 a. — 9 p.
19	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	S	1	NW	4	—	Cloudy.
20	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NW	1	W	2	—	300 Cloudy. — 6 a. and 1 p.
21	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	N	8	W	2	—	— till 7 a. (gale) till 6 p.
22	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	W	1	NW	6	—	4 p.—6 p. — 2 n.
23	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NW	4	NE	1	—	Cloudy.
24	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SW	1	NE	1	—	Fine day.
25	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	NE	1	—	Dull day.
26	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	N	1	NE	4	—	Dull, with — showers. 11 a.—4 p.
27	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	SE	1	NE	4	—	Fine day.
28	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NE	6	NE	2	—	Fine day.
29	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NE	1	NE	6	—	Fine day. 1 p.—4 p.
30	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NE	6	NE	1	—	Fine day. — till 8 p.
31	29.90	29.74	49.4	42.4	34.0	50.9	0.5	0.9	2.33	2.22	62	91	93	93	NE	1	NE	1	—	Dull day.
Mean	29.849	29.854	51.2	46.2	41.2	58.1	4.1	2.1	2.80	2.68	74.1	85.3	2.0	2.1	6.5	8.3	0.730			Dull till 1 p., then fine.

GLASGOW.—MAY 1887.

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

1	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine and sunny.
2	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Overcast.
3	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Dull and overcast.
4	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine and sunny.
5	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine day.
6	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine day.
7	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine and sunny.
8	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Cloudy, with squally.
9	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Cloudy, with squally.
10	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Cloudy, with squally.
11	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Overcast.
12	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Squally.
13	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine and sunny.
14	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Overcast.
15	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Dull and cloudy.
16	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Threatening.
17	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Sunny at times.
18	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	2 a. Squally.
19	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Dull and threatening.
20	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine day.
21	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine and sunny.
22	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine day.
23	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Dull and threatening.
24	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Sunny at times.
25	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine day.
26	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Sunny.
27	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Sunny.
28	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Sunny.
29	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Sunny.
30	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Sunny.
31	29.91	29.73	46.7	42.5	36.4	55.1	4.1	3.9	2.29	1.95	72	73	SW	3	SW	1	4	8	—	Fine and sunny.
Mean	29.843	29.839	50.9	48.3	43.1	57.9	4.6	3.0	2.66	2.71	71.3	79.9	1.7	1.9	7.0	8.5	1.117			

WOLFELEE.—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	47°	36°	31°	49°	0°	4°	1°2	225	189	71	89	SW	SW	—	—	ins.	Fine day.
2	29°44	29°30	46°	39°5	26°0	51°5	5°4	2°3	200	198	65	82	S	SW	—	—	—	Fine a. Cloudy p.	
3	29°00	28°06	42°	35°	35°0	52°0	2°4	1°2	218	180	82	88	NE	NE	—	—	—	Dull a. Fine p.	
4	28°50	29°03	40°	38°5	31°5	49°5	4°4	4°7	218	150	71	64	E	E	—	—	°020	Fine and bright a. Cold and blowy p.	
5	29°13	29°18	40°	40°	26°0	51°0	0°9	4°9	228	160	93	68	E	SE	—	—	—	Dull a. Fine p.	
6	27	35	50°	43°	35°0	54°0	5°4	2°9	237	217	66	79	SSE	SSE	—	—	—	Very fine day.	
7	45	58	51°	46°	38°0	59°0	3°9	1°9	278	267	75	87	SW	SW	—	—	—	Fine and mild.	
8	62	56	50°	48°	41°4	61°8	4°6	1°9	326	287	72	87	SW	SW	—	—	°020	Dull and blowy.	
9	60	62	53°	45°	46°4	60°5	0°9	2°9	377	235	94	79	W	W	—	—	°020	Fine and mild.	
10	62	60	52°5	48°	41°4	62°0	6°4	5°4	244	217	62	65	W	W	—	—	—	Blowly a.	
11	51	43	47°	46°	42°4	56°5	1°9	2°4	277	257	87	83	W	W	—	—	°020	☉ a. Dull p.	
12	50	59	51°	42°	43°4	54°5	3°4	2°4	290	218	78	82	NE	NE	—	—	—	Dull and mild a.	
13	74	76	40°2	32°	34°0	60°0	3°9	1°7	175	143	70	78	NE	NE	—	—	°040	Dull, cold, and blowy a. Fine and	
14	80	75	44°	40°	26°5	50°5	2°4	0°6	236	317	81	95	NW	NE	—	—	°050	☉ early a. Dull p. [clear p.	
15	74	70	54°	51°	41°9	55°0	3°4	2°4	324	313	78	84	ENE	E	—	—	—	Fine and mild.	
16	65	51	58°5	50°	45°4	62°5	2°4	3°4	447	278	85	78	NE	S	—	—	—	Very fine. ☉ ² .	
17	33	23	58°0	52°	37°2	68°5	5°4	2°6	332	320	86	82	W	W	—	—	°090	Very fine. ☉ ² .	
18	29°24	29°16	50°	47°	40°9	70°0	5°4	5°4	237	245	66	77	N	W	—	—	—	Fine day.	
19	28°56	28°72	51°2	41°	39°4	61°5	5°8	1°4	242	227	64	89	NW	S	—	—	°340	☉ showers early a. Fine during day.	
20	51	83	37°	37°	34°0	58°0	1°2	1°2	196	196	89	89	N	NW	—	—	°010	☉ ☉ ☉ (sleet) a. [☉ n.	
21	28°80	28°04	41°5	41°	33°0	48°0	2°9	2°7	204	202	78	79	W	WNW	—	—	°010	Cold and blowy a. Dull and cloudy p.	
22	29°08	29°26	44°	42°5	35°0	52°5	4°9	3°9	190	195	66	73	W	N	—	—	°030	Cold and blowy a. Fine p.	
23	34	44	50°	50°	29°0	50°8	6°4	2°4	219	300	61	84	NW	WSW	—	—	—	Fine day.	
24	56	63	59°	54°	43°4	63°0	4°4	2°4	370	350	74	84	NW	NE	—	—	—	Fine and mild a. Dull and mild p.	
25	66	67	54°	46°	49°4	66°8	1°4	0°4	377	299	90	97	NE	NE	—	—	°216	Dull, with ☉ ⁰ .	
26	75	68	47°	47°	40°9	54°5	2°4	2°4	266	266	83	83	ENE	N	—	—	°020	Fine and clear.	
27	54	52	49°	45°	34°0	60°0	1°4	1°4	312	266	90	89	N	NE	—	—	°060	Dull and damp.	
28	48	45	44°	46°	39°4	50°	1°4	1°9	257	267	89	87	NE	N	—	—	—	Dull and mild.	
29	38	42	44°	43°	39°9	51°0	3°4	1°4	216	247	75	89	N	NE	—	—	—	Dull, cold, and blowy a.	
30	48	53	47°	44°	40°4	47°8	3°9	1°4	235	257	74	89	NE	E	—	—	—	Dull and mild a. Fine p.	
31	29°55	29°50	53°	48°	37°3	62°5	5°4	4°9	260	226	67	68	E	E	—	—	—	Fine and clear.	
Mean	29°382	29°386	48°6	44°2	37°4	56°6	3°6	2°4	264	242	76°3	82°2	—	—	—	—	—	°°940	

CRONKBORNE (DOUGLAS), ISLE OF MAN.—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
								Dep. of Wet.			Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.		
1	ins.	ins.	47.4	35.0	33.8	50.4	3.0	1.2	in.	in.	79	88	S	1	N	1	6	0	ins.	Fine day. ☀ at night. ☁	
2	29.98	29.79	47.4	42.7	44.9	31.2	47.0	3.0	2.9	213	234	78	79	E	2	ENE	2	10	10	0.03	☀ a. Dull day. ☁ (mist) p.
3	63	54	42.7	44.9	38.9	50.0	1.6	1.0	237	217	88	92	ENE	3	NW	2	9	4	—	Dull a. Fine afternoon. ☁ p.	
4	49	45	42.4	38.9	38.9	50.0	1.6	1.0	237	217	88	92	ENE	3	NW	2	9	4	—	Dull a. Fine afternoon. ☁ p.	
5	46	51	45.0	39.8	38.1	50.7	2.0	1.8	253	209	85	86	SE	1	Calm	0	10	0	—	Dull a. Fine afternoon. ☁ (9p. (mist) all day.	
6	60	64	45.8	47.4	35.0	51.3	1.4	2.1	276	277	92	85	SE	3	E	3	10	0	—	☁ (mist) all day.	
7	29.75	29.82	47.6	47.0	43.8	52.5	2.2	1.2	277	293	85	92	E	4	Calm	0	2	10	—	☁ (mist) all day.	
8	30.00	30.12	52.0	49.8	43.2	58.0	2.1	2.3	333	300	85	84	S	2	NW	3	8	7	—	Fine day. ☁ p.	
9	19	15	54.7	49.0	42.3	56.1	4.0	0.8	321	327	75	94	SSW	4-5	Calm	0	8	10	0.01	Fine a. Dull, with ☁ (mist) p.	
10	17	22	52.2	48.0	46.8	58.9	1.5	3.0	350	263	90	79	WNW	4	WNW	2	8	1	—	Fine day. ☁ p.	
11	25	21	53.8	48.1	45.6	58.4	4.5	2.1	297	284	72	85	WNW	4	N	2-3	3	6	13.0	Very fine day. ☁ (mist) p.	
12	07	02	48.0	49.2	45.2	53.3	0.3	0.6	327	335	98	96	SW	4	SW	2	10	10	0.27	Overcast, with ☁ showers. ☁ p.	
13	09	09	49.3	47.5	46.7	55.0	2.0	1.1	301	302	86	93	NNW	4	NNE	4	9	8	—	Dull a. Fine p.	
14	25	27	46.3	42.2	37.8	52.0	5.0	0.8	209	252	67	93	NE	4	WNW	1	2	2	—	Very fine day. ☁ p.	
15	34	28	47.9	51.0	40.5	54.9	2.0	0.5	284	361	86	97	E	3	NNW	4	10	10	—	Dull day.	
16	27	21	51.7	52.6	47.3	58.4	1.3	1.8	349	348	91	88	WNW	2	N	1	10	2	—	Dull day.	
17	30.15	30.03	54.9	54.1	47.1	62.8	3.8	4.1	328	309	77	74	ENE	2	NNW	2	10	3	—	☁ a. Dull day.	
18	29.88	29.76	59.3	47.8	43.9	62.8	0.6	1.8	486	288	96	87	SW	2	NNW	4-5	1	10	0.38	Fine during day. ☀ 6.30p.	
19	81	72	53.4	49.5	43.6	57.0	3.6	1.7	313	211	77	89	N	4	WSW	3	6	9	19.1	Fine during day. ☀ at night.	
20	55	02	51.9	48.1	45.3	52.7	3.0	0.0	309	337	80	100	WNW	3-4	SSE	4	3	10	8.84	Fine a. ☁ p. ☁ (force 7) n.	
21	18	47	42.9	43.1	39.4	48.8	4.1	2.6	195	224	71	80	NW	7-8	WNW	6-7	10	9	0.05	Fine, but with squally ☁ (9p. (force 7) n.	
22	39	56	45.3	45.0	39.9	49.9	2.9	2.9	239	235	79	79	WNW	6-7	NW	6-7	4	10	0.37	Squally ☁ showers.	
23	71	29.80	48.4	45.4	43.6	52.3	3.4	1.7	260	264	77	88	NNW	4-5	NW	2	5	9	—	Fine, but with squally ☁ a.	
24	29.02	30.01	49.4	50.0	40.1	54.7	1.8	0.0	307	361	88	100	WNW	4	NW	4	9	10	0.98	Dull day. ☀ from 5p. ☁ (mist) p.	
25	30.13	15	56.2	51.0	49.1	58.6	1.8	0.2	399	369	88	99	NW	3-4	NNW	4	9	10	—	☁ a. Dull day.	
26	16	15	62.0	52.2	48.6	65.3	5.7	1.8	380	342	69	88	NE	2	NE	3-4	9	10	—	Squally ☁ a. Very fine, with fresh breeze. ☁ 9p.	
27	22	30.17	54.2	52.8	46.4	61.0	4.4	2.5	304	333	72	83	E	4-5	N	1	0	4	—	Fine, but with squally ☁ a. ☁ 9p.	
28	30.01	29.93	56.5	51.0	45.1	60.8	3.8	1.0	351	348	77	93	NE	6	NE	4-5	4	10	0.20	Very fine, but squally ☁.	
29	29.87	87	53.4	50.0	46.7	59.0	3.1	3.0	325	286	80	80	NE	6	NE	7	1	2	—	Overcast a.	
30	86	87	46.9	48.6	44.8	53.7	1.2	1.8	292	298	82	88	NE	2	NE	3	10	9	—	Fine day.	
31	29.93	96	51.5	54.5	45.9	59.5	3.0	2.7	305	350	80	83	ESE	4	E	2-3	3	10	—	Squally a. Dull day.	
31	30.01	29.94	53.4	51.4	49.6	61.4	4.4	3.2	295	299	72	79	E	5	E	3	9	3	—		
Mean	29.913	29.894	50.5	47.9	43.1	55.7	2.8	1.7	302	295	81.6	87.8	3.6	2.9	6.7	6.7	1.712				

STONYHURST.—MAY 1887.

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

1	29.76	29.58	48.2	44.1	37.2	50.0	4.2	4.6	241	196	72	67	SW	1	Calm	0	8	10	—	Sunny till 9a., then overcast.
2	39	29	44.1	41.2	38.9	49.7	4.8	2.9	192	201	66	78	ENE	2	NE	2	10	10	100	Overcast.
3	23	22	41.7	41.8	38.9	47.1	1.7	2.0	228	225	87	85	NE	1	NE	1	10	9	—	Overcast and gloomy.
4	22	29	46.3	43.5	32.0	50.0	4.2	2.2	224	235	72	82	NEbyN	1	NEbyN	1	8	10	—	Cloudless early a. Overcast and ugly p.
5	39	44	44.0	45.5	40.0	50.6	2.8	2.6	228	247	78	81	EbyN	1	EbyE	1	10	10	—	Overcast and gloomy.
6	55	64	47.2	47.1	40.0	54.4	3.2	3.0	251	254	78	79	E	2	EbyS	1	9	10	—	Overcast and gloomy a. and p. Fine
7	76	93	47.0	45.0	40.9	55.7	2.5	1.0	264	275	83	92	Calm	0	swbys	1	10	0	—	Fine and sunny p. [and sunny mid-day
8	99	96	55.3	50.2	39.3	62.1	4.1	1.7	328	320	74	89	WbyS	2	WSW	1	1	10	107	Fine and sunny.
9	94	98	48.8	46.8	45.8	58.6	0.7	2.2	327	268	95	84	WSW	2	WbyN	1	10	3	—	Overcast and ugly a. Fine and sunny p
10	99	95	51.0	46.0	40.6	54.9	4.2	1.3	272	280	73	91	WbyN	3	WSW	1	10	10	060	☁ a. Fine and sunny.
11	85	72	47.0	49.0	44.2	50.6	2.8	0.7	257	330	80	95	W	2	ENE	1	10	10	240	Overcast, with ☁.
12	77	29.79	54.1	47.9	47.0	57.5	3.7	1.9	319	286	76	87	Calm	0	NEbyN	1	9	10	—	
13	29.95	30.02	42.3	41.5	38.0	49.4	5.3	4.4	172	179	64	69	NbyE	2	Calm	0	9	0	—	Fine and sunny. Cold p.
14	30.07	30.03	47.3	49.0	36.3	54.7	5.3	2.1	212	296	65	85	NbyE	1	Calm	0	10	10	—	Fine a. Overcast p.
15	30.02	29.96	52.2	51.1	45.9	57.0	3.2	3.1	308	298	79	79	ENE	1	Calm	0	10	10	—	Overcast and gloomy.
16	29.90	79	56.2	50.5	47.6	62.0	5.1	3.4	316	283	70	78	EbyN	1	EbyN	1	10	3	—	Fine and sunny.
17	65	52	58.1	50.5	44.4	62.1	6.0	3.0	319	293	66	80	E	1	nwb.w1	1	8	0	040	
18	52	29.49	51.9	48.0	46.7	54.4	5.7	3.0	251	263	65	79	nwb.w2	1	W	2	6	10	665	Fine and sunny a. and p. ☁ 3.30p.
19	29.29	28.97	48.2	46.2	43.9	52.1	0.4	1.1	328	287	98	93	WSW	3	SbyE	3	10	10	1055	☁ a. Gloomy, squally ☁ 2 p.
20	28.78	29.20	37.0	41.4	36.7	52.0	0.8	4.3	204	180	95	69	nwb.w7	1	WNW	3	10	3	268	Gloomy, with squally ☁ 2 p.
21	29.16	26	43.0	42.9	36.9	48.0	2.7	3.7	221	202	80	73	WSW	4	nwb.w2	1	10	10	085	Squally, with ☁ 10a., then fine and ☁ 3p.
22	40	52	45.2	45.1	38.8	49.6	4.9	3.9	201	217	67	72	nwb.w3	1	nwb.w2	1	5	10	—	
23	66	75	49.9	48.0	35.0	54.9	5.0	1.4	245	299	68	90	W	3	WbyS	1	7	10	—	Fine and sunny.
24	86	89	54.1	53.5	46.1	62.6	2.2	0.5	356	395	84	96	W	1	Calm	0	10	10	120	Overcast, with ☁ p.
25	90	90	54.3	48.0	47.3	55.9	3.0	2.2	339	281	80	85	NbyE	1	EbyN	1	10	10	—	Overcast and gloomy.
26	93	91	51.5	46.2	43.3	58.7	3.6	2.2	292	263	76	85	NE	3	NEb.E	1	4	10	—	Fine, sunny, and breezy.
27	72	66	53.3	49.2	43.8	58.3	3.8	2.1	308	298	75	86	NNE	2	NE	1	10	10	—	Overcast.
28	61	64	51.1	47.8	45.0	58.9	3.1	2.8	298	265	79	80	NNE	3	NEb.E	1	9	6	—	Fine and sunny. Warm p.
29	61	64	48.2	44.7	41.1	51.4	4.2	2.2	241	247	72	84	NE	2	ENE	1	9	10	—	Fine and sunny.
30	68	74	51.2	47.8	43.1	58.0	4.3	0.9	272	311	72	93	ENE	1	ENE	1	3	10	—	
31	29.77	29.73	57.7	50.1	46.7	62.1	6.7	3.1	298	265	62	79	NEbyE	2	NE	1	0	0	—	Fine and sunny.
Mean	29.655	29.658	49.3	46.8	41.7	54.9	3.7	2.4	268	266	75.8	82.7	1.9	1.1	8.2	7.9	2.750			

HILLINGTON.—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					
1	ins.	ins.							in.	in.	o/o	o/o	NE	3	E	2	4	4	ins.	
2	30°05	29°59	47°9	36°6	27°2	53°1	5°3	1°8	218	183	66	84	NE	3	E	2	4	4	—	⌈ a. Fine day. Much cir. p. ⌋
3	29°61	49	45°9	43°9	35°1	46°6	3°1	0°1	240	285	79	99	E	5	ESE	1	10	10	0°60	Overcast and gloomy.
4	49	49	49°7	43°7	42°7	55°4	1°1	0°7	328	269	92	94	NW	0°5	NE	2	10	10	0°07	Overcast, with ☉ showers a. Fair p.
5	49	54	44°1	44°5	41°1	48°3	1°3	0°7	259	277	89	95	E	1	SE	3	10	10	0°80	Overcast. Fine later. ⌈ p.
6	56	71	47°7	45°6	43°6	55°5	0°8	0°4	311	399	94	97	WNW	1	NE	2	10	10	—	Overcast nearly all day. ☉ 2p.—7p.
7	29°80	29°80	50°6	42°2	41°8	54°6	2°5	0°5	305	248	83	96	ENE	1	E	3	10	10	242	☉ 2p.
8	30°04	30°19	46°0	42°9	41°0	55°4	3°0	1°2	242	230	79	91	NE	1	NE	0°5	8	0	0°03	☉ 2p.
9	28	24	57°0	54°2	36°5	68°7	5°3	2°7	321	345	69	82	WNW	1	W	0°5	3	2	0°03	☉ 2p.
10	26	24	56°7	50°0	44°8	63°5	4°0	5°3	348	238	76	67	NW	3	NW	2	6	0	—	☉ 2p.
11	26	30°21	52°6	49°9	38°0	62°4	5°6	3°7	261	270	66	76	WNW	2	NW	1	5	0	—	☉ 2p.
12	16	29°08	52°4	50°1	43°5	55°4	4°4	0°4	283	352	72	97	NW	3	NW	0°5	10	0	0°37	☉ 2p.
13	04	30°03	52°5	41°9	44°0	56°5	4°9	0°7	274	281	70	95	NE	2	NE	1	8	8	188	☉ 2p.
14	09	21	44°2	42°1	37°0	50°4	4°4	1°4	200	238	50	89	N	4	NE	4	10	7	067	☉ 2p.
15	32	30	48°4	40°5	40°4	53°5	3°7	1°7	253	217	75	87	NE	4	NE	1	5	0	—	☉ 2p.
16	27	19	50°9	47°0	34°7	55°4	5°0	1°1	254	296	69	92	E	3	NE	3	2	10	—	☉ 2p.
17	30°10	30°04	53°9	46°0	45°0	56°4	1°7	0°3	367	304	88	98	NE	3	NE	2	6	10	—	☉ 2p.
18	29°07	29°81	48°2	47°9	43°0	58°5	1°3	0°7	305	316	91	95	NE	1	NE	1	10	10	018	☉ 2p.
19	74	30	53°4	45°9	44°8	55°6	2°3	1°1	245	284	85	93	W	2	N	0°5	10	8	090	☉ 2p.
20	73	39	50°0	47°7	40°0	58°5	3°1	0°5	349	349	79	98	SW	3	W	2	8	10	483	☉ 2p.
21	05	51	45°1	42°1	40°2	49°7	3°6	2°4	223	218	75	82	SW	7	W	3	10	6	036	☉ 2p.
22	56	58	46°1	36°9	34°0	51°4	4°2	0°3	221	214	71	97	W	4	W	1	8	6	003	☉ 2p.
23	65	29°87	46°7	40°1	29°5	53°9	3°1	0°4	248	239	79	97	NW	2	W	1	8	4	091	☉ 2p.
24	29°01	30°00	51°4	46°9	38°8	58°4	4°7	2°1	265	272	70	86	N	2	N	1	6	8	—	☉ 2p.
25	30°10	29°16	55°3	45°3	41°9	57°0	6°1	1°1	279	276	65	92	NE	3	N	1	8	10	008	☉ 2p.
26	18	10	50°1	44°9	44°3	53°5	2°6	2°0	297	253	82	85	NE	3	NE	3	10	4	—	☉ 2p.
27	30°11	30°09	56°9	47°8	44°2	61°7	3°1	1°8	371	288	81	87	NE	3	N	4	2	8	082	☉ 2p.
28	29°80	29°81	48°1	47°9	45°0	49°7	0°5	0°2	323	320	96	99	NE	4	NE	1	10	10	205	☉ 2p.
29	79	86	49°1	45°7	45°0	49°8	0°3	0°9	340	286	98	94	NE	1	NE	2	10	10	025	☉ 2p.
30	86	90	48°6	46°2	44°5	51°6	2°0	1°4	293	279	86	91	NE	3	NE	2	10	10	—	☉ 2p.
31	29°02	29°07	49°3	49°0	44°3	61°4	0°5	1°4	339	312	97	90	NE	2	NE	2	10	10	—	☉ 2p.
32	30°03	30°03	58°9	45°6	45°5	62°7	5°2	1°9	340	263	71	86	NE	4	ENE	3	2	5	—	☉ 2p.
Mean	29°014	29°018	50°2	45°4	40°7	55°6	3°2	1°3	289	275	79°4	90°7	2°6	1°8	7°7	6°9	1°812			

CARMARTHEN.—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	53.2	42.9	40.3	55.3	7.3	4.2	in.	in.	%	%	E	2	E	1	ins.	☉ Fine day.
2	29.90	29.85	53.2	42.9	40.3	55.3	7.3	4.2	.234	.193	58	70	E	2	E	1	.180	☉ all day.
3	45	34	37.5	43.4	37.0	45.5	0.8	0.8	.208	.263	93	94	NE	1	NE	2	4	5
4	35	32	49.7	46.6	41.2	55.7	3.0	1.7	.283	.277	80	88	N	1	N	1	10	10
5	35	44	44.8	46.3	43.9	49.4	2.1	1.8	.250	.272	84	88	E	1	W	1	10	10
6	55	55	52.1	45.8	40.1	58.2	3.5	1.8	.298	.267	77	87	SW	1	N	2	9	1
7	67	29.80	53.2	47.6	43.7	53.2	3.6	1.7	.311	.288	77	88	SE	2	W	1	10	10
8	29.98	30.17	57.4	42.9	41.4	60.4	6.3	0.4	.303	.267	64	97	SW	2	W	1	10	10
9	30.24	21	50.7	49.7	42.0	59.4	1.6	0.9	.329	.334	89	94	SW	2	S	1	6	5
10	21	22	52.0	49.0	48.6	60.1	1.1	1.6	.358	.307	92	89	SW	1	Calm	0	10	10
11	22	30.20	59.3	46.1	37.1	61.2	7.5	2.6	.302	.252	59	82	NW	1	Calm	0	2	0
12	10	29.99	59.0	54.5	37.9	59.4	6.2	2.2	.327	.362	65	86	W	2	SW	1	6	10
13	01	30.00	53.7	47.6	47.1	59.0	3.8	2.1	.313	.279	76	86	N	2	N	2	8	0
14	10	20	53.3	42.9	42.6	54.3	8.1	4.2	.221	.193	55	70	NE	4	N	3	6	0
15	22	20	55.0	48.3	36.4	55.3	8.1	2.8	.238	.271	56	81	Calm	0	N	3	0	10
16	15	30.10	50.5	52.9	45.8	59.4	5.2	3.3	.316	.315	70	79	N	1	Calm	0	10	10
17	30.02	29.93	58.8	52.0	47.2	65.9	6.2	4.4	.324	.278	65	72	E	3	NE	1	8	0
18	29.80	73	62.4	48.8	45.5	64.2	7.6	0.8	.339	.324	60	94	E	1	Calm	0	7	10
19	80	76	53.7	48.8	45.2	58.3	6.1	1.7	.263	.302	64	88	NW	2	W	2	3	10
20	60	17	52.9	51.4	45.4	57.3	2.3	0.0	.339	.379	85	100	W	2	SW	6	10	10
21	36	57	46.4	40.9	40.1	52.7	5.7	2.2	.197	.212	63	83	NW	5	N	1	8	1
22	50	56	48.3	44.6	36.6	51.7	5.1	3.1	.225	.228	67	77	NW	4	NW	3	8	1
23	70	29.79	51.7	45.3	40.3	54.3	5.7	0.8	.240	.284	65	94	NW	2	Calm	0	8	10
24	29.91	30.01	50.7	50.7	44.1	56.5	1.9	0.9	.322	.346	87	94	N	1	Calm	0	10	10
25	30.08	30.08	59.3	53.7	50.5	63.2	4.7	1.9	.366	.360	73	87	N	1	Calm	0	8	10
26	04	29.97	58.0	53.7	50.0	62.5	2.8	2.1	.399	.355	82	86	N	1	NE	2	10	10
27	30.01	30.02	55.3	54.7	44.4	62.9	5.2	5.3	.301	.292	70	68	E	3	NE	2	8	0
28	29.85	29.75	56.7	52.2	47.0	59.0	6.7	2.6	.287	.323	62	83	NE	1	NE	3	9	10
29	73	72	50.7	51.7	49.1	54.5	2.1	1.8	.316	.336	86	87	NE	1	E	2	10	10
30	71	72	53.7	54.0	44.5	60.2	4.9	8.0	.288	.361	70	86	E	3	E	1	10	10
31	79	82	52.7	52.3	51.9	62.4	3.8	2.0	.301	.339	76	86	E	1	E	2	10	9
Mean	29.846	29.830	53.6	49.1	43.8	58.0	4.7	2.2	.297	.298	72.2	85.1	1.8	1.5	7.8	6.8	1.730	☉ showers 1.30p. ☾ 6p. ☼ 6.30p.

MARGATE.—MAY 1887.

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

1	30°03	29°80	45°8	43°6	41°1	47°1	4°0	2°6	222	229	73	NE	2	NE	3	7	10	°00	Cold. ☁	
2	29°53	50	43°4	44°7	42°6	45°8	0°4	0°7	272	279	97	E	3	Calm	0	10	10	°10	Dull day. ☁	
3	52	40	49°9	46°7	42°1	58°0	1°2	0°7	328	302	92	E	1	Calm	0	6	0	—	Fine and sunny. ☁	
4	51	59	46°5	47°5	44°9	56°6	1°5	1°7	280	288	90	E	1	N	3	10	10	—	Fine and sunny.	
5	68	73	50°4	46°0	43°9	53°3	2°4	2°0	305	264	84	NE	1	E	1	8	3	—	Warm. ☁	
6	29°75	29°92	46°8	44°2	43°9	46°8	0°8	0°6	301	276	94	NE	1	N	2	10	10	440	☁ showers all day.	
7	30°05	30°22	44°8	45°5	43°1	52°6	2°0	0°7	252	288	85	N	2	Calm	0	10	0	—	Fine and sunny.	
8	32	31	53°2	53°1	42°1	64°7	3°6	3°3	311	317	77	NW	1	N	1	0	0	—	Fine and sunny.	
9	29	24	50°1	55°1	47°1	61°9	5°1	3°0	243	351	68	NW	1	W	1	10	2	—	☁ ga. Fine day.	
10	21	22	53°9	48°8	47°2	60°9	5°1	2°0	286	295	69	W	1	Calm	0	0	0	—	Fine day.	
11	15	06	53°7	50°6	47°0	55°7	4°7	1°8	203	322	71	88	Calm	0	W	1	8	10	°40	Fine day.
12	00	01	51°4	47°0	46°1	52°0	1°9	3°0	329	253	87	N	2	Calm	0	8	10	100	Dull a. Fine afternoon.	
13	05	12	45°0	45°0	42°1	49°5	4°0	2°8	215	238	72	N	2	N	4	8	7	100	☁ before ga. Dull, with ☁ showers.	
14	20	25	47°0	45°2	42°8	49°6	2°2	2°0	271	256	85	N	3	NNE	4	10	1	—	Sunny, but with cool ☁.	
15	22	30°14	48°0	44°6	43°8	50°0	3°0	1°8	264	254	79	86	NNE	3	NE	4	6	0	—	Cool ☁.
16	30°06	29°97	46°0	44°7	43°2	48°5	1°3	0°4	280	286	91	96	NNE	3	NE	3	10	10	°80	Dull, with ☁ showers.
17	29°93	83	48°0	48°7	44°1	55°5	2°0	0°9	286	321	86	94	N	1	Calm	0	7	10	°10	Warmer.
18	76	81	51°8	48°5	46°9	56°9	1°2	0°7	353	323	91	96	W	2	NNW	1	10	1	°50	☁ a. Dull, with ☁ showers.
19	79	61	49°9	50°1	43°0	57°9	3°7	0°4	270	352	76	97	SSW	4	S	4	10	10	°60	Fine day. ☁ in evening.
20	26	58	46°3	40°0	39°4	51°9	3°5	1°9	238	209	76	85	SW	5	W	4	10	2	°30	☁ all day. ☁ 3:30p.
21	67	58	47°9	37°8	36°0	55°0	5°6	0°3	213	221	65	98	SW	3	W	2	4	8	°50	☁ before ga. Dull day. ☁ 6p.
22	65	29°79	46°8	42°0	37°0	50°1	5°6	0°3	238	260	75	98	NW	3	NW	1	9	10	150	Fine day.
23	29°91	30°01	48°5	49°2	41°6	56°0	3°3	3°2	263	273	77	78	N	1	W	2	7	10	—	Fine day.
24	30°11	12	50°7	47°6	45°0	56°0	1°9	2°6	321	269	87	82	W	1	W	3	10	4	—	Fine but cool.
25	09	30°02	50°0	47°2	45°1	52°8	3°0	2°1	286	275	80	86	N	3	N	4	9	10	—	☁ before ga. Fine but cool.
26	30°03	29°98	52°5	50°3	46°6	54°7	2°3	3°1	334	287	84	79	NE	3	E	2	3	0	120	Dull day. ☁ p.
27	29°82	82	48°3	46°8	46°1	53°5	0°3	0°0	331	321	98	100	E	2	N	1	10	10	°10	Very fine.
28	82	83	51°9	52°5	45°9	59°6	2°6	1°6	319	352	83	80	NNE	1	N	1	10	10	°20	Dull day. ☁ ga.
29	83	91	49°6	46°8	46°0	53°2	2°0	0°6	305	305	86	95	N	3	E	1	10	10	100	Dull day. ☁ ga.
30	86	91	50°3	50°8	46°1	54°5	0°2	0°8	360	351	99	94	NE	1	NE	2	10	9	—	Fine afternoon. ☁ n.
31	29°98	29°94	54°3	51°4	49°1	55°8	2°1	3°4	362	295	86	78	E	2	NE	2	0	10	°40	Fine day.
Mean	29°905	29°910	49°1	47°2	43°9	54°1	2°6	1°6	288	287	82°7	88°4	2°0	1°8	7°7	6°4	1°600			

SOUTHAMPTON.—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	49.8	44.6	34.4	56.2	5.4	0.8	in.	in.	66	67	NE 3	NE 4	2	10	ins.	—
2	29.53	29.77	49.8	44.6	34.4	56.2	5.4	0.8	236	198	66	67	NE 3	NE 3	3	10	10	—
3	49	48	46.0	47.6	41.6	51.0	1.9	0.6	267	315	87	96	NE 3	SE 3	3	10	10	0.82
4	49	45	49.3	47.9	46.2	60.6	0.7	1.9	334	286	95	87	SE 2	WSW 2	10	10	10	0.02
5	49	55	49.8	47.8	42.4	51.7	2.7	0.8	290	312	82	94	SW 3.5	SW 2	10	10	10	0.38
6	69	68	50.0	50.4	41.8	62.1	2.9	2.5	288	303	81	83	WNW 0.5	SE 0.5	10	10	10	0.85
7	29.79	29.89	46.9	49.5	46.5	51.6	0.8	0.5	301	341	95	96	NE 0.5	NW 1	10	10	10	0.263
8	30.08	30.24	48.6	49.6	46.7	59.6	1.1	1.0	315	330	93	93	N 1	NW 0.5	10	0	—	—
9	35	34	61.1	53.6	41.9	69.4	6.2	2.7	355	338	67	81	NW 2	NW 2	10	0	—	—
10	34	30	55.9	54.1	48.1	68.2	3.9	1.5	341	376	76	89	NW 2	NW 2	10	0	—	—
11	33	26	61.2	54.5	42.8	69.1	7.9	3.2	316	337	58	79	NW 2	NW 2.5	2	0	—	—
12	21	10	50.6	53.2	44.0	63.1	4.5	2.9	335	328	73	81	NW 1.5	NW 2	10	10	10	0.10
13	05	04	57.9	52.1	51.7	64.5	5.8	1.8	321	322	67	87	NW 3.5	SW 2	8	8	—	—
14	15	22	51.6	45.9	43.7	54.6	6.4	2.3	235	238	62	83	NNE 4	NNE 4	7	4	—	—
15	28	28	50.6	47.5	38.1	59.2	4.9	3.5	254	248	69	76	NNE 4	NE 2	9	1	—	—
16	26	30.17	54.8	48.6	37.3	63.9	7.1	4.8	255	235	61	69	NE 3.5	NE 2	0	1	—	—
17	30.09	29.99	57.7	54.2	44.6	64.3	6.3	3.1	307	335	64	80	NNE 4	NE 2	1	2	—	—
18	29.95	29.88	51.0	50.6	47.4	55.2	2.5	1.8	311	323	83	88	E 0.5	SW 2	10	9	0.13	Overcast till 5 p.
19	82	88	53.6	49.6	48.4	60.2	1.5	3.4	369	273	90	77	W 2.5	NW 3	10	3	0.95	0. a. Beautiful p.
20	82	57	52.3	51.5	45.9	59.2	2.3	0.9	331	357	84	93	WSW 3	SW 6	10	10	2.38	[0.2 2 26 p.
21	43	68	48.6	42.6	42.1	53.1	5.1	2.5	230	221	67	82	NW 7	NW 3	8	9	0.56	0.2 / (force 8) a. / during day.
22	71	65	51.8	42.8	36.6	53.3	6.8	2.0	229	233	60	85	WNW 3	NW 2	8	1	0.48	Beautiful a. T 3 p. A 0 p.
23	77	29.85	52.7	47.7	37.9	59.1	7.3	3.9	230	243	58	74	NW 1	NW 3	8	10	1	—
24	29.99	30.08	54.1	51.8	38.9	62.3	5.7	2.9	274	312	66	80	N 2	NNW 1	8	5	0.08	Beautiful day.
25	30.14	15	57.4	54.1	47.8	65.6	3.4	1.0	373	390	79	93	NNW 2.5	N 1	9	10	0.15	Beautiful day 8 a.—6 p.
26	15	08	52.0	50.6	47.0	58.2	3.7	3.4	294	285	76	77	N 2	NNE 3	10	10	10	—
27	30.05	30.06	56.9	54.0	45.4	65.8	4.7	4.8	324	292	72	70	NNE 4	NNE 2.5	6	5	0.30	Beautiful day, but with cold wind.
28	29.91	29.84	50.8	50.6	46.4	55.2	2.5	0.8	285	349	82	95	NNE 3.5	N 2	10	10	0.45	—
29	82	82	57.9	50.8	48.1	59.6	4.8	1.2	346	341	72	91	NNE 2	NE 1.5	8	2	—	—
30	83	84	50.6	52.1	46.2	55.1	2.2	1.0	313	363	85	93	NE 2	NE 1	10	10	0.10	0. ga. Thickly overcast all day. 0
31	88	93	50.6	55.7	48.0	61.6	3.6	1.8	357	393	77	88	NE 3	N 1.5	9	9	—	—
32	29.96	29.91	60.1	57.0	50.1	68.2	3.3	1.1	416	431	81	92	NNE 2.5	E 3	10	10	0.80	Fine and pleasant.
Mean	29.947	29.935	53.3	50.3	44.1	60.0	4.1	2.3	304	312	75.1	84.5	2.6	2.2	7.8	6.1	1.118	

LONDONDERRY.—MAY 1887.

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

Long. 7° 19' W. Lat. 55° 0' N.																			
Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	45.7	44.6	32.9	55.8	4.8	1.7	in.	in.	%	%	W	2	NW	1	4	10	ins.
2	29.04	29.82	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	0.040
3	29.06	29.84	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
4	29.08	29.86	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
5	29.10	29.88	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
6	29.12	29.90	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
7	29.14	29.92	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
8	29.16	29.94	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
9	29.18	29.96	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
10	29.20	29.98	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
11	29.22	30.00	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
12	29.24	30.02	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
13	29.26	30.04	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
14	29.28	30.06	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
15	29.30	30.08	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
16	29.32	30.10	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
17	29.34	30.12	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
18	29.36	30.14	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
19	29.38	30.16	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
20	29.40	30.18	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
21	29.42	30.20	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
22	29.44	30.22	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
23	29.46	30.24	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
24	29.48	30.26	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
25	29.50	30.28	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
26	29.52	30.30	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
27	29.54	30.32	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
28	29.56	30.34	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
29	29.58	30.36	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
30	29.60	30.38	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
31	29.62	30.40	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—
Mean	29.94	29.98	45.7	44.6	32.9	55.8	4.8	2.8	255	245	71	80	SE	2	Calm	0	7	10	—

ARMAGH.—MAY 1887.

Height above Mean Sea Level, 193 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. 6° 39' W. Lat. 54° 21' N.

1	29°'00	29°'69	48°'0	43°'9	30°'9	53°'4	6°'0	5°'1	*186	62	65	NNE	1	SW	1	8	10	—	
2	*53	*51	49°'0	43°'5	40°'8	52°'0	5°'5	2°'0	*226	*230	65	SE	1	NE	0°'5	10	10	Overcast all day.	
3	*46	*40	40°'8	44°'0	38°'0	55°'5	5°'0	1°'5	*244	*255	69	NNE	1	N	1	3	10		—
4	*37	*41	44°'8	44°'8	39°'2	55°'0	1°'6	4°'6	*260	*203	88	NE	1	SSE	2	10	10		°'009
5	*47	*55	52°'9	45°'5	41°'9	58°'1	5°'3	3°'0	*271	*239	67	SE	2	SE	2	7	9	—	
6	*63	20°'74	55°'0	49°'7	39°'8	57°'9	7°'1	5°'0	*258	*243	60	SSE	2	S	1	9	10	—	
7	29°'01	30°'06	56°'7	52°'0	45°'7	62°'7	5°'9	3°'1	*305	*308	66	WSW	1	WSW	1	2	8	—	
8	30°'09	*03	52°'7	53°'2	47°'3	56°'9	2°'7	2°'0	*326	*349	82	SW	2	SW	3	10	10	°'050	
9	*12	*20	54°'0	46°'5	46°'4	59°'5	5°'0	1°'9	*288	*272	69	W	1	W	1	8	0	—	
10	30°'20	30°'15	52°'2	47°'8	43°'9	60°'0	5°'4	2°'5	*260	*272	67	WNW	2	W	1	5	9	°'033	
11	29°'99	29°'99	51°'8	50°'8	45°'8	55°'1	1°'0	0°'4	*359	*361	93	W	2	NW	1	10	10	—	
12	30°'06	30°'10	54°'7	44°'7	44°'6	62°'6	2°'9	2°'0	*349	*251	81	NW	1	NNW	1	9	0	—	
13	*21	*26	50°'7	40°'2	40°'1	57°'2	5°'3	1°'4	*247	*220	66	N	1	N	1	7	0	—	
14	*28	*28	52°'0	50°'2	36°'8	59°'7	3°'1	0°'4	*308	*354	79	N	1	N	1	7	0	—	
15	*22	30°'19	54°'8	50°'7	47°'2	60°'4	2°'9	2°'6	*350	*305	81	N	1	NNE	1	10	10	°'020	
16	30°'12	29°'96	55°'3	51°'3	47°'4	62°'2	5°'2	1°'4	*302	*342	69	NNE	1	NE	1	7	8	—	
17	29°'77	*75	57°'0	46°'1	46°'0	59°'3	3°'0	0°'4	*377	*303	81	SW	3	NW	0°'5	9	7	°'048	
18	*76	29°'62	51°'0	46°'0	38°'0	58°'2	1°'0	0°'0	*346	*311	92	W	1	SW	1	6	10	°'075	
19	*48	28°'86	51°'4	45°'7	40°'9	53°'1	0°'4	0°'0	*369	*307	97	WNW	1	ENE	1	8	10	*596	
20	*26	29°'49	45°'7	38°'7	36°'0	49°'2	2°'1	0°'7	*260	*221	85	NW	3	SW	2	4	9	*220	
21	*39	*57	43°'0	40°'1	36°'1	53°'5	0°'2	0°'1	*273	*246	98	NW	3	NW	1	7	3	*063	
22	*69	29°'77	47°'7	42°'4	35°'8	50°'6	0°'7	0°'4	*313	*262	95	NW	2	NW	0°'5	10	10	*185	
23	29°'89	30°'01	51°'8	52°'8	41°'9	59°'2	3°'5	0°'8	*297	*377	77	NW	1	NW	1	10	10	°'005	
24	30°'11	*16	55°'9	53°'9	50°'2	63°'5	1°'1	1°'0	*418	*387	94	W	1	N	0°'5	10	9	—	
25	*15	*10	57°'4	55°'5	48°'8	66°'1	1°'4	0°'8	*429	*418	91	NE	1	NNE	1	8	9	°'020	
26	*15	30°'12	54°'9	51°'8	47°'9	60°'0	4°'1	2°'0	*322	*333	75	ESE	1	ENE	1	6	10	—	
27	30°'00	29°'89	56°'4	53°'9	44°'8	63°'3	2°'8	0°'8	*375	*393	83	NNE	1	NE	1	10	0	—	
28	29°'84	*82	55°'7	51°'7	43°'3	63°'1	3°'0	1°'0	*416	*357	94	ENE	2	NE	1	8	2	—	
29	*80	*83	49°'9	45°'0	40°'1	54°'9	1°'5	2°'0	*320	*253	90	ENE	2	E	1	10	2	—	
30	*87	*89	47°'2	48°'5	41°'0	56°'5	1°'5	2°'0	*289	*292	90	NE	1	ENE	0°'5	10	10	—	
31	29°'93	29°'85	50°'8	52°'6	41°'3	62°'4	1°'8	3°'8	*325	*299	87	NE	2	E	1	10	9	—	
Mean	29°'59	29°'84	51°'9	47°'8	42°'2	58°'1	3°'1	1°'8	*313	*295	80°'4	87°'7	1°'5	1°'1	8°'1	7°'8	1°'324		

MARKREE CASTLE (SLIGO).—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	Overcast all day. Overcast all day. ∞ p. ∞ before ga. Overcast all day. Boisterous before ga. ▲ showers. ▲ showers. Overcast all day. ∞ ga. Overcast all day. ∞ ga. Overcast all day. ∞ ga.
2	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
3	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
4	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
5	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
6	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
7	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
8	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
9	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
10	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
11	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
12	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
13	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
14	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
15	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
16	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
17	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
18	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
19	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
20	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
21	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
22	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
23	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
24	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
25	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
26	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
27	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
28	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
29	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
30	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
31	29.98	29.75	45.3	44.1	27.2	48.0	3.9	0.0	ins.	ins.	°/100	°/100	S	0.5	SSE	0.5	10	10	ins.	
Mean	29.936	29.917	52.1	48.5	41.8	56.3	3.6	1.9	302	299	75.9	87.2	1.8		1.2	8.8	8.7	2.360		

PARSONSTOWN (BIRR CASTLE).—MAY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	40.8	44.9	32.6	55.1	3.0	1.7	in.	in.	25.1	25.8	79	87	Calm	0	3	10	ins.	—
2	54	53	47.7	42.9	31.7	52.6	2.9	2.3	26.3	22.7	80	83	NE	1	NE	2	9	10	—	—
3	50	45	49.2	47.0	40.4	55.9	5.3	2.0	23.1	23.4	66	86	N	1	Calm	0	3	10	—	~ ⁰ (mist) a.
4	40	42	48.8	44.8	38.0	58.0	2.9	1.4	27.6	26.4	79	89	Calm	0	SSE	1	9	0	0.33	~ ⁰ (mist) op.
5	48	54	51.0	46.4	36.1	55.5	5.1	1.4	29.7	28.2	79	90	ESE	1	SSE	1	8	10	0.68	▲ ● ~ ⁰ (mist) op.
6	65	29.77	53.2	48.2	39.7	58.6	4.2	1.0	29.7	31.2	73	93	S	1	SSE	1	9	9	0.16	~ ⁰ (mist) op.
7	29.07	30.16	54.2	48.9	40.8	62.9	3.4	2.0	32.7	29.7	78	86	Calm	0	WSW	1	8	10	—	~ ⁰ (mist) op.
8	30.18	31.4	51.8	53.4	44.9	60.4	1.8	2.1	33.8	35.0	87	86	SSW	1	SSW	2	10	10	0.74	Large U ~ ⁰ (mist) op.
9	19	29	54.2	47.8	47.1	60.6	2.9	1.7	34.0	29.0	81	88	W	0.5	WSW	1	5	0	—	~ ⁰ (mist) op.
10	28	25	53.2	46.6	38.9	61.1	4.3	1.7	29.5	27.8	73	88	SW	1	WSW	2	6	0	—	—
11	14	11	53.4	54.0	40.9	61.6	1.8	1.5	35.8	37.4	88	90	W	1	W	4	10	10	—	Squally op.
12	13	16	53.8	50.9	50.1	60.9	1.8	1.7	36.3	32.9	87	88	WNW	1	NW	3	10	1	—	—
13	25	28	49.4	48.1	37.2	59.4	2.8	3.3	28.5	25.8	81	77	Calm	0	N	1	8	0	—	—
14	34	31	51.8	55.0	34.0	61.0	6.0	1.8	24.4	38.1	64	88	N	1	NW	1	7	4	—	—
15	29	30.22	53.0	52.4	48.0	58.0	3.0	1.0	32.2	36.6	80	93	NNW	1	Calm	0	10	10	—	—
16	30.15	29.99	55.8	56.1	48.9	63.4	4.0	2.8	33.7	37.2	75	82	NNE	1	ESE	1	10	10	—	—
17	29.86	30.3	56.6	45.9	45.9	58.7	4.6	1.0	33.2	28.6	72	93	SW	1	Calm	0	9	1	0.72	—
18	87	73	52.6	47.1	35.9	56.5	4.8	0.5	27.7	31.2	70	96	SW	1	SSW	2	7	10	1.62	—
19	61	62	50.8	48.8	35.3	56.6	3.4	2.3	28.7	28.9	77	84	WSW	1	SW	6	10	10	0.770	Squally p. [● later.
20	46	66	44.9	38.6	36.4	49.0	2.9	1.0	23.4	21.4	79	92	NW	3	Calm	0	8	2	0.82	* ▲ ● before 9a. Squally 9a. ▲
21	54	70	44.6	43.6	37.0	52.5	2.2	2.2	24.5	23.6	83	83	NW	3	W	2	10	10	0.31	Squally, with ▲ ● showers.
22	80	29.82	48.8	51.5	39.2	53.4	3.2	0.4	27.0	37.1	78	98	W	1	W	2	9	10	0.68	● from 6.30p.
23	29.98	30.08	54.8	54.0	45.0	61.8	2.8	1.0	35.1	38.8	82	93	Calm	0	W	0.5	10	10	—	Squally, with *.
24	30.19	30.21	55.8	53.2	44.6	64.3	2.1	1.0	38.5	37.7	86	93	Calm	0	NW	1	10	10	—	—
25	18	11	53.2	58.2	47.6	67.8	2.2	3.8	34.4	37.4	85	77	NW	0.5	Calm	0	10	6	—	—
26	13	30.13	54.9	51.8	49.7	62.4	4.9	4.5	30.3	27.4	70	72	Calm	0	Calm	0	9	7	—	—
27	30.03	29.88	58.2	57.3	40.8	64.8	5.8	5.5	32.6	32.0	67	68	N	2	NE	1	9	8	—	—
28	29.82	30.1	58.9	53.8	46.4	64.8	6.8	3.9	31.1	31.0	63	75	ENE	3	Calm	0	1	1	—	—
29	78	81	52.4	47.8	43.4	59.0	4.4	3.4	28.3	25.3	72	76	ENE	2	NE	1	9	8	—	—
30	87	90	51.2	47.8	38.8	53.8	5.6	2.4	24.5	27.4	65	83	Calm	0	Calm	0	10	8	—	—
31	29.01	29.81	56.4	52.8	39.8	61.8	4.4	2.8	33.5	32.5	73	81	Calm	0	Calm	0	10	9	—	∞ 9a.
Mean	29.918	29.898	52.3	49.7	41.1	59.1	3.7	2.1	30.2	30.7	76.5	85.7	0.9	1.2	8.3	6.9	1.376			

SWANBISTER.—JUNE 1887.

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

1	30'05	29'06	47'0	48'5	43'5	49'9	2'5	4'5	*264	83	70	ENE	2	E	3	9	10	—	
2	29'94	'90	46'3	44'0	43'3	49'8	2'3	3'5	*261	*215	84	74	ESE	2	ESE	2	10	—	
3	'89	'91	48'0	45'5	42'6	51'4	2'0	0'0	*285	*305	86	100	SE	2	ESE	2	10	10	~~~~ p.
4	'91	'92	55'0	50'9	40'7	56'6	2'8	1'9	*354	*324	82	87	E	1	NE	1	5	9	*040
5	'89	'91	51'6	49'3	49'0	52'0	1'1	0'8	*353	*331	93	95	E	0'5	Calm	0	10	4	*010
6	'87	'80	49'5	50'0	40'3	53'1	0'2	0'5	*349	*348	99	97	Calm	0	Calm	0	10	10	~~~~ before ga.
7	'52	'36	53'6	49'1	48'1	55'4	1'0	2'2	*383	*295	93	84	SE	2	WSW	6	7	6	*020
8	'50	29'59	51'9	52'0	46'5	55'2	1'9	1'7	*336	*343	87	88	WSW	6	W	2	10	7	*030
9	29'57	30'00	52'0	46'3	45'1	53'7	3'0	1'3	*310	*283	80	91	W	4	NW	3	8	7	*010
10	30'18	30'23	52'8	50'8	44'3	55'4	2'0	1'2	*345	*340	86	91	W	4	WNW	1	8	8	Overcast all day.
11	29'98	29'87	50'1	50'5	46'7	55'1	0'1	0'6	*360	*352	99	96	S	2	W	5	10	9	*700
12	'72	'65	53'0	51'0	48'8	54'2	0'2	0'2	*397	*369	99	99	SSW	3	W	3	10	10	*380
13	29'77	'89	54'3	48'7	48'2	54'7	0'8	0'6	*399	*329	95	96	W	5	W	2	8	8	*020
14	30'07	29'96	53'8	52'8	45'6	56'5	3'7	1'3	*315	*364	76	91	SW	2	Calm	0	5	9	—
15	'05	30'19	52'8	51'2	50'2	55'1	1'1	1'6	*369	*335	92	89	W	3	WNW	2	10	10	*020
16	'17	'19	58'8	55'5	49'7	61'1	2'8	2'5	*410	*370	83	84	S	0'5	Calm	0	5	3	—
17	'25	'21	62'0	56'6	50'3	65'1	2'5	2'8	*472	*378	85	82	Calm	0	NE	1	5	1	—
18	'18	29	63'0	51'0	49'5	66'6	3'5	0'5	*459	*361	80	97	NW	2	N	2	3	10	—
19	'34	'38	56'5	47'0	46'5	56'6	5'6	2'0	*309	*275	68	86	NNW	1	NNW	1	2	2	—
20	'41	'37	55'8	51'7	43'9	61'4	6'1	2'7	*290	*314	65	82	NW	2	NW	3	7	0	—
21	'34	'32	58'0	54'7	41'0	62'3	7'0	3'7	*296	*328	61	77	NW	2	NW	1	1	7	—
22	'31	'33	59'5	51'0	50'5	61'9	5'1	0'2	*359	*369	71	99	WNW	1	NW	1	1	10	—
23	'33	'32	51'0	51'3	48'2	60'4	1'0	0'5	*348	*365	93	97	NW	1	Calm	0	10	10	—
24	'31	'24	54'0	48'7	47'5	61'6	0'9	0'7	*391	*326	94	95	NNW	0'5	WNW	2	10	7	—
25	'23	'26	55'7	50'3	47'2	56'5	2'7	1'8	*368	*319	83	88	WNW	3	NNE	1	10	10	—
26	30'22	*04	53'3	52'7	43'3	54'3	3'5	0'5	*314	*384	77	96	SSE	2	WNW	3	3	10	—
27	29'97	*04	53'7	52'0	50'1	56'4	4'2	1'0	*303	*361	74	93	WNW	3	WNW	3	8	10	*020
28	30'05	*09	53'8	53'8	50'5	56'1	0'4	0'3	*403	*406	97	98	W	3	W	3	10	10	*060
29	*21	'33	56'3	57'3	52'3	64'8	1'3	4'3	*415	*347	91	74	WNW	3	W	3	10	7	*010
30	30'28	30'21	60'9	59'2	54'6	68'0	2'1	1'2	*466	*464	88	93	W	3	W	4	10	10	*020
Mean	30'051	30'058	54'1	51'1	46'9	57'4	2'4	1'6	*356	*338	84'8	89'6	2'2	2'0	7'5	7'8	1'560		

DUNROBIN CASTLE.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
1	ins.	ins.	48.2	46.9	45.3	51.9	2.5	1.6	27.6	28.3	83	89	SE	E	—	ins.	Dull a. Cold wind p.
2	30.03	29.97	46.6	46.6	40.6	50.6	2.3	2.3	26.5	26.5	84	84	E	SE	—	—	Clear a. Cold wind p.
3	29.99	30.00	47.2	48.6	45.4	53.2	2.9	2.1	25.8	29.2	80	86	E	E	—	—	Cold wind p.
4	30.01	29.98	54.2	53.6	46.6	57.2	3.7	3.1	32.0	32.8	76	79	E	E	—	—	Dry and clear, with cold wind a. Dull.
5	29.95	30.0	52.2	54.2	49.8	55.6	1.5	2.2	35.0	35.8	90	85	S	SE	—	0.20	Dull and mild. [with p.
6	94	88	52.2	55.6	47.6	59.6	1.5	2.3	35.0	37.7	90	85	E	E	—	0.40	Dull day. 0 showers.
7	58	52	57.4	52.6	51.6	61.2	2.9	4.1	38.7	29.3	82	74	SE	W	—	—	Blow.
8	67	29.73	53.9	55.4	51.1	64.2	5.4	5.1	29.9	30.6	67	70	NE	—	—	0.220	Dull day.
9	29.80	30.18	54.4	51.6	47.1	57.2	3.9	4.1	31.9	38.2	75	74	W	N	—	—	Dull a. Fine later.
10	30.31	30.30	56.4	54.3	44.6	63.6	6.4	4.5	29.0	30.1	63	73	SW	NW	—	—	Fine and dry.
11	30.10	29.96	58.6	54.2	47.6	61.6	2.9	2.7	40.5	34.5	83	82	W	NE	—	0.80	Dull day. 0 showers.
12	29.82	29.86	56.2	50.6	51.6	61.6	2.9	2.9	37.0	37.5	82	81	SW	W	—	0.60	Dull day. 0 showers.
13	29.94	30.05	57.6	50.4	49.6	58.4	5.6	2.7	32.2	29.8	68	82	W	S	—	0.120	Dull and mild. 0 showers.
14	30.15	30.08	54.4	55.4	49.1	58.9	3.9	1.0	31.9	41.0	75	94	S	W	—	—	Fine day.
15	25	29	50.6	57.4	51.8	63.6	3.3	3.7	36.5	36.9	79	77	NW	W	—	—	Dull a. Fine later.
16	25	27	60.6	57.0	51.4	65.9	5.3	1.9	37.0	42.2	71	88	SE	NW	—	—	Fine, clear, and warm.
17	33	27	61.6	60.6	52.1	70.6	4.9	2.3	39.5	45.5	73	86	SE	SE	—	—	Fine, warm, and dry.
18	29	38	68.6	55.0	53.8	75.9	4.9	1.4	51.5	49.7	74	92	S	SE	—	—	Fine and very dry.
19	41	47	52.6	51.9	51.6	56.9	1.9	3.6	34.5	29.6	87	77	E	NE	—	—	Fine a. Dull later.
20	50	53	55.2	50.4	46.1	59.2	5.5	5.1	29.4	24.7	68	68	S	NE	—	—	Fine day.
21	39	40	58.9	57.4	44.6	68.9	2.9	4.1	40.8	35.5	82	75	W	NE	—	—	Fine day.
22	40	39	62.2	56.4	47.8	64.2	5.9	1.7	37.8	49.5	68	89	SE	SE	—	—	Fine and warm.
23	57	39	55.2	53.2	52.1	58.9	2.2	1.7	37.3	33.8	86	89	S	SE	—	—	Fine and warm. (mist).
24	37	37	56.2	54.2	49.6	57.2	2.5	1.7	38.0	37.2	84	89	SE	S	—	—	Fine and dry.
25	33	33	65.9	54.6	49.4	68.6	7.4	2.1	39.5	36.7	63	87	E	NW	—	—	Fine and dry.
26	25	12	54.4	57.2	52.6	57.9	2.9	2.5	34.3	39.5	81	84	SE	NE	—	—	Fine and dry.
27	11	17	58.6	52.9	51.8	60.2	7.3	3.6	29.8	30.8	61	77	W	NE	—	—	Fine and dry.
28	17	23	58.6	58.2	51.6	64.9	4.1	4.3	37.2	36.3	77	75	W	W	—	—	Dull day.
29	41	44	62.6	58.9	50.6	68.6	5.9	4.6	38.4	36.3	69	73	W	NE	—	—	Dull day.
30	30.35	30.33	65.4	64.4	54.1	75.9	6.0	4.4	40.1	45.5	65	75	W	W	—	—	Fine, dry, and very warm.
Mean	30.151	30.166	56.8	54.6	49.5	61.7	4.1	3.0	35.1	34.8	76.2	81.3	—	—	—	—	0.870

LAUDALE.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	61.0	50.0	46.9	61.1	2.0	3.1	in.	in.	0/100	0/100	E	2	Calm	0	ins.	☁ (mist) a. Fine and warm all day.
2	29.88	29.91	55.0	53.0	45.0	60.6	6.0	4.0	2.80	2.99	65	74	E	2	Calm	0	0.30	☁ Fine all day.
3	86	89	56.0	54.9	49.9	64.8	3.8	3.6	3.45	3.33	76	78	NE	1	Calm	0	10	☁ till 9a. ∞ 9p.
4	86	90	61.0	53.0	50.2	63.1	4.0	0.7	4.10	3.83	77	95	Calm	0	Calm	0	10	☁
5	97	97	55.2	56.2	51.8	62.0	2.2	2.2	3.73	3.88	86	86	Calm	0	Calm	0	10	☁
6	92	87	57.0	59.4	56.2	62.8	2.2	1.2	3.99	4.08	86	93	S	3	Calm	0	10	☁
7	87	70	56.0	54.0	51.8	59.4	2.0	2.2	3.91	3.55	87	85	SSE	7	SW	4	10	Dull, with ☁ a. 3p. ☁ (mist).
8	77	29.79	56.0	53.9	51.7	59.6	4.8	1.9	3.22	3.61	71	87	SW	5	SSW	5	10	☁ all day.
9	29.83	30.16	53.0	51.3	48.9	60.2	2.0	2.3	3.47	3.19	86	84	WNW	7	Calm	0	10	☁ all day.
10	30.33	30.37	55.2	52.2	50.1	61.4	3.0	1.5	3.52	3.50	81	90	NNW	4	Calm	0	10	☁ (mist) a. ☁ all day.
11	30.19	30.10	55.2	54.0	49.3	59.9	2.2	1.0	3.73	3.88	86	93	SW	2	W	1	10	☁ Fine all day. ☁ (mist) 9p.
12	29.92	29.87	55.3	55.0	52.7	57.0	1.5	1.0	3.97	4.03	90	93	SW	6	WSW	5	10	☁ (mist) all day.
13	29.95	30.02	55.0	56.9	50.8	56.9	2.7	6.9	3.57	3.84	83	61	Calm	0	NW	1	10	☁ (gale) all day. ☁ (mist).
14	30.13	30.11	57.0	56.0	51.6	59.1	4.0	1.8	3.51	3.97	75	88	W	3	Calm	0	10	☁ till 4p. ☁ (mist).
15	22	32	54.7	55.0	51.7	59.8	1.5	1.1	3.85	4.00	90	92	Calm	0	Calm	0	10	☁ (mist) all day. ☁ from 4p.
16	27	27	65.0	63.0	49.8	75.2	4.6	4.4	4.59	4.31	75	75	Calm	0	Calm	0	10	Dull all day. ☁ (mist).
17	28	25	69.3	67.0	56.6	79.9	7.1	6.0	4.60	4.53	64	68	Calm	0	Calm	0	2	☁ Fine all day. Very hot. [∞ 9p.
18	27	29	72.0	63.8	58.7	77.9	5.7	2.8	5.57	4.95	71	83	Calm	0	Calm	0	9	Cir. from SSE. a. Calm and very warm.
19	27	34	61.9	62.0	53.0	72.2	1.9	6.1	4.89	3.70	89	67	Calm	0	SE	1	7	☁ 5a.—6a. Fine day, with ☁.
20	41	44	59.0	55.0	50.8	70.1	6.0	3.0	3.30	3.49	66	81	Calm	0	Calm	0	3	☁
21	41	41	62.9	56.0	47.0	67.2	5.9	3.0	3.88	3.65	68	81	NW	1	Calm	0	4	☁ Fine and warm all day.
22	37	36	67.9	60.8	46.8	74.2	6.9	5.4	4.42	3.70	64	70	Calm	0	Calm	0	0	☁ Fine all day. Much cirrus. ∞ n.
23	32	32	65.0	60.4	47.7	74.3	5.0	3.4	4.47	4.15	73	80	Calm	0	Calm	0	0	☁ Fine and warm all day, with ☁.
24	34	31	69.5	60.9	52.6	76.7	7.5	3.3	4.52	4.28	63	81	Calm	0	Calm	0	1	☁ a. Fine all day.
25	28	23	67.0	60.0	50.8	72.9	5.8	3.2	4.59	4.17	69	81	W	1	Calm	0	1	☁ Fine a. Dull, with ☁ (mist) p.
26	23	21	68.3	55.0	50.9	70.1	6.1	0.0	4.72	4.33	68	100	W	3	NW	3	2	☁ Dark and threatening. ☁ (mist).
27	17	22	57.2	54.5	52.6	61.1	2.0	3.1	4.09	3.40	87	80	NW	3	NW	1	10	☁ Dark and threatening, with ☁.
28	26	36	56.0	56.4	51.9	60.0	2.0	1.4	3.91	4.13	87	91	NW	2	NNW	1	10	☁ (mist) a. Dark and gloomy.
29	43	46	61.0	57.0	50.9	66.7	3.0	3.3	4.39	3.96	82	79	NNW	2	Calm	0	10	☁ (mist) a. Day fine. ∞ p.
30	30.44	30.36	59.0	58.9	48.1	64.6	3.0	1.9	4.07	4.38	82	89	Calm	0	Calm	0	10	☁
Mean	30.138	30.155	60.1	56.9	50.0	65.7	3.9	2.8	4.05	3.83	77.8	82.8	1.8	0.7	7.0	6.2	3.230	

DUNDEE.—JUNE 1887.

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

1	29.92	29.85	56.5	44.0	39.2	60.6	5.8	1.4	3.04	2.57	87	89	SE	2	SE	1	10	10	—	Fine day. Cloudy from 1p. — n.
2	80	75	46.7	44.5	43.4	55.3	2.7	1.7	2.57	2.55	81	87	SE	1	SE	1	10	10	—	Dull day.
3	73	76	56.0	49.5	42.9	58.3	5.1	1.8	3.15	3.09	70	88	SE	2	NE	1	5	10	—	Dull day.
4	73	77	58.6	48.3	46.8	61.0	4.7	0.6	3.57	3.23	73	96	SE	2	SE	1	10	10	270	☉ 11a.—8p.
5	80	81	61.8	60.0	48.1	73.7	3.7	3.6	4.32	4.06	79	78	SW	2	SW	2	5	0	—	Fine day.
6	79	73	59.4	55.6	50.3	66.0	3.5	1.0	3.99	4.13	79	93	SW	1	SW	1	10	10	160	Dull day. ☉ from 5.30p.
7	52	50	56.2	53.7	51.0	64.8	1.4	1.3	4.10	3.77	91	91	SW	2	SW	6	10	0	070	☉ n. ☉ showers 10a.—1p. (gale)
8	58	65	59.3	55.7	49.9	65.8	7.0	3.0	3.02	3.61	60	81	W	8	SW	1	7	7	010	Fine day. Cloudy from 1p. 12p.—6p.
9	29.63	29.96	59.3	54.0	51.4	65.8	6.4	4.3	3.25	3.03	65	73	SW	8	NW	2	5	5	—	☉ (gale) till 1p.
10	30.16	30.19	63.4	57.5	45.0	72.6	7.5	3.1	3.54	3.83	61	81	SW	1	SW	1	5	5	—	Fine day.
11	30.02	29.90	58.1	57.2	51.2	62.1	4.5	3.6	3.56	3.65	74	78	SW	4	W	2	10	10	—	Dull day.
12	29.76	29.70	58.1	58.3	53.4	67.9	3.2	2.9	3.89	4.00	81	82	W	4	W	1	10	10	—	Dull day.
13	29.78	29.82	58.4	51.0	51.0	63.0	5.5	0.9	3.35	3.51	69	94	W	1	NE	2	10	10	070	Dull day. ☉ noon—7p.
14	30.03	30.00	57.8	53.4	45.6	61.0	3.5	0.6	3.77	3.91	79	96	SE	1	NE	1	10	10	010	Dull day. ☉ showers 2p.—8.30p.
15	04	13	62.1	59.7	52.4	71.6	4.7	3.3	4.09	4.10	74	80	W	1	W	1	10	10	—	Fine and sunny.
16	15	13	66.4	60.4	51.1	82.0	6.5	4.4	4.27	5.47	66	76	SW	1	W	1	5	7	—	Fine day.
17	17	14	70.4	59.4	50.7	72.6	6.3	1.0	5.05	4.74	67	94	SE	1	SE	1	10	10	—	Dull day.
18	12	15	73.4	63.1	53.2	88.9	6.5	3.5	5.59	4.61	68	80	W	1	SE	1	0	10	—	Dull from 2p. ☉ 2p.—4.30p.
19	19	20	55.4	49.6	49.6	64.7	1.1	2.0	4.07	3.05	93	86	SE	1	E	1	10	10	—	Dull day.
20	28	31	61.1	51.0	43.4	64.1	7.3	2.2	3.28	3.18	61	85	E	1	NW	1	5	5	—	Fine day.
21	23	26	66.2	55.8	42.6	75.8	7.2	4.1	4.04	3.35	63	75	SE	1	NE	1	5	5	—	Fine day.
22	20	22	72.3	55.7	47.5	82.1	9.7	3.0	4.40	3.61	55	81	SE	2	SE	1	0	0	—	Fine day.
23	20	21	64.4	51.7	49.0	66.1	5.9	1.2	4.12	3.52	68	92	SE	1	SE	1	10	10	—	Dull till 9a. Fine till 6p., then dull.
24	22	18	56.5	53.5	50.7	67.6	2.6	1.1	3.81	3.79	83	93	S	1	SE	1	0	10	—	Dull till 10a., and from 4p., with ☉.
25	14	12	64.0	53.1	49.9	71.3	4.8	1.4	4.37	3.65	73	90	SE	1	SE	1	10	10	—	Dull till 9a., and from 1p., with ☉ (mist).
26	30.13	30.00	53.4	50.9	50.9	63.9	2.0	0.5	3.52	3.59	86	97	SE	1	SW	1	5	7	—	Dull till 4p.
27	29.93	29.99	62.2	56.0	47.7	69.1	5.7	4.5	3.84	3.29	69	73	NW	2	NW	2	5	7	—	
28	30.02	30.12	62.3	61.6	49.7	78.7	5.8	3.3	3.82	4.41	69	81	NW	1	NE	1	10	5	—	Dull till 9a.
29	24	28	70.6	57.3	54.0	80.6	7.1	2.0	4.84	4.10	65	87	SW	1	SW	1	5	7	—	Fine day.
30	30.23	30.19	69.4	60.8	55.0	78.6	6.7	3.3	4.73	4.28	66	81	SW	2	E	1	7	10	—	Fine day.
Mean	29.991	30.004	61.3	55.0	48.9	69.2	5.2	2.4	3.90	3.72	71.8	85.3	1.9	1.3	6.8	7.7	0.620			

GLASGOW.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
1	ins.	ins.	58.3	49.5	42.5	64.3	9.3	3.5	in.	in.	0.0	0.0	NNE	2	NNE	4	5	5	ins.	—	Fine and sunny.
2	29.83	29.75	58.3	49.5	42.5	64.3	9.3	3.5	2.54	2.70	52	76	NNE	2	NNE	5	7	10	—	—	Cloudy, with squally.
3	73	71	49.1	46.2	42.4	59.8	4.1	3.0	2.53	2.45	73	79	NNE	2	ENE	5	7	10	—	—	Cloudy, with squally.
4	74	70	51.2	50.7	42.1	58.9	4.2	2.2	2.73	3.13	73	85	NNE	1	ENE	1	8	10	130	—	Dull and cloudy.
5	66	76	51.3	51.8	47.0	52.4	1.3	0.9	3.44	3.61	91	94	NE	1	NNE	1	10	10	150	—	Gloomy and overcast, with ☁.
6	82	82	53.4	57.2	47.6	65.1	1.8	2.1	3.58	4.06	88	86	S	1	S	1	10	7	—	—	Fine day.
7	79	71	56.0	55.3	50.1	60.1	2.0	2.0	3.89	3.79	87	87	S	1	SSE	2	10	10	116	—	Dull, overcast, and threatening.
8	48	58	55.3	52.3	50.2	63.9	1.2	2.9	4.01	3.17	92	81	SSE	2	SW	6	10	8	205	—	a. Cloudy, with squally.
9	65	68	57.0	53.3	49.3	62.7	5.7	2.8	3.12	3.31	67	81	SW	3	SSW	1	6	5	153	—	Fine day.
10	29.73	29.69	52.4	51.3	48.2	58.0	1.8	2.9	3.45	3.04	88	81	SW	5	SW	1	10	8	—	—	Cloudy, with squally.
11	30.18	30.20	58.3	53.1	42.8	62.5	6.2	3.4	3.18	3.15	65	78	WSW	1	SSW	2	3	8	—	—	Fine day.
12	30.06	29.94	56.4	53.8	52.2	57.4	2.4	1.3	3.84	3.77	85	91	SSW	2	SSW	2	10	10	200	—	Dull and overcast, with ☁.
13	29.81	75	56.2	56.3	51.4	59.2	1.9	1.7	3.96	4.03	88	89	S	3	S	4	10	10	—	—	Gloomy, overcast, and threatening.
14	29.81	83	55.3	52.8	51.0	57.7	3.9	1.9	3.31	3.48	76	88	SSW	1	SW	1	10	10	156	—	Gloomy and overcast, with ☁.
15	30.03	29.97	55.5	57.0	43.0	59.3	3.5	1.0	3.44	4.34	79	93	N	1	SSW	1	10	10	204	—	Overcast, with ☁.
16	08	30.16	57.8	55.1	51.4	63.7	3.1	1.5	3.88	3.91	81	90	SW	3	SW	2	9	10	—	—	Fine day.
17	15	16	63.8	62.5	48.6	74.4	4.5	4.5	4.41	4.21	75	75	S	1	WSW	1	6	4	—	—	Sunny.
18	11	10	64.2	67.8	49.7	78.9	4.3	4.3	4.56	5.20	76	77	W	1	SW	1	10	5	—	—	Fine day.
19	12	10	70.8	65.3	55.1	79.9	6.8	4.4	4.96	4.70	66	76	S	1	NNE	1	6	8	—	—	Sunny.
20	16	32	54.5	52.1	50.4	65.4	1.7	3.3	3.77	3.94	89	78	NNE	3	NE	2	10	6	—	—	Sunny.
21	27	27	56.2	53.1	48.1	65.9	6.0	6.7	2.95	2.44	65	61	NNE	1	NNE	1	4	6	—	—	Sunny.
22	22	30	62.1	60.7	40.6	74.3	10.6	8.3	2.71	3.02	48	57	SW	1	ENE	1	6	5	—	—	Sunny.
23	20	16	65.8	62.4	49.1	80.0	7.8	8.4	3.84	3.31	60	56	SW	1	NE	4	2	6	—	—	Sunny.
24	15	15	65.8	58.3	49.8	77.5	7.4	3.8	3.94	3.75	62	77	NNE	1	NE	1	2	5	—	—	Bright, clear, and warm.
25	17	15	62.2	62.1	49.8	78.4	4.8	5.3	4.07	3.91	73	71	NNE	1	NNE	1	3	6	—	—	Sunny.
26	00	30.07	68.1	55.4	49.0	82.7	6.6	2.1	4.54	3.84	66	87	NNW	1	NE	3	4	3	—	—	Fine and sunny.
27	30.11	29.99	56.3	61.0	51.9	74.2	3.2	3.2	3.62	4.33	80	81	NE	1	S	1	10	2	—	—	Sunny.
28	27	29.08	59.4	55.3	49.3	65.3	4.9	4.5	3.62	3.18	72	73	WSW	1	WSW	4	10	5	—	—	Fine day.
29	30.07	13	59.5	56.6	47.6	65.7	4.5	3.4	3.74	3.61	74	79	WSW	2	SW	2	10	5	—	—	Sunny.
30	23	25	65.3	59.8	48.4	72.5	5.3	4.6	4.12	3.75	71	73	E	1	SW	1	8	10	—	—	Sunny.
31	30.24	30.14	65.9	63.0	49.0	75.3	6.9	4.8	4.09	4.21	64	73	WSW	1	SW	1	4	4	—	—	Sunny.
Mean	29.086	29.087	58.7	50.4	48.3	67.2	4.6	3.5	3.66	3.61	74.2	79.1	1.6	2.0	7.4	7.0	0.813				

SCARBOROUGH.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		9 a.m.	9 p.m.			
1	ins.	ins.	29.80	47.6	48.9	43.8	48.9	1.2	0.6	.299	.296	92	96	E	5	NE	3	9	10	ins.	☁☁☁ ga. Fine. Dull and cold later.
2	73	64		46.8	46.7	44.5	49.1	1.8	0.7	.278	.303	87	95	NE	3	NE	5	10	9	—	Dull and cold.
3	58	62		50.1	50.8	46.0	54.3	1.4	1.5	.325	.333	90	89	NW	3	N	3	9	9	0.30	Fine day.
4	67	74		51.1	50.6	49.0	55.3	0.8	0.8	.355	.348	94	95	SW	1	SW	1	10	0	0.05	☁ a. Bright afternoon.
5	85	86		60.6	58.6	40.0	63.3	3.3	2.9	.424	.404	81	82	SW	1	W	1	7	1	—	Very fine.
6	89	84		63.6	60.1	53.0	69.3	5.8	2.4	.400	.441	68	86	W	1	W	1	10	0	—	Fine, but close.
7	71	70		61.0	58.6	55.0	76.1	3.9	2.8	.412	.407	78	83	SW	6	W	1	8	2	—	
8	79	82		57.6	56.6	50.0	69.3	4.8	5.3	.342	.316	72	69	SW	3	W	2	9	0	0.40	
9	29.82	29.97		56.6	51.6	50.0	67.3	3.3	1.3	.364	.348	79	91	S	4	S	4	8	1	—	Fine day.
10	30.17	30.23		58.0	50.6	50.0	61.3	9.3	2.3	.257	.309	52	84	W	3	E	3	1	2	—	Fine day.
11	30.23	30.03		61.6	58.6	48.5	76.3	5.8	5.3	.371	.342	68	70	W	2	W	4	5	0	0.30	Dull day.
12	29.89	29.82		61.0	60.6	54.0	68.3	3.7	4.3	.418	.396	79	76	SW	4	W	3	7	0	—	
13	29.84	29.87		62.6	63.0	55.3	75.5	2.3	4.7	.487	.422	86	74	W	3	SW	4	6	8	—	Very fine and hot.
14	30.07	30.07		51.1	52.6	49.6	63.0	1.4	1.3	.339	.361	90	91	NE	3	S	2	10	7	—	☁ ga. Fine, but cold.
15	07	16		63.1	58.1	52.0	67.1	5.8	3.0	.393	.394	69	82	E	2	SW	2	0	0	—	Very fine and warm.
16	19	19		60.1	61.8	56.0	74.3	6.8	3.5	.464	.437	65	80	SW	2	SW	1	0	0	—	Very fine and hot.
17	20	18		73.3	60.8	57.0	75.6	9.0	5.9	.475	.357	58	68	SW	2	S	2	5	2	—	Very fine and hot.
18	17	11		71.6	62.6	56.0	76.3	8.3	4.7	.467	.416	60	74	S	2	E	2	0	0	—	Brilliant and hot.
19	11	20		64.3	51.1	51.0	66.3	5.0	1.3	.434	.342	73	91	N	3	NE	4	1	10	—	☁ ga.
20	25	25		54.6	49.1	48.0	56.3	4.8	1.8	.302	.303	71	87	NE	3	NE	3	9	0	—	Bright, but cold.
21	21	19		61.3	51.8	46.0	62.6	10.2	4.3	.269	.278	49	73	NW	4	NW	2	1	2	—	Brilliant day.
22	16	15		57.1	53.6	50.0	60.0	6.1	6.8	.304	.271	65	61	NW	4	NW	2	7	0	—	Fine day.
23	14	16		52.1	50.6	49.8	55.6	2.3	0.3	.320	.361	84	98	N	5	NW	4	9	10	—	Fine day. ☁ ga.
24	15	15		50.8	50.6	49.0	53.5	0.3	0.3	.364	.361	98	98	NE	4	NE	5	10	10	—	Dull, with ☁.
25	12	09		51.0	50.1	49.0	56.3	0.7	0.8	.356	.342	95	94	NE	4	N	5	8	10	—	☁ ga. and ☁. Fine and bright during
26	30.12	30.07		51.2	48.4	48.4	56.8	0.8	1.8	.356	.295	95	87	N	2	S	1	10	0	—	Dull and damp a. Brilliant p. ☁ day.
27	29.93	29.98		67.8	56.6	45.0	73.0	6.4	2.8	.456	.378	67	82	SW	3	NE	1	0	8	—	Fine and hot.
28	30.06	30.15		60.2	56.9	53.0	65.3	5.4	3.1	.361	.373	69	81	NE	3	W	1	8	7	—	Fine day.
29	24	30		61.1	57.9	54.0	68.0	4.0	3.1	.412	.388	78	81	NE	1	W	1	10	0	—	Bright day. ☁ 10p.—midnight.
30	30.28	30.17		69.1	64.6	50.0	74.3	8.5	5.8	.418	.418	88	69	E	2	SW	2	3	10	—	Fine, warm, and very clear.
Mean	30.017	30.017		58.9	55.1	50.3	64.6	4.4	2.9	.374	.358	75.7	82.9	2.9	2.5	6.3	4.2	0.180			

CRONKBORNE (DOUGLAS), ISLE OF MAN.—JUNE 1887.

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

1	29.83	29.73	52.5	51.8	46.0	56.3	4.1	1.8	291	338	74	87	E	4	E	5-6	3	10	0.42	Fine a. Squally ☁ showers p.
2	71	66	52.3	53.3	48.4	61.2	3.0	2.2	314	344	80	85	ESE	4-5	E	3	7	10	—	Squally a. Fine day.
3	67	67	53.1	52.0	50.0	57.4	2.6	0.1	334	385	82	90	NE	4	NE	4	10	10	0.22	Overcast. ☁ from 1p.
4	70	84	50.7	50.8	49.0	57.6	0.0	0.2	370	367	100	98	SSW	1	WSW	2	10	10	0.03	☁ all day.
5	90	91	49.8	50.8	48.2	55.7	0.0	0.0	359	371	100	100	SW	3	SSW	2	10	10	0.15	☁ a. ☁ p.
6	90	80	51.2	52.0	48.3	54.0	0.0	0.1	377	385	100	99	SSW	2	SSE	2	10	10	0.03	Overcast, with ☁, all day.
7	65	72	51.7	57.0	50.6	60.0	1.3	4.9	349	329	91	71	SW	5-6	WSW	4	10	1	1.10	Squally ☁ a. Fine, with fresh breeze p.
8	81	29.83	58.0	53.8	50.2	60.0	0.0	2.2	318	353	66	85	WSW	3	WNW	3-4	2	2	—	Fine, with fresh breeze.
9	29.90	30.10	58.8	51.8	51.4	60.6	4.3	1.6	370	343	75	88	W	5	NNW	3	0	3	—	Fine, but squally.
10	30.25	30	59.4	49.5	48.1	62.8	4.7	0.5	368	341	73	97	NNW	5	NNW	2	0	4	—	Very fine, but squally. ☁ p.
11	30.20	30.06	59.3	59.2	44.5	62.3	3.5	1.2	398	404	79	93	WSW	4	W	4	8	8	—	Cloudy day.
12	29.96	29.90	59.6	60.0	54.8	65.1	1.9	1.6	450	466	88	90	W	4-5	WSW	3	7	8	—	Squally a. Fine day.
13	29.91	29.92	60.9	58.0	52.9	63.9	1.6	1.1	482	448	91	92	WSW	5	W	3	5	8	—	Squally a. Cloudy day.
14	30.08	30.07	55.0	52.8	50.8	64.7	0.7	1.4	412	361	95	90	S	1	WSW	2	10	7	—	Cloudy day.
15	17	23	64.9	54.0	47.4	65.2	4.1	1.3	473	380	77	91	WNW	1	NW	2	5	7	—	Very fine day. ☁
16	22	18	63.0	57.9	48.0	70.8	4.0	0.9	443	452	77	94	SE	2	N	2	6	4	—	☁ (mist) a. Very fine day. ☁ p.
17	18	18	64.8	62.3	49.6	72.3	2.1	1.9	537	496	88	88	ESE	2	Cal	0	8	2	—	☁ (mist) a. and p. Fine day.
18	19	15	68.0	55.9	53.4	75.2	3.5	2.1	552	387	81	87	ESE	2	NNW	1	4	6	—	Very fine, but with ☁ (mist). ☁ p.
19	12	15	72.3	59.3	50.7	77.3	5.3	1.0	577	473	73	94	Cal	0	NE	4-5	0	1	—	☁ (mist) a. Very fine day.
20	26	27	58.7	54.4	52.6	63.2	3.0	0.8	403	400	82	94	ENE	3-4	Cal	0	1	4	—	Very fine, but with ☁ (mist).
21	29	24	61.7	58.8	40.4	68.2	7.4	6.8	333	310	60	62	ESE	2	NW	2	3	7	—	Fine day.
22	23	19	70.0	65.7	51.5	74.0	8.2	6.3	440	421	60	67	NNW	3	NW	2	6	8	—	Very fine.
23	16	14	72.8	66.0	56.8	78.2	12.5	8.8	375	361	47	57	N	1	NE	3	0	4	—	Very fine.
24	16	13	70.4	68.1	40.0	77.0	6.4	0.6	502	662	67	96	SSE	1	ENE	3	0	2	—	Very fine.
25	13	10	73.0	69.7	48.6	80.9	10.3	8.7	435	421	53	58	E	2	NW	1	0	0	—	☁ (mist) a. Very fine.
26	12	09	66.0	58.8	50.5	70.4	5.6	1.5	446	448	70	91	ESE	1	N	1	0	3	—	☁ (mist) ga. and ☁. Very fine. ☁
27	07	06	65.2	55.2	51.8	69.3	5.5	1.1	436	404	71	93	NNW	5	NNW	4-5	4	8	—	Fine, but with squally ☁.
28	14	24	64.4	56.2	51.6	64.8	0.4	1.9	590	396	98	88	NW	5	NNE	2	6	4	—	Fine, but with squally ☁.
29	28	32	68.2	58.6	53.1	69.9	4.6	2.4	518	419	75	85	N	2	NNW	2	3	2	—	Very fine.
30	30.30	30.24	64.4	60.0	54.6	72.0	5.2	1.8	432	459	71	89	NNW	1	NW	2	6	4	—	☁ a. Very fine day.
Mean	30.050	30.047	61.3	57.1	50.0	66.4	4.1	2.2	423	406	78.1	86.9	2.8	2.5	4.8	5.6	0.595			

STONYHURST.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					9 a.m.	
1	ins.	ins.	54.5	48.2	40.9	58.6	3.3	2.3	.334	.281	78	84	E 1	NE 1	6	10	ins.	Sunny a. ☉ 1p. Overcast p.
2	48	42	53.0	48.0	44.9	57.8	4.0	3.3	.299	.257	74	77	ENE 2	NE 1	7	10	.150	
3	37	43	51.0	52.6	45.4	56.0	2.7	2.5	.306	.330	82	83	Cal'm 0	NE 1	10	10	.300	Overcast, with ☉.
4	51	61	51.0	52.2	49.4	60.9	1.0	2.2	.348	.332	93	85	W 1	Cal'm 0	10	3	—	Overcast and gloomy a. Fine and
5	68	70	60.3	51.3	49.9	65.5	3.0	3.1	.374	.301	72	79	Cal'm 0	W 1	0	0	—	Fine and sunny. [sunny p.
6	69	63	59.8	56.7	48.7	63.4	3.2	2.3	.414	.392	81	85	Cal'm 0	Cal'm 0	10	10	—	Gloomy evening.
7	50	53	57.1	55.3	54.9	61.6	2.9	1.3	.382	.399	81	91	SSW 2	WSW 2	10	10	.014	Overcast and gloomy. Fine and sunny
8	59	65	54.7	54.8	48.3	61.2	1.7	2.6	.379	.357	89	83	WSW 2	WSW 1	10	10	—	Fine and sunny p. [late p.
9	29.66	29.85	57.1	53.8	49.3	61.6	3.5	1.1	.366	.383	79	92	W 5	NW 1	9	3	—	Fine and sunny.
10	30.00	30.06	58.0	51.2	47.0	62.0	7.0	2.7	.296	.309	61	82	NNW 1	W 1	4	0	—	Fine and sunny.
11	29.98	29.84	59.0	55.3	43.2	64.3	6.0	3.3	.330	.346	66	79	W 2	W 1	7	10	—	Fine and sunny. [sunny p.
12	75	70	56.0	57.2	53.0	64.8	2.7	1.4	.384	.426	83	91	WSW 2	W 2	10	5	—	Overcast and threatening a. Fine and
13	70	73	64.0	57.9	52.3	69.1	3.9	3.0	.464	.393	78	81	W 4	W 2	7	10	—	Overcast early a. Fine and sunny later.
14	85	85	63.2	61.9	54.8	73.0	5.0	3.6	.478	.437	72	79	WSW 1	Cal'm 0	10	2	—	Overcast early a. Fine, but sultry later.
15	92	97	61.0	56.2	50.1	67.1	3.0	2.4	.439	.383	82	85	WSW 1	Cal'm 0	10	6	—	Fine and sunny.
16	98	94	66.2	64.9	51.2	75.2	5.4	4.0	.456	.476	71	78	Cal'm 0	Cal'm 0	5	5	—	Sultry day.
17	96	95	68.9	67.0	57.1	76.5	5.4	5.9	.504	.456	71	69	Cal'm 0	Cal'm 0	0	0	—	Fine and sunny. Sultry.
18	95	90	71.9	65.1	55.2	78.7	9.0	4.9	.452	.452	58	73	Cal'm 0	Cal'm 0	0	0	—	Cloudless day. Sultry.
19	29.89	29.95	72.1	55.1	54.3	78.9	8.1	3.3	.483	.351	61	81	Cal'm 0	NE 1	0	10	—	Fine and sultry. T _{app.} < 2 9p. - 11p.
20	30.03	30.04	56.9	51.9	44.0	63.9	5.9	4.8	.305	.269	65	70	ENE 2	E 1	4	5	—	Fine day.
21	30.03	30.00	63.1	60.0	42.7	70.2	11.8	8.2	.259	.295	45	57	NE 1	Cal'm 0	0	0	—	Fine day.
22	29.98	29.95	63.1	60.4	51.7	72.0	7.7	12.0	.766	.255	313	44	NNE 1	Cal'm 0	10	5	—	Fine and warm.
23	91	91	71.3	61.1	52.9	75.6	13.8	6.2	.324	.355	42	67	E 1	ENE 1	0	0	—	Cloudless and sultry.
24	93	91	62.9	62.0	49.3	77.1	6.8	7.1	.365	.345	64	62	NE 1	ENE 1	0	0	—	Cloudless and sultry.
25	90	85	65.9	64.4	49.9	78.5	7.1	8.4	.403	.347	64	57	NE 1	ENE 1	0	0	—	Cloudless and sultry.
26	90	84	60.7	62.3	50.0	72.3	4.7	4.4	.387	.420	73	75	NE 1	NE 1	5	8	—	Fine and sunny.
27	79	79	68.0	57.3	52.7	70.6	6.9	3.3	.444	.374	64	79	W 2	NW 2	5	7	—	Fine day. Cir. a. and p.
28	29.87	29.96	65.1	57.9	48.4	69.7	8.1	2.8	.365	.399	59	83	ENE 1	W 2	10	7	—	Fine day. Cir. a. and p.
29	30.04	30.08	60.4	59.0	51.0	69.7	3.2	2.1	.424	.433	81	87	Cal'm 0	Cal'm 0	10	0	—	Early a. Overcast and sultry a.
30	30.06	29.99	68.1	61.8	54.2	74.0	7.0	2.9	.443	.457	84	83	Cal'm 0	W 1	0	8	—	Fine, but sultry. [Fine, but sultry a.
Mean	29.817	29.819	61.5	57.4	49.9	68.3	5.7	3.8	.380	.369	69.9	77.9	1.2	0.8	5.6	5.1	0.503	

CHURCHSTOKE.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.								Per-centage.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.				
1	ins.	ins.	47°	50°	38°	54°	0°	0°	in.	in.	%	%	E	1	E	2	ins.	0.30	Dull, cold, and damp, with ☉.
2	29°36	29°29	47°	50°	38°	54°	0°	0°	299	353	94	96	SE	2	NE	1	6	10	Bright. Cloudy, with ☉ showers
3	24	18	53°	49°	46°	60°	3°	1°	312	300	75	87	NW	1	WNW	2	10	9	☉ in past 2. ☉ all day. ☉ later.
4	17	25	47°	48°	45°	50°	0°	0°	323	334	98	97	WNW	1	W	1	3	8	Bright and fresh.
5	32	40	56°	47°	45°	46°	3°	0°	326	364	75	85	W	2	W	2	6	5	Fine, bright, warm, and breezy.
6	51	52	58°	54°	43°	68°	4°	2°	346	312	76	95	W	2	W	3	10	10	Dull and breezy.
7	53	49	58°	50°	52°	64°	4°	2°	362	364	75	85	SW	2	W	2	9	2	[Bright p.
8	36	42	58°	52°	52°	67°	5°	1°	357	385	72	83	NW	2	NW	2	10	1	0.20
9	43	52	53°	52°	48°	66°	0°	0°	331	370	68	93	W	3	NW	2	10	2	Dull, cold, and gloomy, with ☉.
10	57	71	55°	49°	48°	64°	3°	3°	343	276	78	78	NNW	2	W	1	8	0	Cloudy and cool.
11	83	89	50°	52°	40°	66°	2°	3°	343	305	82	78	W	2	NW	1	9	10	Fine, breezy, and hot.
12	84	69	59°	54°	41°	69°	5°	5°	355	299	69	70	SW	2	NW	1	8	2	Cloudy and breezy.
13	60	56	60°	55°	52°	70°	2°	6°	434	319	84	73	SW	2	SW	1	5	2	Breezy, bright, and warm p.
14	58	50	64°	58°	54°	74°	4°	3°	439	379	73	79	NE	2	W	1	2	2	Bright and hot.
15	63	68	68°	54°	44°	79°	7°	2°	437	360	64	86	WNW	2	WNW	1	4	4	Fine day.
16	73	78	67°	63°	45°	79°	0°	3°	449	451	68	79	NW	1	NW	1	2	5	Fine and bright.
17	76	74	70°	60°	54°	76°	8°	2°	436	446	59	84	SE	2	SW	1	8	5	☉. Fine day.
18	75	71	69°	54°	48°	77°	7°	2°	454	355	63	84	SE	1	Calm	0	5	0	Fine and breezy.
19	69	72	73°	66°	49°	79°	11°	7°	413	400	51	63	NE	1	E	2	2	0	Fine and bright.
20	80	83	58°	52°	51°	66°	5°	3°	330	366	69	78	E	3	E	2	5	0	Bright. ☉ on hills.
21	83	79	60°	54°	40°	70°	7°	6°	307	302	60	70	NNW	2	NW	1	0	4	Cool wind.
22	75	75	61°	59°	46°	72°	11°	0°	254	260	47	51	NE	2	NW	1	8	10	☉. Bright day.
23	72	71	66°	58°	53°	78°	13°	2°	268	366	42	76	NNE	1	NE	1	0	0	☉. Breezy.
24	71	71	59°	58°	43°	74°	4°	2°	379	410	76	85	N	2	E	1	0	2	Bright and hot. ☉ on hills.
25	70	65	59°	55°	45°	73°	4°	3°	374	343	75	77	ESE	2	NW	1	0	0	☉
26	69	68	60°	59°	45°	73°	6°	2°	431	430	68	87	NE	1	Calm	0	0	0	Bright day.
27	62	66	70°	55°	47°	81°	9°	2°	403	358	55	82	WNW	2	NW	2	1	9	☉
28	71	72	61°	56°	48°	68°	0°	3°	340	358	63	79	NNW	2	NW	1	6	8	Bright and breezy
29	83	80	62°	53°	45°	74°	6°	2°	361	331	65	84	NW	1	NW	2	8	2	Bright and breezy.
30	29°87	29°81	67°	61°	46°	77°	5°	4°	405	407	70	76	ESE	2	SE	1	9	0	☉. Hot day.
Mean	29°630	29°638	61°2	55°4	46°9	70°9	5°9	3°2	368	354	69°2	81°0	1°8	1°4	5°5	4°1	1°726		

CARMARTHEN.—JUNE 1887.

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

1	29°68	29°59	47°8	54°7	45°7	60°4	1°4	1°9	298	373	90	88	E	2	E	1	10	5	—
2	55	50	57°6	54°5	49°8	64°2	3°8	1°4	366	384	77	91	E	1	Calm	0	10	10	170
3	54	63	53°2	49°5	49°1	68°2	1°6	1°7	361	311	89	89	Calm	0	N	1	10	1	from 7p.
4	71	80	56°2	53°0	38°4	63°2	2°6	0°7	375	382	84	95	Calm	0	S	1	10	7	till noon.
5	90	90	58°2	52°7	50°2	65°3	4°6	0°1	355	396	73	99	S	1	SW	1	9	10	0 from 7p.
6	90	80	56°3	50°2	50°2	63°1	0°0	0°8	431	427	95	95	S	1	SW	2	10	10	09p.
7	76	80	57°6	52°3	52°0	59°6	2°0	0°7	415	427	87	95	S	3	SW	1	9	8	Dull day.
8	29°81	29°91	58°1	50°9	50°4	67°7	1°5	0°9	437	349	91	94	SW	1	W	1	10	0	Dull, with 0.
9	30°00	30°08	62°1	55°0	50°3	64°7	5°5	2°8	386	355	70	82	W	3	NW	1	8	2	—
10	20	25	65°6	48°8	45°2	67°8	8°3	1°7	369	302	58	88	N	1	Calm	0	4	0	Very fine.
11	22	30°08	65°5	52°7	42°0	68°8	9°5	0°0	338	381	54	96	W	1	W	1	5	7	Very fine.
12	30°03	29°06	59°7	54°7	51°2	68°2	3°0	1°3	419	389	82	91	S	1	Calm	0	10	0	Fine day.
13	29°06	29°06	63°1	53°9	53°8	67°2	5°9	0°3	389	497	68	98	SW	1	Calm	0	5	10	Fine day.
14	30°02	30°05	69°9	52°7	49°2	74°7	9°6	2°1	401	342	54	86	Calm	0	Calm	0	0	0	9p.
15	11	12	75°7	61°7	46°0	80°5	13°2	5°9	406	370	46	68	Calm	0	Calm	0	0	0	before 9a. Very fine.
16	11	07	80°4	67°2	48°7	83°7	13°9	6°7	465	434	45	65	Calm	0	N	1	0	5	Very fine. ∞
17	08	07	79°5	69°4	60°0	81°6	13°2	5°4	472	514	47	71	E	1	N	1	0	5	Fine and warm. ∞
18	08	04	75°7	61°4	54°0	80°5	14°4	3°0	375	386	42	72	E	1	Calm	0	0	0	Fine and warm. ∞
19	03	00	78°9	70°9	54°0	83°8	14°6	7°9	421	465	43	61	E	1	NE	1	1	0	Fine and warm. ∞
20	12	13	65°8	59°8	56°4	74°9	7°5	4°4	391	382	62	74	E	2	E	1	0	0	Fine and warm. ∞
21	17	14	68°9	57°2	48°5	73°5	12°5	3°8	318	360	45	76	E	1	E	2	0	0	Fine and warm. ∞
22	12	07	68°9	61°8	49°9	76°3	13°3	5°9	303	323	43	68	E	2	NE	1	2	10	Fine day.
23	05	01	78°9	68°7	49°8	83°9	19°4	11°4	311	340	32	49	E	1	E	1	0	0	Fine and warm. ∞
24	02	30°01	73°4	62°8	54°8	80°9	10°4	5°3	437	401	53	71	NE	2	Calm	0	0	0	Fine and warm. ∞
25	04	29°09	67°7	59°8	55°3	75°2	8°7	2°8	389	425	57	83	E	2	Calm	0	0	0	Fine and warm. ∞
26	03	30°04	75°7	61°5	50°1	80°3	12°7	3°4	418	436	47	81	S	1	Calm	0	0	0	Fine and warm. ∞
27	02	02	74°4	62°0	47°1	80°3	8°2	4°5	522	413	61	75	S	1	N	2	0	5	Fine and warm. ∞
28	19	13	68°1	59°8	55°0	71°6	8°8	4°2	394	388	57	75	N	2	N	3	2	0	Fine, but with cold breeze.
29	24	23	63°5	58°0	53°1	70°4	6°5	2°8	382	399	65	82	NE	1	N	2	10	0	Fine, but with cold breeze.
30	30°21	30°15	76°9	57°4	52°3	79°6	11°1	1°8	482	418	52	89	S	1	N	1	0	0	9a. Fine and warm.
Mean	29°03	29°04	66°8	58°0	50°4	72°7	8°3	3°3	394	389	62°3	81°6	1°2		0°9	4°2	3°2	0°440	

MARGATE.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	53°	51°	50°	61°	1°	0°	367	355	91	94	E	2	Calm	0	ins.	Fine and warm. D <i>9p.</i>		
2	29°32	29°23	53°	51°	50°	61°	1°	0°	367	355	91	94	E	2	Calm	0	170	Dull day. D <i>9p.</i>		
3	58	42	53°	54°	49°	56°	1°	0°	355	409	87	98	NE	2	E	3	10	10	170	Dull day. D <i>9p.</i>
4	48	70	53°	53°	52°	56°	0°	0°	389	393	96	95	E	1	SW	3	10	10	180	D <i>9p.</i> all day.
5	29°85	29°94	55°	55°	49°	62°	2°	0°	369	421	85	94	W	1	SW	1	0	8	—	Very warm.
6	30°01	30°03	58°	56°	53°	64°	3°	2°	399	399	80	86	W	1	W	1	9	10	—	Very warm.
7	30°05	30°03	56°	56°	50°	65°	1°	0°	419	410	93	89	SW	1	W	1	10	10	—	Very warm. Dull at times.
8	29°99	29°94	59°	57°	51°	69°	2°	1°	424	427	83	90	S	1	S	3	10	9	—	D <i>9p.</i> Beautiful day.
9	30°01	30°01	61°	57°	53°	72°	2°	1°	409	431	86	90	SW	2	SW	3	10	1	—	Very warm.
9	30°07	30°07	62°	61°	52°	70°	7°	4°	356	418	63	76	W	3	W	2	0	5	—	Very warm.
10	26	39	59°	49°	49°	62°	5°	2°	349	286	70	80	NW	2	NE	1	0	0	—	
11	35	17	59°	57°	41°	68°	5°	7°	351	339	68	73	SE	1	SW	3	0	10	—	Cold in past n. Beautiful day.
12	11	09	61°	60°	52°	72°	6°	2°	353	453	65	88	W	1	S	1	9	0	—	Splendid day.
13	07	05	65°	63°	51°	75°	7°	4°	388	428	62	75	W	2	S	1	0	0	—	Splendid day.
14	14	21	67°	51°	51°	69°	9°	0°	361	371	52	90	W	1	E	2	0	10	—	Splendid day. D <i>9p.</i>
15	22	22	69°	65°	49°	80°	6°	5°	483	447	67	73	S	1	S	1	2	0	—	Splendid day and very hot. Humidity 14°/6 3p.
16	28	26	60°	55°	54°	66°	4°	0°	407	401	77	92	S	2	NE	2	0	4	—	
17	28	23	60°	55°	54°	61°	3°	1°	410	384	79	88	E	3	NE	3	3	0	—	Splendid day.
18	24	16	59°	55°	53°	62°	3°	0°	421	409	82	94	E	2	NNE	3	0	0	—	Splendid day.
19	15	14	62°	57°	55°	66°	3°	3°	443	373	79	80	NE	1	NNE	2	0	0	—	Splendid day.
20	24	26	55°	52°	52°	58°	3°	3°	342	302	76	77	NNE	3	NNE	2	5	4	—	Splendid weather, but cooler.
21	23	19	59°	54°	50°	64°	6°	4°	327	299	64	72	NNW	2	N	2	1	5	—	Fine, but cool.
22	21	23	54°	50°	50°	58°	3°	1°	271	325	64	87	NNE	2	N	1	7	3	—	Fine, but cool. D <i>9p.</i>
23	15	17	55°	52°	47°	59°	2°	2°	375	334	87	85	NNE	2	E	3	10	10	—	Fine day.
24	16	15	54°	53°	51°	57°	1°	1°	375	378	88	93	NNE	3	NE	3	10	10	—	Very dull.
25	14	13	54°	52°	51°	56°	0°	1°	401	351	96	89	NE	1	NE	3	10	10	—	Dull and cool.
26	15	16	54°	52°	50°	57°	5°	3°	360	312	85	78	N	3	NE	2	10	10	—	Very dull day.
27	14	01	57°	50°	50°	68°	0°	5°	312	413	67	83	NE	1	S	1	4	2	—	Fine day.
28	13	25	58°	56°	55°	63°	5°	3°	339	364	69	81	NE	2	N	1	9	10	—	Very fine.
29	32	35	57°	56°	54°	62°	0°	1°	403	403	86	88	NNE	4	E	2	10	10	—	Dull day.
30	30°36	30°29	56°	50°	54°	60°	1°	1°	415	403	90	90	NNE	2	E	2	10	0	—	Fine day.
Mean	30°105	30°100	58°6	55°7	51°4	64°3	3°9	2°2	381	381	77°9	85°9	1°8		1°9	5°6	5°4	0°350		

BABBACOMBE.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.	Per-centage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.					9 a.m.		9 p.m.
1	ins.	ins.	°	°	°	°	in.	in.	%						ins.		
29.59	29.50	51.1	49.2	49.2	57.5	0.0	0.2	.375	.345	100	99	ENE 2	NE 1	10	4	ins. 0.03	
2	42	38	52.8	54.9	48.4	58.9	0.7	2.0	.379	.374	95	87	NE 2	WNW 2	10	10	0.40
3	43	55	55.2	52.0	52.0	62.5	2.6	1.3	.362	.353	84	91	WNW 3	W 3	9	1	—
4	62	75	60.2	53.2	49.2	65.0	2.5	1.5	.441	.364	85	90	SSW 1	WSW 2	9	4	—
5	82	82	52.7	53.8	48.3	60.3	0.8	0.8	.375	.391	94	94	SE 1	WSW 3	10	2	—
6	84	79	58.0	54.1	50.4	62.4	2.3	0.2	.412	.413	85	98	SW 2	SSW 2	10	10	0.40
7	72	76	57.8	56.2	53.4	64.4	0.7	0.2	.457	.446	95	99	SW 3	WSW 2	10	10	—
8	78	78	58.2	54.9	54.9	65.8	0.6	2.6	.467	.358	96	84	WSW 3	NW 2	10	1	—
9	92	92	67.4	55.1	46.3	72.4	8.7	2.2	.384	.371	57	85	W 1	NW 2	0	1	—
10	98	98	63.9	56.9	51.1	68.6	6.2	3.6	.396	.361	67	78	NE 1	W 1	1	0	—
11	98	98	64.8	57.4	48.3	72.6	5.8	4.4	.421	.348	69	73	S 2	WNW 1	3	6	—
12	94	94	64.1	59.9	50.1	75.8	7.0	6.9	.378	.322	63	62	NNE 1	W 1	1	0	—
13	88	86	66.1	60.7	49.4	78.6	7.5	5.6	.396	.364	62	69	ENE 1	Calm	0	0	—
14	91	95	70.3	60.9	49.4	74.1	14.7	4.1	.292	.406	39	77	NE 1	SW 1	0	0	—
15	90	90	68.5	65.1	51.1	78.5	8.9	5.2	.397	.443	57	73	ENE 1	WSW 1	1	0	—
16	91	99	71.5	63.9	57.2	74.6	8.8	3.9	.449	.401	58	78	ENE 2	ENE 2	0	4	—
17	99	96	65.9	58.8	58.8	66.9	5.6	4.2	.440	.373	71	75	NE 3	ENE 3	1	3	—
18	95	90	65.9	60.2	57.4	69.4	5.0	3.4	.404	.415	74	80	NE 3	NE 1	0	0	—
19	90	88	70.1	63.1	58.6	74.3	7.1	5.4	.473	.404	65	71	NE 2	NE 1	1	1	—
20	96	90	64.4	56.0	56.0	68.4	5.5	3.0	.424	.364	70	81	ENE 4	E 2	4	0	—
21	94	99	57.2	60.0	50.3	71.6	5.3	6.0	.323	.344	69	66	ENE 3	Calm	0	3	—
22	98	95	55.8	51.5	51.5	61.8	5.2	2.9	.307	.306	69	81	ENE 4	SE 1	3	3	—
23	92	90	65.8	56.3	45.8	70.7	8.8	2.3	.360	.385	57	85	ENE 2	NE 1	3	3	—
24	92	89	53.9	55.2	50.1	62.7	2.3	1.4	.352	.396	85	91	E 3	E 2	10	1	—
25	92	88	53.8	55.0	53.5	64.6	1.5	1.8	.371	.381	89	88	ENE 3	SSW 1	10	0	—
26	93	94	59.2	55.0	50.3	64.4	3.8	1.9	.388	.378	77	88	E 2	SW 2	2	1	—
27	92	89	64.9	67.6	50.2	82.7	4.9	7.3	.449	.427	73	63	NE 1	NW 3	0	1	—
28	95	90	72.2	62.1	58.9	74.2	10.9	4.5	.404	.413	51	75	NE 1	NW 3	1	3	—
29	90	93	68.5	57.5	56.7	72.7	7.6	2.6	.431	.396	62	84	ENE 1	SE 1	1	0	—
30	93	90	68.0	56.8	55.3	71.7	7.4	1.9	.430	.406	62	87	S 2	SSW 2	0	2	—
Mean	29.890	29.888	62.3	57.4	52.1	68.9	5.3	3.1	.400	.384	72.7	81.7	2.0	1.6	4.0	2.3	0.110

LONDONDERRY.—JUNE 1887.

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

1	29.88	29.78	64.7	53.1	49.0	73.8	11.4	3.2	287	319	47	79	NE 1	NNE 1	0	10	—	Fine all day. Overcast evening.
2	29.76	29.73	52.4	52.7	48.8	75.9	3.0	1.4	315	359	80	90	NE 1	NE 1	10	10	0.150	● showers p.
3	29.77	29.78	58.1	54.7	48.6	67.1	4.2	2.2	364	366	76	86	ENE 1	N 1	10	10	0.260	● 9p.
4	29.78	29.80	53.9	53.7	50.0	69.0	1.1	0.8	384	390	93	94	N 1	NE 1	10	10	—	Fine during day.
5	29.91	29.86	58.7	61.2	48.0	74.0	3.3	3.8	395	420	80	78	S 2	SW 2	10	10	—	
6	29.84	29.74	60.4	57.6	55.8	73.0	3.5	1.7	415	423	79	88	SW 2	S 2	10	10	0.160	Fine a. ● p.
7	29.53	29.75	56.1	52.7	50.0	73.3	2.0	2.3	393	336	87	84	SW 3	SW 2	10	5	—	↗ a. Fine p.
8	29.80	29.82	64.2	55.0	51.0	71.0	2.3	1.8	519	381	86	88	WSW 3	WSW 4	4	10	0.100	Fine all day. ● 8p.—9p.
9	29.92	30.20	56.4	52.4	49.5	72.0	4.5	2.5	333	328	73	83	W 3	NW 3	10	10	—	↗ a. Fine p.
10	30.35	30.33	62.7	55.4	51.0	72.0	2.1	2.5	497	368	88	84	SW 1	Calm	0	7	10	Fine and warm all day.
11	30.19	30.10	58.7	56.7	53.0	72.0	3.8	1.8	381	406	78	88	W 3	SW 3	10	10	—	
12	30.01	29.91	60.7	57.7	55.0	72.0	3.8	1.8	411	422	78	88	WSW 2	WSW 2	5	10	0.060	
13	29.91	30.02	58.6	52.2	50.8	72.6	1.0	1.3	461	355	94	91	SW 3	Calm	0	10	0.060	● 0 during day. Fine p.
14	30.08	30.11	57.7	57.7	46.5	69.0	1.8	2.8	422	394	88	83	SE 2	S 1	10	10	—	Fine during day.
15	29.88	29.86	59.2	56.2	54.9	72.5	4.3	1.3	375	413	75	91	W 1	W 1	10	10	—	
16	29.82	29.81	70.7	67.7	52.0	82.0	2.8	3.8	465	536	62	80	S 1	Calm	0	1	10	Fine, clear, and warm all day.
17	29.79	29.77	73.7	70.7	58.0	81.0	6.8	6.8	555	495	67	66	NW 1	S 1	2	10	—	Fine and clear. Overcast evening.
18	29.82	29.84	76.7	66.7	60.0	85.0	9.3	2.8	534	551	58	85	NE 1	NE 1	0	0	—	Fine, clear, and very warm all day.
19	29.82	29.84	74.7	60.7	56.0	84.0	8.3	1.8	527	472	61	89	NW 1	ENE 1	0	0	—	Fine, clear, and very warm all day.
20	29.83	29.84	63.2	58.5	52.0	77.4	5.3	3.0	409	401	71	82	N 1	E 1	8	0	—	Fine and clear all day.
21	29.83	29.82	67.7	58.7	47.0	77.4	9.4	3.8	373	381	54	78	NE 1	E 1	1	1	—	Fine and clear all day.
22	29.83	29.81	71.7	60.7	50.0	84.0	10.8	3.8	400	411	52	78	N 1	N 1	0	0	—	Fine and clear all day.
23	29.87	29.85	70.7	60.7	51.0	84.0	6.1	3.2	518	429	68	82	N 1	NE 1	0	10	—	Fine and warm.
24	29.85	29.83	71.7	64.7	51.0	82.0	9.8	4.8	426	448	55	74	N 1	N 1	0	2	—	Fine, clear, and warm all day.
25	29.85	29.83	73.2	62.9	55.6	85.0	7.8	4.6	513	424	63	75	NE 1	E 1	7	10	—	Fine, clear, and very warm all day.
26	29.85	29.83	70.7	60.7	51.0	83.0	5.5	3.3	462	426	71	81	NE 1	N 1	0	0	—	Fine, clear, and warm all day.
27	29.85	29.83	59.7	57.8	54.9	72.5	3.8	3.8	396	369	78	77	NE 3	NW 1	10	10	—	
28	29.85	29.83	59.7	58.2	55.0	72.0	3.8	3.9	396	372	78	77	NW 2	NW 1	10	10	—	
29	29.85	29.83	59.7	58.2	55.0	72.0	3.8	3.9	396	372	78	77	NW 2	NW 1	10	10	—	
30	29.85	29.83	59.7	58.2	55.0	72.0	3.8	3.9	396	372	78	77	NW 2	NW 1	10	10	—	
Mean	30.100	30.109	63.8	58.6	51.9	75.8	5.3	2.9	425	407	72.5	82.7	1.6	1.3	6.2	7.1	0.790	Fine all day. Fine and warm all day.

ARMAGH.—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins. 29.74	ins. 29.63	55.6	50.7	46.5	62.5	8.0	2.7	248	302	50	82	E 2	E 2	2	10	ins. .021		
2	62	59	50.4	50.8	48.1	57.9	3.4	1.2	282	341	78	91	E 2	ENE 1	10	10	.058		
3	62	64	58.0	52.0	45.1	59.6	5.0	1.1	342	358	71	92	ENE 1	ENE 0.5	7	10	445		
4	64	71	54.6	50.3	48.9	66.6	2.0	2.6	370	379	87	83	ENE 0.5	S 1	10	2	—		
5	80	75	63.6	58.6	50.3	68.0	7.6	2.9	355	405	61	82	SW 1	S 2	3	10	—		
6	74	64	58.3	50.0	54.0	63.1	2.7	1.3	406	411	83	91	S 2	SSE 2	10	10	.062		
7	46	67	50.9	51.9	51.6	65.0	2.1	3.9	400	289	87	75	S 3	SW 2	10	0	—		
8	71	29.74	50.9	53.9	50.7	65.1	6.6	3.0	329	334	64	80	SW 2	SW 3	4	2	.100		
9	29.84	30.06	50.0	51.3	51.0	63.5	6.8	1.7	312	334	62	88	W 2	W 1	9	4	—		
10	30.22	30.19	50.3	57.0	45.2	66.6	4.6	2.5	369	391	73	84	WSW 0.5	SSW 2	4	9	—		
11	30.10	29.97	58.0	57.1	52.9	64.0	2.0	2.3	421	398	87	85	SW 3	SW 1	10	10	—		
12	29.87	.84	63.2	59.2	54.7	68.0	1.9	3.6	513	394	89	79	SW 2	SW 2	10	10	—		
13	.81	.88	60.0	56.0	55.6	67.9	2.9	1.0	426	419	83	93	SW 2	WNW 1	10	10	—		
14	29.97	29.99	58.0	57.5	51.5	68.8	1.2	1.5	445	427	92	90	S 1	SW 1	10	8	—		
15	30.11	30.12	60.3	58.9	49.5	69.6	2.4	2.3	446	426	85	86	SW 1	SE 1	10	10	—		
16	.11	.08	69.4	63.6	47.5	78.5	6.2	5.2	488	419	68	71	S 1	S 0.5	0	8	—		
17	.07	.05	72.7	68.1	52.5	80.8	9.9	10.0	441	364	54	52	S 0.5	S 0.5	3	3	—		
18	.09	.08	73.9	65.6	53.6	82.5	8.0	2.4	493	542	58	86	S 0.5	S 0.5	2	0	—		
19	.09	.11	72.1	70.9	55.2	79.6	6.2	3.0	543	632	68	83	NE 1	NE 1	0	3	—		
20	.19	.21	60.5	53.6	47.7	66.8	5.5	2.5	363	342	69	83	ENE 1	ENE 1	1	0	—		
21	.20	.19	65.0	57.8	43.2	71.5	8.8	2.8	347	395	56	82	E 1	ESE 0.5	0	8	—		
22	.19	.15	70.1	61.8	46.1	78.0	11.3	6.0	362	369	49	67	ENE 1	NE 1	0	9	—		
23	.11	.09	71.8	61.8	54.0	81.5	9.8	3.0	428	454	55	83	NE 1	NE 1	0	0	—		
24	.10	.09	71.6	65.8	51.7	80.0	10.7	7.1	401	401	52	65	ENE 1	ENE 1	0	4	—		
25	.09	.04	70.0	58.9	53.1	82.5	7.8	5.2	452	349	62	70	ENE 1	NE 1	8	0	—		
26	.05	.01	70.7	65.7	49.0	80.4	8.0	3.0	460	524	61	83	NE 1	ENE 0.5	0	0	—		
27	.03	.08	62.2	56.1	49.7	70.4	3.8	3.3	436	359	78	79	N 1	NNW 1	10	4	—		
28	.13	.20	62.6	59.0	53.2	67.1	4.3	3.1	428	404	76	81	NW 1	NNW 1	10	10	—		
29	.27	.28	59.9	58.9	55.0	70.0	4.5	2.1	386	376	75	75	NNW 0.5	NNE 1	10	10	—		
30	30.26	30.17	65.3	49.0	49.0	73.8	6.3	4.0	410	421	66	87	NNE 1	NNE 0.5	0	0	—		
Mean	29.973	29.976	63.1	58.4	50.5	70.7	5.7	3.2	403	399	70.2	80.9	1.3	1.2	5.4	5.8	0.686		

DUBLIN (PHENIX PARK).—JUNE 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	55.1	50.2	47.5	57.2	4.5	1.0	in.	in.	%	%	NE 2	Calm 0	7	8	ins.	Cloudy a. Dull p. ☁ at night.
2	59.7	59.7	57.0	50.6	44.7	58.1	3.2	1.5	37.2	33.0	80	90	ESE 1	NE 1	7	8	0.05	Dull and cloudy.
3	59.6	59.6	51.7	50.1	48.4	57.3	2.0	0.9	33.2	33.8	87	93	NE 1	Calm 0	10	10	0.045	Dull day.
4	59.9	59.9	51.7	50.1	49.1	54.0	5.0	0.8	37.1	42.8	72	95	WSW 1	Calm 0	4	8	—	Beautiful day. ∞ 0. ☁ at night.
5	58.6	58.6	53.4	57.4	49.7	60.2	7.5	3.2	35.5	37.9	61	80	Calm 0	Calm 0	8	8	—	
6	58.3	58.3	59.7	58.3	54.0	62.9	4.1	3.1	38.8	39.5	76	80	SSW 2	SSE 2	10	9	0.05	Dull and cloudy, with ☀ showers.
7	58.0	58.0	58.4	55.9	48.0	66.6	4.5	4.1	36.0	33.7	74	75	SSW 4	WNW 2	9	2	0.060	Dull and cloudy a. Bright p.
8	59.3	59.3	58.3	53.8	50.6	65.9	6.4	3.7	33.9	31.5	65	76	WSW 2	WSW 2	7	1	0.10	Cloudy a. Bright p.
9	59.3	59.3	58.3	53.8	50.6	65.9	6.4	3.7	33.9	31.5	65	76	WSW 4	Calm 0	4	2	—	Beautiful day.
10	59.2	59.2	59.7	51.4	41.9	64.7	6.8	2.2	32.2	32.3	64	85	Calm 0	Calm 0	4	2	—	Beautiful day.
11	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
12	59.8	59.8	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
13	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
14	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
15	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
16	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
17	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
18	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
19	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
20	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
21	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
22	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
23	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
24	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
25	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
26	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
27	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
28	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
29	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
30	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	—	
Mean	59.2	59.2	59.8	52.5	54.2	70.0	3.0	3.8	42.0	44.0	82	78	WSW 3	WSW 4	10	8	0.155	Cloudy a. Bright p. Beautiful day.

PARSONSTOWN (BIRCH CASTLE).—JUNE 1887.

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

1	29.71	29.62	56.1	51.8	50.8	57.0	5.0	2.5	31.8	32.1	71	83	ESE 1	E 1	10	7	103	
2	57	59	60.0	56.4	48.3	64.2	6.1	3.4	34.2	35.9	66	79	SE 1	Calm 0	6	8	—	
3	56	55	57.3	52.6	40.8	62.3	4.1	3.8	35.3	29.0	75	75	Calm 0	Calm 0	10	5	—	
4	56	55	57.3	52.6	40.8	62.3	4.1	3.8	35.3	29.0	75	75	Calm 0	Calm 0	10	5	—	
5	58	58	62.2	59.0	44.6	67.2	6.3	3.2	36.8	40.2	66	81	SSE 1	S 2	9	10	—	
6	58	58	58.9	57.4	54.8	62.0	2.5	1.6	42.0	42.3	85	90	SSE 1	SSE 1	10	10	0.05	☁ from ga.
7	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	Squally before ga.
8	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
9	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
10	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
11	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
12	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
13	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
14	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
15	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
16	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
17	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
18	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
19	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
20	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
21	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
22	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
23	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
24	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
25	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
26	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
27	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
28	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
29	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
30	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	1.00	
Mean	58	58	59.6	57.8	52.2	64.2	2.8	7.4	42.2	28.5	83	60	SW 3	Calm 0	10	7	0.341	

SWANBISTER.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.	Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	64.0	58.1	57.1	67.4	5.5	3.0	in.	in.	W 1	WSW 4	7	7	ins.			
2	30.14	29.97	56.0	53.1	52.5	59.9	2.9	1.7	368	357	82	W 5	W 3	10	6	0.030		
3	30.00	30.04	56.0	53.1	52.5	59.9	2.9	1.7	368	357	82	W 5	W 3	10	6	0.030		
4	29.90	29.68	54.0	50.2	51.6	63.1	1.5	2.0	374	394	90	S 1	WSW 4	9	10	0.040		
5	28.2	28.7	52.8	47.7	47.3	56.2	4.3	4.3	290	235	73	NW 2	N 1	9	8	0.050		
6	28.7	29.6	46.0	45.0	44.5	52.2	5.5	3.1	199	231	64	NW 3	NNW 2	10	4	0.020		
7	29.7	29.5	49.0	40.3	40.0	52.9	3.5	2.3	266	204	76	NW 1	N 1	10	5	—		
8	29.1	28.8	47.0	47.6	35.8	51.5	1.0	1.0	298	241	93	SSE 3	SE 2	10	10	0.280	☁ from ga.	
9	28.7	27.1	55.2	54.6	50.6	56.3	0.4	0.9	424	401	98	ESE 1	E 1	10	7	0.460	☁ (mist) ga.	
10	29.54	29.50	55.0	50.4	50.4	60.4	0.4	1.5	437	361	97	S 2	Calm 0	10	3	0.400	☁ 6a.—noon.	
11	29.35	29.42	55.7	53.0	46.6	60.4	0.9	1.0	417	374	94	ESE 0.5	WNW 1	8	8	0.010		
12	29.47	29.58	53.0	52.8	50.5	56.9	0.6	2.0	386	345	96	WSW 3	W 2	10	9	0.010		
13	29.61	29.48	58.3	55.2	49.6	58.3	4.8	0.3	351	427	73	Calm 0	Calm 0	4	10	0.200	T in S. 5p.	
14	29.44	29.37	50.9	54.0	53.7	62.9	2.0	1.0	451	388	88	Calm 0	Calm 0	7	6	0.150	T a. and p.	
15	29.47	29.69	61.2	55.7	51.8	64.1	3.2	2.9	437	365	81	S 1	SW 2	8	8	0.010		
16	29.84	29.95	57.8	52.3	52.1	62.1	2.9	1.8	392	344	82	WSW 3	WSW 3	5	9	0.110		
17	30.10	30.24	50.1	49.0	48.1	53.7	1.3	3.0	358	276	91	NW 3	NNW 2	10	10	0.010		
18	29.27	29.23	49.8	47.0	46.1	52.9	4.5	3.2	253	249	71	NNW 4	NNW 3	10	9	—	Overcast all day.	
19	29.09	29.03	52.0	54.8	44.6	57.9	6.0	0.3	246	421	64	NW 4	WNW 4	7	10	0.020		
20	29.11	29.08	54.8	54.0	50.0	59.1	2.4	1.5	361	374	84	WNW 3	WNW 3	10	9	0.040	Overcast all day. ☁ showers.	
21	29.10	29.12	53.2	53.0	50.4	57.4	4.4	1.2	366	369	91	W 4	W 3	9	10	0.050	☁ showers all day.	
22	30.07	29.88	55.8	56.7	50.8	57.1	2.0	1.2	388	424	87	SSW 2	WSW 0.5	10	10	0.160		
23	29.71	29.73	55.7	52.4	52.0	61.3	2.0	2.5	387	328	87	WSW 4	WSW 4	9	3	0.120		
24	29.74	29.66	55.9	54.5	49.7	60.8	4.5	1.0	327	396	73	WSW 4	SSW 3	7	10	0.170		
25	29.44	29.50	55.0	51.8	50.7	58.1	2.6	2.1	359	331	83	WSW 3	WSW 3	10	8	0.100		
26	29.56	29.62	55.2	50.6	47.3	57.1	3.6	2.4	337	368	78	WSW 3	W 1	9	7	0.010		
27	29.53	29.52	56.9	54.3	48.3	59.1	3.9	0.7	352	402	76	SSE 3	SE 5	1	10	0.300	☁ from 9p.	
28	29.07	29.25	61.2	55.5	53.5	66.1	2.8	2.0	449	384	83	S 3	SW 4	7	9	0.230		
29	29.56	29.58	60.5	54.9	52.4	63.1	9.5	1.2	274	396	52	SSW 4	S 1	9	5	0.050		
30	29.38	29.49	58.8	56.8	54.1	65.3	2.3	2.8	425	380	86	SSE 6	SW 3	3	8	0.010		
31	29.72	29.92	58.6	51.5	50.7	61.4	4.2	2.0	369	330	75	WSW 6	W 1	3	5	—		
32	29.97	29.93	57.9	52.6	45.4	61.4	5.1	1.6	338	353	70	SW 1	NW 1	6	7	—		
Mean	29.760	29.761	55.4	52.6	49.3	59.2	3.1	1.9	357	351	80.9	87.3	2.7	2.2	8.0	7.7	3.076	

BRAEMAR.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.			Cloud Amount.		Rain.	Remarks.			
								Dep. of Wet.			Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	68.7	60.6	50.9	75.3	3.8	3.4	ins.	ins.	0	0	0	0	S	1	SW	1	6	7	ins.	Fine day.
2	28.92	28.93	66.3	58.6	57.0	74.5	3.8	3.3	553	421	80	80	80	80	S	1	SW	1	6	7	—	Fine day.
3	83	73	60.4	59.6	40.5	69.8	0.1	3.7	522	397	99	78	78	78	SW	2	W	0.5	3	3	—	Cloudy and dusty.
4	73	73	59.1	50.2	50.2	61.7	7.3	1.4	303	327	60	91	91	91	SW	1	E	0.5	6	7	220	Dull day. ☉ p.
5	75	81	51.7	46.1	45.1	55.1	2.8	3.2	312	241	81	77	77	77	E	1	N	0.5	4	9	110	Dull day. ☉ p.
6	82	78	55.8	52.2	36.7	62.7	1.3	4.4	408	281	91	72	72	72	N	1	N	1	6	7	100	Fine day.
7	77	77	51.2	60.3	47.1	65.7	1.7	4.0	333	399	89	77	77	77	N	0.5	SW	0.5	9	6	—	Dull day.
8	75	60	63.6	62.6	55.2	72.8	5.8	3.1	402	464	68	82	82	82	SW	1	S	1	8	7	030	Dull day.
9	42	40	62.3	58.4	58.2	67.5	5.8	5.9	382	326	69	67	67	67	S	1	SW	1	8	7	130	—
10	20	34	58.8	53.7	53.4	61.5	3.3	3.1	397	328	80	80	80	80	W	1	W	0.5	8	1	150	☉ a. Fair p.
11	39	47	55.7	56.6	50.2	62.8	4.2	3.1	331	370	75	80	80	80	SW	1	SW	1	7	7	050	☉ showers.
12	50	44	55.9	60.9	52.4	67.0	1.5	4.6	403	392	90	74	74	74	SW	2	SW	4	7	8	020	☉ showers.
13	37	32	60.6	57.6	57.4	63.3	3.3	2.9	424	390	81	82	82	82	SW	4	SW	4	9	7	140	☉ showers.
14	46	66	59.6	53.7	52.9	63.7	5.3	5.2	356	281	70	69	69	69	SW	6	SW	2	5	4	—	Fine day.
15	75	28.85	58.1	54.2	50.5	63.9	6.3	3.7	313	320	65	76	76	76	SW	2	SW	0.5	7	7	190	☉ showers.
16	28.95	29.04	53.8	49.5	46.1	60.5	6.1	3.3	263	275	64	78	78	78	SW	0.5	NW	1	7	8	020	☉ showers.
17	29.05	29.03	50.5	47.5	45.8	60.5	5.0	3.6	251	246	60	75	75	75	NE	1	NE	1	6	6	—	Fair, clear, and cold.
18	28.93	28.93	52.5	58.2	40.3	67.5	8.7	3.9	204	372	52	77	77	77	W	2	W	1	5	7	—	Fine and clear.
19	28.97	28.98	61.3	60.6	55.6	74.5	5.8	3.3	368	424	69	81	81	81	W	3	SW	2	7	7	—	Fine and clear.
20	29.01	29.01	60.0	55.3	52.9	67.5	8.5	4.6	289	316	56	73	73	73	SW	2	SW	1	6	4	—	Fine and clear.
21	28.96	28.79	60.3	60.6	45.1	71.5	8.8	5.1	286	375	55	72	72	72	SW	2	SW	2	5	8	020	Fine and clear.
22	58	67	60.6	52.5	52.2	65.5	4.3	4.7	396	278	76	71	71	71	SW	4	SW	2	7	8	—	—
23	71	58	55.5	54.5	49.0	61.7	5.3	2.0	303	368	69	87	87	87	SW	4	SW	2	7	8	030	☉ showers a.
24	41	49	54.3	51.1	50.9	62.5	4.6	4.8	301	260	72	70	70	70	SW	2	SW	2	4	7	020	☉ showers a.
25	48	49	52.8	50.5	46.3	60.3	5.5	4.7	265	256	67	70	70	70	SW	1	SW	1	7	7	030	☉ showers a.
26	37	66	55.5	55.5	44.5	62.5	5.4	2.2	301	378	69	86	86	86	SW	4	SE	1	7	10	190	Fair a. ☉ p.
27	03	28	56.2	53.3	53.3	62.7	3.3	4.8	360	285	79	70	70	70	SW	2	SW	4	8	3	040	☉ showers.
28	51	49	58.4	57.6	50.9	61.5	5.1	2.4	345	404	71	84	84	84	SW	2	SW	6	8	9	030	Dull, with ☉ showers.
29	35	48	58.2	53.5	52.2	61.7	4.7	4.0	352	305	73	75	75	75	SW	3	SW	6	8	6	100	☉
30	67	76	56.6	52.3	50.6	61.5	3.1	4.8	370	274	80	71	71	71	SW	4	W	0.5	6	6	—	Fine day.
31	28.79	28.83	55.9	51.2	38.7	63.5	6.4	1.4	286	340	64	91	91	91	SW	1	SW	0.5	6	7	090	☉ p.
Mean	28.69	28.67	57.7	55.1	49.4	64.9	4.7	3.7	351	338	73.0	77.3	77.3	77.3	2.0	1.7	6.6	6.6	1.700			

LAUDALE.—JULY 1887.

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

1	30°25	30°15	66°0	62°0	49°9	68°7	4°1	4°0	*493	*427	78	77	Calm	0	WNW	2	6	10	*090	Dull and close.
2	17	30°18	58°7	56°7	55°2	63°1	4°8	0°9	*356	*433	73	94	NW	3	Calm	0	7	9	*020	☉ ² showers n. Dull a. Day fine.
3	30°00	29°96	65°8	55°9	47°6	65°8	2°0	1°7	*560	*398	88	89	SW	4	W	4	9	10	*120	Dull and gloomy. ☉ ⁰ ☼☼☼ (mist).
4	29°92	29°92	56°6	54°0	52°3	60°0	2°6	2°0	*383	*360	83	86	Calm	0	WNW	3	10	8	*080	Dull and gloomy. ☉ ² showers.
5	29°95	30°04	57°0	50°8	48°0	60°8	5°1	2°7	*325	*303	70	82	NW	3	Calm	0	4	2	—	—
6	30°04	29°97	57°0	55°0	42°7	61°4	6°0	4°2	*304	*320	65	74	Calm	0	W	3	4	10	*310	Cirri from different directions. ☉ ² 6p.
7	29°92	29°93	56°2	61°2	51°5	68°1	1°2	2°0	*416	*474	92	88	NW	1	Calm	0	10	8	*010	☉ ² a.
8	87	67	65°3	70°0	58°6	74°2	5°4	8°0	*440	*446	72	61	S	5	SW	3	9	10	—	Much cir.-s. Squally. ☉ ² T 8p.
9	67	54	62°0	60°5	57°0	70°0	5°7	3°5	*380	*417	69	80	W	1	S	1	7	10	*770	☼☼☼ (mist) all day. ☉ ² 9p.
10	46	55	57°9	58°0	55°6	62°4	1°2	2°8	*443	*399	92	82	W	1	WSW	1	10	10	*100	☉ ² showers all day.
11	61	68	60°0	59°0	55°4	65°9	4°0	3°1	*395	*404	76	81	W	5	W	3	10	7	*130	☼☼☼ (mist) all day.
12	63	53	62°5	62°8	55°6	65°8	2°5	3°6	*481	*452	85	79	W	4	SE	3	10	10	*110	☼☼☼ (mist) a.
13	48	40	61°0	60°0	56°6	66°9	2°1	3°0	*467	*423	87	82	E	3	SE	2	10	10	*470	☉ ² showers all day. T 5.30 p.
14	66	29°86	60°0	57°0	51°0	68°6	4°0	2°8	*395	*383	76	82	SW	3	SW	1	9	10	*080	☉ ² showers a. ☼☼☼ (mist) all day.
15	29°96	30°12	60°0	55°9	55°6	63°4	4°7	0°7	*377	*426	73	95	SSW	3	Calm	0	5	6	—	☼☼☼ (mist) all day.
16	30°25	28	57°5	56°2	53°6	64°1	3°6	2°3	*370	*385	78	85	N	1	W	1	9	8	*080	Bright a. ☉ ² showers from 2p.
17	35	32	60°5	53°9	41°5	63°0	7°5	3°5	*316	*321	60	77	Calm	0	N	3	9	3	—	—
18	26	22	54°0	56°9	46°6	60°8	4°1	0°7	*368	*442	74	95	N	1	Calm	0	9	10	*060	Dull a. ☉ ⁰ from 2p. ☼☼☼ (mist).
19	29	29	58°1	60°0	54°1	64°2	1°5	1°3	*438	*475	91	92	Calm	0	W	2	10	10	*030	☼☼☼ (mist) all day.
20	31	31	59°2	53°8	51°4	69°7	4°6	2°4	*368	*347	73	83	NNW	3	Calm	0	9	3	—	Dull a., with ☼☼☼ (mist).
21	30°20	30°06	60°8	61°0	49°4	65°9	3°9	1°1	*410	*500	78	93	N	1	Calm	0	8	10	*460	Dull all day.
22	29°90	29°95	67°6	53°0	50°1	60°9	2°7	0°4	*396	*391	82	97	WSW	5	W	3	9	9	*090	Dull, with ☉ ² showers.
23	96	82	58°0	56°0	53°0	61°5	3°2	1°4	*388	*408	80	91	WSW	4	W	2	9	10	*670	☉ ² showers a. ☉ ² 4.30 p.—9p.
24	62	71	58°5	54°2	53°6	60°8	4°5	0°8	*361	*397	74	95	SW	5	SW	6	7	8	*330	☉ ² showers all day.
25	72	72	54°9	53°7	49°7	58°8	4°6	2°7	*310	*338	72	82	NW	1	SW	1	8	9	*040	☉ ² showers all day.
26	51	12	59°9	57°2	52°2	65°8	5°7	1°2	*350	*431	68	92	NE	6	SSW	5	5	10	*950	☉ ² (gale) all day. ☉ ² from 3p.
27	16	52	56°8	57°0	55°5	64°1	1°8	1°0	*408	*434	83	93	W	1	SW	3	10	7	*360	☉ ² showers all day.
28	68	60	59°0	61°0	50°7	64°8	3°0	2°4	*407	*458	82	86	SW	3	S	4	10	10	*220	☉ ² showers all day.
29	48	29°71	57°2	56°2	55°7	62°7	1°0	2°0	*437	*394	93	87	NW	4	SW	4	9	10	*180	☉ ² showers all day.
30	29°02	30°02	57°2	53°3	53°0	61°8	1°5	3°3	*423	*318	90	78	S	2	SW	1	10	5	*020	Dull, with ☉ ² showers a.
31	30°03	30°10	58°9	55°0	42°6	61°9	6°7	2°6	*313	*359	63	83	Calm	0	Calm	0	6	9	*040	Cloudy all day.
Mean	29°878	29°878	59°2	57°3	51°8	64°4	3°7	2°4	*394	*402	78°3	85°2	2°3	2°0	8°3	8°4	5°820			

DUNDEE.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	72° 9	65° 6	52° 2	81° 5	5° 5	5° 7	in.	in.	0%	0%	SW	1	NW	1	0	5	ins.	Fine day.
2	30° 09	29° 98	72° 9	65° 6	52° 2	81° 5	5° 5	5° 7	583	436	72	70	SW	1	NW	1	0	5	—	Fine day.
3	29° 05	30° 00	71° 4	55° 6	55° 6	80° 0	7° 0	7° 0	502	422	65	95	W	2	NE	1	5	5	—	Dull day. 11a.—6p.
4	30	29° 74	65° 1	63° 9	47° 4	76° 4	3° 7	3° 3	499	481	80	81	W	4	W	4	10	10	—	Dull day. 10a.—7p.
5	73	73	62° 8	52° 7	52° 7	65° 9	4° 8	0° 8	417	375	73	94	W	1	SE	1	10	10	250	0 showers from 6a. Dull day.
6	78	89	51° 4	47° 4	47° 1	63° 0	3° 1	2° 1	301	275	80	86	NE	1	NE	2	10	5	100	0 showers till 4p. 2p.
7	90	83	55° 6	55° 8	38° 9	68° 1	4° 1	4° 9	331	317	75	71	W	1	N	1	5	10	—	Fine and sunny.
8	82	79	54° 3	58° 9	48° 6	64° 0	1° 3	1° 0	384	466	91	94	SE	1	SE	1	10	10	—	Dull day.
9	78	61	71° 4	58° 2	55° 9	78° 6	5° 0	0° 7	569	464	73	96	S	1	SE	1	5	10	250	Fine day. 6p.
10	48	42	66° 7	60° 6	55° 0	75° 0	5° 3	2° 2	469	457	72	86	SW	2	W	1	5	7	250	Fine day. 0 at night.
11	25	39	66° 1	59° 8	56° 5	68° 8	3° 7	3° 4	508	409	80	79	W	2	W	2	5	10	—	—
12	46	53	62° 5	61° 1	53° 4	70° 3	4° 3	2° 8	427	447	76	84	W	2	W	2	10	7	—	Dull till 11a., then fine.
13	53	47	59° 5	62° 0	57° 0	71° 7	0° 8	2° 5	483	472	95	85	SW	1	SW	2	10	10	100	0 showers till 10a. Dull day.
14	40	33	62° 7	60° 5	60° 1	70° 1	1° 0	3° 1	535	429	94	82	SW	1	SW	6	10	7	050	0 showers till 4p. 4p.
15	51	73	65° 7	59° 8	55° 4	70° 0	4° 7	3° 4	435	409	74	79	W	6	W	1	5	5	—	till 4p.
16	29° 82	29° 92	66° 4	56° 8	51° 8	71° 6	5° 5	1° 4	457	420	71	90	W	2	W	1	7	10	—	—
17	30° 06	30° 12	59° 5	54° 4	51° 1	64° 0	5° 4	0° 7	352	403	70	95	NW	1	NE	1	10	10	150	0 showers from 2p.
18	16	11	56° 2	51° 4	47° 4	65° 3	4° 1	3° 9	340	283	75	75	NE	1	NE	1	10	0	—	Fine day.
19	04	01	57° 3	61° 5	41° 0	74° 9	8° 0	3° 9	267	422	57	78	NW	1	NW	1	10	10	—	Fine till 4p., then dull.
20	05	06	65° 6	64° 5	57° 3	76° 0	4° 9	4° 6	461	451	74	75	E	1	NW	2	5	7	—	Fine day.
21	12	30° 07	61° 6	60° 6	57° 1	76° 6	6° 1	4° 2	364	401	67	76	NW	1	NW	1	10	7	—	Dull till 9a., then fine.
22	30° 05	29° 89	66° 0	62° 9	51° 0	78° 1	6° 6	4° 1	417	438	66	77	NW	1	W	2	5	10	—	Fine day.
23	29° 71	78	63° 9	55° 2	54° 8	73° 0	3° 5	4° 8	474	310	80	71	SW	2	W	2	10	10	—	—
24	77	69	62° 9	56° 9	52° 4	68° 8	5° 5	1° 3	399	424	70	92	SW	2	SW	1	5	10	150	Dull day. 0 showers from 7p.
25	46	54	57° 0	53° 4	53° 4	70° 3	1° 0	3° 8	434	308	93	76	SW	1	SW	2	10	7	050	0 showers till 9a. 1 p.
26	55	57	57° 6	55° 5	46° 8	68° 3	4° 3	5° 1	354	320	75	70	W	1	NW	1	5	10	—	Dull from 2p.
27	47	21	63° 7	59° 9	50° 0	65° 8	6° 3	0° 4	390	435	66	98	SE	2	SE	6	7	10	350	0 from 5.30p.
28	09	37	65° 4	57° 5	55° 7	69° 5	4° 0	3° 9	485	362	78	77	SW	1	W	6	10	7	—	from 11a.
29	60	57	62° 0	61° 5	53° 1	68° 0	4° 6	3° 9	410	422	74	78	SW	2	SW	6	10	10	030	Dull day. p. 0 at night.
30	44	59	65° 1	57° 2	57° 0	67° 7	5° 5	5° 0	434	330	71	70	SW	6	SW	4	5	7	—	Dull day. till 6p.
31	78	85	61° 1	56° 8	53° 0	69° 6	3° 8	5° 4	418	316	79	68	SW	1	W	1	5	10	—	Fine day.
32	29° 89	29° 03	60° 5	52° 9	49° 0	67° 3	1° 5	1° 5	349	359	66	90	SE	1	W	1	5	10	—	Dull from 4p. T in NW. 2.30p.
Mean	29° 730	29° 728	62° 5	58° 0	52° 2	70° 9	4° 5	3° 0	427	396	75° 2	81° 9	1° 7	2° 1	7° 4	8° 3	1° 730			

WOLFELEE.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	68.6	61.5	48.3	78.8	6.0	1.9	in.	in.	W	W	—	—	ins.	Very fine. ☁ ²
2	29.64	29.61	68.6	61.5	51.8	80.0	8.4	2.9	435	452	SW	SW	—	—	—	Very fine.
3	29.50	29.38	68.8	63.5	54.3	77.5	6.2	3.9	470	456	SW	SW	—	—	—	Dull and blowy.
4	29.28	29.27	61.0	53.5	58.4	78.0	1.4	2.9	490	331	SW	W	—	—	—	☉ a. Fine and clear p.
5	29.30	29.40	51.0	56.0	48.3	66.5	0.4	0.4	364	437	NE	NE	—	—	—	☉ showers a. Distant T in after- noon. Fine p.
6	29.43	29.37	55.0	53.5	31.0	59.0	5.4	2.9	293	331	NE	NW	—	—	—	Fine and bright.
7	29.36	29.37	58.0	60.0	50.3	68.0	0.9	2.4	454	441	NE	NW	—	—	—	Dull a.
8	29.35	29.14	71.0	65.0	53.3	74.0	7.4	4.4	482	466	SW	SW	—	—	—	Fine, bright, and warm.
9	29.05	29.01	66.2	59.8	56.3	82.5	7.1	3.0	407	420	W	W	—	—	—	Fine a. ☉ at night. [showers p.
10	28.89	28.89	60.0	58.5	52.3	72.0	2.2	1.4	447	446	WSW	SW	—	—	—	Fair and blowy a. Dull, with ☉ ⁰
11	29.07	29.07	61.5	60.5	50.3	68.8	3.9	1.4	421	480	SW	W	—	—	—	Dull, with ☉ p.
12	29.15	29.07	65.0	60.0	49.3	68.5	4.4	1.4	466	472	W	W	—	—	—	Fine and blowy a. ☉ showers p.
13	29.01	28.96	61.5	60.0	52.3	71.0	1.9	1.4	483	472	SW	SW	—	—	—	☉ showers all day. Dull and blowy p.
14	29.15	29.32	61.0	59.0	51.0	71.0	4.4	2.4	399	424	SW	SW	—	—	—	Fine and blowy.
15	29.40	29.46	60.0	52.0	45.3	70.2	4.4	0.4	385	377	SW	NW	—	—	—	Fine a. ☉ p.
16	29.58	29.64	60.0	51.0	45.3	72.0	6.4	1.4	335	338	NE	NE	—	—	—	Fine and bright.
17	29.67	29.65	60.0	42.0	44.4	67.0	3.4	1.4	412	237	NE	NE	—	—	—	Fine day.
18	29.57	29.56	58.0	60.0	31.0	63.0	7.6	4.4	283	385	SW	NW	—	—	—	Fine and bright.
19	29.62	29.63	66.0	60.0	51.3	70.5	5.4	2.4	452	441	SW	NW	—	—	—	Fine day.
20	29.65	29.61	61.2	53.5	50.3	71.5	5.1	1.9	384	356	SW	NW	—	—	—	Fine p.
21	29.60	29.49	62.0	58.0	39.4	75.0	6.4	1.9	362	424	SW	SW	—	—	—	Fine and clear.
22	29.33	29.37	61.5	52.0	51.3	75.8	3.9	4.4	421	279	SW	SW	—	—	—	Dull and blowy a. Fine p.
23	29.37	29.32	60.0	56.5	45.4	71.0	4.9	2.9	372	374	W	W	—	—	—	Fine and blowy.
24	29.04	29.14	60.5	50.0	44.9	71.0	2.9	1.9	434	312	W	W	—	—	—	☉ a. Fine and clear p.
25	29.15	29.16	59.0	53.5	44.9	68.0	6.4	3.9	321	307	WNW	SW	—	—	—	Fine and bright.
26	29.02	28.65	61.0	61.0	43.4	65.5	3.4	1.4	427	490	W	S	—	—	—	Fine and bright a. ☉ p.
27	28.70	29.02	60.0	55.0	44.4	69.5	0.9	2.9	488	352	W	SW	—	—	—	Blow, with ☉ a. ☉ showers all day.
28	29.20	29.14	59.5	61.0	43.4	70.0	3.4	2.4	404	458	SW	SW	—	—	—	Dull and blowy a. Fine and clear p.
29	29.06	29.22	61.0	54.0	53.3	65.5	4.4	1.9	397	393	W	SW	—	—	—	Dull and blowy, with ☉.
30	29.37	29.42	59.0	52.5	45.4	65.5	5.4	2.9	344	319	SW	SW	—	—	—	Fine and clear.
31	29.40	29.45	61.0	50.5	44.4	66.0	6.9	0.4	336	356	SW	SW	—	—	—	Fine a. T ☉ noon. ☉ showers p.
Mean	29.304	29.306	61.6	56.6	47.6	70.7	4.6	2.3	408	396	—	—	—	—	—	3.600

SCARBOROUGH.—JULY 1887.

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

1	30.12	30.02	73.4	68.3	59.5	83.8	8.4	8.2	494	412	60	59	SW	2	SW	1	1	3	—	Fine and very hot.
2	30.03	30.02	72.6	62.6	58.0	73.8	9.3	3.3	456	456	56	81	SW	2	SW	1	3	4	—	Very fine.
3	30.01	29.82	73.6	68.6	59.0	80.5	8.8	8.3	489	415	59	59	NE	3	SW	1	8	1	—	Very fine.
4	29.77	29.74	72.8	59.6	48.0	76.3	8.0	2.3	498	437	62	86	SW	4	SW	1	6	10	—	Very fine till noon, then dull.
5	29.69	29.83	56.6	46.9	46.9	60.3	2.6	1.2	382	293	83	92	NW	2	NE	2	9	6	0.60	Fine a. ☉ in afternoon.
6	29.94	29.85	54.1	52.6	45.0	58.3	6.2	3.3	265	311	64	78	N	2	Calm	0	3	10	0.80	Dull a. Very fine later.
7	29.88	29.87	61.1	66.0	52.2	75.3	3.2	6.9	433	410	82	64	S	—	SW	2	10	1	0.10	Fine a., dull later.
8	29.86	29.66	70.3	67.6	57.0	77.3	7.8	6.5	456	447	62	66	SW	1	SW	3	8	—	—	☉ showers. K
9	29.60	29.57	63.6	61.6	61.6	76.3	4.7	4.5	431	406	74	75	SW	4	SW	2	6	5	0.40	Bright and fresh.
10	29.43	29.52	63.6	60.1	57.0	71.1	6.2	4.4	391	385	67	75	SW	4	SW	5	5	8	0.10	Fine day.
11	29.57	29.63	64.6	63.6	58.0	72.0	6.3	4.0	404	454	67	77	SW	2	SW	1	10	8	—	Very fine a. T in afternoon.
12	29.68	29.64	67.4	66.0	60.0	80.3	5.2	4.7	482	472	72	75	SW	3	SW	2	10	2	—	Very fine.
13	29.50	29.53	73.0	64.6	59.0	78.9	7.9	4.4	503	457	62	76	SW	4	SW	1	4	3	0.10	Fine day. K ^{4p} .
14	29.68	29.81	68.5	60.6	56.0	74.3	7.9	5.8	422	357	60	68	SW	3	SW	1	4	5	0.09	Fine, but cool.
15	29.94	29.92	65.1	60.6	52.5	73.5	7.3	3.3	385	424	62	81	SW	1	SW	1	4	5	0.03	Cold wind. ☉ showers.
16	30.01	30.10	64.4	55.3	55.0	64.4	6.3	3.0	400	353	66	81	SW	4	SW	1	4	5	0.10	Fine and fresh.
17	29.10	29.07	53.1	50.9	50.6	56.8	2.8	3.9	329	277	81	75	N	3	N	3	7	4	—	Fine day.
18	29.04	29.06	57.6	51.6	47.0	61.8	8.3	4.8	265	266	56	70	NW	3	S	2	0	0	—	Fine and bright.
19	29.06	29.12	64.4	58.6	49.0	65.3	5.4	3.9	425	377	70	77	NW	3	NW	1	7	7	—	Bright and warm.
20	29.11	29.12	64.6	55.8	55.8	67.6	5.3	2.8	433	365	72	82	N	4	S	1	8	0	—	Fine and very warm.
21	29.08	29.09	66.1	59.8	53.0	74.8	6.8	4.5	413	378	65	74	SW	2	S	3	7	0	—	Fine and fresh.
22	29.85	29.82	71.0	61.6	54.0	79.0	9.2	5.8	430	370	56	68	SW	3	W	2	4	1	0.10	Fine a. Blustering, with ☉ later.
23	29.91	29.85	65.3	59.6	52.0	69.3	10.0	5.3	324	356	51	70	W	4	SW	1	5	2	—	Fine and bright. ☉ at night.
24	29.64	29.61	69.6	59.6	52.0	73.3	8.8	4.0	418	366	57	72	SW	6	W	2	5	3	0.20	Fine a. ☉ at night.
25	29.63	29.63	64.6	56.9	53.3	65.0	10.3	2.6	308	386	50	84	SW	4	SW	3	4	4	0.50	Fine and warm.
26	29.51	29.53	63.3	64.6	53.0	72.3	5.5	3.1	404	498	70	83	E	2	SW	4	0	10	4.50	Blustering. Very fine later.
27	29.23	29.24	66.6	60.9	58.5	73.1	5.3	4.6	407	393	72	74	SW	4	SW	3	4	5	—	Very fine.
28	29.76	29.73	63.9	64.4	55.0	74.8	5.6	6.1	410	406	70	67	S	3	SW	4	9	5	—	Dull, with ☉ a. Bright aft., then ☉.
29	29.66	29.77	63.6	60.2	57.0	69.3	4.1	4.1	451	396	77	76	S	6	SW	2	9	2	—	
30	29.89	29.92	66.1	57.6	53.0	68.8	9.3	3.3	352	378	55	80	SW	2	SW	1	4	5	0.10	
31	29.84	29.93	55.4	56.2	55.4	62.0	2.3	2.4	373	381	86	85	N	1	SE	1	8	10	0.50	
Mean	29.809	29.804	65.2	60.1	54.6	71.3	6.6	4.4	409	390	65.0	75.2	—	—	—	—	—	—	—	0.960

CRONKBORNE (DOUGLAS), ISLE OF MAN.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.		9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	65.8	59.6	49.5	74.6	4.6	2.6	in.	in.	%	%	SE 1	NW 2-3	0	8	ins.	Very fine.
2	30.18	30.10	70.0	58.4	54.7	74.2	5.5	0.8	473	464	71	95	WNW 3	N 2	6	3	—	Very fine.
3	30.01	29.01	71.4	64.8	52.6	72.9	7.1	1.0	499	576	64	94	WSW 2-3	NW 2	6	8	.002	Fine day. Squally
4	29.81	.83	63.8	53.0	53.0	69.3	3.2	1.0	483	374	81	93	NW 2	WNW 1	8	3	—	
5	.82	.90	59.0	51.0	49.2	65.3	3.8	1.0	385	348	77	93	NW 6-7	NW 3	7	3	—	Squally a. Fine day.
6	.94	.89	60.2	54.8	43.2	61.0	5.4	0.3	362	421	69	98	SW 3	Calm 0	8	10	.013	Dull day. (mist) gp.
7	.90	.88	65.6	59.8	54.0	69.8	2.6	1.3	555	472	85	92	WSW 3	SW 2	4	2	—	Fine day.
8	.98	.63	65.4	59.9	51.2	72.8	3.1	0.1	514	513	83	99	SE 4	SSW 2	3	10	.153	Fine day. showers at night.
9	.74	.49	61.1	57.0	55.2	66.2	2.3	0.0	463	465	86	100	SW 3	SSW 4-5	3	10	.868	Fine day. from 6p.
10	.49	.55	61.2	59.3	54.2	64.4	3.4	0.3	431	496	80	98	W 4	Calm 0	2	9	—	Fine a. Dull afternoon.
11	.61	.65	61.8	62.6	56.1	64.9	2.2	1.5	478	514	87	91	W 3	WNW 4	9	10	.030	showers. (force 7) p. from 6p.
12	.67	.58	60.3	58.4	57.2	62.6	0.7	0.0	501	489	96	100	SSW 2-3	SSW 5-6	10	10	.476	Dull, with (mist). Squally
13	.48	.54	57.8	56.2	55.4	62.2	0.1	0.2	476	446	99	99	SSW. 3	WSW 4	10	3	—	Dull a. Fine afternoon. Squally
14	.71	29.84	62.0	57.8	54.5	65.0	0.0	0.8	427	454	77	94	WSW 4-5	WSW 2-3	3	8	.003	Very fine.
15	29.93	30.01	64.6	57.1	54.2	68.0	4.3	0.2	462	461	77	98	NW 2	WNW 1-2	3	7	—	Very fine.
16	30.12	.16	64.3	56.8	50.8	68.0	5.0	1.8	436	408	73	88	N 3	NNW 4	1	9	—	Very fine.
17	.17	.17	60.5	54.0	53.7	61.8	3.6	1.0	406	388	78	93	ENE 3	NNW 4-5	2	2	—	Very fine.
18	.11	.44	58.8	57.0	48.4	66.8	3.8	0.6	383	446	77	96	NW 6	WNW 3	4	7	.002	Squally a.
19	.16	.20	60.7	60.0	52.2	69.3	2.8	1.8	440	459	84	89	NNW 6-7	NNW 5-6	6	4	—	Squally a. and p.
20	.22	.17	62.9	57.5	56.5	70.6	3.5	1.3	456	434	80	91	NW 3-4	NE 3	3	3	—	Very fine.
21	30.14	30.01	63.0	58.0	52.0	68.2	2.6	0.8	487	457	84	94	SE 3	Calm 0	7	8	.005	Fine day.
22	29.89	29.95	60.8	51.8	51.8	69.7	0.4	0.3	520	378	97	98	SW 3-4	WNW 2	9	0	.020	ga. Dull a. in afternoon.
23	.97	.80	60.3	56.4	49.2	65.3	1.9	0.2	462	449	88	93	W 2-3	SW 4-5	9	10	.154	Dull a.
24	.60	.69	60.4	55.0	54.3	61.0	0.1	0.4	522	421	99	97	WSW 3	NW 2	2	10	.021	till 10a. Fine afternoon.
25	.70	.64	60.0	54.4	47.0	65.9	3.6	0.7	406	403	78	95	WSW 2	Calm 0	7	10	—	
26	.41	.13	61.3	58.6	46.5	62.0	3.1	0.1	441	490	82	99	SE 4-5	SSW 5	9	10	.574	Fine a. Overcast, with p.
27	.22	.59	59.7	59.5	56.3	67.0	0.9	3.2	483	410	95	81	SSW 4-6	W 5	9	8	—	Fine, but with squally
28	.71	.64	59.2	60.0	54.5	64.0	0.6	0.2	484	511	97	99	SSW 2	S 5-6	9	10	.140	Dull and squally. p.
29	.60	.77	61.6	57.2	57.2	64.0	1.8	1.7	487	417	89	80	SSW 3-5	W 3	7	3	—	
30	.93	29.93	59.9	55.5	50.5	64.8	3.2	1.2	416	406	81	92	WNW 2	SSW 1	5	8	—	Fine day.
31	29.90	30.00	62.0	57.0	51.0	65.3	2.8	1.0	442	361	83	93	W 2	NW 2	8	6	—	R
Mean	29.836	29.834	62.1	57.2	52.5	66.6	3.0	0.9	461	444	83.0	94.2	3.3	2.8	6.2	6.7	2.461	

HILLINGTON.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
								Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.				
1	ins.	ins.	70.5	65.1	45.3	82.7	8.7	5.5	.436	.433	58	71	SE	1	SW	1	0	7	ins.	Very fine and sunny. [p. 4p. Gloomy	
2	30.25	30.11	72.6	66.4	52.9	83.3	8.9	3.8	.467	.509	58	79	SE	0.5	W	0.5	0	7	—		
3	30.10	29.98	75.4	64.8	52.1	87.3	9.0	4.1	.516	.470	59	78	SW	0.5	SW	0.5	0	1	—		
4	29.89	29.81	76.7	63.8	55.1	85.7	10.9	1.3	.485	.545	53	92	NW	1	W	1	2	10	.058	Very fine, sunny, and hot.	
5	29.78	29.70	58.2	52.4	52.4	68.0	4.5	0.9	.356	.366	74	94	NW	4	NE	3	8	10	.024	Very fine and sunny.	
6	30.04	29.90	58.6	50.6	39.3	69.5	7.2	4.9	.366	.61	72		NW	2	SW	1	2	10	.050	Much cirrus. Breezy.	
7	29.98	29.98	67.8	64.7	56.6	79.3	4.3	2.2	.520	.531	77	88	NW	3	SE	0.5	9	1	—	Very fine, sunny, and breezy. Much [cir. p. 4p.	
8	29.98	29.98	73.8	68.2	53.0	87.4	10.6	7.5	.441	.430	53	62	SW	3	SE	3	3	10	—		
9	29.98	29.98	66.1	66.5	62.0	77.9	6.6	7.1	.419	.413	90	64	SW	5	SW	5	9	9	.017		Cloudy and windy.
10	29.98	29.98	62.6	65.7	56.6	77.5	1.9	3.0	.500	.524	88	84	SW	4	WSW	1	10	10	.004	Sunny, but windy. [● ² sp. T noon.	
11	29.98	29.98	70.8	66.5	57.6	78.9	7.2	5.5	.483	.459	64	71	W	5	W	4	7	5	—		
12	29.98	29.98	71.5	67.7	59.3	85.2	6.8	7.1	.511	.433	66	63	SW	3	SW	1	5	2	—		
13	29.98	29.98	70.7	64.6	56.4	86.4	10.6	1.4	.552	.558	54	91	SW	4	SW	1	4	5	.068	Very fine, sunny, and breezy. T noon.	
14	30.02	30.00	64.9	60.7	49.6	76.3	6.3	3.8	.409	.412	66	78	NW	5	S	0.5	10	3	.110	Very heavy clouds in W. 7p. T 9p.	
15	29.98	29.98	61.6	56.4	55.5	68.6	2.3	0.6	.470	.436	86	96	NE	1	NE	1	10	10	.008	Very heavy clouds in W. 7p. T 9p. [set. 10 early a.	
16	29.98	29.98	60.5	51.8	42.4	62.5	4.8	0.2	.381	.379	73	98	NW	2	NE	1	10	10	.060		
17	29.98	29.98	56.7	47.2	47.2	69.3	6.2	0.6	.296	.309	65	96	NE	2	NNW	1	5	2	—		
18	29.98	29.98	65.7	53.9	36.7	74.3	7.5	2.2	.389	.355	62	85	NE	1	NE	1	1	1	—	Fine and sunny. Angry suit.	
19	29.98	29.98	71.5	58.7	49.0	77.5	9.0	1.1	.444	.459	58	94	NW	2	E	1	0	10	—		
20	30.18	30.12	68.8	55.0	40.2	77.6	9.1	2.1	.397	.373	56	86	E	3	S	1	1	0	—		
21	29.98	29.89	68.2	68.7	45.5	83.6	7.2	7.1	.437	.449	63	63	SE	2	S	0.5	3	8	—	Fine and sunny. Much cir. p.	
22	30.05	30.05	66.8	61.5	53.6	76.0	9.6	4.0	.355	.421	54	78	W	2	S	2	2	5	—		
23	29.81	29.73	67.7	63.8	52.8	81.1	7.0	1.9	.436	.524	64	88	SW	5	W	1	5	10	.036		Fine and sunny.
24	29.73	29.69	67.9	58.8	56.9	78.0	6.8	2.1	.446	.430	65	87	W	1	W	1	5	6	—	Fine and sunny. Much cir. p.	
25	29.61	29.49	68.5	67.9	57.5	78.4	8.9	2.1	.399	.598	57	88	SW	5	SW	5	5	10	.097		Windy.
26	29.49	29.49	68.7	62.8	61.3	77.9	6.1	1.0	.479	.535	68	94	SW	6	SW	2	7	8	—		Fine sunset.
27	29.94	29.90	67.9	62.4	52.9	77.4	7.1	4.8	.436	.410	63	73	SW	4	W	1	5	3	—	Very fine and sunny. Much cir. p.	
28	29.84	29.80	69.9	59.0	57.0	73.6	7.4	1.4	.462	.454	63	92	SW	5	SW	1	10	2	.008		Fine and sunny.
29	30.00	29.97	66.0	58.3	44.9	74.5	6.5	1.9	.421	.428	66	88	W	1	NNE	1	7	9	—		Very fine and sunny. (mist) early a.
31	29.93	29.93	66.6	51.7	51.7	71.4	6.0	0.3	.446	.375	68	98	NE	1	W	1	8	7	.760	Very fine and sunny. T 2.30p. T 2 10p.	
Mean	29.933	29.921	67.7	61.1	52.2	77.4	7.1	3.0	.438	.446	65.4	83.4	2.7	1.5	5.3	6.5	1.356				

CHURCHSTOKE.—JULY 1887.

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

1	29.73	29.70	72.5	59.0	49.6	79.7	10.2	2.0	4.30	4.36	54	SE	1	NW	1	0	0	Bright and clear.
2	29.68	29.68	71.8	56.9	51.1	81.8	9.5	1.9	4.34	4.07	56	NW	1	NW	1	0	2	Bright, clear, and hot.
3	29.65	29.65	71.8	56.2	47.3	83.2	8.5	4.2	4.62	3.35	59	NW	2	NW	1	0	1	Bright, clear, and hot.
4	29.44	29.41	73.5	56.7	46.2	77.3	9.8	2.1	4.57	3.97	56	WSW	2	SW	1	2	10	Bright, clear, and very hot. [● ² from 7.30p.
5	29.43	29.49	57.4	53.9	48.4	65.3	6.6	2.8	2.97	3.36	62	NW	2	NW	1	8	6	Bright, close, and warm.
6	29.54	29.53	63.0	61.5	41.0	68.2	8.2	3.0	3.33	4.47	58	W	1	SW	2	8	8	Breezy and warm.
7	29.54	29.50	67.2	61.8	59.8	76.1	5.5	2.1	4.70	4.80	71	WNW	2	W	1	8	6	Very warm.
8	29.43	29.47	65.8	62.0	51.0	81.7	7.7	2.5	3.85	4.72	61	SSE	3	SE	2	8	10	Cloudy and squally.
9	29.29	29.20	64.0	59.0	53.9	67.9	2.3	3.0	5.12	4.07	86	SW	3	SSE	2	10	8	Squally.
10	29.16	29.24	61.4	60.8	57.2	68.7	6.4	2.1	3.53	4.64	65	WNW	2	W	1	6	6	Warm, squally, and breezy.
11	29.25	29.31	66.0	63.4	59.0	72.3	6.1	3.5	4.31	4.64	68	W	3	W	4	8	8	Very warm.
12	29.35	29.26	64.4	62.5	60.9	72.4	1.1	3.6	5.64	4.47	94	SSE	2	SW	2	10	6	Very warm.
13	29.14	29.23	69.5	59.2	58.7	72.5	7.6	3.2	4.47	4.04	63	SW	2	WSW	1	8	6	Very warm. [● ² showers.
14	29.35	29.50	64.4	54.4	51.0	70.9	6.5	2.7	3.96	3.48	65	WSW	2	W	2	9	7	[● ² showers.
15	29.52	29.58	62.0	52.9	47.5	68.8	5.2	0.9	3.93	3.75	71	SW	1	NW	1	9	5	Warm.
16	29.69	29.73	61.5	48.9	42.5	68.1	5.5	2.0	3.77	2.96	70	NW	1	W	2	8	5	Bright and clear.
17	29.69	29.72	59.0	47.3	42.8	66.1	5.9	1.9	3.33	2.80	67	NNW	2	N	1	9	1	Bright and clear.
18	29.69	29.72	61.0	51.9	41.0	66.7	8.0	2.9	3.11	3.11	58	N	2	NW	1	5	1	Cloudy and breezy.
19	29.73	29.77	61.0	54.9	47.0	69.9	3.5	1.6	4.35	3.84	80	NNW	2	WNW	1	8	0	Bright and hot, but with cool
20	29.76	29.72	63.9	53.4	52.2	74.4	4.8	3.2	4.34	3.33	74	NNW	2	W	1	9	0	Breezy and hot. [wind.
21	29.69	29.61	67.0	60.0	46.8	76.8	6.9	3.0	4.27	4.24	64	NE	2	NW	1	8	2	Breezy.
22	29.50	29.52	68.2	55.9	48.8	75.8	2.3	1.9	5.98	3.89	87	W	2	W	2	0	0	Squally, with [● ² showers.
23	29.60	29.48	63.9	55.9	46.1	75.2	7.9	2.9	3.53	3.65	59	W	2	SSW	1	9	8	Bright a. Threatening p.
24	29.31	29.30	66.0	55.0	54.9	69.9	3.1	0.9	5.26	4.19	83	SW	3	W	1	10	4	Breezy, hot, and threatening. [● ² showers.
25	29.28	29.23	59.0	51.1	49.8	69.8	4.8	2.7	3.60	3.06	72	NW	1	NW	1	8	8	[● ² in past n.
26	29.00	28.87	62.8	61.0	46.0	74.7	8.8	1.1	3.17	4.98	56	SSE	2	SSW	4	8	10	Cloudy and threatening.
27	28.05	28.30	65.0	57.8	55.5	70.3	6.1	3.8	4.16	3.69	68	SW	4	W	3	9	3	Squally.
28	29.37	29.33	64.2	62.0	44.9	71.4	5.9	5.0	4.09	3.99	68	SSW	2	SE	2	8	4	Cloudy, breezy, and threatening.
29	29.30	29.44	59.9	56.3	56.0	69.9	5.1	2.8	3.64	3.73	71	SW	3	W	1	3	3	Bright.
30	29.53	29.54	62.0	56.4	48.4	65.1	7.0	4.4	3.48	3.33	62	NW	2	W	2	10	10	
31	29.49	29.57	59.8	52.7	47.1	67.9	6.8	3.7	3.33	3.02	63	NW	2	WSW	1	5	6	
Mean	29.457	29.459	64.5	56.8	50.1	72.2	6.2	2.7	4.09	3.87	67.5	2.0	1.5	6.8	5.0	1.672		

CARMARTHEN.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				9 a.m.			9 p.m.		
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	S	2	Calm	0	3	0	ins.	—	Fine and warm. ∞.
2	°06	30°04	70°9	68°3	52°9	79°0	6°9	6°8	°494	°453	65	65	Calm	0	N	1	0	1	—	Fine and warm. ∞.	
3	30°04	29°88	77°4	66°8	51°6	82°9	11°9	4°8	°469	°485	51	74	S	1	NW	1	0	0	—	Fine and warm. ∞.	
4	29°82	°74	73°7	62°1	49°4	78°0	8°2	3°8	°509	°433	61	79	SW	2	NE	3	1	10	°020	Overcast and sultry.	
5	°82	°88	62°8	56°3	52°8	68°2	7°4	3°7	°349	°349	61	77	NW	4	NW	2	6	0	—	Fine, but with cool breeze.	
6	°92	°91	64°4	61°5	45°1	71°0	7°6	1°0	°367	°511	60	94	SW	1	SW	1	10	10	—	—	
7	°92	°83	70°9	57°8	57°3	75°2	5°6	1°3	°537	°437	71	91	S	3	Calm	0	7	0	—	—	
8	°71	°64	77°4	57°3	56°3	82°6	13°9	0°8	°415	°446	45	95	SE	4	SW	1	4	10	°350	☉ 8.20p.	
9	°66	°47	65°3	61°0	56°3	66°4	3°3	2°3	°505	°461	82	86	SW	4	SW	4	8	8	°410	☉ showers all day.	
10	°59	°63	64°4	62°3	56°0	69°2	6°3	1°8	°400	°498	66	89	SW	2	SW	3	10	10	°010	☉ showers.	
11	°67	°76	67°1	63°2	57°9	70°8	4°6	1°7	°496	°518	76	90	W	4	W	4	5	10	—	Dull day.	
12	°73	°62	63°4	61°4	60°8	67°2	2°4	0°6	°500	°524	86	97	SW	5	S	3	10	10	°150	Dull day. ☉ showers.	
13	°49	°61	61°8	59°8	59°0	68°5	1°3	1°5	°507	°465	92	91	S	4	SW	3	10	7	°130	☉ showers.	
14	°74	°86	66°0	53°9	53°9	69°9	4°5	1°3	°479	°388	76	91	W	2	Calm	0	7	0	°240	☉ showers.	
15	29°90	29°95	63°1	55°0	51°6	68°1	4°3	2°0	°434	°375	76	87	SW	3	W	1	6	7	°060	☉ 11.40a. ☉ showers.	
16	30°07	30°08	69°4	54°2	47°2	71°9	8°6	2°6	°419	°348	58	83	NW	1	W	4	7	0	—	Fine day.	
17	°06	°10	65°8	52°7	52°3	68°4	7°8	4°4	°382	°287	61	73	N	2	N	4	7	0	—	Fine day.	
18	°10	°09	62°5	53°9	44°5	66°3	7°2	2°3	°349	°351	62	85	N	3	Calm	0	7	0	—	Fine day.	
19	°11	°14	64°8	61°1	50°0	69°2	4°0	2°1	°473	°469	78	87	N	2	N	3	7	0	—	Fine day.	
20	°13	30°04	67°4	62°8	55°2	73°2	6°2	4°9	°453	°413	67	73	NE	3	N	5	10	0	—	Fine day.	
21	30°05	29°95	72°9	59°8	53°0	80°0	9°6	3°1	°453	°418	55	81	N	1	Calm	0	3	6	—	Fine and warm.	
22	29°90	°90	66°2	60°7	51°7	74°7	5°5	2°2	°516	°457	81	87	W	3	Calm	0	10	0	—	Fine and warm.	
23	°98	°82	67°4	60°3	48°8	74°5	8°9	2°1	°379	°454	56	87	S	1	Calm	0	9	10	—	Fine and warm.	
24	°73	°65	65°5	60°0	59°3	69°7	2°3	0°5	°545	°501	87	97	SW	4	NW	1	10	6	°200	Dull day. ☉ showers.	
25	°67	°60	67°9	55°2	53°6	68°8	8°8	4°6	°391	°313	56	72	NW	2	W	1	3	8	—	—	
26	°42	°24	65°8	59°3	47°4	69°0	7°0	0°6	°403	°485	64	96	SW	4	SW	2	8	10	1°580	☉ from 11a.	
27	°35	°69	64°8	58°0	57°8	68°5	4°1	1°6	°470	°433	78	89	SW	5	SW	1	7	4	°020	☉ 2 in past n.	
28	°74	°68	65°5	63°8	56°8	70°5	3°2	3°3	°511	°477	83	81	S	4	S	6	9	10	°320	Cloudy and windy.	
29	°67	°85	64°8	52°9	52°8	68°2	5°8	0°3	°421	°393	69	98	SW	5	Calm	0	8	0	—	Dull a. Fine p.	
30	°93	29°88	62°8	50°2	47°5	67°8	6°3	1°1	°375	°334	66	93	W	1	Calm	0	7	0	—	Fine day.	
31	29°89	30°07	63°8	53°7	42°6	67°2	7°4	1°1	°365	°381	62	92	W	1	Calm	0	5	0	°280	T ☉ 2 showers from 1p.	
Mean	29°839	29°828	67°0	58°9	52°7	71°6	6°3	2°3	°446	°429	68°2	86°2	2°7		1°7	6°6	4°4	3°770			

SOUTHAMPTON.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	72.5	62.0	48.9	79.0	10.6	5.0	in.	39.9	52	72	E	2.5	SW	1	0	ins.	Very warm.	
2	30.28	30.20	72.5	62.0	48.9	79.0	10.6	5.0	in.	39.9	52	72	E	2.5	SW	1	0	—	Very warm throughout.	
3	30.19	30.17	74.8	67.5	51.0	82.4	10.0	5.9	47.6	465	55	69	SW	2	Calm	0	1	—	Very hot all day. Δ^0 9p.	
4	30.14	30.01	77.5	67.6	54.8	84.3	9.8	5.3	535	551	56	82	S	1.5	W	0.5	0	—	Very hot all day. Pleasant breeze p.	
5	29.93	29.84	77.2	68.6	54.5	89.0	9.6	5.1	535	509	57	73	W	1.5	NW	2.5	3	2	Beautiful day.	
6	29.88	29.94	63.0	59.4	56.7	74.1	6.1	4.5	384	373	67	74	NNE	3	NW	1	9	1	Fine and pleasant.	
7	30.08	30.08	68.8	61.9	48.0	75.0	8.1	3.6	424	447	60	81	W	1.5	SW	2.5	1	10	Cloudy and close a. Beautiful later.	
8	30.09	30.04	65.8	62.6	59.6	75.4	3.0	5.6	386	392	83	69	SW	1.5	SW	1	10	0	Very warm, but with pleasant breeze.	
9	29.96	29.81	74.5	69.0	52.9	79.6	7.9	7.0	535	457	62	64	SE	3	SSE	1.5	1	10	Beautiful, with pleasant breeze.	
10	29.86	29.81	68.5	63.5	60.7	73.6	7.5	2.4	435	465	62	85	SW	2	SW	2	8	10	till 3a. Day beautifully fine.	
11	29.73	29.80	71.6	63.5	57.5	75.6	9.0	1.7	447	526	57	90	NW	4	SW	3	7	1	Beautiful and very warm.	
12	29.84	29.93	64.1	65.9	60.6	80.8	1.1	2.8	558	534	93	84	SW	1.5	SW	2	10	8	Fine and pleasant.	
13	29.95	29.87	65.1	63.4	58.3	70.6	3.9	2.3	483	520	78	86	SW	2.5	SE	1.5	10	9	Fine and pleasant.	
14	29.73	29.80	69.2	60.9	58.1	73.6	4.4	1.5	542	484	76	91	SW	1.5	SW	5.5	9	2	Fine and pleasant.	
15	29.93	30.02	65.9	60.9	58.9	70.5	4.0	1.6	494	481	78	91	WSW	3	SW	2	10	5	Beautiful day.	
16	30.06	30.05	69.2	62.0	54.9	74.5	6.9	2.0	464	487	64	88	SSW	1.5	SW	1.5	7	10	Beautiful day.	
17	30.14	30.14	69.8	64.9	56.1	77.2	9.5	5.2	402	440	55	72	NW	3	NW	1	1	9	Beautiful day and warm.	
18	30.14	30.15	65.9	58.4	54.2	73.8	7.3	2.7	397	408	63	83	NE	1.5	NE	2	9	5	Beautiful a. T 3.30p.	
19	30.18	30.15	61.5	61.5	46.8	73.1	5.8	4.3	370	410	68	75	N	2.5	E	1	1	8	Beautiful day throughout.	
20	30.20	30.14	68.3	62.5	46.8	77.7	7.1	3.4	443	452	64	80	NNE	3	SE	1.5	1	0	Beautiful day throughout.	
21	30.17	30.11	70.8	64.8	51.6	83.1	5.7	2.8	533	513	71	83	NE	0.5	SW	0.5	1	2	Beautiful throughout and very warm.	
22	30.00	29.97	72.7	66.5	50.1	80.6	6.7	4.9	487	501	84	83	NE	2	SE	0.5	10	1	Beautiful and very warm.	
23	30.11	30.03	73.6	60.9	54.7	79.2	11.0	2.2	427	462	51	87	NNW	2	SW	2	4	—	Beautiful day, with pleasant breeze.	
24	29.93	29.82	65.0	62.5	56.1	74.7	3.4	2.5	497	480	81	85	SW	2.5	WSW	2	10	1	Dull a. Beautifully fine and warm p.	
25	76	73	66.7	62.5	60.6	76.2	3.2	5.5	537	393	82	69	SW	1	NW	2	10	5	a. Fine and warm later.	
26	66	54	68.0	63.5	53.2	72.1	6.6	0.0	453	554	66	95	S	3	SW	4.5	9	10	Fine and pleasant a. from 6p.	
27	29.62	29.87	66.0	61.5	59.0	72.0	4.0	1.9	490	483	78	89	SW	4.5	SW	2.5	10	2	Beautiful day, with pleasant breeze.	
28	30.00	29.95	67.6	64.4	58.5	71.8	5.6	5.3	475	429	70	71	SW	3	SW	1.5	9	9	Beautiful day.	
29	29.89	29.98	64.7	61.1	67.1	8.0	2.5	505	457	83	85	SW	2.5	SW	1	10	0	—	a. Fine and pleasant from 2p.	
30	30.05	29.97	65.5	59.3	51.0	71.6	5.7	3.7	435	392	70	78	SW	1	W	1	9	8	Beautiful day throughout.	
31	29.96	30.07	68.5	60.5	53.2	77.2	9.5	4.0	382	403	54	77	NW	2	W	1.5	2	1	—	Beautiful day throughout.
Mean	29.989	29.973	68.6	63.1	55.0	76.3	6.4	3.5	472	463	68.0	80.3	2.2	1.7	5.8	4.3	0.797	—	Beautiful day throughout.	

BABBACOMBE.—JULY 1887.

Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.
Long. $3^{\circ} 31' W.$ Lat. $50^{\circ} 29' N.$

1	30°05	29°58	65°6	59°0	54°1	70°5	6°3	4°9	*419	*357	67	72	ENE 2	WSW 1	0	1	—	\overline{D} n. and p. Very fine.
2	29°06	'94	73°0	62°4	55°2	77°7	9°0	1°5	*470	*511	68	91	NE 1	NNE 1	0	1	—	\overline{D} n. ∞^0 till 4p. Very fine. \overline{D}^2
3	'93	'80	71°3	62°7	57°3	74°7	7°4	3°8	*487	*444	64	79	NE 2	Calm 0	0	2	—	\overline{D} n. Fine day. \overline{D}^0 p. \overline{D}^2 p.
4	'94	'66	72°8	65°1	58°5	84°1	7°9	3°3	*501	*501	63	82	NE 1	NW 3	1	4	—	∞^0 a. Fine day. Humidity 46 $\frac{1}{2}$ % \overline{D}^0 p.
5	'70	'77	66°1	57°2	56°5	60°6	9°2	4°5	*353	*343	56	73	NW 4	NW 2	4	3	—	Squally a. Clear to sp. Very dusty. [Splendid sunset.
6	'85	'86	61°9	61°0	52°1	60°8	3°1	2°7	*451	*447	82	84	SSE 2	WSW 2	8	9	—	Clear noon—5p. \overline{D} p.
7	'85	'80	68°1	58°9	58°9	75°6	5°0	3°8	*503	*384	74	78	WSW 3	ENE 1	9	0	—	Parhelion 7.20p. \odot^2 11p.
8	'67	'57	70°1	63°1	56°3	74°4	8°5	1°1	*433	*539	59	93	SSE 3	SW 3	2	10	—	\odot^0 11.15a. \odot^0 11.15a.
9	'62	'52	67°4	58°1	56°3	71°9	5°3	1°1	*480	*449	72	93	SW 5	SSW 5	6	10	—	
10	'54	'60	64°2	63°0	57°0	71°7	3°7	1°9	*487	*509	81	89	WSW 3	WSW 3	9	8	—	
11	'62	'73	69°1	62°0	61°4	76°8	3°8	1°1	*562	*518	80	93	W 4	SW 3	8	2	—	\overline{D} p.
12	'70	'61	65°0	60°1	59°4	66°3	2°0	0°0	*545	*520	88	100	SW 3	S 3	9	10	—	\odot^0 showers all day. Gloomy 7.30p.—9p.
13	'48	'58	64°7	60°9	59°0	60°9	2°7	1°5	*514	*483	85	91	SSW 4	WSW 3	9	3	—	\odot^0 showers till 1p. \overline{D}^0 (mist) p.
14	'68	'79	62°9	58°9	58°4	72°7	2°3	2°6	*494	*418	87	85	WSW 3	W 1	10	2	—	Dull till 11a. \overline{D} p.
15	'81	'84	68°0	57°9	54°4	68°0	5°3	1°9	*491	*422	72	88	SSE 2	WNW 2	9	3	—	\overline{D} n. and p. \odot^2 showers. \overline{D}^2 6.20p.
16	'94	'95	65°3	59°5	53°0	74°9	6°0	5°6	*424	*346	68	60	NE 1	NNW 3	4	1	—	\overline{D} in past n.
17	'92	'91	64°1	58°7	55°1	65°4	5°0	3°8	*431	*381	73	78	NE 2	NNE 5	7	1	—	\overline{D}^0 (mist) a. \odot ga. \overline{D}^0 11.40a.
18	'97	'95	64°6	58°1	53°0	70°5	8°6	5°0	*346	*343	57	72	NNE 2	NNW 3	2	0	—	Fine day. \overline{D}^0 11.40a.
19	'96	'95	66°1	66°0	51°3	73°8	7°2	5°4	*403	*453	64	71	NE 3	NNE 3	1	0	—	Fine day. \overline{D}^0 11.40a.
20	'98	'91	69°3	68°0	59°7	78°4	5°3	5°1	*516	*498	72	73	NE 2	NNE 1	0	1	—	∞^0 a. and p. Very fine.
21	'93	'87	68°7	61°0	60°7	73°4	6°3	2°8	*473	*444	67	83	ENE 1	SW 2	4	2	—	\overline{D}^0 (mist) till 8p. \overline{D}^0 p.
22	'79	'79	69°5	63°1	57°2	78°9	5°7	2°3	*507	*498	70	86	ENE 1	NW 3	1	1	—	\overline{D}^0 (mist) till 9a. Day fine and clear.
23	'89	'81	66°6	61°1	56°4	75°8	4°4	4°2	*494	*407	76	77	ENE 1	WNW 1	1	6	—	\odot 2.25p.—6.15p. \overline{D} 4p.
24	'70	'60	69°3	63°1	57°0	74°1	5°3	1°7	*516	*518	72	89	WSW 4	WSW 3	7	9	—	
25	'56	'52	68°6	57°9	57°9	75°7	6°5	5°3	*465	*333	66	69	NW 2	NW 1	2	9	—	
26	'40	'23	65°8	62°0	54°3	68°6	3°7	0°0	*501	*556	80	100	S 3	SSW 5	8	10	—	\odot^2 4a. \odot noon—4p. Clear from 9a.
27	'37	'65	65°1	60°0	58°3	71°1	3°0	1°0	*511	*483	84	94	WSW 6	WSW 3	8	3	—	\odot 10a. Gloomy p.
28	'73	'68	65°4	62°8	58°2	70°4	2°4	2°2	*537	*494	86	87	S 4	SSW 4	9	9	—	Squally a. \odot showers till noon. \overline{D} p.
29	'64	'78	65°4	58°2	58°2	71°8	4°3	2°3	*475	*415	77	85	WSW 3	W 1	9	1	—	\overline{D}^0 (mist) a.
30	'82	'79	66°9	58°3	52°1	68°9	7°7	5°7	*403	*339	61	68	ENE 1	NW 2	7	7	—	\overline{D} p.
31	29°78	29°88	66°3	55°7	51°1	70°8	8°2	1°8	*379	*391	59	88	WNW 1	WNW 1	2	1	—	\overline{D} in past n.
Mean	29°759	29°752	67°0	60°8	56°4	72°8	5°5	2°9	*470	*443	71°6	83°2	2°5	2°4	5°0	4°2	1°370	\overline{D} p.

LONDONDERRY.—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	68°7	61°2	53°5	75°5	1°8	1°3	in.	in.	%	%	SW	1	W	2	8	10	ins.	°30	Fine and warm all day.
2	"14	30°14	63°0	63°7	61°0	70°0	3°1	1°8	"471	"527	82	80	W	2	NW	1	10	10	"050	● showers.	
3	30°02	29°06	67°0	61°7	61°0	72°0	4°1	0°8	"512	"522	78	95	S	3	SW	2	8	10	"310	Fine day. ● in evening.	
4	29°00	29°04	60°0	53°7	51°0	68°0	3°1	2°8	"420	"336	81	81	NW	2	NW	1	10	4	—	Fine all day.	
5	"94	30°03	58°7	51°0	49°6	67°5	4°8	1°4	"356	"338	73	90	NW	2	NW	1	10	5	—	Fine all day.	
6	"98	29°01	56°2	60°7	46°0	67°0	4°3	0°8	"335	"505	74	95	SW	2	SW	2	10	6	"020	Fine all day. ● at night.	
7	"88	"84	68°7	66°7	58°0	75°0	0°3	0°8	"688	"623	98	95	SW	2	S	2	9	5	—	Fine all day.	
8	"71	"64	68°2	58°7	57°8	79°5	0°3	0°8	"676	"469	98	95	S	2	SW	2	5	10	"240	TK ● sp.	
9	"62	"40	66°7	61°7	53°0	71°0	2°8	0°1	"551	"547	85	99	SW	1	SW	2	4	10	"080	● showers all day.	
10	"52	"60	62°0	58°7	55°0	67°0	1°1	0°8	"517	"469	93	95	SW	3	W	2	5	10	"040	● showers all day.	
11	"62	"68	63°0	60°7	56°0	70°5	0°4	0°8	"562	"505	98	95	S	2	W	2	10	10	"150	● in afternoon.	
12	"60	"47	64°2	60°0	58°0	73°0	3°8	1°6	"470	"466	78	90	SW	2	SSW	2	10	10	"280	● showers in evening.	
13	"40	"46	62°7	56°7	53°8	72°0	2°8	2°8	"475	"378	84	82	S	2	W	2	9	10	"300	● showers during day. TK 3p.	
14	"71	29°88	61°6	55°2	50°0	67°0	6°0	2°8	"366	"357	67	82	W	1	SW	1	3	5	"070	● at night.	
15	29°08	30°12	58°7	56°7	50°0	65°0	2°8	1°9	"408	"403	83	88	W	2	NW	1	9	5	"240	Fine in afternoon. ● n.	
16	30°23	"28	60°4	56°7	51°0	66°0	4°8	2°8	"380	"378	72	82	NW	2	N	2	7	10	"150	● p.	
17	"31	"31	61°7	57°2	53°0	67°0	7°3	3°0	"336	"381	61	81	N	3	NNW	1	3	10	—		
18	"25	"24	60°2	59°7	53°0	64°0	6°3	1°8	"340	"454	65	89	NW	2	NW	1	10	10	"010	—	
19	"30	"32	65°7	62°7	56°0	71°0	6°3	2°8	"421	"475	67	84	NW	2	NW	3	7	10	—		
20	"30	"26	64°7	61°7	58°0	71°0	5°8	1°3	"419	"505	69	92	NW	2	Calm	0	10	10	"030	Fine all day.	
21	30°17	"02	64°7	62°7	59°0	72°0	4°1	2°1	"470	"497	77	88	W	2	W	2	10	10	"120	Fine all day.	
22	29°03	30°01	60°7	54°7	52°0	69°0	5°1	2°8	"377	"350	71	82	W	2	NW	2	10	3	"010	Fine all day.	
23	"99	29°75	57°7	57°7	53°0	63°5	1°3	2°8	"437	"394	91	83	W	1	SW	2	10	10	"220	● showers p.	
24	"67	"75	58°7	52°7	52°7	65°3	1°8	1°5	"438	"356	89	89	NW	2	NW	1	10	1	"020	Fine all day.	
25	"75	"65	57°7	54°7	50°0	62°5	2°1	2°1	"335	"369	70	87	NW	1	SE	2	8	10	"030	—	
26	"34	"07	61°0	58°2	52°0	63°0	5°0	2°0	"383	"424	72	87	SE	4	SW	2	10	2	"600	Fine till noon, then ●.	
27	"11	"37	63°2	56°7	53°8	68°0	3°8	2°8	"453	"378	78	82	SW	3	SW	2	9	6	—	Fine all day.	
28	"63	"46	60°7	62°7	55°0	69°0	4°1	2°8	"403	"475	77	84	SW	2	S	4	10	8	"060	● p.	
29	"49	"79	59°7	55°4	51°0	68°0	2°8	3°5	"424	"343	83	78	SW	3	WSW	2	8	6	"070	● showers during day.	
30	"65	29°04	59°7	53°7	52°0	67°0	6°8	0°8	"322	"390	63	94	W	2	WSW	1	8	5	"190	● showers during day.	
31	29°06	30°09	58°7	54°7	50°0	67°0	3°3	2°8	"395	"350	80	84	W	2	Calm	0	6	0	—	Fine and clear all day.	
Mean	29°858	29°862	62°1	58°4	53°7	68°8	3°7	1°9	"444	"434	78°9	88°0	2°1	1°7	8°3	7°5	3°300				

ARMAGH.—JULY 1887.

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

1	30°08	30°04	60°8	63°8	50°0	78°3	8°2	3°9	*437	*461	60	78	SSW 2	NW 0°5	10	9	—
2	30°02	30°01	60°9	63°9	50°3	77°3	6°6	2°2	*486	*517	67	87	SW 1	ENE 0°5	8	4	*010
3	29°54	29°54	60°7	62°3	56°8	73°5	7°1	1°1	*466	*523	64	93	SW 2	W 1	9	10	*237
4	*78	*81	63°7	50°8	50°1	69°0	3°7	3°1	*465	*294	78	79	WNW 1	NW 1	10	2	—
5	*81	*88	58°5	51°8	49°0	67°5	4°7	2°8	*356	*313	72	81	WNW 1	NNE 1	10	10	—
6	*86	*80	56°0	58°9	45°1	64°0	4°1	0°0	*338	*499	75	100	S 2	S 1	10	8	*115
7	*79	*74	67°9	64°0	58°2	75°7	5°1	4°0	*497	*461	72	77	SW 3	S 2	8	2	—
8	*61	*51	67°3	59°9	56°1	74°5	7°3	1°0	*421	*484	63	94	SSE 3	SSW 1	9	10	*077
9	*50	*30	63°1	60°6	53°7	71°0	6°0	0°0	*389	*509	68	96	SSW 1	S 2	8	10	*311
10	*42	*49	63°8	58°5	53°9	67°5	6°8	2°7	*378	*408	64	83	WSW 1	W 1	8	10	*090
11	*51	*58	60°1	60°8	56°2	67°8	1°5	1°2	*471	*493	91	93	SW 2	SW 1	10	10	*043
12	*50	*37	65°2	61°6	59°0	60°4	4°3	0°6	*472	*527	77	96	SSW 3	SSW 3	10	10	*050
13	*30	*40	62°8	57°8	57°2	70°8	3°6	2°9	*453	*394	79	82	SSW 3	SW 2	10	8	*570
14	*61	*77	62°9	57°9	53°5	68°1	5°8	3°3	*391	*385	68	80	SW 2	SSW 0°5	6	10	—
15	29°86	29°97	61°7	55°0	47°8	67°6	5°1	0°5	*391	*418	71	97	WSW 1	S 0°5	8	5	*080
16	30°09	30°14	61°3	54°7	48°0	65°5	6°1	0°9	*360	*403	66	95	WNW 1	N 0°5	7	10	*138
17	*14	*17	63°4	52°8	51°4	65°0	5°0	2°6	*422	*330	72	82	NNE 1	NNW 1	7	8	—
18	*11	*08	55°9	60°7	48°0	67°5	1°1	1°7	*416	*474	94	90	NW 1	WSW 1	10	10	—
19	*16	*18	67°0	62°9	56°1	73°9	5°2	2°0	*477	*505	72	88	NW 1	NNW 1	6	8	—
20	*16	30°12	62°8	61°6	59°0	70°2	2°9	2°7	*474	*460	83	84	NW 1	NW 0°5	10	10	—
21	30°04	29°90	64°9	63°9	58°3	68°2	5°7	3°4	*425	*478	69	80	W 0°5	S 1	10	8	*012
22	29°81	*00	63°7	54°0	53°9	60°3	4°8	2°6	*432	*344	73	82	WNW 1	W 2	6	3	—
23	*89	*68	59°3	57°8	50°2	62°8	3°3	1°8	*403	*424	80	88	WSW 1	SSW 3	10	10	*457
24	*56	*63	60°2	53°6	53°2	67°7	3°2	2°6	*420	*339	81	82	WSW 1	WSW 1	10	9	—
25	*63	29°53	57°0	54°9	50°0	60°0	5°0	2°0	*327	*375	70	87	WSW 1	S 0°5	10	10	*010
26	*26	28°99	59°2	58°9	52°8	62°5	6°2	2°0	*328	*435	65	87	SSE 4	S 2	10	4	*090
27	*05	29°51	62°9	56°9	54°6	66°5	4°1	3°3	*438	*368	76	80	SW 3	SW 2	10	8	*231
28	*54	*38	60°8	61°8	55°0	67°2	3°8	0°0	*413	*521	78	94	S 3	S 3	10	10	*050
29	*43	*71	61°6	54°2	53°8	66°7	3°7	3°0	*429	*337	79	80	SSW 3	S 2	10	7	*180
30	*84	*85	58°9	54°6	49°1	65°0	5°0	1°6	*354	*380	71	89	SW 2	SSW 0°5	6	9	*018
31	29°84	29°95	60°7	51°6	49°4	64°6	5°7	0°5	*361	*368	68	97	SW 1	SW 0°5	9	7	*445
Mean	29°746	29°748	62°6	58°1	53°1	68°4	4°9	2°0	*416	*427	73°1	87°1	1°7	1°3	8°9	8°0	3°214
T 0.2 shower 2p. Squally.																	
Overcast all day.																	
T 2p.—3p.																	

MARKREE CASTLE (SLIGO).—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
								Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	70.2	59.2	46.2	70.6	6.1	1.4	ins.	ins.	88	92	Calm	0			ins.	
2	30.15	30.11	70.2	59.2	46.2	70.6	6.1	1.4	50.8	45.8	88	92	Calm	0	4	10	—	
3	30.10	30.08	67.1	63.1	56.3	74.2	2.0	2.0	58.7	50.8	88	88	SW	1	9	5	—	
4	29.99	29.91	68.1	62.4	54.6	74.9	4.0	0.5	53.6	54.6	78	97	S	2	10	10	3.60	
5	87	91	62.0	54.5	53.9	63.0	5.2	3.6	39.4	32.8	71	77	NW	3	8	9	—	
6	91	96	59.0	55.2	52.5	62.2	6.9	3.2	31.0	34.7	62	80	N	2	10	10	1.20	
7	89	85	54.8	61.1	50.0	67.1	0.8	1.0	40.6	50.4	94	94	SE	1	10	10	0.60	
8	82	75	66.9	63.9	57.2	73.8	4.1	3.8	51.0	46.5	77	78	SE	2	9	5	—	
9	58	67	67.8	58.0	57.0	70.0	7.6	1.9	42.1	42.4	62	88	SE	4	7	5	0.40	
10	63	59	64.1	56.0	48.3	68.0	5.0	1.9	43.3	39.4	73	88	SE	1	7	5	0.60	
11	48	57	66.8	58.9	50.6	67.7	7.2	3.7	41.6	38.7	63	77	SSW	1	6	10	0.90	
12	56	62	63.0	60.9	55.0	67.7	2.0	2.0	50.6	46.9	88	88	S ?	2	10	10	1.30	
13	51	40	64.1	58.1	57.7	67.0	3.8	1.6	46.9	43.5	79	89	S	4	9	10	1.60	
14	31	46	63.0	57.0	56.1	67.3	4.2	3.5	43.7	36.4	76	78	S	2	7	8	1.50	
15	69	29.84	60.1	51.2	50.5	67.2	5.3	1.7	36.3	33.3	70	89	W	3	8	5	—	
16	29.93	30.06	60.2	54.9	39.3	63.7	5.0	1.9	37.2	37.6	71	88	W	1	8	4	0.60	
17	30.18	22	59.0	57.4	41.8	64.0	4.9	3.3	35.7	37.6	72	80	WNW	1	9	10	0.40	
18	24	27	60.4	56.1	47.6	67.2	5.1	3.6	37.3	35.2	71	77	N	1	1	8	—	
19	20	18	60.0	58.8	51.6	63.7	5.5	0.7	35.7	47.4	69	96	N	1	1	9	0.10	
20	26	27	60.3	61.4	56.0	66.1	5.1	1.3	42.5	50.0	81	93	W	1	10	10	0.20	
21	24	30.21	62.0	60.0	57.8	67.7	1.8	0.6	49.4	49.8	96	96	N	1	10	10	0.50	
22	30.11	29.97	64.1	60.2	54.1	69.4	3.1	2.1	49.1	45.3	82	88	S	2	1	8	0.40	
23	29.90	98	60.1	55.8	55.3	63.9	4.0	2.7	39.7	37.0	77	83	NNW	3	10	7	—	
24	95	73	58.9	59.4	52.1	62.9	3.3	1.1	39.8	47.1	80	94	Calm	0	10	7	—	
25	65	72	60.1	53.2	52.3	63.6	3.8	2.1	40.2	34.7	78	86	N	2	10	10	5.30	
26	70	55	58.0	54.3	50.0	61.2	5.1	1.1	34.0	39.0	71	92	WSW	1	9	10	0.50	
27	12	54	59.1	57.1	53.0	65.9	0.8	3.0	47.6	37.9	95	81	SE	5	10	6	0.40	
28	52	38	61.3	59.4	54.4	66.0	3.2	2.1	43.8	44.0	81	88	W	1	8	7	0.20	
29	49	79	61.1	53.2	52.4	64.7	6.0	2.7	36.0	33.3	67	82	S	3	9	110	—	
30	90	29.91	62.1	51.4	48.8	64.2	6.4	0.4	36.4	36.9	66	97	SW	2	5	7	0.50	
31	29.90	30.03	57.9	50.1	45.4	61.6	2.8	1.0	39.7	33.6	83	93	S	1	5	8	3.10	
Mean	29.806	29.817	62.0	57.4	51.9	66.5	4.2	2.0	42.5	41.5	75.4	87.4	1.7	0.8	8.2	7.9	3.480	

DUBLIN (PHENIX PARK).—JULY 1887.

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

1	30.16	30.08	70.3	66.8	46.8	74.8	8.4	5.0	44.0	48.1	60	73	ENE 1	Calm 0	2	9	—	Beautiful day.
2	30.10	30.07	68.6	66.3	52.9	75.4	6.9	3.2	45.4	52.9	65	82	Calm 0	Calm 0	2	7	—	Bright a. Cloudy p.
3	30.03	29.93	70.6	66.3	58.1	77.6	7.8	3.3	46.4	52.5	62	81	W 1	Calm 0	6	8	—	Beautiful day.
4	29.83	88	65.9	53.7	53.5	72.2	2.3	4.6	55.2	20.3	87	71	W 2	Calm 0	7	2	—	Cloudy day.
5	88	92	58.7	56.2	46.9	67.0	7.0	6.0	30.5	29.7	62	65	WNW 2	NNW 1	9	7	—	
6	93	87	57.4	60.3	46.6	67.9	2.4	2.0	40.0	45.9	85	88	SW 2	Calm 0	10	8	—	
7	87	83	70.4	61.8	52.6	75.0	8.8	3.0	43.1	45.4	57	83	SW 2	Calm 0	4	2	—	Dull, with a. showers p.
8	68	60	65.2	61.1	57.0	72.2	5.4	3.1	43.9	43.8	71	81	E 1	Calm 0	4	3	—	
9	58	42	62.6	60.7	51.6	73.0	4.6	1.0	41.9	49.7	74	94	SSW 3	SSW 4	3	10	—	Cloudy day. showers p.
10	52	58	59.6	63.0	52.0	70.3	2.8	4.2	42.3	43.7	83	76	WSW 2	W 4	10	7	—	Beautiful a. showers p.
11	62	70	61.4	63.9	58.3	72.4	1.7	3.4	48.7	47.8	90	80	WSW 1	WSW 1	10	8	—	Cloudy day.
12	61	48	65.9	64.8	60.9	70.3	5.9	3.2	43.5	50.1	68	83	SSW 3	S 4	9	9	—	Dull with a. Cloudy with squally
13	41	52	64.9	60.2	58.1	71.4	5.3	4.0	43.7	39.9	71	76	S 3	SSW 3	7	1	—	Dull and cloudy. showers p.
14	71	29.85	64.5	58.4	54.4	68.9	8.6	3.5	34.5	38.5	57	79	WSW 2	Calm 0	4	9	—	showers.
15	29.93	30.01	62.1	54.6	51.0	69.0	5.5	2.0	38.7	37.0	70	87	WSW 1	Calm 0	8	2	—	Cloudy day.
16	30.14	19	61.3	54.1	46.6	67.1	7.2	1.4	33.3	37.9	62	90	NNE 1	Calm 0	6	4	—	Cloudy day.
17	18	21	63.0	51.8	50.8	65.0	6.6	3.0	37.1	39.9	65	80	NNW 2	Calm 0	4	1	—	
18	18	15	60.0	62.7	44.5	68.0	7.1	4.1	31.9	43.5	62	76	NW 2	Calm 0	9	9	—	
19	21	22	65.5	65.3	55.7	74.6	6.8	3.1	40.4	51.3	65	82	NW 2	Calm 0	2	4	—	Bright a. Cloudy p.
20	22	30.18	63.8	59.2	54.9	69.8	3.4	1.4	47.7	45.8	80	92	Calm 0	Calm 0	9	9	—	Cloudy a. Dull p.
21	30.11	29.98	66.0	61.8	47.9	70.0	6.2	4.0	42.8	42.4	67	77	Calm 0	Calm 0	9	9	—	Dull a. Cloudy p. at night.
22	29.87	97	66.6	58.3	57.0	71.1	4.8	4.5	48.3	35.8	74	73	WSW 3	WNW 1	9	5	—	Cloudy day. Much cir. p.
23	99	82	61.3	60.0	48.6	68.8	6.5	3.2	35.0	41.7	65	81	WSW 2	SSW 2	7	10	—	Cloudy day.
24	63	71	61.5	58.5	57.8	70.8	1.2	4.6	50.5	35.9	93	73	W 1	Calm 0	10	8	—	Dull, with a. showers a. Cloudy p.
25	71	60	58.9	57.6	48.6	65.5	6.6	4.3	31.6	35.4	63	75	W 1	SSW 1	9	8	—	showers.
26	34	11	60.3	60.9	48.1	66.6	4.5	4.3	38.7	40.1	74	76	SE 4	S 4	9	2	—	Beautiful day, but with squally
27	19	61	64.6	58.9	55.4	70.1	6.2	5.2	40.7	34.9	67	70	SSW 5	SSW 1	6	7	—	Dull and cloudy.
28	64	51	64.3	64.0	56.0	69.2	5.9	2.7	41.0	50.2	68	84	S 4	SSW 4	9	10	—	
29	55	81	62.8	56.6	56.0	66.7	6.0	4.7	38.5	33.0	68	72	SW 4	SW 2	8	2	—	
30	93	29.91	59.9	57.4	51.8	67.3	6.6	3.7	32.9	36.5	64	77	W 2	Calm 0	6	9	—	Cloudy day.
31	29.90	30.00	61.2	52.5	49.1	66.8	6.9	2.0	33.9	34.1	63	87	Calm 0	Calm 0	3	2	—	Cloudy day. Distant T in E. noon.
Mean	29.827	29.829	63.5	59.9	52.6	70.2	5.7	3.5	40.8	41.4	69.7	79.5	1.9	1.0	6.8	6.2	0.985	

PARSONSTOWN (BIRR CASTLE).—JULY 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			9 p.m.
1	ins.	ins.	69.7	64.3	49.0	77.6	6.7	4.3	479	457	66	76	SW 1	WSW 1	7	10	ins.	☁ ⁰ (mist) before ga.
2	" 11	30.08	68.4	62.2	51.9	75.5	5.5	3.1	492	456	71	82	SW 2	Calm 0	10	3	—	☁ ⁰ (mist) gp.
3	30.03	29.93	70.0	64.4	51.6	75.6	6.0	2.3	508	523	69	87	SW 2	SW 1	7	8	"	235
4	29.85	" 90	63.9	55.4	54.9	71.8	2.1	3.1	519	353	88	81	NNW 2	NNW 1	10	8	—	
5	" 91	" 93	58.2	59.4	46.0	67.8	4.7	4.2	352	381	73	75	Calm 0	Calm 0	10	10	—	
6	" 89	" 87	61.1	62.8	51.9	71.6	2.8	2.0	447	503	84	88	Calm 0	Calm 0	10	8	—	
7	" 84	" 77	71.8	64.6	55.8	75.6	7.8	3.4	485	490	62	81	SSW 1	SSE 1	3	9	—	
8	" 58	" 56	67.1	60.6	58.8	75.3	5.4	1.8	473	470	72	89	SSE 3	Calm 0	10	8	"	206
9	" 53	" 43	68.3	59.4	51.0	69.8	6.7	1.8	454	449	65	90	SSE 2	SW 1	7	7	"	587
10	" 51	" 59	60.4	61.8	50.5	68.4	2.3	3.0	450	453	87	82	SSE 1	SW 1	10	10	"	115
11	" 59	" 67	62.7	62.8	57.2	70.6	2.1	0.9	497	540	88	94	SW 3	SSW 1	10	10	"	010
12	" 55	" 43	67.3	61.2	59.4	69.8	5.2	1.3	482	497	73	92	SSW 5	S 1	10	8	"	104
13	" 34	" 51	67.1	59.2	57.4	68.8	5.6	2.1	467	436	71	88	SSW 5	SW 2	4	4	"	128
14	" 70	29.83	62.8	56.2	53.0	66.2	6.9	1.6	361	405	64	90	SW 3-4	Calm 0	9	10	—	Squally a.
15	29.93	30.02	61.4	58.8	49.6	69.4	5.2	2.2	384	427	71	87	SW 1	Calm 0	10	7	"	010
16	30.15	" 18	62.0	59.4	44.8	68.8	5.0	4.0	399	386	72	76	N 1	Calm 0	4	8	—	
17	" 20	" 22	59.8	52.8	50.2	67.6	5.0	2.0	366	345	71	86	NW 2	Calm 0	9	2	—	
18	" 19	" 16	61.2	60.4	46.0	69.4	6.2	1.4	356	479	66	92	WNW 3	Calm 0	5	10	—	Morning observations taken at 9.30a.
19	" 22	" 24	65.0	63.0	57.4	75.4	5.0	1.6	447	520	73	90	NW 2	Calm 0	1	4	—	
20	" 23	" 18	66.2	65.2	59.9	70.7	4.2	2.9	493	517	77	84	Calm 0	Calm 0	10	10	—	
21	30.11	30.00	65.3	61.8	55.8	74.4	3.7	2.0	493	484	80	88	Calm 0	Calm 0	10	7	—	
22	29.89	29.98	63.9	60.8	56.0	69.8	3.0	2.8	490	380	83	82	W 2	Calm 0	10	8	—	
23	" 06	" 80	62.3	58.8	49.3	68.6	6.1	0.8	374	470	67	95	WSW 1	SSW 1	10	10	"	402
24	" 05	" 72	60.8	57.4	56.8	68.3	1.0	3.3	499	376	94	80	NW 1	Calm 0	10	8	"	010
25	" 70	" 55	60.0	59.6	47.8	64.9	6.0	3.2	344	411	66	80	SW 2	Calm 0	10	9	—	
26	" 21	" 07	62.7	59.4	52.8	66.4	2.1	1.5	497	458	88	91	SE 4	SSW 1	10	1	"	265
27	" 19	" 58	59.4	58.7	54.2	66.6	2.2	2.4	437	420	87	86	SSW 4	SSW 1	3	6	"	023
28	" 56	" 44	63.5	60.8	55.6	66.8	3.6	2.4	465	461	80	87	SSE 2	SSW 2	10	7	"	379
29	" 55	" 82	59.1	55.0	54.8	64.4	1.3	3.2	460	344	92	80	SW 3	Calm 0	9	8	"	020
30	" 91	29.90	59.8	53.8	48.8	63.4	5.3	1.0	359	385	70	93	SW 2	Calm 0	1	8	"	421
31	29.89	30.01	57.8	52.4	47.2	64.8	3.9	2.4	367	330	77	84	Calm 0	Calm 0	7	4	—	☉ ² showers all day.
Mean	29.890	29.821	63.5	59.6	52.8	69.8	4.5	2.4	442	439	75.7	85.7	1.9	0.5	7.9	7.4	2.915	

DUNROBIN CASTLE.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	53.7	54.3	47.6	61.2	3.2	3.8	in.	in.	90	90	NW	NW	—	ins.	☉ showers p.	
2	30.15	30.09	53.7	54.3	47.6	61.2	3.2	3.8	.326	.320	79	76	NW	NW	—	.130	Fine, but with fresh breeze.	
3	30.17	30.11	53.7	54.3	47.6	61.2	3.2	3.8	.273	.269	59	77	NW	NW	—	—	Fine and very warm, with light breeze.	
4	30.18	30.12	53.7	54.3	47.6	61.2	3.2	3.8	.336	.359	61	82	W	SE	—	—	Dull and warm, with light breeze.	
5	30.19	30.13	53.7	54.3	47.6	61.2	3.2	3.8	.382	.428	94	87	S	NW	—	—	Fine and warm a. ☉ p.	
6	30.20	30.14	53.7	54.3	47.6	61.2	3.2	3.8	.410	.388	78	83	SE	S	—	—	Dull a. Fine p.	
7	30.21	30.15	53.7	54.3	47.6	61.2	3.2	3.8	.442	.430	89	88	SE	SE	—	—	☉ showers.	
8	30.22	30.16	53.7	54.3	47.6	61.2	3.2	3.8	.359	.336	82	72	N	NW	—	—	Blow, with ☉ showers. Squally p.	
9	30.23	30.17	53.7	54.3	47.6	61.2	3.2	3.8	.407	.393	78	84	W	W	—	—	Squally p.	
10	30.24	30.18	53.7	54.3	47.6	61.2	3.2	3.8	.308	.251	65	69	NW	W	—	—	Breezy p.	
11	30.25	30.19	53.7	54.3	47.6	61.2	3.2	3.8	.285	.258	71	73	NW	S	—	—	Fine p.	
12	30.26	30.20	53.7	54.3	47.6	61.2	3.2	3.8	.311	.284	83	81	SE	W	—	—	Dull, with ☉ showers.	
13	30.27	30.21	53.7	54.3	47.6	61.2	3.2	3.8	.313	.289	88	91	W	W	—	—	Cold a. ☉ showers p.	
14	30.28	30.22	53.7	54.3	47.6	61.2	3.2	3.8	.265	.248	70	79	W	W	—	—	Cloudy.	
15	30.29	30.23	53.7	54.3	47.6	61.2	3.2	3.8	.282	.272	72	81	W	SW	—	—	☉ showers.	
16	30.30	30.24	53.7	54.3	47.6	61.2	3.2	3.8	.257	.360	68	95	NW	S	—	—	Cloudy.	
17	30.31	30.25	53.7	54.3	47.6	61.2	3.2	3.8	.358	.355	81	88	S	NW	—	—	☉ showers.	
18	30.32	30.26	53.7	54.3	47.6	61.2	3.2	3.8	.357	.330	88	87	S	SW	—	—	Dull, with ☉ showers.	
19	30.33	30.27	53.7	54.3	47.6	61.2	3.2	3.8	.334	.322	80	86	SE	NW	—	—	Fine a. and p. ☉ showers mid-day.	
20	30.34	30.28	53.7	54.3	47.6	61.2	3.2	3.8	.343	.291	75	79	W	NW	—	—	Dull a. Fair p.	
21	30.35	30.29	53.7	54.3	47.6	61.2	3.2	3.8	.268	.266	74	78	S	SE	—	—	Dull, with ☉. Fair p.	
22	30.36	30.30	53.7	54.3	47.6	61.2	3.2	3.8	.248	.256	70	73	W	SW	—	—	Fine day.	
23	30.37	30.31	53.7	54.3	47.6	61.2	3.2	3.8	.314	.403	82	93	S	NE	—	—	Fine and breezy.	
24	30.38	30.32	53.7	54.3	47.6	61.2	3.2	3.8	.404	.393	77	93	NW	W	—	—	Fine a. Dull p.	
25	30.39	30.33	53.7	54.3	47.6	61.2	3.2	3.8	.424	.372	87	76	S	NW	—	—	☉ showers.	
26	30.40	30.34	53.7	54.3	47.6	61.2	3.2	3.8	.404	.414	77	77	SE	SE	—	—	Fine day.	
27	30.41	30.35	53.7	54.3	47.6	61.2	3.2	3.8	.416	.428	88	87	E	E	—	—	Fine a. ☉ showers.	
28	30.42	30.36	53.7	54.3	47.6	61.2	3.2	3.8	.418	.418	81	86	SE	SE	—	—	Fine a. ☉ showers.	
29	30.43	30.37	53.7	54.3	47.6	61.2	3.2	3.8	.397	.431	68	86	E	E	—	—	Dull and windy.	
30	30.44	30.38	53.7	54.3	47.6	61.2	3.2	3.8	.437	.414	94	86	E	E	—	—	Fine a. ☉ showers p.	
31	30.45	30.39	53.7	54.3	47.6	61.2	3.2	3.8	.413	.371	84	95	E	NE	—	—	Fine a. ☉ showers p.	
Mean	29.89	29.88	56.0	53.8	49.1	61.2	3.6	2.7	.352	.346	78.2	83.0	—	—	—	—	2.500	Fine a. ☉ showers later.

BRAEMAR.—AUGUST 1887.

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

1	28.93	28.93	56.2	51.2	46.0	64.3	4.7	3.7	326	286	72	76	SW	1	SW	0.5	7	7	0.30	Fine day.
2	28.95	29.08	52.2	51.5	45.1	63.5	4.7	5.3	275	255	71	67	NW	1	N	1	4	4	—	Fine day.
3	29.07	29.07	57.4	57.8	36.4	72.3	5.9	4.3	312	357	66	75	NW	0.5	SW	0.5	1	3	—	Fine day.
4	29.05	28.99	62.8	59.6	41.3	73.3	5.3	4.8	403	368	71	72	SW	1	SW	1	2	7	—	Fine and dry.
5	28.92	85	66.4	62.3	47.4	71.5	10.9	8.6	319	313	49	56	SW	4	SW	1	6	8	0.20	Fine and dry.
6	80	69	59.4	55.1	54.2	62.4	5.7	1.6	343	388	68	89	SW	2	SW	1	7	9	0.50	Dull and damp.
7	68	75	60.3	54.3	53.0	63.2	5.8	4.1	354	313	68	74	NW	4	SW	6	8	7	—	Fine day.
8	61	64	61.7	56.8	54.3	63.3	5.2	4.1	389	347	72	75	SW	6	SW	4	7	7	0.20	Fair, but with gusty wind.
9	69	79	59.1	47.3	47.2	61.7	8.4	3.8	280	240	56	74	NW	0.5	NW	8	5	4	—	Gusty wind.
10	89	94	48.7	47.5	46.3	58.5	4.2	5.5	247	210	72	65	NW	4	N	1	7	7	0.20	Clear and cold.
11	84	82	49.5	48.5	44.0	59.7	5.0	2.8	241	274	68	81	NE	0.5	N	1	5	7	0.10	Fair a. ☉ showers p.
12	73	75	51.5	45.0	45.0	54.5	6.0	2.3	242	247	64	83	NW	0.5	NE	0.5	7	7	0.10	Fair, but cold.
13	74	73	48.5	45.6	43.3	53.8	6.8	2.1	198	259	59	85	E	2	N	0.5	2	6	0.20	Fair, but cold.
14	72	77	46.5	48.2	41.9	50.7	3.6	3.7	237	251	75	75	NW	2	NW	0.5	6	7	—	Dull and cold.
15	73	63	51.3	51.5	42.3	60.2	7.0	3.0	221	305	59	80	NW	0.5	SW	2	2	7	0.30	☉ showers.
16	57	60	55.3	50.5	48.0	61.7	3.8	1.0	335	342	77	94	SW	0.5	SW	0.5	6	6	0.60	Fair a. ☉ p.
17	60	66	53.5	48.4	36.6	60.5	4.8	0.9	287	317	71	94	SW	0.5	NE	0.5	6	9	—	☉ showers.
18	66	74	50.7	48.2	46.3	58.5	3.2	2.5	291	276	79	83	N	0.5	N	2	9	8	0.20	☉ showers.
19	74	79	49.5	49.5	44.5	58.8	2.0	2.8	304	286	87	81	N	0.5	NE	0.5	6	8	0.50	Dull and cold.
20	81	84	47.5	44.8	43.1	53.5	2.2	2.2	276	247	85	83	NE	1	NW	0.5	6	8	0.10	Fine day.
21	84	83	48.5	50.5	39.1	61.5	5.7	3.7	217	277	64	76	NW	1	SW	0.5	6	6	—	Fine day.
22	75	66	50.7	55.5	37.3	57.5	2.4	2.7	309	365	84	83	NE	0.5	SW	2	8	5	0.20	Dull, with ☉ showers.
23	71	81	60.6	58.6	51.2	64.3	5.9	2.1	355	428	68	87	S	0.5	SW	0.5	6	7	0.20	Fine day.
24	79	74	59.6	54.1	52.3	65.7	4.1	2.6	387	346	76	83	SW	0.5	SW	0.5	6	4	—	Fine day.
25	66	68	60.6	54.5	43.5	69.5	4.4	2.0	393	368	75	87	SW	0.5	SW	0.5	7	4	—	Fine day.
26	49	42	57.4	57.6	45.5	71.5	2.6	3.1	395	384	84	81	SW	1	SW	0.5	7	8	2.50	Fine a. ☉ p.
27	49	52	58.8	56.3	51.2	66.5	3.5	3.8	391	349	79	77	S	0.5	SW	0.5	6	3	—	☉ a. Fine p.
28	48	45	62.6	52.8	43.3	69.5	5.8	1.0	387	372	68	93	SW	2	SW	0.5	6	4	1.20	Fair a. K 2p.—6.30p.
29	29	24	54.5	54.0	47.2	62.5	1.0	0.7	396	397	94	95	SW	1	SW	1	10	7	0.50	Fine and mild.
30	17	16	52.5	51.8	48.2	60.5	1.0	2.1	368	331	94	85	SW	4	SW	1	10	7	0.50	☉ showers.
31	28.03	28.13	54.3	52.5	46.3	59.5	0.5	2.7	408	324	97	82	SW	1	SW	1	9	8	0.60	
Mean	28.69	28.70	55.1	52.3	45.5	62.4	4.6	3.1	319	317	73.3	80.4	1.5	1.3	6.1	6.4	2.130			

LAUDALE.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.		
1	ins.	ins.	57.8	53.0	43.6	61.9	3.5	2.0	377	347	79	86	Calm	0	W 2	5	10	ins.	Cloudy all day.		
2	30.24	30.22	57.8	53.0	43.6	61.9	3.5	2.0	377	347	79	86	WNW 3	WNW 2	3	9	—	—	Fine all day.		
3	30.33	30.32	57.8	53.0	43.6	61.9	3.5	2.0	377	347	81	86	Calm	0	Calm	0	10	3	—	Dull a. Day fine and warm.	
4	30.43	30.45	57.8	53.0	43.6	61.9	3.5	2.0	377	347	63	59	NNE 3	S 4	8	7	—	—	Dull, with squally p.		
5	30.57	30.59	57.8	53.0	43.6	61.9	3.5	2.0	377	347	64	63	NE 4	NE 4	8	8	0.30	—	Dull and close all day. ☉ p.		
6	30.96	30.96	57.8	53.0	43.6	61.9	3.5	2.0	377	347	86	91	Calm	0	NE 3	10	10	2.20	☉ a. ☉ 2 from 4p.		
7	30.99	30.96	57.8	53.0	43.6	61.9	3.5	2.0	377	347	77	88	SE 3	SW 4	8	10	5.30	—	☉ a. ☉ showers all day.		
8	29.93	29.97	51.9	56.0	45.6	59.8	0.2	1.0	381	430	99	93	SW 8	SW 4	10	10	3.30	☉ a and a.			
9	30.00	30.06	56.9	53.0	51.0	60.9	3.0	4.2	375	295	81	73	SW 4	NW 4	7	4	0.10	☉ (mist) ☉ showers.			
10	21	23	58.6	52.2	49.6	68.5	6.4	3.2	316	308	64	79	NW 3	Calm	0	7	10	—	☉ (mist) a. and p.		
11	30.12	30.05	54.0	52.2	49.5	57.7	4.3	2.0	303	337	73	86	NW 2	Calm	0	8	10	1.00	Fine all day. ☉ (mist) a. and p.		
12	29.89	29.84	52.0	54.0	50.5	68.5	1.0	5.0	361	288	93	69	NNW 1	SSE 1	10	10	1.20	☉ (mist) a. and p. ☉ 2 showers			
13	96	96	51.6	49.3	46.9	57.9	4.7	1.9	268	304	71	87	SE 3	Calm	0	5	8	0.20	Day fine. ☉ 2 s.sop. ☉ (mist) p.		
14	96	98	52.2	51.6	44.5	57.2	4.2	3.6	285	292	73	76	NNW 3	WSW 1	10	8	—	—	Cloudy and threatening.		
15	94	82	52.0	53.3	43.0	61.3	2.5	1.3	323	370	83	91	ESE 1	SE 1	10	10	0.20	—	Cloudy and threatening.		
16	73	75	57.0	51.2	51.2	64.5	3.0	1.9	377	328	81	87	SE 2	Calm	0	4	3	—	—	Fine all day. ☉ (mist) p.	
17	79	86	54.3	51.5	45.0	59.3	2.3	2.5	357	329	85	83	NW 2	W 1	8	8	0.10	☉ (mist) a. ☉ Cloudy all day.			
18	91	94	52.7	52.8	49.8	58.2	2.0	2.0	344	345	86	86	N 4	W 2	8	8	—	—	(mist) a.		
19	95	29.95	54.3	50.3	47.3	61.0	2.4	0.5	354	352	84	97	Calm	0	Calm	0	10	3	1.10	☉ (mist) a. ☉ Calm all day.	
20	29.99	30.03	54.7	48.3	48.3	67.0	2.3	2.9	363	269	85	80	N 1	WNW 1	3	1	—	—	☉ (mist) a. ☉ Fine all day.		
21	30.03	30.00	51.4	46.0	40.3	55.3	3.6	1.5	290	276	77	90	Calm	0	Calm	0	10	4	0.10	Calm and cloudy all day.	
22	29.88	29.82	54.7	57.0	46.0	62.1	2.4	2.2	360	399	85	86	ESE 4	WNW 2	10	10	3.50	—	☉ (mist) a. ☉ all day from ga.		
23	90	92	56.0	61.9	54.5	64.9	0.5	2.9	434	457	97	83	NE 2	Calm	0	10	9	0.50	☉ a. Day fine.		
24	91	75	60.9	64.1	55.0	68.6	3.9	6.9	411	380	78	64	E 2	SE 4	8	8	—	—	Fine all day. ☉		
25	74	73	61.5	63.0	60.6	66.8	3.8	3.2	425	468	79	81	SE 4	SE 2	8	8	—	—	☉ a. ☉ Very close and hot all day.		
26	58	47	67.0	60.0	59.0	67.9	5.0	1.8	483	459	73	89	SE 3	SE 3	7	10	6.50	—	Dark, with ☉ (mist) a. ☉ 2 from 14p.		
27	59	61	68.8	62.0	55.8	67.7	2.6	4.0	448	427	84	77	SE 2	S 3	8	5	1.10	—	☉ (mist) a. ☉ Day fine.		
28	58	52	61.2	61.0	59.0	64.7	2.8	3.7	449	419	83	79	SE 2	E 1	9	4	1.40	—	☉ showers a. ☉ T. o.sop.		
29	42	37	62.3	58.0	57.5	65.5	4.2	2.1	426	418	77	86	SE 2	Calm	0	9	3.00	—	☉ (mist) a. ☉ Day cloudy. ☉ 2 s.p.		
30	32	28	60.6	58.0	55.7	63.9	1.7	3.0	408	393	88	81	SW 2	ESE 1	10	9	2.20	—	☉ 2 showers. ☉ Squally p.		
31	29.20	29.30	58.8	57.9	54.7	62.5	3.6	2.9	388	394	78	82	Calm	0	Calm	0	10	10	2.60	—	Cloudy all day.
Mean	29.888	29.867	57.1	55.8	51.1	63.3	3.4	2.9	373	367	79.8	82.1	2.3	1.6	8.1	7.6	3.710	—	—	—	

GLASGOW.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	ins.	
2	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
3	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Fine and sunny.
4	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
5	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Fine day.
6	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Dull and warm.
7	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	888	Gloomy and overcast, with ☉.
8	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	010	Cloudy, with squally ☼.
9	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Dull and overcast, with squally ☼.
10	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Cloudy with squally ☼.
11	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Fine and sunny.
12	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
13	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
14	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	200	Dull and overcast.
15	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
16	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
17	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
18	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
19	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	250	☉ showers. T° 2p.
20	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Dull and cloudy.
21	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
22	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
23	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	228	Gloomy and overcast.
24	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
25	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	Dull and cloudy.
26	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
27	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	150	Gloomy and overcast, with ☉.
28	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	—	
29	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	320	☉ shower.
30	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	020	☉ a. Cloudy day.
31	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	400	☉ showers.
Mean	50.1	50.1	59.3	54.7	45.2	62.7	5.9	2.0	338	348	67	81	W	4	SW	1	4	10	2218	Very ☉.

WOLFELEE.—AUGUST 1887.

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

1	29.54	29.56	59.0	54.0	44.4	68.5	5.4	2.9	344	337	69	81	SW	SW	—	—	Fine day.
2	54	56	58.0	53.5	48.4	68.0	5.4	2.4	332	343	69	84	NW	SW	—	—	Fine day.
3	56	58	58.5	51.0	36.0	66.0	5.9	0.9	327	351	66	94	SW	SW	—	—	Very fine and clear.
4	56	58	58.5	51.0	36.0	66.0	5.9	0.9	327	351	66	94	SW	SW	—	—	Very fine and clear.
5	55	55	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
6	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
7	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
8	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
9	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
10	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
11	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
12	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
13	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
14	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
15	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
16	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
17	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
18	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
19	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
20	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
21	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
22	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
23	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
24	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
25	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
26	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
27	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
28	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
29	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
30	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
31	54	54	56.0	50.0	44.4	70.0	6.9	3.9	409	398	74	77	SW	SW	—	—	Very fine and bright.
Mean	29.54	29.56	59.0	54.0	44.4	68.5	5.4	2.9	344	337	69	81	SW	SW	—	—	Very fine and bright.

SCARBOROUGH.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	61.3	56.1	47.3	67.3	6.3	4.5	355	327	60	73	E 2	SW 2	4	1	ins.	
2	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
3	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
4	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
5	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
6	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
7	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
8	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
9	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
10	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
11	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
12	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
13	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
14	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
15	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
16	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
17	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
18	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
19	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
20	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
21	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
22	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
23	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
24	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
25	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
26	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
27	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
28	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
29	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
30	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
31	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	
Mean	30.03	30.04	61.3	53.7	51.3	63.3	5.4	2.2	360	352	70	85	NW 3	N 2	7	5	—	

STONYHURST.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.	Vapour Tension.	Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	59.4	53.8	49.0	64.1	4.4	3.376	32.7	74	79	W 1	W 1	9	6	ins. 0.029	Fine and sunny.	
2	29.86	29.96	57.0	54.1	51.1	62.8	4.7	3.334	33.3	72	79	NW 2	Calm 0	9	0	—	Fine and sunny.	
3	29.99	29.97	61.0	53.3	44.0	64.8	7.0	3.334	34.3	62	84	W 1	Calm 0	7	0	—	Fine and sunny.	
4	29.94	29.88	64.1	62.9	47.1	73.9	5.4	4.422	32.7	71	57	NNE 1	N 1	0	0	—	Sultry a. Day fine and sunny.	
5	29.83	29.74	62.4	67.0	54.0	76.0	4.1	4.431	39.5	77	60	Calm 0	Calm 0	0	10	—	Fine, but sultry. Overcast later.	
6	29.71	29.69	65.9	63.2	59.9	78.4	6.6	4.416	39.0	66	67	Calm 0	Calm 0	0	10	—	Overcast and sultry.	
7	29.69	29.82	60.9	57.8	55.4	64.0	5.9	3.359	34.4	67	72	WNW 4	Calm 0	7	6	—	Fine, warm, and sunny.	
8	29.76	29.73	59.1	63.1	52.9	68.7	2.0	3.438	45.8	88	79	WNW 4	W 2	10	10	—	Overcast, gloomy, and threatening.	
9	29.71	29.69	61.0	57.0	56.6	64.6	3.0	3.439	37.4	82	80	W 5	W 3	10	10	—	Overcast and gloomy a. Fine and	
10	29.73	29.75	60.0	54.4	48.9	67.0	7.9	3.301	33.5	58	79	SE 1	WSW 1	5	8	—	Fine, sunny, and warm. [sunny later.	
11	29.72	29.65	57.5	54.3	46.6	59.1	7.4	2.281	30.8	59	73	NE 1	NW 1	8	10	—	Overcast p.	
12	29.57	29.50	54.0	54.0	50.2	60.0	3.1	2.332	34.4	79	82	WSW 1	WNW 1	10	10	0.045	Overcast and gloomy. ☉ 11.30a.	
13	29.47	29.58	50.6	48.2	48.2	54.0	1.6	2.215	27.6	89	83	NE 1	Calm 0	10	10	—	Overcast and gloomy.	
14	29.60	29.66	55.1	50.5	37.9	60.0	5.3	2.297	29.9	68	82	WSW 1	W 1	4	7	—	Fine and sunny.	
15	29.64	29.53	55.8	53.9	45.3	61.2	4.8	3.319	25.7	71	61	SW 1	Calm 0	7	10	—	Overcast p.	
16	29.42	29.39	59.0	58.2	43.8	66.0	6.8	3.312	29.6	62	61	NNE 1	NE 1	0	10	0.021	Fine and sunny a. [gloomy p. Overcast and	
17	29.44	29.47	55.0	51.9	51.9	59.8	2.0	3.375	35.9	87	93	NE 1	Calm 0	10	10	0.112	Overcast, with ☉.	
18	29.49	29.54	57.3	50.9	46.6	59.9	4.2	3.351	30.8	75	83	Calm 0	Calm 0	8	10	0.100	Overcast and gloomy, with ☉ p.	
19	29.56	29.56	56.0	49.9	41.8	59.8	4.0	3.340	33.3	75	93	Calm 0	NE 1	9	10	0.160	Overcast and gloomy, with ☉ p.	
20	29.59	29.66	58.9	54.0	47.9	62.0	6.4	3.321	33.2	64	79	BNE 1	Calm 0	7	0	—	Fine and sunny.	
21	29.70	29.71	54.7	50.4	46.2	59.9	4.3	2.314	29.4	73	81	WNW 1	NW 1	8	0	—	Fine and sunny.	
22	29.68	29.64	58.0	58.4	40.9	65.9	4.9	3.345	33.5	72	75	Calm 0	W 1	5	10	—	Fine and sunny. Overcast and gloomy [later.	
23	29.66	29.66	63.0	57.7	50.1	68.7	5.0	3.516	41.4	32.3	72	68	WSW 1	N 1	7	9	—	Fine and sunny.
24	29.61	29.53	63.1	62.4	53.0	74.0	6.4	3.378	35.3	66	63	63	Calm 0	Calm 0	0	8	—	Fine, sunny, and sultry.
25	29.51	29.43	64.0	62.5	55.6	73.9	8.0	3.351	40.5	59	82	ESE 1	Calm 0	9	7	—	Cloudy and sultry.	
26	29.31	29.26	66.2	61.9	57.4	67.9	5.2	4.462	48.9	72	89	SSE 1	WSW 2	10	10	0.370	Overcast, sultry, and gloomy, with ☉ p.	
27	29.37	29.36	59.2	59.0	51.9	69.9	2.6	3.422	39.6	85	80	SSE 1	Calm 0	10	5	—	Fine, sunny, and sultry.	
28	29.33	29.24	66.1	58.4	56.1	71.3	5.6	4.448	44.5	71	91	SSE 2	Calm 0	0	10	0.150	Fine, sunny and sultry a. ☉ 2.5p.	
29	29.16	29.18	59.6	59.9	57.7	65.9	2.7	3.426	40.2	83	78	SW 2	SW 1	9	10	0.120	Overcast a. Fine, but with fresh wind p	
30	29.19	29.02	60.0	58.1	56.1	66.0	4.0	3.395	42.6	76	87	WSW 3	S 1	8	10	0.630	Fine and sunny p. Overcast, with ☉	
31	28.92	29.10	56.7	56.1	54.9	59.9	1.6	4.412	39.3	90	87	SW 2	WSW 2	10	10	0.470	Overcast, with ☉ showers. [later.	
Mean	29.581	29.571	59.4	56.7	50.3	65.5	4.7	3.370	35.8	73.1	77.6	1.3	0.7	7.0	7.5	2.198		

HILLINGTON.—AUGUST 1887.

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

Day.	30.14	30.15	61.4	60.1	43.4	72.6	4.6	2.9	4.00	4.27	74	83	NW	4	SW	1	2	2	0.002	Very fine and sunny. ☉ K
1	29.14	29.22	57.0	52.8	48.2	72.7	3.2	1.3	3.70	3.64	80	91	W	0.5	NNE	0.5	10	5	—	☉ p.
2	29.24	29.25	64.2	57.9	42.6	74.7	7.8	5.1	3.60	3.39	60	70	N	1	W	2	3	1	—	Very fine and sunny.
3	29.23	29.17	66.7	55.9	47.0	80.4	9.0	3.1	3.67	3.58	56	81	W	2	W	1	0	0	—	Very fine and sunny.
4	29.15	29.11	68.7	57.0	47.2	77.4	8.0	2.3	4.25	3.97	60	85	SE	1	E	1	0	4	—	Very fine and sunny. ☉ p.
5	29.02	29.98	73.7	66.8	52.8	86.9	10.5	8.0	4.39	3.94	54	60	S	1	SW	1	2	8	—	Very fine and sunny.
6	29.00	29.00	70.7	60.8	53.6	78.5	7.1	6.1	4.85	3.01	64	65	SW	3	SW	0.5	6	0	—	Very fine and sunny.
7	29.06	29.09	65.9	66.0	46.7	81.8	7.8	5.8	3.84	4.67	60	70	W	3	NW	1	6	2	—	Very fine and sunny. ☉ p.
8	29.08	29.00	64.9	62.2	56.5	71.8	5.8	3.5	4.22	4.44	60	80	NW	4	W	3	8	3	—	Very fine and sunny.
9	29.09	29.03	61.9	53.4	52.2	67.4	9.2	2.7	2.97	3.35	53	82	NW	3	NW	2	6	4	—	Very fine and sunny.
10	29.06	29.07	60.8	52.1	49.5	66.9	9.1	3.3	2.86	3.04	54	78	NW	2	NW	0.5	8	0	—	Very fine and sunny.
11	29.06	29.06	62.2	56.3	43.2	67.5	9.1	2.6	3.03	3.75	53	83	W	1	W	1	6	10	2.34	☉ at night.
12	29.72	29.70	55.0	54.5	52.0	58.0	0.7	0.7	4.12	3.75	95	96	E	1	W	0.5	10	10	3.58	☉ early a., and during day.
13	29.88	29.92	51.9	48.4	48.0	64.6	1.6	1.7	3.44	2.97	89	88	NW	3	NW	0.5	4	0	—	Very fine and sunny. ☉ p.
14	29.01	29.03	59.9	54.9	39.5	66.7	6.2	4.0	3.38	3.24	66	75	NW	1	SE	2	6	4	—	Very fine and sunny.
15	29.71	29.73	65.7	51.0	48.2	68.6	10.0	2.3	3.30	3.15	52	84	SE	2	SE	0.5	2	0	—	Very fine and sunny.
16	29.70	29.67	58.7	55.5	48.0	63.0	3.9	2.6	3.78	3.66	77	83	SE	1	E	2	8	8	0.018	Overcast, with ☉.
17	29.72	29.80	60.7	50.9	50.9	62.9	4.5	0.3	3.93	3.65	74	98	N	1	N	1	7	10	0.278	☉ 2.
18	29.81	29.77	57.0	52.4	44.6	61.0	3.8	0.3	3.57	3.85	76	98	NW	3	NE	1	8	10	0.092	Fine and sunny. ☉ 0 later.
19	29.82	29.94	60.2	49.4	47.6	61.8	5.5	0.7	3.60	3.34	69	95	NE	4	NE	1	6	3	—	☉ p.
20	29.97	29.97	57.8	49.9	45.8	60.8	4.9	1.2	3.42	3.28	72	92	N	1	W	0.5	8	0	—	☉ p.
21	29.02	29.91	61.8	55.3	41.0	75.1	6.5	3.6	3.57	3.38	65	78	W	1	SW	0.5	0	4	—	Very fine and sunny. ☉ p.
22	29.97	29.96	64.7	59.1	47.1	78.2	7.1	4.4	3.85	3.70	62	75	S	1	SW	1	3	2	—	Very fine and sunny.
23	29.92	29.87	66.8	56.3	50.0	78.3	7.1	3.6	4.18	3.51	64	78	SW	0.5	S	1	10	2	—	Fine and sunny p. ☉ p.
24	29.81	29.74	70.7	63.7	48.6	83.8	6.1	6.0	5.16	4.00	68	68	SW	2	S	2	3	3	—	
25	29.66	29.69	74.9	60.5	53.5	82.3	10.2	10.0	4.72	2.65	54	51	S	3	SE	1	6	10	0.112	
26	29.73	29.72	63.2	61.2	59.0	71.7	2.5	1.6	4.92	4.85	85	91	SW	1	S	1	10	4	—	
27	29.65	29.63	66.2	62.7	57.8	72.1	1.7	2.2	5.78	4.92	90	87	SE	1	SE	1	10	10	0.017	
28	29.52	29.55	64.0	61.2	56.5	71.3	2.2	3.1	5.18	4.39	87	82	SW	4	SW	2	8	8	0.120	☉ p.
29	29.55	29.47	64.9	60.7	59.0	71.8	7.0	1.1	3.91	4.92	63	94	SW	5	SW	6	10	10	0.130	Fine and sunny. ☉ in evening.
31	29.26	29.48	61.7	58.8	57.0	68.6	4.8	4.1	4.00	3.74	74	76	SW	6	SW	6	10	0	—	☉ all day.
Mean	29.875	29.867	63.4	56.9	49.6	71.6	6.0	3.2	3.97	3.74	68.4	81.2	2.2	1.5	5.9	4.4	1.361			

CHURCHSTOKE.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	60°0	53°1	42°4	71°2	5°8	3°1	349	322	67	79	NW	2	W	2	5	2	ins.	Bright and breezy.
2	29°69	29°73	60°0	49°7	45°1	67°0	7°0	3°0	348	283	62	80	NW	2	NW	1	8	0	—	Fine day.
3	29°81	29°77	60°0	49°9	37°8	72°4	3°0	1°1	424	330	82	93	W	1	W	1	2	0	—	Fine and clear.
4	29°76	29°68	60°2	60°0	42°5	78°4	4°4	4°2	388	389	74	75	NE	1	SW	1	5	8	—	Haze on the hills. Hot day.
5	29°68	29°58	67°8	61°0	49°2	78°8	10°4	6°1	349	356	51	67	SSE	1	NW	2	0	8	—	Hot and close.
6	29°52	29°45	60°4	64°8	53°0	80°1	8°5	10°4	422	308	59	50	SSE	1	W	2	9	2	—	Very close.
7	29°57	29°67	66°0	56°1	55°9	73°3	7°3	2°3	400	382	65	85	NW	2	W	1	4	3	—	Bright day.
8	29°63	29°61	66°0	61°0	46°9	75°2	7°1	6°2	404	353	64	66	W	3	ENE	2	8	0	—	Breezy, bright, and hot.
9	29°63	29°55	60°5	60°4	53°2	64°3	3°1	2°5	428	344	82	85	W	3	NW	4	9	10	—	Cloudy and threatening.
10	29°58	29°60	59°0	50°9	49°5	67°1	7°0	2°7	308	304	61	82	NW	2	NW	1	5	2	—	Fine, bright, and clear.
11	29°52	29°50	59°5	45°8	39°4	62°1	5°1	1°9	358	264	71	86	NNW	1	NW	1	8	1	—	Haze on the hills.
12	29°40	29°31	57°7	51°9	39°9	65°4	7°7	2°7	277	316	58	82	W	2	NW	2	8	2	304	Cool wind.
13	29°27	29°39	51°9	48°7	47°0	59°5	3°1	1°8	306	299	80	87	NW	2	NE	2	10	10	258	early a. Dull day. Distant T.
14	29°45	29°50	55°4	45°6	38°1	60°6	5°9	1°7	285	266	66	87	NW	2	W	1	8	0	—	Cool wind.
15	29°45	29°33	60°0	52°4	35°9	64°1	8°4	3°4	292	305	56	78	SE	2	WSW	2	8	9	—	Dull and threatening, with cool
16	29°23	29°19	54°9	54°4	39°0	69°7	4°7	2°6	306	351	71	83	SE	1	NNW	1	6	10	203	before 9a. showers a. 9p. < [wind.
17	29°21	29°29	53°9	51°7	50°8	57°4	0°9	0°7	389	365	94	95	SE	1	SW	1	10	10	098	Dull, with showers.
18	29°35	29°39	56°7	48°4	47°3	59°9	4°7	1°5	331	303	72	89	NW	3	W	2	9	8	020	Cool, with showers.
19	29°38	29°35	56°3	51°9	41°5	61°1	4°3	2°1	334	330	74	86	NNW	2	NNW	1	9	10	275	showers a. Fine p.
20	29°39	29°50	57°7	46°9	46°0	61°9	3°7	1°0	369	297	78	93	NE	2	W	1	9	4	—	Cool.
21	29°52	29°53	60°0	48°7	40°5	68°8	6°0	1°8	344	298	66	87	W	2	W	1	6	0	—	Bright and breezy.
22	29°51	29°48	63°0	54°9	40°1	71°9	5°2	3°3	407	540	71	80	SW	2	W	1	8	3	—	Fine, bright, and breezy.
23	29°49	29°47	63°0	56°1	48°1	73°7	1°1	3°9	535	343	93	76	SW	1	SW	1	8	2	—	Warm day.
24	29°41	29°34	59°0	62°0	43°8	77°4	4°0	6°0	379	371	76	67	SW	2	SE	1	0	8	—	Breezy and warm.
25	29°31	29°26	63°9	59°0	50°0	76°9	6°9	1°1	375	464	63	93	SE	2	W	1	8	2	—	Breezy and hot.
26	29°12	29°10	64°0	56°4	53°8	66°5	2°1	1°4	520	413	87	91	SSW	3	SW	3	10	5	140	showers. Warm.
27	29°18	29°18	61°0	56°3	47°5	73°7	2°7	2°3	449	385	84	85	SW	2	SSE	1	9	4	—	Gloomy and warm. Distant T.
28	29°13	29°08	64°0	56°1	54°0	73°8	4°9	1°1	434	418	73	92	SSE	2	SSE	1	8	8	150	Bright and breezy. showers.
29	29°03	29°05	62°0	56°9	51°0	66°9	3°1	1°9	453	407	82	88	SW	2	SW	1	8	9	180	showers. [Distant T.
30	29°07	29°84	59°0	55°9	55°0	68°1	4°0	1°9	379	389	76	88	SW	2	SW	4	10	8	670	Breezy, with showers.
31	28°84	29°03	57°8	56°7	52°8	62°9	2°9	2°9	393	375	82	82	SW	3	SW	3	6	6	188	Squally, with showers.
Mean	29°413	29°404	60°4	54°3	46°5	68°7	5°0	2°9	379	347	72°2	82°5	1°9	1°6	7°1	5°0	2°486			

MARGATE.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	62.2	60.0	56.7	68.8	4.3	5.5	.421	.357	70	69	NW	1	S	1	1	3	ins.	Very fine, but cool. U
2	30.19	30.19	63.7	58.0	52.7	71.0	7.7	2.0	.356	.421	60	87	NW	1	E	1	1	3	—	Very fine.
3	30.16	30.16	63.2	56.0	51.1	64.8	5.8	3.0	.394	.364	68	81	ENE	2	SE	1	0	0	—	Very fine.
4	30.25	30.25	63.0	59.8	49.3	65.5	6.0	3.8	.386	.369	67	77	SE	2	E	2	0	0	—	Very fine.
5	30.17	30.17	64.8	62.1	57.1	67.3	5.8	2.2	.421	.482	69	87	E	2	E	1	8	0	—	Very fine.
6	30.04	30.04	72.7	65.0	58.0	80.8	9.9	6.2	.439	.413	54	67	E	1	E	1	7	0	—	Very hot. Humidity at noon, 38%.
7	29.98	29.98	71.3	64.7	58.2	81.1	10.2	3.4	.407	.491	52	81	W	3	Calm	0	8	0	—	Very fine.
8	30.14	30.14	63.7	69.8	54.0	81.3	8.5	7.9	.365	.446	59	62	W	3	W	2	7	0	—	Very fine.
9	30.05	30.05	67.1	67.0	63.1	78.0	8.6	5.0	.382	.482	58	73	WNW	2	W	3	2	1	—	Very fine.
10	29.97	29.97	60.6	60.0	57.4	69.1	7.4	4.0	.319	.396	60	76	NW	3	N	2	3	0	—	Very fine, but cool.
11	30.00	30.00	56.6	53.9	53.9	65.7	4.5	4.6	.334	.297	73	72	N	1	Calm	0	10	0	—	Very fine.
12	29.90	29.90	61.8	60.0	50.9	66.7	7.4	8.0	.336	.299	61	58	SW	2	Calm	0	5	10	0.50	Dull day.
13	29.72	29.72	56.8	58.3	51.6	63.8	3.0	4.5	.374	.358	81	74	Calm	0	E	1	10	0	—	Dull day.
14	29.87	29.87	56.8	52.4	52.1	62.4	4.1	2.4	.346	.330	75	84	E	2	W	1	7	0	—	Dull day.
15	29.96	29.96	60.8	59.8	47.1	64.1	5.8	0.8	.360	.487	68	95	Calm	0	E	1	0	0	—	Dull day.
16	29.61	29.61	59.8	58.0	57.8	62.4	3.6	0.3	.404	.472	78	98	E	3	Calm	0	10	0	—	Fine a. Very dull afternoon.
17	29.73	29.73	57.7	55.3	54.1	61.6	0.7	0.7	.456	.416	95	95	Calm	0	Calm	0	10	2	.210	Dull, with ☉.
18	29.68	29.68	61.0	53.9	53.3	65.8	5.6	1.4	.367	.375	69	91	E	2	Calm	0	7	0	.460	☉ ga. Dull day. ☾ < 9p.
19	29.84	29.84	56.3	54.2	52.1	64.0	2.0	1.6	.394	.374	87	89	NE	1	Calm	0	8	0	.120	Dull day. ☽ < 9p.
20	29.77	29.77	56.5	58.2	49.0	61.7	4.3	4.6	.336	.355	74	73	SE	3	E	3	10	10	.050	Dull a. Fine afternoon. < 9p.
21	30.01	30.01	56.0	54.0	53.2	64.5	4.0	2.0	.338	.361	75	86	Calm	0	NW	1	7	0	—	Dull day. ☽ ⁰ in evening.
22	30.01	30.01	61.1	55.1	49.1	70.7	4.1	4.3	.409	.319	77	74	SW	1	Calm	0	0	0	—	Fine and pleasant.
23	30.03	30.03	65.9	61.0	48.6	68.9	9.0	5.0	.356	.382	56	72	Calm	0	SE	1	4	0	—	☾ ga. Fine and pleasant.
24	29.94	29.94	66.5	62.7	57.0	68.0	8.5	3.9	.375	.439	58	78	SE	1	E	1	1	0	—	Fine and pleasant. Cooler night.
25	29.85	29.85	68.0	60.0	60.2	80.7	6.7	7.0	.449	.393	65	63	S	1	E	1	7	0	—	Fine and pleasant.
26	29.74	29.74	72.5	63.0	63.0	80.3	10.8	2.0	.412	.505	52	88	S	3	SE	2	9	10	.090	Day much warmer.
27	29.73	29.73	66.8	62.3	60.8	68.0	3.0	0.4	.545	.546	83	98	S	2	SE	1	10	3	.320	Fine day. ☉ 6p.—9p.
28	29.68	29.68	64.8	62.6	61.8	73.1	0.8	1.5	.582	.514	95	91	Calm	0	S	2	10	10	.010	☉ a. Fine afternoon.
29	29.62	29.62	63.0	61.0	57.8	68.8	2.2	1.6	.498	.482	87	90	SSW	4	S	3	10	10	.590	☽ ⁰ a. Fine afternoon.
30	29.66	29.66	61.8	61.7	60.2	68.3	1.5	1.7	.500	.489	91	90	SW	3	SW	5	7	10	.220	Dull day.
31	29.43	29.43	64.0	59.2	57.4	67.4	4.2	1.5	.454	.456	76	91	S	2	S	4	10	0	.140	Dull and windy, with ☉.
Mean	29.904	29.896	62.9	59.8	55.1	69.2	5.5	3.3	.404	.416	70.9	81.0	1.6	1.3	6.1	2.3	2.260			☾ ga. Dull and windy, with ☉.

SOUTHAMPTON.—AUGUST 1887.

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

1	30°20	30°21	68°4	60°4	50°0	76°3	9°4	3°83	4°07	55	78	W	1	WNW	1	5	—	Beautiful day throughout.		
2	30°21	30°22	71°2	61°6	50°1	78°3	10°4	6°3	4°02	35°9	52	66	NW	1°5	NNE	0°5	0	1	—	Beautiful day throughout.
3	30°29	30°27	69°2	60°5	49°9	77°2	9°3	4°0	3°98	4°03	55	77	NE	1	SE	1°5	0	1	—	Beautiful day throughout.
4	30°27	30°27	69°7	58°4	48°9	71°7	9°7	2°5	3°95	4°13	54	84	SE	2°5	NE	1	0	0	—	Beautiful day, with pleasant breeze. [D 0°p.
5	30°15	30°06	71°6	60°9	50°1	77°7	12°1	6°0	3°66	3°58	48	67	SE	2	SSE	1	1	3	—	Beautiful, and very warm.
6	30°03	29°93	74°1	65°3	52°3	84°1	9°6	7°5	4°77	3°83	57	61	SSE	1°5	Calm	0	3	1	—	Very warm.
7	30°03	30°12	76°0	68°3	52°1	85°2	11°4	7°1	4°57	4°43	51	64	NW	1°5	NW	2	5	0	—	Very warm all day.
8	30°19	30°14	74°1	68°0	51°0	86°3	12°0	9°8	4°10	3°67	48	53	SW	2	NW	3	2	0	—	Very hot, but with pleasant breeze.
9	30°13	30°05	74°2	67°6	57°2	85°6	11°7	5°3	4°20	4°85	50	72	NW	2	NW	3°5	0	10	—	Very hot. Pleasant breeze p.
10	30°05	30°03	67°5	62°5	59°1	75°7	11°1	6°6	3°30	3°65	48	65	NNW	4	Calm	0	4	4	—	Beautiful, with pleasant breeze.
11	29°99	29°94	65°5	59°1	53°9	72°2	7°8	2°5	3°79	4°23	60	85	NE	2°5	SE	1	3	1	—	Beautiful day.
12	30°00	30°01	65°2	59°8	53°7	70°1	7°5	4°1	3°82	3°90	61	76	SW	1	Calm	0	9	5	—	Beautiful day.
13	30°02	30°02	65°5	58°4	51°9	73°5	7°9	4°4	3°76	3°62	59	74	NE	2	N	3°5	5	5	—	Beautiful day.
14	30°02	30°02	66°4	54°2	51°0	71°1	5°8	5°7	3°55	2°77	67	66	NNW	2	NNE	1	7	0	—	Beautiful day.
15	30°05	30°05	67°5	58°9	45°0	69°3	9°0	7°2	3°80	3°03	56	61	SE	2°5	SE	2	8	4	—	Beautiful day.
16	30°06	30°06	72°4	59°7	53°8	62°2	2°0	3°6	3°96	4°02	87	79	NNE	1	SSE	2	10	10	—	Beautiful day.
17	30°07	30°07	62°9	55°0	54°8	69°6	2°9	1°4	4°75	3°92	83	91	NE	1	NW	1°5	7	5	—	Beautiful day.
18	30°08	30°08	59°5	56°9	53°1	67°5	4°2	4°6	3°82	3°36	75	72	NNW	2°5	NW	2	9	9	—	Fine and pleasant.
19	30°09	30°09	64°9	56°9	47°6	69°2	7°3	2°8	3°83	3°81	61	83	N	2°5	W	0°5	7	10	—	Beautiful day.
20	29°78	29°78	55°9	53°6	52°2	68°1	1°6	1°9	4°01	3°58	90	87	NE	2	NE	0°5	10	3	—	Beautiful day.
21	30°05	30°05	60°2	56°5	45°6	69°1	3°6	2°5	4°10	3°84	79	84	WNW	0°5	Calm	0	9	0	—	Beautiful day throughout.
22	30°06	30°02	61°4	59°0	45°5	73°5	2°8	2°7	4°53	4°16	84	84	Calm	0	SSW	1	10	0	—	Beautiful day throughout.
23	30°02	29°95	69°0	59°0	46°4	74°9	7°0	4°3	4°57	3°72	64	75	SE	2	ESE	1	7	2	—	Beautiful day.
24	29°91	29°91	72°3	60°9	51°5	76°8	9°1	3°9	4°60	4°11	58	77	SSE	2	SE	1°5	0	1	—	Beautiful day.
25	29°83	29°83	67°8	62°0	52°3	79°2	6°8	2°2	4°43	4°81	65	87	SE	1°5	SE	0°5	10	2	—	Beautifully fine and very warm.
26	29°71	29°71	65°4	63°1	54°0	72°3	3°5	1°4	4°85	5°29	80	91	S	1°5	SW	3	10	10	—	Very close all day.
27	29°73	29°73	62°5	62°6	57°3	71°1	1°7	1°6	5°06	5°12	90	90	SSE	2	SW	2	10	10	—	Fine, warm, and close.
28	29°66	29°66	62°1	63°0	59°9	74°5	5°4	3°2	5°55	4°68	71	81	SE	3	SW	3°5	6	10	—	Beautifully fine and warm.
29	29°61	29°61	67°0	62°9	59°9	71°2	5°4	0°4	4°71	5°60	71	98	SW	4	SW	2	9	10	—	Beautiful day, but with fresh breeze.
30	29°69	29°64	64°5	60°5	57°6	69°0	4°7	0°8	4°65	5°00	74	95	SW	3	SW	4°5	9	10	—	Beautiful a.
31	29°47	29°47	65°0	59°3	55°9	68°1	5°4	2°3	4°35	4°32	71	86	SW	4°5	SW	4	8	1	—	Beautiful a.
Mean	29°922	29°922	66°7	60°5	52°4	73°9	7°0	3°9	4°22	4°09	65°3	77°7	2°0	1°6	5°8	4°3	2°895			

BABBACOMBE.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	66.6	58.2	49.5	73.4	8.1	4.2	in.	in.	%	%	ENE 1	NW 2	2	2	ins.	Fine day. ☉ 3p. Parhelion 7p. D p.
2	30.00	30.02	67.2	58.7	50.5	74.4	7.2	4.3	in.	in.	36.0	75	ENE 1	NNW 2	1	1	—	Fine and clear. D n.
3	30.06	30.02	64.9	57.9	52.5	71.5	8.3	2.1	in.	in.	35.8	41.6	ENE 1	Calm 0	2	0	—	Very fine. (mist) 3p.—11p. D p.
4	30.02	29.93	64.8	58.8	54.3	66.1	3.9	3.4	in.	in.	34.7	39.4	NE 2	NE 1	3	3	—	(mist) till 11a. ☉ a. and p. D
5	29.89	29.82	63.8	55.5	55.5	69.6	2.9	1.9	in.	in.	34.1	38.5	E 2	NNW 1	8	4	—	(mist) (mist) a. and p. ☉ 4p. U
6	29.79	29.76	69.1	61.9	51.5	73.4	8.6	3.2	in.	in.	34.5	44.7	NE 1	W 1	6	1	—	D n. (mist) a. and p. D p. [mid.
7	29.82	29.83	73.4	60.9	54.5	80.0	7.3	4.0	in.	in.	33.1	40.9	WNW 1	WNW 3	3	0	—	D n. and p. (mist) a. Sky
8	29.99	29.96	72.5	62.7	55.8	81.1	7.6	8.0	in.	in.	32.1	36.1	NNE 1	SW 1	1	0	—	Very fine. [greenish p.
9	29.93	29.88	71.5	62.2	58.5	82.3	11.8	3.4	in.	in.	31.7	44.7	NW 3	N 2	1	0	—	D n. and p. Fine day.
10	29.86	29.83	67.9	57.9	57.9	73.4	11.1	4.9	in.	in.	33.5	34.3	NNW 3	NW 4	2	0	—	Fine day. Squally. D p.
11	29.78	29.72	63.1	58.4	51.0	69.5	6.6	5.1	in.	in.	31.3	34.4	NE 2	NNW 3	1	0	—	D n. Fine day. ☉ 4p.
12	29.67	29.57	61.8	55.8	53.5	67.5	6.8	5.2	in.	in.	31.1	30.7	ENE 2	NW 2	4	5	—	(mist) a.
13	29.50	29.58	65.1	58.1	50.2	68.0	7.0	3.3	in.	in.	30.4	38.6	ENE 2	NNE 2	7	5	0.070	(mist) ● showers p.
14	29.70	29.74	58.0	53.2	50.2	65.4	5.1	4.1	in.	in.	31.1	39.9	ENE 3	WNW 2	3	1	—	(mist) a. Fine day.
15	29.69	29.53	68.0	59.9	44.6	64.9	6.1	4.1	in.	in.	31.2	39.1	ESE 2	NE 2	3	10	—	(mist) a. ☉ 1p.—2p. D n.
16	29.45	29.47	60.3	53.2	57.5	67.0	6.1	3.3	in.	in.	31.5	38.6	NE 2	SW 2	8	10	0.160	(mist) a. ● 11.30a. < 9p.
17	29.44	29.52	59.4	55.7	50.8	67.5	2.8	1.6	in.	in.	31.9	39.7	SW 2	NNW 3	8	10	0.020	Squally a. T 11.30a. ● showers p.
18	29.68	29.71	60.4	53.9	53.1	64.5	5.9	2.8	in.	in.	31.2	34.0	NW 3	W 1	8	3	—	Clear 1p.—7p. [6p.
19	29.68	29.60	62.0	54.9	49.2	68.0	6.2	3.9	in.	in.	31.6	32.7	NNW 2	NW 1	5	8	0.070	
20	29.57	29.74	54.9	57.0	50.3	65.9	1.9	3.6	in.	in.	31.7	36.2	NE 2	NNE 2	8	2	0.010	(mist) till 10a. ● showers a. and
21	29.82	29.81	65.9	55.8	45.4	60.5	7.3	2.2	in.	in.	31.2	38.1	S 1	WSW 2	2	1	—	D n. and p. [p.
22	29.80	29.77	62.8	56.7	48.6	70.2	3.7	1.6	in.	in.	44.0	41.2	SSW 2	SSW 2	2	1	—	D n. and p. (mist) (mist) till 10a.
23	29.75	29.70	62.2	59.9	49.5	68.3	2.7	2.3	in.	in.	40.9	44.3	NE 1	ENE 1	8	9	—	D n. (mist) (mist) all day. [Fine day.
24	29.66	29.62	65.7	58.9	56.3	70.8	3.6	2.0	in.	in.	50.3	43.4	ENE 2	Calm 0	2	2	—	D n. and p. (mist) a. Fine day.
25	29.58	29.55	65.6	61.1	54.5	77.3	3.4	0.8	in.	in.	50.7	51.1	SSW 2	SSW 2	8	10	—	D n. (mist) a. and p. D p.
26	29.43	29.41	62.8	57.3	57.3	63.6	1.7	1.0	in.	in.	51.2	43.9	S 3	WSW 3	10	6	0.080	● showers 8a.—6p. D p.
27	29.45	29.46	61.9	59.8	57.0	70.7	0.9	1.0	in.	in.	52.2	48.0	S 2	S 2	10	4	—	(mist) a. ☉ 6p. D p.
28	29.40	29.36	64.9	59.2	58.3	68.9	2.9	1.1	in.	in.	51.1	40.7	SSE 3	SW 3	8	3	1.000	D n. D p.
29	29.37	29.41	64.0	60.7	56.5	70.0	3.1	0.7	in.	in.	48.7	50.2	SW 4	SW 2	8	3	0.090	● showers. Dull 3p.—8p. T n.
30	29.46	29.43	63.8	56.0	56.0	65.0	4.2	0.1	in.	in.	45.1	44.6	WSW 4	SSW 4	9	10	0.880	☉ 10a. ● 11a.—10p.
31	29.25	29.44	62.7	57.1	56.0	68.6	4.6	2.1	in.	in.	42.1	40.4	WSW 5	WSW 4	7	3	0.020	Squally a. ● showers. D p.
Mean	29.692	29.680	64.3	58.1	53.1	70.2	5.5	3.0	42.7	39.9	71.4	82.4	2.2	2.0	5.1	5.8	1.500	

ARMAGH.—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	59.6	59.7	44.8	67.3	4.7	1.9	in.	in.	0%	0%	WNW 1	WNW 1	7	9	ins.	
2	30.07	30.06	59.9	54.0	47.0	68.2	4.9	2.0	371	360	73	88	WNW 1	NE 0.5	6	8	—	
3	30.14	30.08	63.9	60.7	42.9	71.5	6.2	6.1	396	352	67	66	SE 0.5	SSE 2	4	6	—	
4	30.06	29.98	64.0	62.8	50.1	71.6	7.2	5.6	371	397	62	69	S 2	S 1	6	7	—	
5	29.90	29.80	66.6	64.8	58.7	73.7	7.6	5.8	401	421	62	69	SSW 3	S 2	10	10	3.00	
6	29.76	29.63	60.2	63.1	55.1	67.1	1.4	0.3	476	567	92	88	SSE 1	SW 3	10	10	3.42	
7	29.93	29.96	61.9	58.0	52.0	67.7	5.8	3.3	376	385	68	80	W 1	SW 2	3	4	—	
8	29.93	29.96	67.5	58.1	55.2	74.3	4.5	3.9	508	371	75	76	WSW 2	WSW 2	10	9	0.28	
9	29.95	29.98	59.6	54.9	54.8	64.8	0.6	1.7	491	382	96	89	W 2	NW 1	10	8	—	
10	30.05	30.04	57.9	48.7	47.6	61.9	5.9	1.9	319	298	66	87	NNW 1	NNW 1	9	4	—	
11	29.95	29.90	57.0	52.4	43.2	62.0	4.3	2.4	344	330	74	84	NNW 1	NW 1	10	10	0.22	
12	29.75	29.68	54.2	50.9	48.3	54.7	2.3	0.1	355	370	84	100	WSW 1	NE 1	10	10	2.00	
13	29.72	29.82	51.8	43.3	42.7	57.3	1.5	0.9	346	261	89	93	NE 1	N 0.5	10	0	—	
14	29.84	29.85	57.0	49.0	39.2	62.5	6.4	1.1	296	320	63	92	NW 1	WNW 0.5	4	9	—	
15	29.76	29.64	60.6	49.4	46.1	64.5	7.0	2.3	329	320	62	91	WNW 0.5	W 0.5	10	4	—	
16	29.66	29.74	55.5	50.8	44.9	62.6	2.5	1.1	370	344	84	92	N 1	NW 1	10	10	0.18	
17	29.79	29.80	57.6	51.0	48.0	60.7	2.8	1.0	393	348	83	93	NNW 1	NW 1	9	9	—	
18	29.78	29.76	57.5	49.7	44.8	59.5	5.1	0.7	332	338	70	95	NW 1	NE 1	10	10	1.71	
19	29.83	29.88	60.5	48.0	41.8	65.8	5.8	1.0	357	309	68	93	NE 0.5	NNE 0.5	4	9	—	
20	29.87	29.78	57.8	57.0	40.0	68.4	6.3	4.1	310	349	65	75	NNE 0.5	S 2	0	3	0.09	
21	29.70	29.71	59.0	61.6	53.0	64.5	1.7	1.9	445	485	90	88	S 3	SSW 2	10	10	2.55	
22	29.74	29.73	62.2	59.4	54.7	68.9	3.2	4.2	453	381	81	75	S 2	S 2	10	10	—	
23	29.67	29.57	63.6	60.0	53.8	69.3	8.4	4.1	337	392	58	76	SSE 2	SSE 1	8	9	—	
24	29.55	29.51	64.0	61.2	57.9	63.7	6.0	3.5	403	428	67	80	SW 1	S 1	9	9	0.20	
25	29.30	29.30	61.1	56.9	56.4	62.6	1.2	2.0	499	493	92	87	SSE 3	S 1	10	4	1.32	
26	29.37	29.37	63.0	59.5	55.8	68.5	5.0	1.6	414	452	72	90	SSE 3	SSE 2	7	9	1.93	
27	29.34	29.29	61.6	58.7	57.0	66.6	2.6	1.8	462	438	84	88	SSE 3	SSE 1	8	9	0.60	
28	29.25	29.26	59.0	57.0	55.8	66.3	2.1	1.2	433	428	87	92	SW 1	SSW 1	10	10	0.72	
29	29.25	29.27	58.4	54.6	50.8	63.1	2.6	1.0	410	373	84	88	SW 2	S 1	9	10	4.50	
31	29.06	29.27	58.4	54.6	50.8	63.1	2.6	1.0	410	373	84	88	SW 2	SW 1	9	7	0.15	
Mean	29.729	29.712	60.2	55.6	49.7	65.6	4.4	2.3	391	380	75.1	85.7	1.5	1.2	8.1	7.9	3.247	

MARKREE CASTLE (SLIGO).—AUGUST 1887.

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

1	30°13	30°15	60°6	53°1	40°8	65°4	4.7	1°1	*385	*373	74	92	Calm 0	Calm 0	8	8	*010
2	°18	°21	59°0	51°7	47°4	65°3	3°8	1°5	*385	*344	77	89	NNW 1	Calm 0	9	8	—
3	°16	°12	61°7	63°8	41°4	68°8	4°0	2°6	*422	*502	77	85	SSE 2	SE 0°5	9	10	—
4	30°09	30°00	62°8	60°0	54°1	70°7	3°8	2°7	*446	*432	78	84	SSE 1	SSE 0°5	10	10	*040
5	29°91	29°85	62°9	62°1	53°1	71°8	3°6	2°1	*453	*486	79	87	SSE 2	Calm 0	10	10	*810
6	29°76	29°76	57°7	58°1	54°8	64°9	0°5	0°3	*461	*474	96	98	SSE 1	NW 2	10	10	*320
7	30°02	30°05	62°0	58°9	51°4	67°8	2°6	1°5	*468	*449	84	91	WSW 2	S 1	8	10	—
8	°03	°06	65°2	59°2	57°1	73°0	2°0	1°2	*548	*464	88	93	WSW 2	WNW 2	9	10	*010
9	°05	°07	59°3	56°2	56°1	61°5	0°2	1°1	*499	*419	99	93	WNW 3	NW 3	10	9	*030
10	°16	°15	56°0	51°0	50°2	60°9	2°6	2°5	*375	*311	83	83	N 2	NNW 0°5	10	8	—
11	30°04	30°00	57°0	53°0	47°6	60°3	1°9	2°1	*408	*345	88	85	N 2	Calm 0	10	10	*060
12	29°81	29°76	52°3	53°2	46°9	60°8	0°9	1°1	*368	*374	94	93	SSE 1	NNE 1	10	10	*140
13	°82	°91	55°9	46°2	45°7	60°7	0°8	0°9	*423	*292	95	94	N 2	Calm 0	8	4	—
14	°93	°91	54°4	52°2	33°0	60°1	4°3	0°9	*309	*366	73	94	Calm 0	Calm 0	7	8	*010
15	°83	°69	59°2	51°1	45°5	64°7	2°6	0°8	*422	*355	85	94	Calm 0	Calm 0	8	7	*010
16	°56	°60	57°0	50°2	45°7	61°3	1°6	0°6	*417	*348	89	96	SSE 1	Calm 0	10	9	*170
17	°75	°86	58°0	53°3	40°2	60°4	0°9	1°0	*454	*379	94	93	N 2	NNW 1	10	10	*120
18	°90	°91	54°0	53°1	51°0	59°3	1°9	0°6	*363	*388	87	96	NNW 1	N 0°5	9	8	*080
19	°87	°84	57°0	51°7	50°3	58°4	2°9	0°9	*380	*360	82	94	N 0°5	NNW 0°5	10	9	—
20	°90	°94	58°8	48°0	36°5	64°7	3°2	0°0	*400	*335	81	100	Calm 0	Calm 0	7	2	—
21	°92	°81	57°9	55°0	35°6	68°4	2°7	1°7	*400	*383	83	89	SE 1	SSE 0°5	3	10	*100
22	°69	°75	60°1	60°6	54°2	64°8	0°8	0°5	*493	*513	95	97	SSE 2	S 1	10	10	*070
23	°76	°74	61°3	59°1	55°0	70°2	1°1	1°8	*505	*444	93	89	SSW 1	SE 1	10	10	—
24	°68	°57	61°3	63°6	51°6	70°5	1°4	1°6	*496	*531	91	90	SE 3	SE 3	9	10	*210
25	°60	°50	64°7	61°0	56°0	69°0	3°0	2°1	*505	*467	83	87	S 2	SSE 2	8	10	*040
26	°44	°32	60°1	53°9	53°2	62°6	0°3	0°8	*509	*393	98	95	SSE 2	SSE 0°5	10	2	*350
27	°36	°34	63°9	59°0	51°7	68°4	2°4	0°4	*510	*487	86	98	SSE 3	SSE 4	9	10	*440
28	°34	°31	61°9	54°6	54°1	69°2	2°5	0°5	*470	*413	85	97	S 3	Calm 0	8	10	*040
29	°30	°28	59°0	57°9	49°8	67°7	1°0	0°5	*467	*465	94	97	SE 0°5	SSW 0°5	10	10	*060
30	°28	°08	58°2	53°6	51°2	64°1	0°7	0°3	*464	*404	96	98	SSW 1	S 0°5	10	10	*110
31	29°14	29°35	57°9	53°4	49°3	60°9	1°8	1°1	*425	*377	89	92	NW? 2	SSE 0°5	10	7	*310
Mean	29°781	29°770	59°3	55°4	48°7	65°1	2°1	1°2	*440	*409	87°0	92°4	1°5	0°8	9°0	8°7	3°540

before ga.

T ip.

DUBLIN (PHENIX PARK).—AUGUST 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	60.6	58.5	45.1	68.8	5.5	3.4	395	389	70	79	WNW 1	Calm 0	3	4	ins.	Beautiful day.
2	30.13	30.12	61.4	52.1	48.8	69.4	7.4	2.4	330	327	60	83	NW 2	Calm 0	2	2	—	Beautiful day. ☁ at night.
3	30.16	30.16	67.6	55.3	41.6	71.5	9.1	2.2	379	375	56	86	Calm 0	Calm 0	4	2	—	Bright a.
4	30.12	30.05	65.4	60.0	43.0	75.8	6.9	5.1	401	367	65	71	NE 1	Calm 0	8	8	—	
5	29.99	29.89	71.2	60.4	51.2	77.0	9.7	2.6	421	442	55	85	ENE 1	Calm 0	4	8	—	
6	29.83	29.74	68.3	66.9	59.5	71.8	8.6	4.6	402	494	58	75	S 2	SW 4	10	6	0.30	Dull and cloudy.
7	30.01	30.08	61.5	59.0	52.8	70.6	7.3	4.9	333	357	61	72	WNW 2	W 4	1	7	—	Beautiful day.
8	30.04	30.04	67.5	59.3	55.6	78.7	6.7	3.4	441	401	65	79	WSW 4	WSW 4	2	4	—	Beautiful day.
9	30.05	30.03	63.4	60.0	56.9	66.3	3.7	2.0	460	453	79	88	WSW 3	WNW 2	9	9	0.05	Dull and cloudy.
10	30.10	30.10	58.7	52.2	47.1	65.0	7.8	4.4	288	281	58	72	NNW 2	Calm 0	6	1	—	Beautiful day.
11	30.01	29.95	57.3	54.3	41.8	63.6	6.0	4.0	309	315	66	75	NW 2	Calm 0	9	9	—	Cloudy.
12	29.83	29.68	58.9	55.5	50.7	62.8	7.0	0.7	308	421	62	96	NW 1	Calm 0	9	7	2.30	Dull, with ☁ showers p.
13	30.73	30.85	55.8	48.2	47.8	58.4	3.4	1.3	352	395	78	91	NW 1	Calm 0	7	2	0.20	Cloudy.
14	30.90	30.91	56.7	49.2	38.0	62.1	6.6	2.3	289	294	63	84	Calm 0	Calm 0	2	5	—	Bright a. Cloudy p.
15	30.84	30.71	60.5	54.2	41.7	66.1	9.7	3.1	269	335	51	80	S 2	Calm 0	6	8	—	
16	30.60	30.57	63.4	54.7	48.1	64.0	10.5	1.9	288	374	50	88	ENE 1	Calm 0	7	7	0.05	Cloudy a. Dull p.
17	30.67	30.78	59.1	52.4	48.7	65.0	5.5	2.5	343	329	69	83	NNE 2	NNW 2	4	5	4.55	▲ 2.00 p. T 1.10 p.
18	30.84	30.87	56.5	53.4	48.8	65.1	5.2	2.7	317	335	69	82	NW 2	Calm 0	9	5	—	
19	30.85	30.79	55.2	51.9	40.6	61.8	4.0	1.8	328	339	75	88	NW 1	Calm 0	8	8	0.15	Cloudy day. ● showers p.
20	30.86	30.79	58.9	46.7	40.5	63.6	4.8	1.2	358	291	72	92	NE 2	Calm 0	4	2	—	Beautiful day.
21	30.93	30.87	61.7	56.5	46.7	65.8	6.0	4.4	368	336	67	73	Calm 0	Calm 0	2	1	—	Beautiful day. ∞ ⁰
22	30.79	30.80	62.6	60.0	53.4	68.2	5.8	3.2	387	417	69	81	SSW 4	SSW 4	9	9	0.10	● showers.
23	30.82	30.81	63.7	57.8	56.4	73.3	7.6	4.3	357	357	60	75	SSW 3	Calm 0	9	5	—	Dull a. Cloudy p. ☁ n.
24	30.72	30.64	66.3	59.6	49.2	74.5	8.1	3.5	382	403	60	79	SE 2	Calm 0	5	5	0.50	Beautiful day.
25	30.62	30.59	66.2	58.3	50.8	74.8	5.6	3.2	450	392	70	80	SW 1	Calm 0	2	3	0.10	Beautiful day.
26	30.35	30.39	62.7	58.8	56.4	65.8	2.9	3.5	472	391	83	79	SE 3	SSW 3	10	1	0.40	Dull, with ●.
27	30.44	30.44	67.4	62.4	57.0	70.8	8.7	4.4	386	422	57	75	S 3	SE 2	2	7	0.70	Beautiful a. ● ⁰ showers p.
28	30.41	30.36	63.8	61.6	57.4	70.5	3.8	3.9	464	423	78	78	E 2	SE 2	4	8	1.70	● ⁰ showers.
29	30.33	30.36	63.2	60.6	53.0	69.7	5.2	4.4	412	394	71	75	SSW 2	SSW 1	4	9	1.00	● showers.
30	30.36	30.11	62.3	58.2	53.7	67.4	5.8	2.5	383	410	69	84	SW 4	SSW 2	4	6	0.05	Cloudy a. Dull p.
31	29.15	29.38	59.8	54.8	63.8	63.8	4.4	2.1	382	371	74	87	W 4	WSW 2	8	4	0.50	● showers.
Mean	29.796	29.780	62.2	56.5	49.9	68.1	6.4	3.1	369	372	65.8	81.1	1.9	1.0	5.6	5.1	1.265	

SWANBISTER.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	53.0	52.5	50.0	58.1	1.0	0.3	in.	in.	0.0	0.0	S	1	Calm	0	8	5	ins.
2	29.27	29.34	53.0	52.5	50.0	58.1	1.0	0.3	.374	.387	93	98	S	1	Calm	0	8	5	ins.
3	29.15	28.99	54.0	52.5	48.5	58.9	1.0	0.3	.388	.387	93	98	NE	3	NE	1	10	8	0.370
4	29.21	29.49	55.8	52.0	50.7	58.8	1.0	0.5	.416	.375	93	97	W	1	NNE	3	10	10	1.470
5	29.51	29.45	53.8	50.7	50.2	55.8	1.2	1.5	.380	.331	91	89	E	2	NNE	3	7	10	0.030
6	29.29	29.31	52.0	51.0	48.0	54.9	0.9	1.0	.364	.348	94	93	N	3	N	2	9	8	0.020
7	29.27	29.48	49.7	45.3	44.5	51.4	2.2	4.3	.302	.212	85	71	N	4	N	3	10	9	0.010
8	29.75	29.92	40.6	48.5	42.8	52.4	4.6	3.1	.218	.268	69	79	NNW	3	WNW	3	7	10	0.020
9	29.60	29.64	53.8	52.8	47.4	58.8	2.8	1.5	.337	.358	81	89	SSW	4	SSE	7	9	10	0.450
10	29.50	29.47	55.2	45.5	44.4	55.4	2.9	2.2	.355	.252	82	84	S	3	WSW	4	10	7	0.510
11	29.35	29.40	48.4	48.3	44.8	52.3	3.5	1.9	.258	.292	76	87	W	6	WNW	5	8	10	0.120
12	29.49	29.54	48.7	43.8	42.2	50.5	4.6	2.1	.239	.240	70	84	NW	4	WNW	3	6	10	0.100
13	29.51	29.66	44.4	44.7	40.0	50.6	1.4	2.5	.260	.240	89	81	N	2	NNW	2	7	3	0.010
14	29.78	29.80	49.2	49.7	41.1	50.8	2.9	1.0	.281	.331	80	93	NNW	4	NNW	4	10	10	0.020
15	29.78	29.81	51.0	54.0	49.1	56.1	0.5	5.0	.361	.288	97	69	N	1	NE	1	10	7	0.470
16	29.72	29.74	48.6	51.5	46.1	57.1	0.9	0.7	.319	.363	94	96	SSW	6	NE	2	7	9	0.100
17	29.81	29.80	54.0	48.4	46.3	56.7	2.3	0.7	.352	.322	84	95	ENE	1	NE	1	6	3	—
18	30.17	30.17	54.3	48.0	47.1	57.0	4.3	2.0	.308	.285	73	86	N	2	NW	3	5	7	—
19	30.36	30.36	49.7	53.9	46.5	54.4	1.3	2.6	.323	.323	91	88	NW	2	WNW	4	10	10	0.010
20	30.24	30.24	54.0	51.5	50.7	54.1	1.7	1.5	.368	.342	88	90	W	6	WNW	6	10	10	0.030
21	30.32	30.32	50.8	49.7	48.6	53.1	1.2	0.7	.340	.338	91	95	NW	3	NW	1	10	10	0.010
22	30.28	30.28	51.6	51.8	48.2	55.6	3.0	1.8	.306	.338	80	87	NW	1	W	1	10	10	—
23	30.20	30.20	55.5	53.0	49.5	56.1	1.7	1.0	.392	.374	89	93	W	2	WNW	3	7	10	0.040
24	30.49	30.49	50.0	50.5	38.8	53.1	4.0	1.5	.265	.213	74	88	N	2	Calm	0	7	1	—
25	30.44	30.30	50.0	49.1	36.8	52.9	3.2	1.3	.282	.316	79	91	NNE	1	Calm	0	8	10	—
26	30.06	29.61	55.5	52.5	47.2	57.5	3.7	1.8	.340	.347	77	88	WSW	1	SSW	3	6	10	0.140
27	29.38	29.38	51.0	46.7	45.5	54.1	3.3	2.0	.292	.272	78	86	W	1	SSW	4	3	3	0.100
28	29.08	29.11	46.5	38.4	37.6	51.3	3.3	1.2	.243	.208	77	90	SE	3	Calm	0	2	2	0.200
29	29.24	29.31	51.1	51.3	36.4	53.7	3.5	1.4	.289	.342	77	90	E	1	E	5	3	10	0.200
30	29.67	29.92	54.0	50.5	49.1	54.0	1.0	0.6	.388	.352	93	96	ENE	4	NNE	2	10	8	—
Mean	29.736	29.754	51.4	49.4	45.4	54.4	2.4	1.7	.322	.311	84.1	88.5	2.6	2.6	7.7	7.9	4.440	Overcast all day.	

DUNROBIN CASTLE.—SEPTEMBER 1887.

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

1	29.34	29.40	56.4	52.9	48.6	63.4	0.4	1.6	443	356	97	89	S	N	—	—	—	1.10	Dull day.
2	29.22	29.13	55.2	53.6	50.6	56.6	1.2	1.1	401	381	92	93	E	W	—	—	—	0.620	☁ showers.
3	29.32	29.18	56.9	50.9	50.4	57.9	4.2	1.6	346	332	74	89	NW	W	—	—	—	0.020	☁ showers a.
4	29.58	29.50	53.4	53.9	46.6	56.4	2.4	2.2	342	354	84	86	E	E	—	—	—	—	Dull day.
5	29.41	29.30	51.4	53.6	48.1	55.4	3.1	1.3	302	375	80	91	SE	NE	—	—	—	—	Dull and blowy.
6	29.32	29.53	52.2	47.6	47.1	54.2	3.7	2.1	297	280	76	86	E	E	—	—	—	0.080	
7	29.82	29.07	51.4	47.4	43.6	55.6	5.9	3.1	242	256	64	79	N	N	—	—	—	—	Breezy and cool.
8	30.02	29.72	55.2	55.5	45.6	58.4	3.2	3.6	352	343	81	78	SW	SW	—	—	—	0.070	Breezy and cloudy.
9	29.67	29.63	59.2	46.4	45.6	60.9	2.7	4.4	420	221	84	71	NW	NW	—	—	—	0.210	Fine and breezy. Dull, with ☁ showers later.
10	29.53	29.61	52.2	51.4	44.4	54.2	3.2	3.9	308	288	78	75	W	W	—	—	—	0.160	Blow.
11	29.65	29.70	49.4	45.4	43.6	55.2	2.9	2.9	283	240	80	80	NW	W	—	—	—	0.150	Dull a. Fine and warm p.
12	29.63	29.75	49.2	45.4	41.6	51.9	3.7	1.9	264	260	75	87	NW	W	—	—	—	0.050	☁ showers. Fine later.
13	29.87	29.90	49.9	48.4	40.4	53.9	3.4	1.4	277	305	78	90	N	N	—	—	—	—	Fine a. Dull and gusty p.
14	29.83	29.86	51.9	50.2	47.8	53.4	3.6	1.5	296	325	77	90	N	NE	—	—	—	0.320	
15	29.78	29.82	50.6	49.2	46.1	56.2	1.3	2.2	335	296	91	85	W	NW	—	—	—	0.080	Dull, with ☁.
16	29.92	29.09	51.4	47.2	46.6	55.4	1.9	1.5	331	289	88	90	W	NE	—	—	—	—	Dull a. Fine p.
17	30.22	30.22	53.4	48.2	45.4	60.2	2.9	2.5	330	276	81	83	E	NE	—	—	—	—	Dull and breezy.
18	29.48	29.49	52.4	52.9	46.1	55.9	2.9	3.4	319	313	81	78	W	NW	—	—	—	—	
19	29.38	29.38	54.2	54.2	52.1	56.9	4.7	4.5	297	301	71	72	SE	NW	—	—	—	—	Dull and blowy.
20	29.32	29.32	53.4	50.9	49.6	55.4	2.9	1.4	330	338	81	91	NW	W	—	—	—	—	
21	29.38	29.34	50.6	49.4	48.4	53.4	2.6	1.7	303	310	82	89	N	NW	—	—	—	—	Dull a. Fine p.
22	29.44	29.38	56.4	54.4	46.1	62.6	4.7	1.4	328	383	72	91	NW	NW	—	—	—	—	Fine and mild.
23	29.44	29.55	53.4	49.6	48.6	54.6	2.8	2.9	332	284	82	81	SW	W	—	—	—	—	Dull a. Fine p.
24	29.52	29.39	54.2	52.4	47.1	55.2	3.1	1.9	335	343	80	87	SW	SW	—	—	—	—	Dull a. Very fine p.
25	29.57	29.78	54.2	54.6	46.6	56.6	3.2	3.1	332	342	79	80	N	N	—	—	—	—	Dull a. Very fine p.
26	29.55	29.40	53.2	45.2	44.4	59.4	4.2	2.7	297	241	73	81	W	NW	—	—	—	—	Fine a. Cold p.
27	29.22	29.22	45.2	38.4	38.1	53.4	3.7	1.9	223	195	74	85	S	NW	—	—	—	—	Fine day.
28	29.32	29.39	49.4	48.9	36.1	49.4	4.1	2.4	257	289	73	84	E	E	—	—	—	—	Fine day.
29	29.64	29.02	56.4	52.6	48.1	56.6	2.4	2.3	335	335	85	84	SE	E	—	—	—	0.210	Fine, but blowy. ☁ showers p.
30	29.08	29.16	55.4	47.2	46.6	57.6	2.7	1.9	363	280	83	87	SE	SE	—	—	—	—	Fine day.
Mean	29.833	29.861	52.9	49.9	46.0	56.2	3.1	2.3	322	304	79.9	84.4	—	—	—	—	—	2.080	

BRAEMAR.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
								Dep. of Wet.		Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	50.3	46.4	46.3	60.2	4.5	1.6	in.	in.	%	%	SW	2	SW	0.5	6	1	760	Fair a. ☁ showers p.
2	28.17	28.20	50.3	46.4	46.3	60.2	4.5	1.6	.331	.278	73	89	SW	2	W	0.5	10	10	.090	☁ a. Fair p.
3	27.88	27.98	51.7	51.1	43.7	64.7	1.2	2.6	.352	.310	92	82	NE	1	SW	0.5	6	7	.010	☁ ² all day.
4	28.18	28.38	53.5	52.5	48.4	61.5	4.0	3.0	.305	.317	75	80	SW	4	SW	0.5	10	10	.640	Dull and damp.
5	28	24	50.7	49.5	47.8	54.7	6.4	0.8	.226	.334	62	95	SW	0.5	SE	0.5	10	10	.090	Dull, with ☁.
6	28.13	28.03	50.8	49.5	47.0	53.0	1.3	1.3	.338	.321	91	91	SW	0.5	SE	0.5	10	10	.170	Dull a. Fair and clear p.
7	28.09	28.27	48.8	46.5	46.1	49.9	1.1	1.7	.317	.277	92	89	SW	1	NE	0.5	6	1	.010	Dull day.
8	28.57	28.86	45.6	39.8	38.5	52.7	3.3	1.8	.234	.209	77	86	NE	4	SW	8	7	8	—	☁ showers.
9	28.84	28.63	51.5	50.3	36.6	57.3	4.6	2.8	.269	.295	71	81	SW	2	SW	1	8	7	.140	☁ showers.
10	28.52	28.50	55.7	44.9	44.6	61.1	1.9	3.4	.389	.225	88	76	SW	2	SW	4	8	7	.020	Dull, with ☁ showers.
11	28.39	28.44	49.0	46.7	40.5	49.5	4.3	1.9	.249	.275	71	87	SW	6	NW	3	7	7	.090	☁ showers.
12	28.39	28.48	46.5	43.4	43.3	51.7	0.2	3.2	.313	.215	99	76	SW	1	NE	1	10	7	.070	☁ showers.
13	28.40	28.49	42.8	41.3	40.3	47.5	1.6	1.4	.240	.230	88	89	SW	1	NW	4	1	7	.070	☁ showers.
14	28.62	28.62	46.5	44.6	39.5	51.2	4.6	1.9	.218	.252	69	86	NW	4	NW	1	10	8	.250	☁ showers.
15	28.59	28.60	47.5	44.8	44.3	50.3	2.0	0.6	.281	.283	87	96	NW	1	NE	0.5	10	8	.250	☁ showers.
16	28.55	28.57	42.9	43.6	33.4	57.5	1.4	1.8	.246	.244	80	86	NE	0.5	NE	0.5	3	6	.090	Dull, with ☁ showers.
17	28.61	28.77	44.6	43.3	40.3	49.5	0.9	2.6	.273	.276	93	82	NE	0.5	NE	0.5	9	8	.090	Dull, with ☁ showers.
18	28.96	28.16	50.5	42.2	40.3	53.7	2.8	1.7	.297	.233	81	87	NE	1	N	0.5	7	7	.020	Dull, with ☁ showers.
19	28.24	28.27	47.8	47.3	39.5	59.2	2.3	2.5	.277	.267	84	83	NW	0.5	NW	0.5	4	7	—	☁ showers.
20	28.20	28.12	51.5	50.8	47.1	54.5	5.4	3.5	.253	.285	67	77	SW	2	SW	0.5	7	2	—	☁ showers.
21	28.16	28.17	50.7	47.5	40.4	62.2	4.2	1.0	.260	.304	73	94	SW	1	SW	0.5	2	5	—	☁ showers.
22	28.12	28.12	49.5	49.5	47.1	58.4	2.4	3.5	.294	.271	84	77	SW	0.5	SW	0.5	7	5	—	☁ showers.
23	28.12	28.18	49.8	45.4	44.3	62.7	3.1	2.9	.282	.240	79	80	SW	0.5	SW	0.5	3	0	—	☁ showers.
24	28.24	28.31	49.5	48.5	38.3	59.5	2.0	1.6	.304	.302	87	89	SW	1	SW	1	7	7	—	☁ showers.
25	28.28	28.16	52.5	49.8	44.6	64.5	6.2	1.3	.248	.325	64	91	SW	0.5	SW	0.5	10	6	—	Dull day.
26	28.96	28.63	49.5	51.2	48.0	56.5	1.0	4.3	.320	.272	94	72	SW	0.5	SW	2	8	9	.100	Dull day.
27	28.34	28.19	48.7	43.6	43.1	54.3	3.4	3.1	.264	.219	77	77	SW	1	SW	1	7	3	.020	Dull and cold.
28	28.00	28.02	43.8	33.7	33.4	49.5	4.3	1.2	.190	.170	69	87	SW	10	W	0.5	4	2	—	☁ showers.
29	28.08	28.16	34.7	42.8	28.4	52.5	2.0	1.3	.162	.247	80	90	SW	0.5	W	0.5	2	8	.150	Dull, with ☁.
30	28.37	28.69	46.5	48.5	42.5	51.5	1.8	1.7	.274	.299	88	89	NE	0.5	NE	2	10	9	.150	☁ showers.
31	28.81	28.91	48.7	44.6	44.3	53.5	2.2	2.4	.291	.241	85	82	NE	0.5	NE	1	7	1	—	☁ showers.
Mean	28.603	28.638	48.6	46.3	42.1	55.5	2.9	2.1	.277	.267	81.0	84.9	1.7	1.2	7.1	6.2	2.980			

DUNDEE.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.			Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	59.7	56.0	51.3	61.8	2.5	1.4	433	408	85	91	SW	2	SW	1	5	5	ins. 750	☉ n. and till 7.30a. ☐ showers [during day.
2	28.87	29.03	57.8	57.3	52.5	66.5	2.3	1.6	410	431	85	89	SE	1	W	2	10	10	0.050	☉ n. and till 7.30a. ☐ showers [during day.
3	29.28	29.41	60.1	57.5	50.7	66.1	5.8	2.1	351	411	68	86	W	6	SW	1	5	10	0.050	☉ n. and till 7.30a. ☐ showers [during day.
4	32	25	56.9	54.3	50.8	61.3	1.5	0.6	418	405	90	96	E	1	E	1	10	10	0.600	☉ n., 9a.—10.30a. and 9p.
5	318	04	54.1	53.0	52.0	59.7	0.9	0.6	393	386	93	96	E	1	E	1	10	10	0.200	☉ n. and from 7p.
6	32	28	50.7	48.4	48.1	54.1	0.7	0.8	352	330	95	94	E	1	E	2	10	10	0.450	☉ n. and from 7a.
7	363	93	50.0	44.4	42.3	55.5	4.4	0.8	257	274	72	94	N	4	NW	1	5	10	—	☉ n. and from 7a.
8	399	80	52.6	53.4	39.4	62.6	2.7	3.2	325	322	81	79	W	2	SW	4	5	10	—	☉ n. and from 7a.
9	362	56	56.7	48.3	47.6	62.6	1.7	1.7	409	296	89	83	SW	6	NW	1	10	5	0.100	☉ n. and from 7a.
10	48	52	52.6	50.1	45.2	59.7	4.5	2.2	283	306	72	84	W	6	NW	6	5	10	—	☉ n. and from 7a.
11	44	52	49.8	46.4	46.4	59.9	1.3	0.0	325	316	91	100	W	1	E	1	10	10	0.200	☉ n., and at times during day.
12	44	54	47.4	41.7	40.6	53.1	2.6	1.9	266	224	82	86	NW	2	NE	1	10	5	—	☉ n., and at times during day.
13	68	67	50.9	50.0	41.4	52.3	5.4	4.5	247	255	67	71	N	6	N	2	10	10	0.050	☉ n., and at times during day.
14	64	61	49.4	47.7	46.8	53.9	1.5	0.8	315	311	89	94	NW	1	NE	1	10	10	0.300	☉ n., and at times during day.
15	59	63	50.6	49.8	41.3	62.9	2.2	1.6	313	317	85	83	SW	1	W	1	5	5	0.050	☉ n., and at times during day.
16	68	29.83	50.4	49.6	46.3	57.1	2.1	1.9	313	307	86	87	W	1	NW	1	5	10	—	☉ n., and at times during day.
17	29.99	30.20	53.4	46.3	46.2	59.8	3.0	0.8	327	295	80	95	NE	4	NE	1	5	7	—	☉ n., and at times during day.
18	30.31	34	49.1	50.2	39.2	63.0	1.8	0.6	304	348	87	96	E	1	E	1	5	10	—	☉ n., and at times during day.
19	29	29	53.4	55.4	44.3	61.8	3.3	3.0	330	355	79	81	W	1	W	4	5	10	—	☉ n., and at times during day.
20	23	23	55.0	51.9	44.7	65.0	3.6	1.9	335	336	77	87	S	1	SW	1	5	10	—	☉ n., and at times during day.
21	22	17	51.9	51.1	50.4	56.4	0.8	0.7	365	357	95	95	SW	1	SW	1	10	10	—	☉ n., and at times during day.
22	16	21	53.4	50.2	49.2	62.6	1.8	1.3	358	330	88	91	SE	1	SE	1	10	5	—	☉ n., and at times during day.
23	28	38	52.4	49.3	47.6	61.6	1.7	1.5	348	313	88	90	SW	1	SE	1	10	10	—	☉ n., and at times during day.
24	38	30.21	48.3	47.4	45.4	55.8	2.0	0.5	289	316	86	96	SW	1	SE	2	10	10	—	☉ n., and at times during day.
25	30.02	29.69	51.5	53.3	47.1	58.7	0.8	2.8	360	331	95	31	SE	1	W	2	10	10	0.100	☉ n., and at times during day.
26	29.34	22	54.6	46.8	46.2	59.7	1.2	2.0	392	273	92	86	NW	1	NW	1	10	7	—	☉ n., and at times during day.
27	37	04	46.9	42.0	40.3	53.9	1.6	1.5	283	235	89	89	W	2	W	1	5	7	—	☉ n., and at times during day.
28	11	16	43.5	46.3	33.4	57.9	2.0	1.3	240	283	85	91	S	1	NE	2	5	10	0.500	☉ n., and at times during day.
29	38	68	53.4	51.8	44.4	56.8	1.5	1.5	365	346	89	89	NE	6	NE	6	5	10	—	☉ n., and at times during day.
30	29.86	29.95	52.7	47.3	47.0	57.0	3.4	0.8	310	307	78	95	NE	1	NE	1	10	7	0.050	☉ n., and at times during day.
Mean	29.661	29.680	52.3	49.9	45.6	59.3	2.4	1.5	334	323	84.6	89.5	2.2	1.7	7.7	8.8	3.400			

GLASGOW.—SEPTEMBER 1887.

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

1	29°25	29°13	57°0	57°7	50°4	64°1	3°0	2°5	*377	*403	81	84	SSW	2	ENE	1	6	10	*532	
2	28°85	*09	55°3	52°9	43°8	59°3	1°3	1°8	*399	*352	91	88	W	1	SSW	2	10	3	*668	Dull and overcast, with ☉.
3	29°31	*38	57°9	55°3	49°6	62°6	4°4	1°5	*355	*394	74	90	SSW	1	ENE	1	5	10	*200	
4	*31	29°25	56°8	51°9	50°6	60°3	1°2	0°4	*425	*375	92	97	NE	1	SW	1	10	4	*292	Dull and overcast, with ☉.
5	*14	28°97	52°7	52°6	46°2	59°1	0°9	0°9	*373	*371	94	94	NE	1	NE	2	10	10	*600	Gloomy and overcast, with ☉.
6	*12	29°26	51°0	50°7	48°5	55°6	0°7	1°7	*356	*325	95	88	N	1	NNE	2	10	10	*012	☉° a. Dull and overcast.
7	29°65	*95	51°1	45°1	43°2	57°3	5°9	1°7	*238	*261	64	87	NNW	1	SSW	1	5	4	—	
8	30°01	*80	55°0	52°6	41°1	58°9	4°0	1°5	*325	*336	75	90	S	1	S	3	9	10	*138	Cloudy, with squally ☉° at night.
9	29°63	*62	55°9	48°8	46°6	59°5	0°9	3°7	*421	*258	94	75	S	2	SSW	2	10	2	*260	Squally ☉°.
10	*58	*60	51°1	49°8	44°0	55°5	3°1	1°5	*297	*319	79	90	SW	3	SW	3	10	10	*375	Squally ☉°.
11	*47	*54	50°7	47°3	45°4	58°4	0°5	2°9	*357	*259	97	80	NNE	1	WSW	1	10	8	—	
12	*47	*53	50°8	48°2	40°0	55°7	3°8	5°0	*277	*226	75	67	SW	2	NNW	1	8	5	—	
13	*70	*71	49°1	48°4	38°8	59°6	5°7	2°6	*223	*277	64	82	W	1	W	1	1	3	—	
14	*65	*61	51°7	49°3	43°0	59°9	2°3	0°9	*324	*328	85	94	SW	1	NNW	1	6	10	*120	Dull and cloudy, with ☉°.
15	*61	*64	48°4	49°4	43°5	60°0	1°0	0°4	*315	*343	93	97	SSE	2	SSE	2	9	10	*400	Dull and overcast, with ☉°.
16	29°69	29°82	49°7	49°9	44°8	59°9	0°5	2°0	*344	*308	97	87	WSW	1	NNW	1	10	10	*010	Dull and overcast, with ☉°.
17	30°01	30°20	53°4	47°6	43°0	59°9	4°2	0°6	*299	*315	73	96	NW	1	S	1	5	4	*190	☉° showers.
18	*31	*33	44°7	46°8	39°4	59°5	0°3	1°7	*288	*279	98	88	ENE	1	SW	1	7	2	—	☉° (mist) before ga.
19	*31	*21	53°3	51°4	40°3	59°6	3°6	1°5	*312	*340	77	90	WSW	2	SW	1	5	2	—	Fine day.
20	*21	*19	46°3	49°9	40°1	58°3	1°1	1°2	*288	*329	92	92	NNE	1	NE	1	10	4	—	Overcast.
21	*20	*15	48°0	52°1	40°0	54°7	1°0	1°1	*309	*360	93	92	NNW	1	W	1	10	10	—	Overcast all day.
22	*15	*18	53°8	49°7	47°9	60°1	1°7	1°0	*366	*331	88	93	SW	1	S	1	9	4	—	
23	*27	*34	42°3	50°7	38°4	60°9	0°2	1°3	*266	*335	98	91	N	1	NE	1	10	8	—	Fine day.
24	*34	30°20	51°2	51°6	47°9	60°6	1°6	0°6	*335	*366	89	96	NNE	1	SSW	1	10	8	—	Fine day.
25	30°02	29°71	53°9	53°9	48°1	56°8	1°7	2°3	*367	*353	88	85	SW	2	SSW	3	10	10	*055	Overcast all day.
26	29°37	*26	51°8	46°6	44°8	56°0	1°8	1°2	*338	*289	87	92	SW	1	SSW	1	9	3	*290	☉° a.
27	*07	*02	45°3	42°3	39°1	51°8	1°0	1°2	*278	*244	92	90	SSW	1	SSW	1	9	7	*020	☉° a.
28	*09	*16	43°0	40°1	36°6	49°6	1°1	1°1	*253	*225	91	91	NNE	1	WSW	1	10	8	*058	Dull and cloudy, with ☉°.
29	*32	*62	52°3	52°3	38°0	56°9	4°2	1°3	*286	*357	73	91	NE	4	NNE	3	7	9	*105	Squally ☉°.
30	29°82	29°94	53°0	50°5	47°5	58°7	4°2	1°6	*295	*325	73	89	NE	2	NNE	1	1	9	—	
Mean	29°664	29°680	51°2	49°8	43°7	58°3	2°2	1°6	*323	*320	85°4	88°9	1°4	1°4	8°0	6°9	3°725			

WOLFELEE.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				
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CRONKBORNE (DOUGLAS), ISLE OF MAN.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
1	ins.	ins.	61.2	57.0	52.8	62.5	2.3	1.0	in.	in.	%	%	S	2	ESE 6-7	4	10	ins.	538	Squally p.
2	28.91	27	59.6	57.0	53.8	62.3	1.9	1.0	.465	.434	80	93	WNW 3-4	WNW 5	6	8	10	.018	518	Dull, with showers. Squally p.
3	29.46	39	60.0	56.6	53.2	62.7	1.6	0.6	.466	.440	90	96	SW 6	SSW 3	6	10	10	.212	512	Squally a.
4	37	32	57.7	54.2	48.4	60.7	1.3	1.5	.437	.377	91	90	WSW 4	NW 2	7	8	10	.013	513	a. Dull day. [at night]
5	19	04	54.5	57.2	48.7	59.3	0.8	0.4	.402	.456	95	98	S 3	SW 8	10	10	10	.492	512	Overcast, with all day. Squally p.
6	23	24	58.9	48.8	48.6	61.8	2.5	0.3	.420	.338	85	98	W 4-5	NW 2	1	6	10	.283	513	a. 3p.-5.30p. Squally p.
7	29.67	30.04	55.0	49.3	48.0	62.7	3.0	1.3	.349	.318	81	91	NE 4-5	WNW 2	4	3	10	.103	513	Squally a. Fine day. p.
8	30.13	29.95	56.3	55.2	37.0	60.3	2.5	0.8	.382	.412	84	95	WSW 3-4	SW 7-8	7	10	10	.103	513	Fine day. Squally p. p.
9	29.82	65	57.8	54.2	54.2	59.8	0.5	0.7	.463	.400	96	96	SSW 6-7	NW 4	10	3	10	.048	513	Squally a.
10	80	78	55.6	53.0	47.8	57.4	2.6	2.0	.369	.347	83	86	WNW 7	WNW 6	7	10	10	.315	513	Squally a.
11	53	63	57.2	50.0	48.8	59.2	0.9	2.0	.440	.309	94	86	W 7-8	N 4	9	6	10	.026	513	Squally a. 11a. Dull day.
12	61	58	58.8	50.0	45.2	54.0	1.6	0.8	.343	.339	88	94	WNW 4-5	NW 5-6	6	4	10	.103	513	2 showers, squally p.
13	75	78	55.3	50.8	39.0	59.6	3.6	2.8	.340	.301	77	81	N 3	NNW 5	2	4	10	.260	513	Dull and overcast. 3p.
14	71	65	61.2	50.8	47.5	61.2	5.4	0.8	.376	.351	70	94	NW 4	NW 4	7	10	10	.002	513	Fine day.
15	67	74	54.0	54.1	47.0	58.1	3.0	2.1	.334	.350	80	86	NNW 2	WSW 3	4	4	10	.002	513	Overcast a. Fine afternoon. p.
16	29.80	29.87	54.8	50.9	50.9	60.5	3.1	1.1	.344	.344	80	93	W 2	NW 2	9	3	10	.002	513	Very fine. p.
17	30.01	30.20	57.0	52.0	44.2	59.7	5.1	2.2	.325	.330	70	85	ENE 3-4	NNE 2	0	2	10	.002	513	Very fine. p.
18	33	40	56.0	49.2	48.5	59.0	4.2	1.2	.335	.319	74	92	NE 4	N 2	3	1	10	.002	513	Very fine. p.
19	39	29	57.3	53.0	48.0	62.4	4.8	2.2	.336	.342	72	85	NNW 4	NNW 3	4	4	10	.002	513	Fine day.
20	23	23	63.7	49.2	49.0	65.2	5.7	0.5	.406	.337	69	97	N 1	WNW 2	1	2	10	.002	513	Fine day. p.
21	24	20	54.8	50.4	47.6	55.0	2.5	0.6	.359	.351	84	96	SE 2	E 1	10	10	10	.002	513	Overcast, with (mist). p.
22	20	23	55.0	44.7	44.7	55.0	3.0	0.8	.349	.277	81	93	S 1	Calm	0	10	10	.002	513	Overcast with (mist). p.
23	32	37	56.6	46.6	39.6	59.0	3.4	0.7	.362	.301	78	95	E 3	NNW 1	3	0	10	.002	513	(mist) a. Fine day. p.
24	39	30.20	56.8	47.8	42.4	60.5	2.8	0.8	.380	.312	82	94	E 2	N 2	8	4	10	.002	513	(mist) a. Fine day. p.
25	30.11	29.86	55.0	56.0	46.2	57.8	1.2	2.7	.397	.373	92	83	WNW 2	W 4-5	10	10	10	.016	516	Overcast, with a. Fine afternoon.
26	29.49	39	56.0	48.0	47.8	58.2	0.8	0.2	.425	.330	94	99	WSW 5	NW 2	10	6	10	.062	516	Overcast, with a. Fine afternoon.
27	19	13	45.8	43.9	43.9	53.2	0.8	1.0	.289	.264	94	92	WSW 3	WNW 2-3	10	10	10	.146	516	2 showers. p.
28	13	17	49.8	40.0	34.5	53.6	4.3	0.6	.257	.234	72	95	W 2	NNW 1	4	3	10	.028	516	2 showers. p.
29	27	54	50.0	51.0	39.8	54.3	2.8	1.3	.291	.341	81	91	E 4	NE 4	10	10	10	.554	514	2 showers a. 8p.-9p.
30	29.78	29.97	56.8	52.0	50.6	58.6	3.8	2.0	.354	.355	76	86	NE 5-6	NNE 1	5	8	10	.219	519	Squally a. Fine day.
Mean	29.736	29.742	56.1	51.1	46.6	59.1	2.7	1.2	.375	.347	82.9	91.8	3.7	3.3	6.2	6.1	3.219			

STONYHURST.—SEPTEMBER 1887.

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

1	29.18	29.18	57.1	56.0	53.2	60.5	3.6	1.8	363	397	78	88	SW 1	ESE 1	10	10	10	0.458	513	Overcast and gloomy. p.
2	29.18	29.18	54.0	56.2	53.4	60.3	1.4	2.8	391	372	92	82	NNE 1	W 2	10	8	10	0.175	513	Overcast and gloomy a. showers.
3	29.20	29.20	57.0	55.9	53.2	61.2	3.0	2.0	377	391	81	87	W 3	S 2	9	10	10	0.520	513	Overcast, with showers. [rop.]
4	29.21	29.21	56.2	54.0	52.9	61.2	1.4	1.1	410	385	91	92	SW 2	WSW 1	10	10	10	0.935	513	Overcast a. Remarkably 2 p. 2.30p.-
5	29.21	29.21	54.3	57.4	51.0	59.0	1.9	3.5	368	370	87	98	SW 1	WSW 4	10	10	10	0.480	513	Overcast, with a. Squally p.
6	29.21	29.21	57.4	51.2	51.1	61.6	4.9	1.1	335	348	71	93	WSW 4	Calm	0	10	10	0.510	513	Overcast and gloomy. 2p. 2.30p.-
7	29.21	29.21	50.4	46.8	46.8	57.6	2.9	3.8	294	235	81	74	NNE 2	Calm	0	10	10	0.146	513	4p.-5p.
8	29.21	29.21	51.4	52.2	42.9	59.1	2.4	3.2	318	308	84	79	WSW 1	SW 1	8	10	10	0.146	513	Fine, sunny, and warm.
9	29.21	29.21	55.3	57.7	51.3	59.8	3.2	0.9	349	450	80	95	SW 3	WSW 3	10	10	10	0.435	513	Overcast, with a. Squally p.
10	29.21	29.21	54.7	52.2	47.9	57.7	6.3	2.5	270	326	63	83	W 4	SW 1	7	10	10	0.210	513	Fine a. Overcast and threatening p.
11	29.21	29.21	50.9	50.3	50.2	58.2	1.2	2.3	343	306	92	84	SW 3	NW 1	10	1	10	0.162	513	Overcast, with a. Fine p.
12	29.21	29.21	52.0	49.1	45.1	54.4	6.1	3.6	244	265	64	75	NW 2	NNW 2	4	1	10	0.129	513	Fine and sunny a.
13	29.21	29.21	47.9	45.1	41.0	53.7	4.7	2.2	229	250	69	83	NNW 1	Calm	0	7	6	0.510	513	Overcast and gloomy, with a.
14	29.21	29.21	49.5	48.9	43.4	52.3	2.9	1.0	283	322	80	93	W 1	W 1	10	10	10	0.010	513	Fine and sunny p.
15	29.21	29.21	47.4	50.0	47.0	56.8	1.4	2.8	293	291	90	81	Calm	W 1	10	4	10	0.020	513	Fine and sunny.
16	29.21	29.21	55.2	49.3	47.8	59.1	3.1	1.3	350	318	81	91	WSW 1	Calm	0	9	3	0.510	513	Fine and sunny a. Cloudy p.
17	29.21	29.21	53.0	48.5	44.8	58.8	2.9	2.5	325	280	81	82	NNE 1	NE 1	2	10	10	0.510	513	Fine and sunny.
18	29.21	29.21	53.3	47.9	46.4	57.9	5.1	1.8	278	289	68	98	NNE 1	Calm	0	1	10	0.510	513	Overcast and gloomy a. Fine and sunny p.
19	29.21	29.21	49.8	50.4	42.1	60.0	1.7	1.4	315	330	88	90	Calm	Calm	0	10	2	0.510	513	Overcast.
20	29.21	29.21	54.3	49.5	44.4	61.1	2.9	2.5	341	292	80	83	NNE 1	ENE 1	0	0	10	0.510	513	Fine and sunny a. Overcast p.
21	29.21	29.21	51.0	52.0	47.9	57.5	2.7	3.0	306	310	82	80	Calm	Calm	0	10	10	0.510	513	Fine and sunny.
22	29.21	29.21	52.2	47.8	47.8	56.8	3.6	3.2	299	258	77	78	Calm	Calm	0	10	4	0.510	513	Overcast and gloomy a. Fine and sunny p.
23	29.21	29.21	51.0	51.0	41.2	58.2	2.4	2.7	313	306	84	82	Calm	Calm	0	10	10	0.510	513	Overcast.
24	29.21	29.21	52.0	47.0	47.0	59.0	4.0	1.7	287	282	74	88	Calm	Calm	0	10	1	0.510	513	Fine and sunny a. Overcast p.
25	29.21	29.21	50.9	53.5	43.0	54.7	0.8	0.9	351	384	95	93	E 1	WSW 1	10	10	10	0.600	513	Overcast and gloomy.
26	29.21	29.21	51.9	48.2	47.0	56.2	0.8	1.3	364	305	95	91	SW 2	W 1	10	9	10	0.605	513	Overcast, with a.
27	29.21	29.21	48.2	39.1	39.1	53.2	2.1	0.9	285	221	86	93	WSW 1	Calm	0	7	0	0.605	513	Overcast, with a.
28	29.21	29.21	41.1	43.9	32.1	53.1	1.2	2.7	232	229	90	80	Calm	Calm	0	10	10	0.605	513	Overcast, with a.
29	29.21	29.21	46.8	49.0	40.9	53.5	2.5	1.9	262	300	82	87	N 1	NE 2	9	7	10	0.605	513	Overcast, with a. Fine and sunny
30	29.21	29.21	52.9	46.8	46.8	56.1	2.0	2.7	346	257	87	81	ENE 1	NNE 1	10	5	10	0.605	513	Overcast, with a. Fine and sunny
Mean	29.505	29.520	52.0	50.2	46.3	57.6	2.8	2.2	317	313	81.8	85.1	1.3	0.9	7.7	6.7	5.662			

HILLINGTON.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.
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CARMARTHEN.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.			Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.	Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	57.2	56.7	53.0	59.6	1.3	1.9	in.	in.	%	%	S	2	SW	6	10	7	ins.	Stormy all day.
2	29.36	29.44	57.8	55.2	52.9	62.7	3.2	1.1	.428	.404	.91	.88	W	4	W	3	10	5	1.050	Very stormy all past n. ☉ showers.
3	53	44	58.6	57.2	51.0	63.6	1.5	1.0	.384	.403	80	93	SW	2	SW	2	5	10	.070	☉ 2 showers.
4	44	39	60.0	54.3	49.8	64.2	3.5	0.9	.444	.437	91	93	SW	2	SW	2	5	10	.650	☉ showers.
5	19	32	60.4	56.5	50.8	64.4	0.5	4.1	.410	.396	79	94	W	3	NW	2	3	8	.490	☉ showers.
6	31	24	58.6	51.3	50.8	63.6	3.0	1.1	.509	.342	97	75	SW	3	SW	5	10	8	.020	Dull day. ☉ showers.
7	29.44	29.99	58.3	49.5	48.4	62.6	7.7	1.9	.401	.349	82	92	SW	2	NW	2	2	8	.360	☉ showers.
8	30.17	30.03	54.7	54.9	36.4	61.3	4.9	3.9	.58	.305	58	87	NW	2	N	1	4	0	—	Fine day.
9	29.95	29.83	56.7	58.4	43.2	59.2	0.7	0.3	.301	.325	70	76	E	1	W	3	1	5	.030	Fine day.
10	88	86	55.9	51.1	48.4	60.2	5.3	2.1	.439	.479	95	99	SW	2	SW	3	8	10	.230	☉ showers.
11	72	61	55.2	53.1	45.5	60.0	2.8	0.7	.306	.321	69	85	NW	3	W	2	8	2	—	Fine day.
12	60	62	53.1	51.9	49.3	59.7	2.5	2.3	.357	.384	82	95	W	3	W	2	8	10	.170	Dull day. ☉ p.
13	60	81	57.8	44.9	44.2	61.2	6.7	1.4	.336	.327	83	85	NW	2	W	1	1	6	.050	Fine day.
14	77	72	52.7	50.5	43.9	55.6	2.9	1.7	.301	.265	63	90	N	2	NW	2	1	5	—	Fine day.
15	73	80	53.1	51.3	48.0	60.4	3.7	2.9	.322	.323	81	89	N	3	W	2	5	8	—	Dull day.
16	83	29.87	55.1	53.1	51.3	59.8	0.7	0.5	.307	.304	76	80	W	3	W	1	5	6	—	Fine day. ☉
17	29.91	30.04	59.4	52.0	49.8	65.4	4.8	2.6	.413	.398	95	96	W	2	W	2	5	6	.070	Fine day.
18	30.21	29	54.7	48.6	46.5	61.0	3.9	1.9	.365	.321	72	82	N	2	Calm	0	1	0	—	Fine day.
19	34	23	59.8	52.5	40.3	59.8	5.9	2.9	.323	.295	76	87	E	1	Calm	0	9	0	—	Fine day.
20	17	13	62.6	54.5	43.0	66.7	6.0	1.9	.344	.319	67	81	Calm	0	NE	3	1	0	—	Fine day.
21	15	11	52.3	49.7	47.8	59.7	2.3	2.1	.381	.370	67	88	Calm	0	N	2	0	0	—	Very fine.
22	11	12	58.0	50.2	49.1	64.0	6.4	2.6	.331	.303	84	86	E	1	Calm	0	10	9	—	Fine a. Dull p.
23	21	27	57.5	45.8	44.1	63.4	4.9	1.1	.308	.298	64	83	E	1	E	1	1	0	—	Fine day.
24	29	30.21	54.2	46.0	43.2	60.4	2.0	0.3	.336	.283	71	92	E	1	Calm	0	0	0	—	Fine day.
25	30.11	29.88	49.3	52.0	38.5	61.0	0.7	0.4	.364	.304	86	98	E	1	Calm	0	10	10	—	Dull day.
26	29.63	40	55.7	49.7	49.1	57.3	2.5	2.1	.331	.377	95	97	Calm	0	W	1	10	10	—	☉ a. Fine day.
27	23	13	56.7	41.9	40.7	59.0	5.8	0.7	.371	.304	84	86	SW	3	W	1	10	9	.060	Dull day. ☉ showers
28	10	09	49.7	41.4	36.4	54.3	3.2	0.7	.250	.245	67	95	W	3	Calm	0	6	10	.100	Frequent ☉ showers.
29	22	33	51.1	48.8	33.5	59.8	3.9	1.2	.277	.245	79	95	W	1	Calm	0	9	5	.010	< p.
30	29.64	29.80	54.7	51.5	47.0	62.1	5.1	2.6	.315	.279	75	91	Calm	0	N	1	0	10	.100	☉ showers.
Mean	29.730	29.730	56.0	51.2	45.9	61.1	3.6	1.7	.296	.313	69	82	E	2	N	1	1	2	.010	☉ showers.

MARGATE.—SEPTEMBER 1887.

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

1	29.67	29.49	61.3	60.2	55.4	64.7	2.8	1.2	451	480	84	93	SW	3	SW	3	10	10	1.120	Fine a. ☉ p.
2	30	61	59.3	56.7	54.9	63.4	3.3	1.9	403	404	80	88	SW	4	SW	4	10	0	0.030	Dull day. ☉
3	78	78	60.5	59.0	54.6	65.4	3.8	1.6	409	449	78	90	SW	3	W	2	0	10	0.170	Fine day. ☉ 4p.
4	64	60	61.7	56.1	54.4	66.4	3.9	0.8	424	425	78	94	W	2	SW	3	4	10	0.300	Fine a. ☉ p.
5	50	51	57.5	59.8	54.4	67.0	2.0	2.0	413	449	87	88	SW	3	SW	4	10	0	—	Fine day, with ☉.
6	54	47	59.8	59.0	50.9	65.1	9.6	3.0	265	407	52	82	SW	2	SW	3	7	5	0.500	Fine and sunny.
7	29.55	30.02	58.0	56.0	54.6	63.3	3.2	3.2	386	358	80	80	SW	2	NE	2	7	4	0.050	Fine a. ☉ in afternoon.
8	30.29	22	58.0	56.8	46.1	63.4	6.0	1.4	318	419	66	90	E	2	Calm	0	0	0	—	Fine and warm.
9	30.19	30.04	54.1	56.7	44.0	64.0	3.3	6.9	330	283	79	61	NE	2	Calm	0	0	0	0.030	Fine day.
10	29.91	29.92	55.9	55.5	55.1	63.0	2.5	6.0	374	285	84	66	NE	1	W	1	10	0	—	Fine, but chilly.
11	84	70	56.5	58.0	46.3	63.3	5.0	5.0	321	342	71	71	W	2	W	3	7	10	—	Dull day.
12	63	65	55.8	54.8	53.1	59.7	4.8	4.0	316	323	71	72	SW	3	W	2	10	0	—	Fine day. Pretty sunset. ☉
13	66	80	50.8	52.1	46.0	59.6	3.0	3.5	296	290	80	77	W	2	SW	3	9	8	—	Dull and windy.
14	81	80	52.9	52.2	43.6	61.0	5.4	2.9	268	317	68	81	SW	3	SSW	3	7	10	—	Dull day.
15	29.87	29.94	54.1	55.3	46.9	61.9	3.5	4.3	325	322	78	73	SW	3	W	3	9	0	0.010	Dull day.
16	30.02	30.03	56.0	56.6	49.1	64.7	3.8	0.8	344	434	76	95	SW	3	S	1	1	10	0.130	Dull day. ☉ p.
17	03	12	56.2	56.2	53.9	59.7	0.4	0.2	439	446	98	99	Calm	0	S	1	10	10	0.570	Sunny. Red sunset.
18	17	31	55.9	55.0	54.2	60.1	2.6	2.7	371	357	84	83	N	3	N	4	6	0	—	☉ before ga. Fine, but cold.
19	35	31	55.0	55.6	51.4	57.3	3.8	4.3	329	325	76	74	N	4	E	2	10	10	0.040	Very dull.
20	21	21	57.1	54.9	54.1	59.0	3.3	1.9	370	375	80	88	N	2	N	3	5	10	—	Fine day.
21	22	21	55.2	55.5	52.1	59.1	2.4	4.3	367	327	85	75	N	2	NE	2	9	0	—	Fine, warm, and sunny.
22	22	25	58.0	54.5	51.3	60.0	3.5	3.6	379	328	79	77	E	2	Calm	0	3	0	—	Fine and sunny.
23	30	34	56.8	56.8	52.3	59.0	4.1	2.7	346	384	75	83	NE	2	N	2	10	10	—	Dull day. Cooler.
24	34	29	53.0	52.2	52.0	58.0	4.4	5.2	290	264	72	68	N	2	N	1	10	10	—	Much finer.
25	30.21	30.02	50.1	47.5	47.5	59.0	5.0	1.5	245	292	69	90	NNE	1	N	1	8	0	—	Dull day. ☉ at night.
26	29.70	29.54	54.4	55.0	46.9	60.9	1.6	1.0	327	403	90	93	WSW	3	SW	2	9	10	0.400	☉ a. Fine day. ☉ 9p.
27	37	24	53.9	48.0	44.0	61.1	2.9	1.2	336	305	81	92	NW	1	SW	1	9	3	0.070	Fine and sunny.
28	17	21	48.7	44.0	43.8	54.1	2.7	2.2	277	239	81	83	SW	2	W	1	7	0	0.100	☉ n. ☉ all day.
29	29	45	47.0	43.0	39.1	50.0	1.2	1.0	294	255	92	92	Calm	0	Calm	0	10	1	0.160	☉ showers a. Fine and sunny p. ☉
30	29.65	29.80	56.0	52.3	42.1	57.7	5.8	2.0	296	339	66	86	E	2	E	1	9	10	0.400	☉ showers a. Fine and sunny p. ☉
Mean	29.851	29.862	55.7	54.5	49.8	61.0	3.7	2.7	345	355	78.0	82.9	2.2	1.9	7.2	5.0	3.080			

NOTE.—The ☉ on the 29th is the first ever recorded in September at this station.

SOUTHAMPTON.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	61.3	58.7	50.3	62.7	2.3	1.0	in.	in.	86	94	SW	3.5	S	6	10	10	ins.	☉ showers a. ☉ 2 p. ☉ p. ☉
2	29.64	29.34	61.3	58.7	50.3	62.7	2.3	1.0	466	462	86	94	SW	3.5	S	6	10	10	475	☉ (force 10) in past n. ☉ a. Fine
3	24	61	58.5	57.7	50.9	64.1	2.4	2.1	417	414	85	97	SW	8	SW	3.5	10	10	024	☉ from 6.30p. ☉ a. Fine
4	76	60	62.5	58.4	54.1	66.6	5.7	1.2	388	451	69	92	SW	3	SW	4	9	10	492	☉ 9a.-10a. Fine day.
5	64	56	59.4	57.8	54.0	65.2	1.7	1.7	453	427	90	80	SW	3	SW	4	10	10	103	☉ 8a.-11a. Fine and pleasant p.
6	50	50	59.9	59.0	54.2	68.8	0.6	2.3	461	427	90	86	SW	3	SW	3	10	5	056	☉ Fine and pleasant. [4p. ☉ 2 n.
7	52	29.45	62.7	57.4	55.1	67.3	4.9	1.9	413	415	72	88	SW	3	SW	2.5	9	1	280	☉ 10a.-5a. Beautiful day. ☉ 3p. ☉
8	29.59	30.08	59.7	50.8	50.7	65.7	2.8	1.4	425	336	83	90	NW	2	NE	1.5	4	2	048	☉ a. Beautiful day. ☉ n.
9	30.33	24	58.3	50.5	42.0	65.2	5.8	2.2	327	312	167	85	NE	1	SW	0	0	0	0	☉ a. Beautiful day.
10	30.16	30.04	59.1	57.3	44.2	60.4	4.9	2.4	358	399	71	84	SSW	2	SW	2	10	2	040	☉ a. Beautiful day.
11	29.96	29.98	58.7	52.8	52.7	65.7	2.8	3.1	409	319	82	79	NW	2	WNW	1	9	5	—	☉ Beautiful day.
12	79	74	59.6	57.9	46.1	65.7	4.9	1.2	366	444	72	93	WSW	2	SW	2.5	5	10	022	☉ a. Fine, but cool, from 11a. [wind.
13	69	71	54.0	51.1	50.9	61.2	0.9	2.3	391	317	94	84	NNW	1	WSW	1.5	10	2	012	☉ early a. Beautiful day, but cool
14	75	87	55.8	51.0	47.1	62.9	4.1	3.5	336	288	75	77	NNW	3	NW	1	5	9	—	☉ early a. Fine and pleasant.
15	86	85	59.9	52.8	41.7	62.6	4.1	2.5	348	333	75	83	NW	2	WSW	3	7	10	—	☉ a. Fine, but cool, from 11a. [wind.
16	29.88	29.92	55.7	55.5	50.5	63.1	3.9	1.1	338	409	76	93	WSW	3	WSW	2	10	2	024	☉ a. Fine, but cool, from 11a. [wind.
17	30.02	30.02	57.3	50.5	45.0	63.3	3.5	0.9	369	430	79	94	SW	1.5	Calm	0	10	10	295	☉ a. and p. Beautiful day throughout.
18	00	11	56.6	55.8	55.1	57.9	0.8	0.5	435	431	95	96	S	1	NE	1.5	10	10	510	☉ a. and p. Beautiful day throughout.
19	27	37	55.3	51.0	47.2	65.2	2.5	1.9	397	326	84	87	NE	4	NE	1.5	7	0	—	☉ a. and p. Beautiful day.
20	42	32	56.7	52.2	43.9	65.5	4.4	1.6	339	348	73	89	NE	2.5	Calm	0	3	0	—	☉ a. and p. Beautiful day.
21	27	25	58.5	55.1	46.2	60.7	3.5	0.0	380	351	78	81	NE	1	NE	2	0	10	—	☉ a. and p. Beautiful day.
22	26	21	55.1	54.8	51.6	59.8	3.1	3.7	348	330	80	77	NE	2.5	NE	2	10	10	—	☉ a. and p. Beautiful day.
23	22	22	60.5	52.0	46.3	67.2	5.0	2.3	370	328	72	84	NE	3	SE	1.5	0	0	—	☉ a. and p. Beautiful day.
24	32	36	58.3	50.0	44.8	62.1	4.0	1.5	371	322	76	90	NE	3	ENE	2	4	1	—	☉ a. and p. Beautiful day.
25	38	35	56.2	50.2	49.1	60.6	4.7	3.7	326	274	72	76	NE	3	NE	1.5	5	10	—	☉ a. and p. Beautiful day.
26	30.26	30.04	49.6	51.8	38.1	63.6	3.4	1.4	273	348	77	90	N	1	SW	1.5	9	9	—	☉ a. and p. Beautiful day.
27	29.82	29.86	56.8	55.8	51.1	61.2	2.4	1.1	391	414	84	93	SW	3	SW	3	10	10	025	☉ a. and p. Beautiful day.
28	41	26	56.6	45.6	45.6	61.6	4.3	0.9	340	286	74	94	WNW	2	NW	1	9	3	047	☉ a. and p. Beautiful day.
29	23	23	50.6	43.1	35.5	61.2	2.8	1.1	298	254	81	91	SE	1	SW	0.5	1	1	—	☉ a. and p. Beautiful day.
30	31	45	46.1	46.1	35.5	59.2	1.9	1.5	268	277	86	89	NE	1	NE	1	1	10	—	☉ a. and p. Beautiful day.
30	29.69	29.84	53.4	52.5	40.2	62.1	3.6	1.7	313	349	77	89	NE	3	NE	3.5	2	10	005	☉ a. and p. Beautiful day.
Mean	29.875	29.871	56.1	53.4	47.8	63.7	3.4	1.9	370	361	79.4	87.5	—	2.5	—	2.0	6.6	6.1	2.865	☉ a. and p. Beautiful day.

LONDONDERRY.—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	54.9	54.5	44.6	65.6	2.3	0.6	in.	in.	%	%	SW	2	S	1	4	10	ins.	1.020	
2	29.35	29.13	54.9	54.5	44.6	65.6	2.3	0.6	29.35	29.13	366	408	80	96	SW	2	S	1	4	10	0.020
3	45	44	57.4	53.3	49.4	64.4	2.7	0.4	392	396	83	97	NW	4	NW	1	10	3	5	2.10	
4	42	40	54.2	50.2	45.2	65.2	0.9	1.2	394	367	94	92	SW	1	NE	2	9	5	2.10		
5	45	45	54.5	57.2	46.2	57.6	1.5	0.6	382	450	90	96	E	2	E	2	10	10	1.30	(mist) 9a. Fine till 2.30p. 3p.	
6	30	29.38	54.7	52.7	49.5	61.5	2.3	1.8	363	349	85	87	SW	2	NNW	1	10	10	3.10	Constant all day. showers all day.	
7	29.83	30.12	52.7	48.6	47.1	57.1	4.8	1.3	278	310	71	91	NE	2	NW	1	8	1	—	—	
8	30.11	29.82	52.7	54.8	44.2	59.2	2.3	1.4	336	389	84	90	SW	2	SW	5	5	10	0.80	—	
9	29.76	29.5	50.3	48.4	46.0	60.7	0.7	2.4	482	281	96	83	SW	2	SW	5	10	5	0.80	—	
10	85	83	51.7	51.2	46.2	58.0	2.8	2.4	312	315	81	84	NW	4	NW	3	9	10	0.80	showers all day.	
11	63	76	54.0	49.7	47.6	58.3	1.2	2.0	382	306	92	86	NW	2	NW	1	10	10	0.80	—	
12	70	76	51.1	49.8	45.8	56.0	2.7	1.2	308	327	81	91	WNW	3	NW	3	9	4	1.00	Cold, with showers all day.	
13	90	95	52.9	50.6	46.5	56.8	2.7	3.2	328	289	82	78	NW	2	NW	1	7	5	—	—	
14	91	80	51.7	50.7	48.5	56.0	2.7	2.0	314	319	82	86	NW	3	N	1	10	10	1.70	from 5p.	
15	75	80	53.7	50.7	49.0	60.0	1.1	0.8	381	350	92	94	W	1	W	1	9	10	0.50	2 a., then fine and clear.	
16	29.85	29.98	53.7	53.3	48.5	60.5	1.8	1.7	361	359	87	88	NW	2	Calm	0	5	10	—	Fine all day.	
17	30.14	30.32	51.7	50.2	44.5	64.8	1.4	0.8	347	343	90	95	NE	2	Calm	0	2	0	—	Fine and clear all day.	
18	46	51	48.7	50.6	42.8	61.5	0.1	2.4	342	308	99	83	E	2	NW	1	9	2	—	Fine and clear all day.	
19	52	44	52.0	51.8	47.0	67.2	2.0	2.1	335	331	86	85	NW	2	Calm	0	10	8	—	Fine and clear all day.	
20	38	34	54.8	52.4	49.9	57.0	3.4	2.5	337	328	78	83	N	2	NE	1	10	10	—	—	
21	31	27	53.7	52.7	48.5	57.3	2.4	1.5	346	356	84	89	SE	1	N	1	10	10	—	—	
22	28	33	54.2	47.2	46.0	62.0	1.8	0.5	369	313	88	97	E	2	E	1	10	0	—	Fine and clear all day.	
23	40	44	45.2	50.0	41.0	65.2	0.3	0.6	295	345	98	96	NW	2	Calm	0	0	0	—	Fine and clear all day.	
24	46	30.35	46.7	52.5	42.5	67.2	0.8	0.6	300	378	94	96	NW	2	Calm	0	2	10	—	Fine and clear all day.	
25	30.18	29.85	55.0	54.5	42.0	66.3	1.1	1.1	400	393	92	93	SW	2	SW	2	10	10	5.20	(mist).	
26	29.57	29.45	53.2	47.2	46.5	57.6	2.3	1.2	342	295	84	92	NW	2	NW	1	4	10	3.80	showers all day.	
27	24	19	45.0	42.7	41.9	51.2	1.4	0.4	266	266	89	96	NW	2	NW	1	10	6	2.20	—	
28	22	33	45.7	44.2	41.5	53.1	1.9	1.0	264	267	87	93	NW	2	NE	1	10	10	0.60	showers during day.	
29	42	29.75	51.5	51.0	42.5	59.5	2.8	1.8	310	328	81	87	NE	3	NE	1	8	5	0.10	—	
30	29.96	30.11	52.2	48.7	46.5	62.9	1.8	0.8	342	324	88	94	NE	2	N	1	2	9	—	Fine and clear all day.	
Mean	29.819	29.836	52.5	50.8	46.1	60.4	1.9	1.4	346	338	87.1	90.3	2.1	1.3	7.8	6.8	4.260				

ARMAGH.—SEPTEMBER 1887.

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

1	29.23	28.93	57.8	54.6	49.2	63.1	3.6	0.4	375	415	78	97	SSW 1	NE 2	7	10	1.122	
2	28.96	29.24	54.9	51.7	51.3	64.0	1.3	1.7	394	339	92	88	NW 1	WSW 1	10	2	—	
3	29.35	29.32	55.0	53.6	48.7	60.0	1.8	1.0	381	383	88	93	SSW 2	SSW 1	10	8	—	
4	29.31	29.27	55.7	49.9	48.8	62.7	2.0	0.3	388	351	87	98	SW 1	SSW 1	10	4	2.54	
5	28.99	28.94	51.9	56.8	42.1	58.5	0.3	3.0	378	375	98	81	SE 1	SW 3	10	10	2.70	
6	29.15	29.23	54.0	48.6	48.0	59.5	2.1	0.4	357	333	85	97	SW 1	NNW 0.5	10	6	3.15	
7	29.69	29.59	53.4	45.5	45.0	58.6	3.5	1.4	316	272	77	90	N 1	NNE 0.5	10	6	—	
8	30.03	29.78	54.8	53.9	43.1	60.5	4.8	1.8	304	364	71	88	SSW 2	SSW 1	4	10	0.60	
9	29.68	29.74	60.0	50.0	49.1	62.7	1.2	3.3	479	280	93	78	SW 1	W 1	10	7	0.50	
10	75	74	54.1	50.0	44.0	57.5	4.7	2.2	296	304	71	85	WNW 1	WSW 1	10	9	1.15	
11	49	62	55.2	48.2	47.0	59.4	1.3	2.1	398	285	91	86	WSW 1	N 0.5	10	10	—	
12	57	62	53.2	45.5	42.8	55.7	4.4	0.7	293	289	72	95	W 1	W 0.5	4	5	—	
13	75	80	56.5	48.6	43.9	59.5	5.8	2.7	304	278	81	81	N 1	NW 1	9	8	—	
14	73	65	51.8	48.8	46.7	54.5	3.0	2.7	309	280	80	81	NW 1	W 1	10	10	—	
15	63	68	51.4	49.0	46.5	60.2	1.6	1.5	338	310	90	90	SW 1	SW 1	10	9	—	
16	73	29.84	55.4	47.7	47.0	60.7	2.4	2.1	371	281	85	85	SW 0.5	Calm	0	10	2	
17	29.98	30.18	53.0	47.2	42.0	60.8	1.1	1.3	371	294	92	91	SW 0.5	NE 0.5	9	0	0.13	
18	30.31	30.37	54.9	45.2	40.6	61.5	2.1	0.4	372	292	87	97	NE 0.5	NE 0.5	0	2	—	
19	36	29	54.1	45.7	39.5	60.3	3.0	0.9	336	287	80	94	NE 0.5	N 0.5	10	0	—	
20	21	19	57.0	45.7	44.0	60.8	4.0	1.1	351	282	75	93	N 1	Calm	0	7	2	
21	16	13	48.8	52.1	40.9	55.8	0.6	0.5	331	376	95	96	Calm	Calm	0	10	10	
22	13	17	53.4	46.5	46.1	57.7	1.6	0.7	364	300	90	95	Calm	Calm	0	10	9	
23	25	30	48.9	46.6	38.5	61.2	0.0	0.6	347	303	100	96	NE 1	Calm	0	10	4	
24	32	30.22	48.7	52.2	37.2	63.8	0.0	0.5	344	377	100	97	Calm	SW 1	10	10	10	
25	30.06	29.76	52.7	53.6	49.3	57.3	0.9	2.6	373	339	94	81	SW 1	SW 2	10	10	1.00	
26	29.48	29.33	54.7	46.5	46.1	57.5	2.7	1.2	352	288	82	91	NW 1	SW 1	6	8	1.91	
27	13	08	44.8	41.7	41.0	52.5	2.5	1.2	241	239	81	91	WSW 1	SW 1	7	9	1.40	
28	08	17	48.9	38.1	37.1	54.2	3.4	0.4	207	221	78	96	SW 0.5	NE 0.5	9	7	1.07	
29	23	55	48.4	49.5	34.8	53.5	0.5	1.4	328	318	96	90	NNE 1	NNE 1	10	7	1.05	
30	29.79	29.95	54.9	46.1	45.2	58.7	3.8	0.8	326	293	75	94	NE 2	NE 0.5	6	0	—	
Mean	29.685	29.702	53.3	48.6	44.2	59.3	2.3	1.4	346	312	85.0	90.5	0.9	0.8	8.7	6.5	2.842	

MARKREE CASTLE (SLIGO).—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.				9 p.m.	
1	ins.	ins.	56°0	54°0	46°3	60°4	2°2	0°7	ins.	ins.	°/80	°/95	SSE 1	NNW 2	10	10	ins.	1°800	Squally, with 2° from 4p.	
2	29°25	28°96	56°3	53°2	52°0	60°0	3°0	0°9	369	380	81	94	NNW 3	NW 0°5	10	10	°210	Squally, with 2° till 6a.		
3	37	39	56°3	50°1	47°6	64°0	1°3	0°2	415	357	91	98	S 1	Calm	0	10	9	3°00	T 3.15p. 2° (mist) p.	
4	38	36	54°7	48°1	39°9	60°2	0°6	0°2	411	331	96	98	Calm	0	10	9	°510			
5	30	30	50°5	55°8	42°7	59°4	0°6	2°6	352	373	95	83	SSE 4	NW 4	10	10	°230	before 9a.		
6	20	29°34	52°0	46°3	45°5	57°8	0°7	0°4	369	305	95	97	SSE 0°5	Calm	0	10	6	°060		
7	29°79	30°08	53°3	46°2	45°3	60°2	6°0	1°1	260	287	64	93	NNE 2	SSE 0°5	9	4	—			
8	30°05	29°79	54°9	56°0	39°0	57°2	2°1	1°7	372	399	87	89	SSW 2	SW 4	10	10	°100			
9	29°74	29°83	60°0	50°3	50°0	60°8	0°8	3°3	492	283	95	78	SSW 1	W 1	10	8	°070			
10	87	83	53°9	51°8	46°7	56°2	4°1	2°4	307	323	74	84	W 3	SSE 0°5	10	10	°120	Overcast all day.		
11	60	72	57°0	49°2	48°7	59°0	1°5	1°0	420	324	90	93	NNW 4	Calm	0	10	°130			
12	68	73	54°0	48°5	45°3	55°7	4°8	1°1	292	313	70	92	NNW 3	NNE 0°5	9	8	°060			
13	86	92	53°3	51°5	45°7	57°9	3°2	5°0	321	261	79	69	NNW 1	NNW 0°5	9	10	—			
14	87	77	52°9	50°4	48°2	54°2	5°5	2°3	266	308	66	85	NNW 2	Calm	0	10	10	Overcast all day.		
15	71	77	52°4	50°2	46°1	57°2	2°2	1°2	335	332	85	92	SSW 1	Calm	0	10	9	°010		
16	29°81	29°93	55°6	47°9	46°0	58°2	2°5	1°3	372	301	84	91	WNW 0°5	Calm	0	7	2	°040	b° in past n.	
17	30°05	30°24	56°9	50°1	36°8	64°0	4°1	2°9	348	290	75	80	NNE 2	NNE 1	5	2	—	at night.		
18	37	44	56°6	48°3	37°2	63°3	3°5	2°0	360	289	78	86	NNE 0°5	NE 2	2	2	—			
19	46	38	51°9	42°5	31°7	59°4	3°5	0°2	299	268	77	98	ENE 0°5	Calm	0	6	9	—	b° in past n.	
20	31	26	56°0	51°6	37°6	61°0	4°2	2°3	335	323	74	84	N 1	Calm	0	9	10	—		
21	22	18	54°8	52°8	33°5	56°9	3°5	1°1	335	369	78	92	ENE 0°5	Calm	0	4	10	—	in past n.	
22	19	23	54°9	43°0	42°3	58°3	2°2	0°4	370	268	86	97	Calm	0	Calm	0	10	9	—	
23	29	36	51°5	43°7	33°1	62°9	1°2	0°3	349	278	91	97	Calm	0	Calm	0	8	8	—	b° in past n. ∞° a. and p.
24	38	30°30	48°5	48°3	33°2	63°2	0°2	0°1	336	337	98	99	Calm	0	Calm	0	10	10	—	a. and p. ∞° during day.
25	30°14	29°83	52°0	53°9	45°1	61°1	0°5	0°8	375	393	97	95	Calm	0	SSW 2	10	10	°230	n. and a.	
26	29°60	43	50°1	47°0	56°8	0°9	0°9	338	301	93	94	W 1	SW 0°5	9	10	°460				
27	21	16	48°6	42°7	39°7	51°6	3°9	0°7	252	259	73	94	NNW 3	NW 0°5	7	10	°810	showers.		
28	17	27	46°1	41°8	40°1	52°1	1°4	1°2	279	240	90	91	NW 1	NW 0°5	9	5	°190	showers before 9a.		
29	36	29°66	52°8	50°7	38°6	55°7	3°2	2°9	316	297	79	81	NNE 2	N 1	9	5	°010			
30	29°87	30°03	55°6	44°0	43°1	60°8	3°9	0°7	337	272	76	94	NNE 4	NNE 0°5	4	2	—			
Mean	29°765	29°787	53°6	49°0	42°4	58°9	2°6	1°4	346	315	83°4	90°4	1°5	0°7	8°5	7°8	5°340			

PARSONSTOWN (BIRR CASTLE).—SEPTEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	3 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	59.0	57.3	50.0	60.3	3.9	1.6	in.	in.	%	%	Calm	0	SE	1	8	7	ins.
2	29.23	28.78	59.0	57.3	50.0	60.3	3.9	1.6	.383	.421	77	80	Calm	0	SE	1	8	7	.578
3	29.39	29.36	55.9	54.9	51.0	64.1	2.6	2.0	.374	.375	84	87	SW	3.5	SW	3	10	7	—
4	29.38	29.36	60.9	53.2	50.1	65.6	4.6	1.0	.392	.380	74	94	SW	3	Calm	0	6	10	.154
5	29.04	29.00	59.3	55.1	48.7	60.0	1.4	1.4	.406	.360	89	92	SW	1	WSW	2	10	8	.338
6	29.29	29.29	56.2	49.2	48.6	59.6	3.4	1.6	.394	.391	91	90	SW	4	SSW	4	10	10	.031
7	29.74	30.07	55.0	46.1	45.0	60.0	4.1	1.9	.323	.268	75	86	WNW	2	NNE	1	10	5	.023
8	30.10	29.88	57.3	54.9	42.6	61.0	6.2	1.5	.304	.338	64	91	S	2	SE	1	9	8	—
9	29.79	29.85	61.5	51.8	51.1	64.8	2.9	1.6	.452	.343	83	88	SW	3	SW	1	10	0	.118
10	29.90	29.87	54.4	50.2	46.0	57.6	4.9	2.7	.296	.296	70	82	WNW	2	NW	1	10	10	.032
11	29.64	29.69	59.2	51.9	49.2	62.0	2.3	1.8	.431	.339	86	88	W	3	W	1	9	10	—
12	29.60	29.73	52.6	49.9	47.1	57.8	4.0	2.5	.295	.297	75	84	WNW	3	WSW	1	10	10	.010
13	29.82	29.89	54.4	45.9	44.2	58.9	5.2	2.1	.289	.263	69	86	N	3	Calm	0	1	10	—
14	29.85	29.78	52.2	49.8	45.0	56.0	4.2	2.9	.285	.287	73	81	WNW	2	WNW	2.5	10	10	—
15	29.73	29.76	53.1	51.1	46.0	54.5	3.3	0.9	.316	.352	78	93	WSW	1	Calm	0	10	10	.111
16	29.81	29.88	55.4	52.4	50.0	63.1	1.5	2.3	.396	.333	90	85	Calm	0	Calm	0	9	3	—
17	30.01	30.16	51.9	45.0	37.0	61.9	1.9	1.6	.336	.262	87	88	N	1	Calm	0	4	0	—
18	29.30	29.36	53.9	46.8	40.8	63.6	3.4	1.8	.324	.277	87	89	NW	1	Calm	0	0	0	—
19	29.42	29.34	45.8	46.1	37.2	61.0	0.8	1.2	.289	.284	94	91	Calm	0	Calm	0	8	1	—
20	29.27	29.21	53.0	53.1	38.8	61.3	1.6	2.3	.358	.341	89	84	Calm	0	Calm	0	10	10	—
21	29.19	29.14	50.8	55.5	38.2	61.3	1.8	1.6	.325	.395	87	89	Calm	0	Calm	0	10	10	—
22	29.15	29.18	54.3	49.0	48.5	58.0	1.8	1.1	.371	.320	88	92	Calm	0	NNE	1	10	5	—
23	29.26	29.30	49.7	50.6	40.6	63.8	0.8	1.8	.336	.323	94	88	Calm	0	Calm	0	10	3	—
24	29.36	29.29	47.3	50.2	30.4	65.0	1.3	1.2	.294	.332	91	92	Calm	0	Calm	0	0	10	—
25	29.15	29.00	55.7	54.5	45.8	60.6	1.8	4.1	.393	.316	88	74	SW	1	SW	2	10	10	.066
26	29.60	29.46	55.1	46.1	45.4	58.5	3.4	1.3	.341	.282	78	91	WNW	2	Calm	0	7	3	.035
27	29.23	29.19	49.1	43.3	40.8	54.2	3.1	1.8	.275	.242	78	86	SW	3	WNW	1	8	7	.012
28	29.16	29.20	46.5	42.1	35.8	51.6	3.1	1.3	.246	.240	79	90	WNW	2.5	Calm	0	8	1	.018
29	29.32	29.56	45.0	43.1	35.2	51.8	1.1	1.1	.273	.254	91	91	NW	1	WNW	2	10	6	.131
30	29.75	29.96	55.0	44.9	36.3	59.1	3.8	1.3	.330	.268	76	91	NNE	4	Calm	0	3	0	—
Mean	29.754	29.767	53.9	49.9	43.9	59.9	2.9	1.8	.342	.318	81.8	88.0	1.7	0.8	8.0	6.5	1.672		

☉² from 0.30p.

Squally all day.

☉ 1.30p.—6.30 p. ☼³ 9p.

☾⁶p. Lunar ☾⁹p.

Squally ☼ (gale) during day.

"Noah's ark" SW.—NE. 9p.

☾⁹p.

☉ from 4p.

Squally before 9a. Sky cleared sud-

denly at 8.30p.

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SWANBISTER.—OCTOBER 1887.

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

1	30°08	30°12	51°5	52°0	45°0	52°1	2°7	2°0	*312	*335	82	86	WNW	3	WNW	3	10	10	0°30
2	29°18	29°21	52°0	52°6	50°5	53°3	1°5	1°5	*348	*356	90	90	NW	3	WNW	2	10	10	—
3	29°19	29°20	52°0	51°0	50°0	53°1	2°0	1°0	*335	*348	86	93	WNW	3	WNW	4	10	10	—
4	30°19	30°19	52°2	49°7	49°2	53°9	3°2	0°9	*308	*333	79	94	W	4	W	3	8	5	0°60
5	30°12	29°99	53°2	53°0	48°3	53°7	2°2	2°0	*344	*347	85	86	WSW	3	W	6	9	6	1°50
6	29°93	29°87	49°1	43°8	43°0	53°2	0°3	0°8	*342	*267	98	94	NE	1	NE	3	10	10	1°660
7	29°85	29°86	41°5	40°3	37°4	43°8	2°5	2°0	*211	*210	81	84	N	1	NNW	3	10	3	0°50
8	29°92	29°93	43°7	38°1	37°1	45°4	2°2	1°1	*237	*207	83	90	N	3	NNW	1	8	3	1°50
9	29°87	29°81	40°8	39°8	34°8	46°9	1°7	2°4	*219	*198	87	81	NNE	1	N	3	7	9	1°10
10	29°76	29°69	39°7	39°0	35°1	43°2	1°9	3°8	*206	*167	84	71	N	3	N	5	8	9	2°70
11	29°60	29°57	39°3	34°8	32°1	41°6	2°1	2°8	*200	*150	84	73	NNW	4	NNW	3	8	2	1°70
12	29°49	29°72	41°8	41°8	32°1	45°1	2°2	2°4	*220	*216	83	82	NNW	6	N	5	8	3	3°60
13	29°89	29°80	40°8	39°3	38°2	44°3	2°9	1°5	*197	*211	77	88	NNW	4	NW	5	9	5	2°20
14	29°82	29°00	36°8	39°2	32°0	41°0	4°1	2°7	*147	*188	67	79	NNW	4	NNW	3	10	3	0°30
15	30°13	29°15	39°7	42°0	35°6	43°9	2°7	1°0	*192	*245	78	92	NNW	2	NNW	1	5	8	0°50
16	29°14	29°31	49°7	47°7	40°3	50°2	1°7	3°5	*313	*250	88	76	W	4	NNW	3	10	8	0°50
17	29°33	29°23	51°6	50°4	46°2	51°6	1°3	2°0	*348	*315	91	86	W	3	WSW	6	9	8	0°40
18	30°11	30°07	52°8	51°8	48°6	53°9	4°6	2°1	*283	*331	71	85	WSW	7	WSW	6	8	9	0°10
19	29°89	29°79	52°7	45°9	41°8	53°1	3°1	3°1	*317	*241	80	79	SW	5	W	6	10	8	2°40
20	30°01	30°25	45°8	41°0	41°0	46°1	4°2	2°0	*219	*215	72	84	NW	4	NW	5	8	9	—
21	29°37	29°30	39°7	42°0	36°0	43°3	4°1	2°0	*168	*225	60	85	NNW	3	W	1	10	8	0°30
22	29°05	29°07	47°4	49°0	41°2	51°5	3°0	0°8	*258	*327	79	94	SSW	5	NNW	3	9	10	0°40
23	29°81	29°83	43°5	35°0	33°0	49°0	0°8	3°0	*265	*148	94	72	NW	3	NNW	3	9	10	0°80
24	30°08	30°39	33°5	35°0	30°0	38°1	3°0	3°5	*135	*141	70	69	NNW	2	NNW	5	5	10	0°20
25	30°40	30°15	40°0	40°8	34°1	42°4	3°0	2°3	*189	*208	76	82	NW	1	SSW	5	8	9	—
26	29°79	29°53	43°6	48°9	40°1	48°9	2°6	2°4	*228	*288	80	84	SSW	6	SSW	5	10	10	4°50
27	29°49	29°26	47°0	48°0	46°1	50°1	0°3	1°0	*316	*309	98	93	Calm	0	SSW	3	9	10	0°20
28	29°12	29°13	47°3	42°6	41°3	50°1	2°3	2°0	*271	*230	84	85	SSW	5	SSW	4	7	6	0°30
29	29°08	29°08	44°2	42°3	40°2	46°7	1°9	1°5	*248	*238	85	89	SSW	4	SSW	3	9	2	0°30
30	28°99	28°94	42°3	44°7	38°7	47°8	1°9	2°7	*230	*236	86	80	SW	1	S	2	3	9	0°30
31	29°03	29°26	41°4	31°9	31°3	44°7	1°6	1°6	*227	*144	88	80	NNW	4	NNW	4	8	1	1°70
Mean	29°863	29°855	45°1	43°7	39°7	47°8	2°4	2°0	*253	*246	82°4	84°1	3°3	—	3°7	—	8°5	7°2	4°520

Overcast all day.

0 0 showers during day.

showers all day.

6p.

showers.

showers all day.

showers before 9a.

(40 miles per hour) p.

* showers 9p.

showers a.

Overcast all day.

Partial 0 9a.

Fine day.

2 showers.

DUNROBIN CASTLE.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	50.5	50.7	41.5	56.0	2.8	4.0	in.	in.	273	81	SE	SW	—	ins.		
2	30.20	30.20	50.5	52.5	47.6	55.7	3.5	3.5	299	305	77	77	NW	NW	—	—		
3	33	35	52.0	52.5	47.6	55.7	3.5	3.5	299	305	77	77	NW	NW	—	—		
4	33	35	54.5	52.7	48.1	61.2	3.5	4.2	330	291	88	74	SW	W	—	—	Fine and breezy.	
5	32	31	54.7	51.5	49.6	58.9	5.7	3.1	282	303	66	79	NW	NW	—	—	Fine day.	
6	26	19	53.5	54.0	49.6	55.3	3.0	4.5	329	299	80	72	W	W	—	—	Fine day.	
7	30.09	30.07	55.3	56.5	50.6	61.4	4.0	3.8	330	351	76	77	NW	NW	—	—	460	
8	29.94	29.99	42.4	35.5	35.4	57.6	0.7	0.6	256	197	95	95	NE	SE	—	—	260	
9	30.04	30.08	46.2	38.9	31.5	47.5	4.7	2.3	214	189	69	81	NE	N	—	—		
10	29.94	29.98	44.4	42.2	37.4	46.5	3.9	3.8	211	195	72	73	N	NW	—	—	Fine, but cold.	
11	83	85	43.9	37.4	37.1	47.7	4.5	2.5	196	176	68	79	NE	NW	—	—	130	
12	72	69	36.8	33.3	32.5	40.5	1.4	1.8	191	154	88	81	N	NW	—	—	150	
13	61	85	40.9	40.2	32.5	45.5	2.0	2.6	214	198	84	80	N	N	—	—	420	
14	30.00	29.93	41.9	41.4	38.1	49.0	3.0	2.2	206	216	78	83	NE	NE	—	—	100	
15	29.87	30.12	37.4	39.2	36.1	43.3	3.1	3.0	167	183	74	76	NE	NW	—	—		
16	30.20	30	39.2	42.2	34.7	48.0	3.3	2.6	177	216	74	81	W	NW	—	—		
17	29	41	50.7	40.4	38.6	57.9	2.4	1.0	300	230	84	92	NW	W	—	—		
18	41	35	51.0	51.5	37.4	56.3	2.5	5.8	311	245	83	65	W	W	—	—		
19	30.30	30.19	53.0	53.0	49.8	57.4	4.5	4.7	288	284	72	71	W	NW	—	—		
20	29.95	29.95	53.3	46.2	45.7	55.7	4.3	3.9	296	220	73	74	W	NW	—	—	230	
21	30.15	30.32	45.2	40.4	37.8	51.5	2.9	2.2	237	207	79	83	NW	NW	—	—		
22	44	40	40.4	39.2	37.6	47.0	4.0	1.8	175	205	70	85	NW	NW	—	—		
23	30.18	30.05	46.4	53.5	34.5	57.4	2.7	5.8	254	266	81	66	W	W	—	—	080	
24	29.95	29.94	45.2	34.3	34.0	53.5	1.9	2.0	258	159	86	80	W	NW	—	—	320	
25	30.23	30.52	33.3	32.5	31.5	35.9	2.0	0.4	150	177	79	95	N	N	—	—	250	
26	30.52	30.32	37.1	36.8	31.5	41.5	3.0	1.4	166	191	75	88	NW	NW	—	—		
27	29.93	29.71	43.4	47.7	36.6	48.5	2.9	1.4	221	296	78	99	NW	W	—	—		
28	58	40	52.0	49.7	45.9	56.0	2.3	3.0	328	283	84	80	W	NW	—	—		
29	28	27	45.4	40.4	40.4	54.5	2.4	1.2	249	226	83	91	NW	NW	—	—	040	
30	19	30	41.4	40.2	37.8	49.7	0.9	0.6	242	198	93	80	NW	NW	—	—		
31	11	06	39.6	37.6	35.8	50.3	3.4	0.7	179	211	73	94	NW	NE	—	—	110	
31	29.19	29.35	40.6	32.1	30.5	44.5	1.2	0.8	227	164	90	90	NW	N	—	—	120	
Mean	29.980	29.985	45.5	43.3	39.0	51.3	3.0	2.7	245	230	78.8	80.8	—	—	—	—	2.670	

LAUDALE.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.								Per-centage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	49.9	51.2	41.0	52.9	1.9	2.3	in.	in.	NNW 2	Calm 0	9	7	ins.	☁ (mist) a. Double U gp.		
2	36	38	51.5	52.9	49.4	56.3	2.5	1.9	317	348	83	87	10	10	—	Dull a.		
3	39	39	54.9	53.0	50.4	58.0	4.7	2.0	308	347	71	86	10	10	—	Dull a. Cloudy all day.		
4	44	35	53.0	51.0	49.9	54.5	3.3	2.1	315	321	78	85	10	9	0.20	☁ (mist) p.		
5	31	23	50.4	50.9	48.5	53.8	0.8	1.3	345	339	94	91	10	10	0.30	☁ (mist) a. and p. ☁ showers p.		
6	30.13	30.03	52.3	54.3	49.9	55.3	1.5	2.3	352	357	90	85	10	10	1.30	☁ (mist) a. and p. Dark day.		
7	29.91	29.95	53.4	43.7	43.4	55.8	2.3	3.2	345	218	85	76	10	9	1.20	☁ (mist) a. ☁ from NW, changing suddenly to SE.		
8	30.06	29.95	43.0	36.5	33.9	49.4	3.2	1.5	211	188	77	82	10	9	—	ESE 2		
9	29.91	29.83	41.8	39.1	33.4	46.5	2.9	1.2	207	215	78	90	10	4	—	E 1		
10	29.78	29.70	40.8	40.1	35.1	46.8	2.4	1.8	206	212	81	85	10	8	—	N 1		
11	29.76	29.71	36.9	34.6	34.5	43.8	0.9	1.5	201	171	92	85	10	9	0.70	NW 2		
12	29.67	29.81	35.3	42.0	31.3	46.9	0.9	2.7	197	212	92	80	10	2	0.40	NW 1		
13	30.01	30.04	41.9	44.6	36.3	47.6	2.9	2.3	208	243	79	82	10	3	—	NNW 2		
14	29.90	29.90	40.6	33.0	33.0	46.6	1.6	1.2	219	163	87	87	10	5	1.60	N 1		
15	30.22	30.22	40.5	44.3	31.6	45.0	1.7	2.6	217	235	87	80	10	6	—	N 4		
16	30.35	30.35	45.0	49.0	41.5	57.8	0.1	1.0	207	322	99	93	10	9	0.60	Calm 0		
17	30.52	30.52	50.9	50.7	42.0	51.7	1.9	3.4	224	286	87	78	10	10	0.50	Calm 0		
18	30.39	30.39	52.0	52.6	49.0	55.2	2.8	3.5	315	306	81	77	10	9	—	W 3		
19	30.21	30.21	51.0	50.0	48.0	54.9	3.2	4.7	294	251	79	70	10	7	3.80	WNW 3		
20	30.25	30.25	48.9	44.0	44.0	52.7	4.0	2.1	254	242	73	83	10	4	0.10	WNW 3		
21	30.48	30.48	36.3	39.4	34.9	48.4	1.0	1.4	195	214	91	89	10	1	—	NW 2		
22	30.31	30.15	49.6	52.0	39.0	52.8	2.6	3.0	291	310	82	80	10	10	3.50	Calm 0		
23	29.99	29.98	46.0	38.3	37.7	52.8	1.0	1.3	287	205	93	89	10	10	3.70	SSW 2		
24	30.22	30.52	33.8	35.0	32.1	38.7	0.3	1.1	188	182	97	89	10	8	1.30	N 2		
25	30.58	30.39	37.6	41.8	35.0	42.4	1.7	1.8	192	227	85	86	10	10	0.30	Calm 0		
26	30.05	29.70	44.9	49.9	41.0	49.9	1.9	1.1	254	330	86	93	10	9	9.00	W 1		
27	29.61	29.61	43	52.5	53.1	49.8	54.4	1.2	2.2	362	344	92	84	10	10	2.40	WNW 4	
28	30.34	30.34	48.3	46.1	42.8	54.3	3.3	3.1	261	243	77	78	10	3	8.30	W 3		
29	30.18	30.18	45.1	44.5	40.3	57.9	3.1	2.5	232	239	78	81	10	7	5.60	WSW 2		
30	30.07	30.07	40.0	45.0	37.7	45.9	1.1	2.0	224	253	91	85	10	6	3.50	E 1		
31	29.24	29.26	40.0	43.3	35.0	46.8	0.4	0.3	239	273	97	98	10	10	1.280	S 1		
Mean	30.028	30.013	45.5	45.4	40.4	50.8	2.0	2.1	263	262	85.5	84.6	1.2	1.3	8.0	7.3	6.130	SSE 2

DUNDEE.—OCTOBER 1887.

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

1	30.03	30.09	44.0	46.9	38.1	59.1	1.3	0.5	259	309	90	97	NW 1	W 1	5	7	—	Dull day.
2	43	49	48.6	50.9	41.0	59.9	2.5	2.8	282	302	83	82	W 1	W 1	5	10	—	Dull day.
3	49	47	48.4	48.0	40.2	62.6	2.9	2.6	271	272	80	82	W 1	W 1	0	5	—	Fine day.
4	48	46	46.6	43.5	37.7	60.6	2.1	0.1	260	280	86	99	NW 1	W 1	0	0	—	Fine day.
5	30.14	30.03	48.0	51.4	43.5	56.5	2.5	2.5	274	316	83	83	NW 1	NW 1	5	10	—	Dull day.
6	29.93	29.83	51.6	49.4	43.7	62.1	3.2	1.4	301	317	78	90	NW 2	W 1	5	10	—	Dull from noon.
7	73	78	51.4	40.3	40.1	51.7	1.7	1.1	336	227	88	92	SE 1	E 1	10	10	3.00	☁ 10a.—8p.
8	81	77	43.0	35.7	33.9	49.1	2.8	1.1	219	189	79	90	NE 2	NE 1	0	0	—	Fine day.
9	70	58	38.9	37.7	33.6	48.2	0.8	1.6	221	195	94	86	NE 2	NE 6	5	7	1.50	
10	53	55	42.0	37.6	35.3	48.0	1.4	2.9	227	172	89	76	NE 8	NW 1	5	7	—	
11	48	49	38.4	34.2	32.9	42.1	3.3	2.8	171	145	74	73	NW 2	NW 2	5	5	—	☁ 11a.—4p.
12	39	53	38.2	40.5	28.5	44.0	3.4	2.5	168	202	73	81	NW 2	NE 6	10	10	0.50	☁ showers from 1p.
13	78	78	44.5	40.3	39.0	48.5	3.5	2.2	219	206	75	83	N 6	NW 1	10	7	—	
14	29.68	29.87	37.7	38.6	36.8	43.0	1.9	3.8	190	165	83	71	NW 1	N 6	5	0	—	☁ showers till 9a. (gale at times)
15	30.04	30.16	40.0	33.5	32.2	49.8	3.2	0.7	186	178	75	93	NW 1	N 1	7	0	—	[10a.—3p.]
16	49	47	39.5	46.0	30.1	55.4	2.6	2.9	192	246	70	80	SW 1	W 1	5	5	—	Fine day.
17	34	29	39.6	44.8	32.3	53.8	1.1	1.4	221	264	91	89	NW 1	W 1	7	10	—	Fine till 3p., then dull.
18	30.15	30.15	48.4	48.9	43.8	55.3	2.7	2.5	275	286	81	83	W 1	W 1	10	10	—	Dull day.
19	30.00	29.84	50.4	51.4	40.4	53.9	3.6	1.8	278	333	77	88	W 8	W 6	10	10	—	Dull day. (gale) till 3p.
20	30.4	30.18	46.7	41.8	41.6	53.6	4.9	2.7	214	211	68	80	W 1	NW 1	7	7	—	
21	34	33	39.7	33.3	32.6	47.1	2.7	0.7	192	176	78	93	NW 1	NW 1	5	0	—	
22	30.20	30.00	42.4	47.3	29.6	50.4	2.3	2.1	223	276	83	85	SW 1	W 6	10	10	—	Dull day.
23	29.78	29.73	48.6	38.0	37.8	50.0	1.2	2.3	312	185	92	81	W 2	NE 2	10	10	0.50	Dull day. ☁ showers.
24	29.98	30.26	36.4	33.1	31.3	39.4	4.2	2.0	142	148	66	78	NW 8	N 6	5	7	—	☁ (gale) till 4p. ☁ showers.
25	30.40	30.24	35.7	36.4	31.3	41.1	3.6	1.7	146	184	69	85	NW 2	NW 1	10	7	—	Dull day.
26	29.96	29.68	42.1	46.4	35.9	47.5	3.3	1.5	203	230	76	89	SW 8	SW 2	10	10	—	Dull day. (gale) till 6p.
27	51	29	50.6	50.6	46.4	56.0	1.3	1.5	335	330	91	90	SW 2	SW 2	10	10	—	Dull day.
28	22	20	47.3	42.2	42.0	52.1	2.7	2.1	263	235	81	85	SW 2	SW 2	10	7	1.50	☁ showers.
29	29.09	29.13	41.7	38.5	38.5	47.1	1.2	0.2	238	229	91	98	SW 2	W 1	5	7	—	
30	28.96	28.92	38.2	41.4	35.3	47.7	1.6	1.7	199	225	87	87	SW 1	SW 2	5	5	—	
31	29.03	29.19	38.1	32.9	32.0	47.0	3.3	1.4	169	158	74	85	SW 1	NW 1	5	7	1.00	
Mean	29.838	29.829	43.4	42.0	36.9	51.1	2.5	1.8	232	233	81.1	85.6	2.4	2.2	6.5	6.8	0.800	

GLASGOW.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	42.0	50.3	34.2	58.3	0.3	2.9	in.	in.	%	%	ESE 1	NW 1	8	10	—	Fine day.
2	15	19	49.8	52.1	41.3	57.7	2.5	3.3	295	304	83	78	SW 1	WSW 1	7	10	—	
3	21	18	51.7	46.4	44.5	58.7	2.5	1.4	319	283	83	90	SW 1	SW 1	10	0	—	
4	20	17	39.8	43.8	34.0	56.0	0.8	0.8	229	267	94	94	N 1	SW 1	10	0	—	Fine day.
5	30.13	30.05	48.7	49.2	40.1	54.5	1.2	1.1	313	322	92	92	SW 1	SW 1	10	10	—	Overcast.
6	29.98	29.86	51.1	50.7	46.6	56.3	1.4	1.5	339	330	90	90	SW 1	SSW 1	10	10	—	Overcast all day.
7	76	77	53.4	41.3	39.1	54.6	3.1	1.0	325	238	79	92	SW 1	NE 1	10	10	2.88	Gloomy and overcast, with ☉.
8	79	77	43.4	40.8	36.3	59.8	3.6	3.4	208	188	74	74	NNE 3	NNE 1	4	1	—	
9	79	77	36.1	40.3	29.4	47.0	1.1	3.2	191	188	90	75	SSE 1	NNW 2	3	1	1.60	Fine day.
10	53	57	40.6	37.3	34.4	47.5	2.4	1.9	204	186	81	84	NNW 2	SSW 1	10	1	0.40	☼ 2 ☼ 3 (sleet) shower.
11	51	53	39.1	36.7	30.5	44.1	3.6	1.2	172	144	73	67	SW 1	NNW 1	9	0	—	
12	44	56	36.1	42.6	27.1	45.4	2.9	4.8	159	181	75	67	SW 1	NNW 5	5	6	—	Fine day. Squally p.
13	78	81	44.7	44.2	35.3	52.6	6.4	4.6	173	197	58	68	NNW 2	W 1	9	10	0.20	
14	29.67	29.90	42.8	35.7	34.0	45.6	5.3	3.3	174	149	64	71	N 3	WSW 1	4	1	—	Squally.
15	30.04	30.15	34.9	41.3	27.5	46.4	2.5	3.3	156	195	76	76	SW 1	NNE 1	1	10	—	Fine day.
16	22	29	42.3	45.0	35.6	53.5	1.7	0.6	234	285	87	95	SW 1	S 1	7	0	—	
17	36	32	46.8	48.5	34.1	52.4	1.1	2.0	204	293	92	86	SW 1	SSW 1	8	10	—	Dull and overcast.
18	25	30.19	50.3	49.8	44.7	52.7	2.9	2.5	202	295	81	83	SW 2	SW 3	10	10	—	Dull and overcast.
19	08	29.92	49.9	49.5	45.6	53.0	3.2	1.5	280	316	79	90	SSW 4	SW 5	10	4	—	Overcast, with squally.
20	07	30.19	46.4	41.9	39.5	51.5	3.6	2.5	236	214	75	82	SSW 1	W 1	5	1	—	
21	32	32	36.1	35.1	32.8	49.4	1.1	1.2	191	181	90	83	NW 1	NNW 1	8	3	—	Fine day.
22	30.20	30.04	46.3	47.7	31.4	53.8	2.8	2.0	250	264	81	80	S 1	S 1	9	10	0.90	Fine day.
23	29.82	29.74	49.3	40.7	38.4	50.7	1.1	2.2	323	209	92	83	SSW 1	WNW 1	10	3	—	
24	30.02	30.32	37.3	32.7	29.4	48.4	4.8	3.9	140	111	63	60	WSW 1	W 1	4	8	—	
25	40	30.35	34.6	38.8	28.4	53.6	3.2	2.6	142	186	70	80	W 1	S 1	9	10	—	Dull and cloudy.
26	29.94	29.65	44.8	47.0	36.4	48.1	3.8	0.7	217	305	72	95	SSE 1	SE 3	10	10	2.40	Overcast, with squally ☼ ☉.
27	50	53	50.7	49.8	43.5	53.4	0.7	1.3	352	325	95	91	S 1	SSW 1	10	10	0.11	Dull and overcast.
28	25	24	47.8	45.1	41.1	51.3	2.9	2.8	205	238	81	80	SSW 2	SSW 1	4	9	300	Squally ☼ ☉.
29	29.13	29.11	41.3	41.8	38.4	50.8	1.3	1.5	231	232	90	89	SSW 2	S 2	8	9	234	☼ ☉ ☼

SCARBOROUGH.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	51°0	50°1	49°0	52°5	2°2	1°0	in.	in.	%	%	N	5	NW	1	8	9	ins.	—	
2	29°12	30°08	52°3	52°0	47°0	55°7	2°5	2°3	317	335	85	93	N	5	NW	1	8	9	—	—	
3	20	20	53°1	53°0	51°0	57°0	3°4	4°9	325	328	83	84	NW	2	NW	1	8	10	—	—	
4	21	21	53°6	49°0	48°8	54°3	2°9	1°9	315	279	78	70	NW	2	NW	1	10	9	—	—	
5	30°16	30°07	47°7	48°4	43°8	52°0	1°4	1°8	333	299	80	87	NW	1	NW	1	9	9	—	Overcast all day.	
6	29°08	29°08	50°4	49°8	47°0	52°9	2°7	2°0	297	295	90	87	SW	1	SW	1	10	5	—	Dull and cold. Bright evening.	
7	29	29	52°1	51°1	49°0	57°7	2°5	1°4	307	307	82	86	NW	1	SW	3	10	10	—	Very dull.	
8	26	26	45°4	43°3	43°0	51°3	2°7	1°4	324	339	83	90	SW	2	SW	3	10	10	190	☉ at night.	
9	29	29	44°9	47°3	43°0	48°2	1°2	1°9	243	249	81	89	NE	2	NE	2	10	10	490	Cold, with ☉ all day.	
10	27	39	47°5	45°7	43°7	48°0	3°4	5°1	271	280	91	87	NE	4	NE	5	10	10	650	Stormy, with ☉ all day.	
11	40	40	35°8	38°7	34°8	46°0	0°5	1°1	251	202	77	67	NE	6	NW	7	10	0	150	☉ showers a. Bright p. (gale) all day.	
12	38	38	36°1	40°9	32°0	44°3	2°6	1°5	199	214	95	91	NW	5	SE	3	5	10	240	Stormy. ✱.	
13	56	75	47°0	42°1	40°0	49°3	3°6	2°4	243	225	77	88	NW	4	SW	3	1	4	130	Bright and cold. ☁☁☁ op. Roads icy.	
14	54	29°71	42°7	43°7	38°7	46°3	2°3	4°3	218	75	82	N	7	NW	3	8	0	0	040	☉ ☉ showers. Bright p.	
15	29°88	30°10	46°7	44°0	41°2	48°7	3°3	1°6	240	218	75	82	N	7	NW	3	8	0	040	☉ ☉ showers. Bright p.	
16	30°20	26	42°5	44°2	37°3	46°8	3°8	2°3	252	225	77	87	N	6	W	1	1	8	030	(gale), with cold ☉ showers.	
17	36	36	47°6	45°0	42°5	52°3	1°7	1°6	243	252	77	87	N	6	W	1	1	8	030	Bright and calm.	
18	34	27	46°7	47°6	42°0	50°9	3°8	2°3	288	263	88	83	NW	1	SW	1	0	0	—	Brilliant and warm.	
19	19	04	47°5	48°6	45°0	53°0	2°2	2°3	235	275	74	84	NW	2	SW	2	7	10	—	Very fine and dry.	
20	10	17	49°3	45°2	44°5	53°0	4°7	3°8	276	286	85	84	SW	1	E	1	5	10	—	Very bright.	
21	27	37	44°7	41°2	39°0	45°5	2°8	2°8	243	220	70	73	W	3	W	4	1	0	010	Fine and bright.	
22	30°29	30°19	35°1	40°7	32°0	45°8	1°1	1°3	234	204	79	79	NW	3	NW	2	6	0	—	—	
23	29°89	29°07	46°7	47°1	40°0	52°8	1°3	2°5	182	226	89	89	SW	3	SW	4	4	5	—	Fine and bright.	
24	29°81	30°11	34°6	36°7	34°0	48°1	0°3	1°7	269	305	95	96	SW	5	W	4	10	6	350	Dull, with ☉. Fine later.	
25	30°29	30°31	41°7	35°0	34°0	42°8	3°3	1°5	194	185	97	85	NW	7	NW	11	6	7	340	☉ ☉ showers.	
26	30°18	29°00	31°6	41°7	29°0	43°5	1°1	3°3	174	174	75	85	NW	9	N	3	10	1	060	Bright day.	
27	29°76	30	43°5	46°9	40°5	46°9	0°6	0°6	152	198	86	76	SW	2	NW	10	3	9	050	Bright and frosty. ☉ 2.	
28	38	44	47°6	43°0	42°0	54°3	0°8	1°6	305	242	95	87	W	2	SW	1	2	10	10	—	☉ a. and p.
29	28	29	45°7	41°7	39°0	49°3	2°6	1°8	311	242	95	87	W	2	SW	1	2	0	020	Very fine and bright.	
30	28°08	13	41°7	39°7	39°0	48°0	0°8	1°3	248	226	82	86	SW	4	S	1	0	10	330	Brilliant day.	
31	29°18	29°35	39°1	38°0	37°0	45°3	0°9	0°9	218	218	93	89	NW	2	SW	1	10	3	020	☉ a.	
Mean	29°848	29°854	44°9	44°0	40°9	49°8	2°2	2°1	252	250	84°0	84°3	3°5	3°1	6°4	5°7	3°160			030	Fine and bright. ☉ showers later.

CRONKBOURNE (DOUGLAS), ISLE OF MAN.—OCTOBER 1887.

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

1	30°08	30°14	55°8	50°0	46°2	59°8	4°5	1°0	326	73	93	NE	2	NNW	2	2	6	—	Cloudy.	
2	19	25	57°0	48°2	47°5	59°8	5°0	1°4	327	302	70	N	5	N	1	7	3	—	Cloudy. \searrow p.	
3	28	26	56°2	52°2	47°2	57°8	4°4	3°5	332	301	73	NNE	2	NW	2	10	4	—	Dull day.	
4	24	25	56°1	43°0	43°0	60°0	3°9	0°6	344	264	76	NNW	1	N	1	7	4	—	\searrow \searrow a. Fine day. \searrow p.	
5	22	30°14	51°3	50°8	41°3	53°8	1°5	1°6	339	330	90	N	1	Calm	0	10	10	—	Overcast.	
6	30°05	29°07	52°2	50°0	49°2	54°8	1°9	1°6	340	319	87	WNW	1	Calm	0	10	10	—	Overcast all day.	
7	29°09	29	53°0	50°3	48°2	57°0	1°7	0°6	355	349	88	WNW	3	WNW	2	7	9	0°79	Cloudy.	
8	25	22	46°1	46°0	43°2	50°9	0°7	2°1	296	263	95	E	3	ENE	4	10	8	1°10	\searrow 2 sa. Overcast, with \searrow .	
9	05	53	45°0	43°8	41°5	48°8	2°8	1°8	237	246	79	NE	4-5	NNE	5	8	10	3°92	Dull day.	
10	52	61	47°9	33°8	33°8	50°0	4°1	0°8	240	178	73	NNW	5-6	NNW	2	2	2	1°82	Squally \searrow a. Fine till 1.30p., then \searrow .	
11	58	58	45°6	38°0	33°5	48°4	4°4	1°8	214	194	70	N	3-4	N	3-4	6	3	3°05	\searrow a. \searrow 2 \searrow showers from 2p. \searrow .	
12	51	61	41°7	43°0	33°7	47°8	2°5	2°4	243	226	81	N	1	N	5-6	1	10	0°51	\searrow \searrow a. Fine a. Dull p. Squally.	
13	81	90	47°2	44°0	40°0	50°3	4°9	2°8	218	228	68	N	5-6	NNW	5-6	4	3	0°63	Fine, with squally \searrow .	
14	29°68	29°03	48°3	36°0	36°0	50°0	1°9	3°0	292	158	87	NNW	6-7	NNE	4-5	4	0	0°02	Squally \searrow a. Dull day. \searrow p.	
15	30°08	30°19	49°8	30°4	30°4	51°7	5°8	0°4	228	159	64	N	1	N	1	0	0	—	Very fine. \searrow p.	
16	28	36	44°0	46°6	30°4	50°4	1°6	1°0	252	294	87	SW	2	NNW	2	10	3	0°04	Dull day.	
17	45	45	52°0	49°0	44°6	52°0	2°2	2°9	330	278	85	NW	3	W	2	8	10	—	Dull day.	
18	40	35	49°3	49°0	45°2	50°2	3°0	2°4	279	289	80	W	3-4	W	4	10	10	—	Dull day.	
19	35	12	50°2	52°8	47°8	54°3	3°2	2°6	284	239	79	W	3	W	6-7	9	7	—	Dull day. Squally \searrow p.	
20	20	27	51°8	48°0	44°5	52°9	3°0	2°2	308	281	80	NW	4	N	2-3	8	3	—	Dull day.	
21	35	39	50°2	35°1	35°1	53°9	3°6	0°1	276	203	77	N	1	NNW	1-2	2	4	—	Very fine. \searrow p.	
22	30°33	30°17	50°0	50°2	33°6	50°4	2°0	3°0	309	289	86	W	4	WSW	4	10	10	0°01	Overcast.	
23	29°09	29°84	51°0	48°0	47°2	53°8	2°8	2°5	304	274	81	W	5	NW	6-7	10	7	1°05	Dull day. Squally \searrow .	
24	30°07	30°36	43°2	34°7	34°7	48°0	4°8	4°4	185	124	66	NNW	6	NNE	2-3	2	2	—	Squally a. \searrow 11.40a. Very fine.	
25	47	30°39	41°0	32°2	29°4	47°7	6°0	1°2	149	155	58	NE	3	N	1	3	9	—	Very fine. \searrow p.	
26	30°14	29°06	47°6	50°0	32°2	50°6	4°8	2°2	224	304	68	SE	6-7	SW	7-8	10	10	0°58	Overcast. Squally \searrow . \searrow 2 n.	
27	29°03	45	52°4	52°0	50°0	53°5	0°4	1°0	382	361	97	SW	5-6	WNW	4	10	8	3°03	Squally \searrow 2 a. Squally, with \searrow .	
28	46	38	50°2	49°8	47°2	53°0	3°1	4°0	286	263	80	W	5-6	WSW	3-4	3	6	2°51	Squally a. Fine day. \searrow at night.	
29	33	20	47°4	40°4	40°4	50°4	3°4	0°6	249	238	77	WSW	5-6	NNE	1	5	10	1°28	Squally \searrow a. Fine day. \searrow sp.	
30	10	11	45°8	44°6	35°5	48°3	2°8	2°9	246	231	80	W	5	W	6-7	2	8	0°56	Fine day. Squally \searrow .	
31	29°20	29°24	44°5	50°0	41°2	50°0	2°2	3°3	245	280	83	78	WNW	6	S	5-6	10	10	1°75	Squally \searrow . \searrow 2 \searrow (force 10) at night.
Mean	29°941	29°928	49°2	44°9	40°4	52°3	3°2	2°0	278	260	78°6	85°1	3°7	3°2	6°5	6°4	2°766			

STONYHURST.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
	in.	ins.							in.	ins.	%	%					ins.		
1	29° 81	29° 00	50° 2	45° 7	45° 0	54° 9	3° 1	1° 6	286	270	80	89	N	1	Calm	0	10	7	ins.
2	29° 94	30° 00	48° 8	50° 2	43° 9	56° 9	1° 8	2° 8	300	293	87	81	Calm	0	Calm	0	10	10	—
3	30° 04	02	51° 0	51° 6	48° 5	56° 5	2° 2	3° 0	318	306	85	80	Calm	0	Calm	0	10	10	Overcast and gloomy.
4	30° 02	30° 00	48° 3	45° 7	40° 9	56° 3	2° 4	1° 5	281	273	83	90	N	1	Calm	0	0	0	Cloudless day.
5	29° 07	29° 08	47° 9	50° 9	41° 2	52° 4	1° 7	4° 5	291	264	88	71	Calm	0	Calm	0	10	10	Overcast and gloomy.
6	80	72	51° 1	50° 9	49° 1	53° 4	3° 7	2° 8	284	303	75	82	Calm	0	WNW	1	10	10	Overcast and gloomy.
7	64	54	52° 2	49° 7	49° 1	56° 6	1° 6	1° 0	348	331	89	93	WNW	1	WSW	1	10	9	300
8	53	49	41° 5	40° 9	39° 2	49° 7	1° 1	1° 7	239	220	91	87	NE	1	ENE	1	10	10	485
9	37	31	42° 1	41° 1	40° 0	43° 9	1° 9	1° 8	228	220	85	85	ENE	1	NNE	1	10	10	150
10	18	33	43° 8	39° 8	39° 8	45° 9	3° 8	3° 3	207	183	72	75	NNW	2	NW	1	0	0	023
11	32	29	39° 1	37° 8	32° 4	44° 1	4° 1	3° 7	163	161	69	70	W	1	NNW	1	5	10	—
12	24	30	37° 0	40° 2	28° 9	43° 1	4° 7	2° 4	139	201	63	81	Calm	0	NW	1	0	10	—
13	46	62	43° 2	42° 0	40° 2	48° 0	4° 4	5° 2	192	171	69	65	N	5	NW	2	8	0	—
14	39	63	46° 9	37° 5	36° 0	47° 9	2° 8	5° 0	256	139	81	62	NW	6	NNW	3	10	0	020
15	20° 80	20° 05	40° 2	39° 7	33° 8	48° 0	4° 3	3° 5	169	179	67	72	N	2	Calm	0	4	0	—
16	30° 03	30° 12	35° 0	41° 4	29° 8	46° 1	1° 1	1° 4	183	231	89	89	Calm	0	Calm	0	10	0	—
17	20	20	41° 0	47° 7	33° 9	52° 7	1° 2	3° 6	231	248	90	76	Calm	0	W	1	6	10	—
18	16	30° 11	46° 9	47° 0	44° 6	50° 2	4° 4	3° 0	235	253	71	79	W	1	W	1	9	10	—
19	30° 02	29° 90	46° 9	48° 9	45° 9	51° 7	2° 0	1° 7	274	304	86	88	SW	1	WSW	2	10	10	—
20	29° 06	30° 01	48° 8	42° 9	41° 7	51° 8	4° 8	3° 0	237	214	68	78	NW	1	NNW	1	8	0	—
21	30° 12	30° 18	40° 0	37° 0	31° 9	48° 0	2° 9	3° 1	191	163	77	74	Calm	0	NE	1	0	0	—
22	30° 13	29° 08	38° 1	45° 6	30° 9	47° 8	2° 0	2° 3	191	255	83	83	Calm	0	W	1	8	10	—
23	29° 77	29° 57	46° 9	45° 8	44° 7	50° 8	2° 0	1° 4	274	277	86	90	W	1	W	1	10	5	070
24	29° 75	30° 03	36° 2	31° 9	31° 7	46° 1	4° 9	0° 5	131	169	60	94	N	3	NNW	2	0	0	—
25	30° 20	30° 15	33° 9	31° 1	29° 9	42° 7	2° 0	2° 0	155	128	80	72	Calm	0	Calm	0	0	0	—
26	29° 08	29° 74	37° 9	44° 2	28° 3	45° 3	3° 2	3° 6	170	214	75	74	W	1	SSW	4	10	10	138
27	51	27	45° 0	48° 2	42° 8	48° 4	1° 4	0° 8	266	317	89	95	SSW	3	SSW	1	10	10	120
28	24	24	49° 1	44° 2	43° 6	53° 0	1° 1	2° 1	321	244	92	84	WSW	3	W	1	8	6	090
29	28° 14	29° 04	46° 0	42° 2	41° 3	49° 3	2° 7	2° 1	250	225	81	85	WSW	4	WSW	1	10	10	085
30	25° 77	28° 93	41° 2	41° 5	39° 9	47° 4	1° 0	2° 3	237	215	83	83	WNW	1	SW	3	10	10	520
31	28° 69	29° 14	41° 0	40° 0	38° 2	45° 3	1° 0	1° 8	235	211	92	86	WSW	1	WSW	1	10	10	110
Mean	29° 696	29° 693	43° 8	43° 3	38° 9	49° 5	2° 6	2° 5	235	232	80° 5	81° 1	1° 3		1° 1		7° 6	6° 4	2° 110

CHURCHSTOKE.—OCTOBER 1887.

Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.
Long. 3° 5' W. Lat. 52° 31' N.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.		Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	48.1	47.9	42.1	53.3	2.2	1.2	in.	in.	90	90	NW	1	NW	1	6	10	ins.	—	Fine and bright.
2	77	81	48.3	49.1	40.9	55.9	1.4	2.0	304	298	92	86	NW	1	NW	1	10	10	—	—	Dull and cool.
3	83	83	49.9	49.1	45.1	53.5	1.9	2.4	309	289	87	83	NW	1	NW	1	10	10	—	—	Dull and cool.
4	82	82	50.9	38.8	38.0	58.5	2.1	0.1	318	234	85	99	NW	1	W	1	0	0	—	—	Dull and cool a. Bright p.
5	78	69	44.8	47.9	34.1	51.3	0.7	0.6	280	318	95	96	N	1	W	1	10	10	—	—	Dull and gloomy, with showers (mist)
6	60	56	49.4	48.4	40.2	51.9	2.5	0.9	290	317	83	94	W	1	W	1	10	10	—	—	Dull day.
7	50	40	49.7	46.0	45.0	53.4	1.3	0.0	333	289	91	94	WSW	1	WSW	1	10	10	0.30	—	Dull and cold.
8	32	29.23	50.0	47.3	45.2	53.5	2.0	1.6	309	286	86	89	SW	2	SW	1	10	10	1.80	—	Raw, with early a. Cold showers. Snow
9	14	28.99	41.0	40.6	39.8	48.9	0.1	0.5	255	242	99	96	NE	1	NE	1	10	10	4.40	—	Bright and breezy. * in past n. Bright, with cold wind
10	00	29.15	43.6	35.4	34.5	45.7	2.5	0.5	230	196	81	95	NW	2	SW	1	10	2	2.20	—	Dull and cold. [showers (mist)]
11	16	13	40.0	33.9	32.2	48.0	1.7	1.0	213	174	86	89	NW	2	WSW	2	8	2	1.78	—	Dull, with showers. * in past n. Bright, with cold wind
12	03	14	34.7	34.9	27.1	42.3	2.0	2.0	162	165	80	80	W	1	W	2	9	10	0.00	—	Dull and cold. [showers (mist)]
13	29	43	40.8	40.0	33.6	45.6	1.9	1.9	215	208	85	85	NNW	2	NW	1	10	8	—	—	Dull, with showers. * in past n. Bright, with cold wind
14	36	44	40.6	32.9	31.0	48.5	2.7	2.0	256	146	81	78	W	2	W	2	10	0	0.10	—	Dull and cold. [showers (mist)]
15	61	75	43.1	33.9	29.0	49.0	3.3	1.0	209	174	76	89	NW	2	W	1	6	2	—	—	Dull, with showers. * in past n. Bright, with cold wind
16	29.86	29.94	37.1	42.8	26.8	46.1	1.4	2.7	193	219	88	80	N	1	NW	1	8	6	—	—	Dull and gloomy.
17	30.03	30.03	46.8	41.2	34.5	58.1	2.7	0.5	257	248	81	96	W	1	W	1	2	0	—	—	Fine and bright.
18	30.00	29.97	47.9	43.0	33.0	48.5	4.0	2.1	241	232	73	83	NW	2	NW	1	9	10	—	—	Bright and sharp.
19	29.86	77	47.9	48.3	41.0	55.0	3.0	2.8	262	271	79	81	WNW	1	NW	2	10	5	—	—	Fine and bright.
20	80	85	50.7	41.4	37.1	52.1	1.9	1.1	321	237	87	91	W	2	SW	1	10	10	0.05	—	Dull day.
21	90	97	46.8	34.9	33.0	50.1	3.4	1.0	242	183	76	90	NW	1	W	1	10	0	—	—	Fine, bright, and warm.
22	96	83	38.2	46.0	29.2	49.9	1.9	2.6	193	251	84	82	NE	1	E	2	4	10	—	—	Dull and gloomy.
23	64	43	46.6	49.4	43.6	53.1	3.7	1.2	235	322	74	91	SE	3	SW	3	10	8	1.30	—	Cloudy and cold. showers p.
24	29.61	85	39.7	32.0	32.0	52.2	4.3	4.0	166	112	67	60	NW	2	NW	1	8	0	—	—	Bright and cold.
25	30.00	98	35.7	27.0	25.9	44.6	4.3	1.0	134	115	64	79	NW	2	NW	1	8	2	—	—	Bright and cold.
26	29.84	63	40.8	44.8	23.5	50.3	3.9	3.7	181	218	70	74	SSE	2	WSW	3	5	10	0.78	—	Warm, with rough
27	33	09	47.3	52.0	44.0	52.2	1.5	2.0	289	335	90	86	SW	5	SW	6	10	10	—	—	Bright and warm.
28	13	29.08	52.9	43.8	42.1	55.9	3.9	1.4	209	254	75	89	NW	2	NW	1	6	5	0.93	—	Bright and warm.
29	29.03	28.79	47.3	42.8	41.8	53.6	3.5	1.9	245	234	76	85	NW	4	SE	1	5	10	4.72	—	Fresh and breezy. 2 n.
30	28.78	85	46.3	41.1	37.8	50.5	3.4	3.2	237	195	76	76	W	3	WSW	3	5	8	1.09	—	Fresh and breezy. 2 n.
31	28.88	28.98	43.6	41.8	39.9	48.6	2.5	0.9	229	245	81	93	W	3	SW	2	10	2	2.83	—	showers.
Mean	29.532	29.519	45.0	41.9	36.3	51.0	2.5	1.6	248	236	81.6	86.5	1.8	1.5	8.0	6.5	2.248				

CARMARTHEN.—OCTOBER 1887.

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

1	29°'9	30°'6	56°'1	49°'9	43°'7	60°'5	5°'5	1°'3	*304	*325	68	91	Calm	o	N	1	1	8	—	Fine day.
2	30°'14	*18	55°'0	51°'7	45°'7	59°'8	5°'4	2°'1	*339	*320	79	86	N	1	N	1	5	8	—	Fine day.
3	"19	"19	53°'7	51°'7	49°'6	57°'5	2°'1	2°'7	*355	*315	86	82	Calm	o	N	1	10	10	—	
4	"24	"18	52°'9	43°'6	43°'4	57°'3	2°'1	0°'9	*344	*263	86	93	Calm	o	Calm	o	10	0	—	Fine day.
5	30°'16	30°'7	45°'8	50°'7	34°'2	54°'8	1°'9	3°'1	*265	*293	86	80	Calm	o	Calm	o	10	10	—	Dull day.
6	29°'99	29°'91	51°'0	50°'3	49°'3	55°'1	1°'8	1°'5	*328	*325	87	90	N	1	Calm	o	10	10	—	Dull day.
7	"87	"76	50°'9	48°'0	48°'0	55°'4	1°'1	0°'5	*344	*322	93	97	Calm	o	Calm	o	10	10	—	Dull day.
8	"69	"58	53°'4	48°'8	47°'3	60°'2	2°'8	0°'2	*333	*340	82	98	W	1	W	1	10	10	'040	Fine till 5p., then ☉ showers.
9	"46	"37	48°'1	41°'4	40°'8	53°'2	1°'9	0°'9	*289	*241	86	93	N	1	N	2	4	0	'040	
10	"40	"56	44°'8	38°'9	38°'4	51°'9	1°'9	1°'0	*254	*217	85	92	N	4	Calm	o	10	0	'430	☉ showers. ▲ <
11	"58	"54	37°'1	37°'9	34°'4	49°'4	0°'3	1°'3	*215	*202	97	89	Calm	o	Calm	o	10	0	'400	☉ showers. ▲
12	"43	"54	35°'4	32°'1	31°'9	42°'2	0°'6	0°'7	*194	*166	94	91	Calm	o	Calm	o	10	0	'090	☉ showers. ▲
13	"69	"86	47°'8	39°'9	29°'9	51°'1	4°'1	1°'4	*239	*218	72	89	N	3	Calm	o	4	0	'010	Fine, but with cold wind.
14	29°'74	29°'83	47°'0	38°'9	35°'9	51°'3	1°'4	2°'7	*289	*186	92	79	NW	1	Calm	o	10	0	'050	Overcast, with ☉ a.
15	30°'02	30°'10	49°'7	40°'9	31°'9	52°'3	6°'0	2°'2	*223	*212	63	83	NE	1	Calm	o	0	0	—	Fine, but cold.
16	"27	"33	45°'1	45°'3	38°'0	52°'2	4°'0	2°'6	*216	*244	73	81	Calm	o	Calm	o	0	10	—	Overcast p.
17	"42	"43	48°'5	39°'9	35°'4	61°'7	3°'3	0°'4	*263	*238	77	97	N	1	Calm	o	6	0	—	Fine day.
18	"42	"33	37°'4	45°'8	29°'3	53°'4	0°'6	1°'6	*212	*271	94	88	Calm	o	Calm	o	9	10	—	
19	"28	"19	48°'2	48°'6	41°'2	54°'7	1°'7	1°'7	*295	*299	89	88	SW	1	Calm	o	8	10	—	
20	"19	"23	52°'5	44°'4	35°'8	58°'8	2°'6	1°'6	*327	*260	82	88	Calm	o	Calm	o	10	1	—	
21	"30	"32	45°'8	38°'4	38°'3	56°'3	1°'8	0°'7	*267	*218	87	94	Calm	o	N	2	10	0	—	Very fine.
22	"34	30°'19	39°'7	49°'0	32°'5	49°'7	1°'5	3°'1	*214	*273	88	78	Calm	o	SW	3	10	9	—	Dull day.
23	"04	29°'86	48°'8	48°'8	45°'6	57°'3	2°'1	0°'5	*293	*333	85	96	Calm	o	W	2	9	3	'020	Fine day.
24	"01	30°'24	46°'8	39°'7	38°'3	52°'4	4°'4	3°'2	*190	*183	59	75	N	4	N	2	2	10	'040	Frequent ☉ showers. ☾ 4p.
25	"42	"36	43°'7	29°'4	27°'5	46°'1	5°'7	0°'7	*176	*143	61	89	E	1	Calm	o	1	0	—	Very fine.
26	30°'20	30°'01	36°'1	48°'8	24°'5	50°'4	3°'6	3°'1	*148	*271	70	78	S	1	S	4	9	10	'250	Dull day.
27	29°'75	29°'51	49°'4	52°'6	46°'0	53°'0	0°'2	0°'0	*346	*391	98	100	S	5	SW	3	10	10	'970	Overcast, with ☉ all day.
28	"53	"44	54°'1	48°'8	45°'7	59°'0	2°'0	1°'4	*362	*309	87	90	W	1	SW	3	6	7	'130	Fair.
29	"45	"18	52°'7	45°'8	41°'3	54°'1	5°'6	1°'6	*262	*271	67	88	W	2	E	1	8	10	'770	☉ showers.
30	"20	"25	49°'2	40°'4	39°'0	52°'8	3°'7	1°'3	*262	*224	75	90	W	1	W	1	3	6	'120	Frequent ☉ showers.
31	29°'31	29°'22	44°'8	49°'5	38°'0	51°'2	2°'1	2°'8	*250	*285	84	81	W	1	S	7	5	6	'560	▲ in past n. Squally p.
Mean	29°'26	29°'87	47°'5	44°'5	38°'7	54°'0	2°'7	1°'6	*271	*263	81°'6	88°'2		1°'0	1°'1	7°'1	5°'4	3°'920		

MARGATE.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	53°	52°	50°	57°	3°	1°	316	353	76	89	N	3	E	2	8	6	ins. 380	☉ ga. Fine 2p-4p.
2	30°18	28	53°	54°	50°	55°	2°	3°	346	336	85	80	N	3	NE	2	10	10	—	Dull day.
3	27	28	53°	54°	50°	58°	2°	3°	342	318	84	76	N	2	E	2	10	10	—	Dull and cold.
4	26	24	54°	54°	52°	55°	3°	2°	333	373	79	87	E	3	E	3	10	10	—	Dull and cold.
5	21	12	53°	51°	51°	57°	2°	1°	344	345	84	90	N	2	N	2	10	10	0.020	Sunny. ☉ at night.
6	30°05	30°00	52°	57°	51°	55°	4°	2°	294	322	74	81	N	2	Calm	0	10	10	—	Finer.
7	29°05	29°87	50°	52°	43°	55°	2°	2°	296	342	82	85	NNE	1	NE	1	10	10	—	Dull day.
8	28	23	52°	51°	49°	60°	2°	2°	335	313	83	83	W	1	SW	1	10	10	0.010	Bright, and sunny.
9	26	27	51°	50°	48°	57°	2°	1°	312	339	81	93	W	1	Calm	0	10	10	0.120	Dull day.
10	27	25	48°	45°	45°	53°	1°	3°	302	233	90	78	W	2	NW	4	10	10	0.060	Stormy. ☉ in afternoon.
11	27	26	42°	41°	37°	47°	3°	1°	302	205	100	77	W	4	W	3	1	0	0.010	☉ a. Bright, but cold.
12	26	29	38°	34°	32°	46°	1°	2°	209	145	91	73	W	1	SW	1	10	0	—	Sunny from noon. ☉ 0° (sleet).
13	26	27	34°	40°	30°	47°	2°	2°	152	248	77	80	W	1	E	3	0	0	0.060	☉ 2 a.
14	29	29	41°	41°	39°	46°	2°	2°	212	207	81	81	W	3	W	5	10	8	0.100	☉ 2 a.
15	29°85	30°08	42°	47°	39°	49°	2°	4°	231	230	84	72	N	4	SE	5	9	0	0.200	☉ 2 nearly all day.
16	30°29	36	45°	47°	35°	51°	1°	4°	256	233	86	73	N	2	NW	2	4	10	—	Bright and sunny.
17	44	49	46°	43°	42°	53°	1°	0°	271	272	85	97	NW	2	E	1	9	0	—	Fine and bright. ☉ 2 p.
18	48	43	45°	47°	39°	49°	2°	3°	261	249	86	77	NW	2	Calm	0	10	0	—	Fine and bright.
19	38	33	40°	40°	38°	49°	2°	1°	256	216	83	88	NW	1	NW	1	10	0	—	Fine day.
20	27	30	47°	49°	37°	51°	2°	3°	267	277	81	79	SW	1	Calm	0	10	10	—	Fine day.
21	35	44	44°	45°	35°	51°	1°	2°	254	240	86	80	NW	2	NE	2	8	0	—	☉ a. Very fine day. ☉.
22	50	30°41	44°	40°	35°	52°	1°	2°	261	217	90	85	N	1	SE	1	3	0	—	☉ a. Very fine day.
23	30°22	29°96	45°	44°	36°	51°	3°	1°	234	248	79	86	SE	1	SW	3	9	8	0.130	☉ 2 a. Very fine day.
24	29°53	30°14	40°	39°	38°	47°	2°	4°	208	160	82	66	NW	4	WNW	5	10	10	—	☉ 2.
25	30°30	44	39°	42°	36°	44°	2°	3°	201	198	84	72	NW	4	NW	1	1	1	—	☉ a. Fine, but cold.
26	44	30°32	38°	38°	31°	50°	1°	1°	216	199	92	86	NW	1	SW	1	5	2	—	Bright and sunny. ☉ 9p.
27	30°12	29°86	43°	44°	36°	47°	3°	4°	213	205	74	71	S	3	W	3	8	10	0.420	Cold and bright.
28	29°66	68	48°	46°	42°	56°	0°	3°	333	248	99	80	SSW	3	S	1	10	1	0.010	☉ a. Fine p.
29	67	44	50°	47°	45°	56°	2°	1°	307	305	85	95	SW	3	W	1	3	10	0.480	Pretty cir. a. ☉ p.
30	40	48	42°	43°	42°	52°	1°	2°	244	230	91	81	WSW	6	SW	2	1	2	—	☉ a. ☉ 9p.
31	29°44	29°65	44°	39°	38°	49°	2°	1°	239	214	83	89	SSW	3	SW	2	10	0	—	Fine and warm a. Cold p. ☉ 9p.
Mean	29°979	29°994	46°3	46°1	41°4	52°2	2°3	2°6	266	238	83°7	81°5		2°3	1°9	8°0	5°1	2°000		

SOUTHAMPTON.—OCTOBER 1887.

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

1	30°03	30°14	56°7	47°9	47°1	60°7	4°0	1°1	349	306	75	93	NE	3°5	ENE	0°5	2	0	—	Beautiful day throughout. $\Delta^2 n$.
2	"22	"26	51°3	49°0	43°7	59°8	2°3	1°7	319	305	84	88	NE	1°5	NW	1	7	8	—	Beautiful a. Dull p. $\Delta^2 a$ and p.
3	"33	"30	52°3	51°6	48°6	57°6	3°5	3°9	302	286	77	75	N	2	NE	1°5	10	10	—	Dull day.
4	"29	"29	51°8	52°1	48°5	57°8	4°1	2°6	284	322	74	82	NE	1	NE	0°5	10	10	—	Dull day. $\Delta^0 gp$.
5	"26	"18	51°1	50°6	49°4	55°0	2°6	2°7	310	301	82	81	NE	0°5	NE	0°2	10	10	—	$\Delta^0 a$. Overcast all day.
6	"10	30°05	50°9	47°1	46°2	57°4	2°3	1°3	318	292	86	91	N	2	Calm	0	10	10	—	Fine and pleasant. $\Delta^0 gp$.
7	30°00	29°52	49°5	51°1	45°0	57°0	2°5	2°9	292	303	83	80	NW	1	Calm	0	10	10	—	Fine and dry.
8	"29	"76	55°6	51°8	44°9	64°7	3°9	3°2	337	304	76	79	WNW	1°5	SW	1	2	10	—	Δa . Beautifully fine and pleasant.
9	"60	"40	50°0	49°5	47°9	55°8	1°6	1°6	319	314	89	89	NE	1	NE	2	10	10	—	Δa . Dull day.
10	"40	"61	45°7	44°9	44°0	50°5	1°8	1°0	267	275	87	93	NW	3	NW	3	10	10	—	$\Delta^0 a$. Fine, but with cold wind p.
11	"68	"63	45°5	36°3	32°9	54°4	3°4	1°1	231	194	76	91	NW	2	NW	1°5	4	0	—	Beautiful day throughout. $\Delta \angle n$.
12	"61	"60	40°4	40°1	30°0	51°7	2°5	2°2	201	204	81	82	NW	1	NE	2°5	3	10	—	— early a. Fine and pleasant a.
13	"71	"89	39°1	42°0	38°7	48°1	1°4	2°1	211	232	89	85	NNW	2	NNW	4	10	0	—	Fine, but with cold wind. [Overcast p.]
14	29°52	29°57	44°2	38°2	36°2	52°7	2°1	3°0	244	174	84	76	NW	2	NW	4	10	0	—	Dull a.
15	30°04	30°17	44°9	42°9	33°3	52°0	4°8	2°4	200	226	67	83	NNW	4°5	NNW	3°5	0	0	—	Beautiful day, but with cold wind.
16	"38	"41	44°0	43°7	33°3	55°2	2°7	3°4	238	233	81	76	NNW	1	NW	1°5	0	10	—	— early a. Delightfully fine,
17	"51	"53	50°9	43°6	41°9	58°7	4°0	1°2	275	257	74	90	NNW	2°5	Calm	0	6	0	—	Delightfully fine and pleasant. $\Delta^2 n$.
18	"55	"47	43°9	47°9	33°6	58°2	1°1	2°2	263	280	91	85	NW	1°5	NW	2	1	10	—	$\Delta^0 a$. Beautiful day.
19	"44	"35	46°1	41°1	40°8	55°1	3°1	1°1	243	234	78	91	Calm	0	Calm	0	10	0	—	Beautiful day. $\Delta^2 n$.
20	"33	"32	48°0	51°4	39°4	58°0	1°7	1°8	292	333	88	88	W	1	NE	1°5	10	10	—	[out.]
21	"40	"45	45°7	39°9	36°0	57°0	2°8	1°4	245	218	80	89	NE	1	NE	1	0	0	—	Δa and p. Beautiful day through-
22	"51	"41	41°4	40°3	30°7	56°2	2°1	0°5	218	240	84	96	NE	1	NE	1°5	1	2	—	— early a. Beautiful day. $\Delta^2 a$ and
23	"23	"02	43°9	44°8	39°3	53°8	0°9	1°6	266	260	93	88	ESE	0°5	W	3	10	8	—	$\Delta^2 a$. Δn . [p. $\Delta^2 n$.]
24	"00	"29	45°7	35°2	34°6	48°7	5°3	3°5	199	146	64	70	NNW	5°5	NNW	5°5	1	0	—	Beautiful day, but with cold wind.
25	"47	"50	37°6	33°5	29°4	48°2	4°4	1°7	148	158	65	82	NNW	3°5	Calm	0	1	0	—	Beautiful day. — gp.
26	"46	30°27	34°4	47°3	25°2	51°1	2°5	4°1	151	234	76	72	ENE	1	S	4	1	10	—	$\Delta^2 a$. Day fine and pleasant.
27	30°07	29°50	49°5	48°5	45°5	50°8	5°0	0°7	240	324	68	95	SW	4	SW	4	10	10	—	☉ from 10a.
28	29°59	"70	53°0	45°9	45°7	60°6	0°9	0°9	377	288	94	94	NW	1°5	WSW	1	10	2	—	☉ from 10a.
29	"65	"37	51°9	48°8	42°6	57°7	2°0	0°5	334	333	87	96	SW	2	SE	2°5	7	10	—	☉ from 10a.
30	"37	"49	48°3	43°9	39°7	54°7	2°5	2°1	279	242	83	84	SW	3°5	SW	2°5	0	5	—	☉ from 10a.
31	29°47	29°54	39°9	41°2	36°5	50°2	1°5	1°4	216	229	88	89	SW	1°5	SW	1	2	1	—	☉ from 10a.
Mean	30°047	30°035	46°0	45°0	39°4	55°1	2°7	2°0	263	260	80°8	85°6	1°9	1°7	5°7	5°7	1°331			

BABBACOMBE.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	52.7	50.2	49.5	58.6	5.3	2.7	in.	in.	%	%	NE 4	NE 3	2	0	ins.	Squally a. ☐ ⁰ ☐☐☐☐ (mist) p.	
2	30.00	30.04	53.1	52.1	47.5	59.0	4.3	4.1	294	286	73	74	NE 2	NNE 2	6	6	—	☐ ⁰ a. Splendid rosy sunset. ☐ p.	
3	10	08	51.0	53.0	44.2	54.9	3.1	4.2	306	295	80	73	NNE 2	NE 2	10	10	—	Dull, with ☐☐☐☐ (mist). Gloomy p.	
4	05	03	51.1	51.8	50.5	55.7	3.0	4.1	299	283	80	74	NNE 2	NE 2	10	9	—	☐☐☐☐ (mist) a. Dull day.	
5	30.00	29.94	51.3	51.0	49.3	54.0	4.1	4.2	276	251	74	73	ENE 4	NE 3	10	10	—	☐☐☐☐ (mist). Gloomy p.	
6	29.86	29.81	50.4	50.6	49.5	54.7	3.9	4.6	271	259	75	70	NNE 2	NNE 2	10	10	—	Dull a. Gloomy p. ☐☐☐☐ (mist) 3p.—7p.	
7	77	70	50.3	49.9	48.1	55.2	2.4	2.9	304	287	83	81	Calm	0	WNW 2	10	10	—	Dull, with ☐☐☐☐ (mist). Gloomy p.
8	64	53	52.2	48.8	48.3	57.2	2.7	0.9	319	322	82	93	WSW 1	NW 1	10	10	0.30	☐☐☐☐ (mist) a. Dull day. Gloomy p.	
9	35	21	48.8	45.9	42.7	55.9	1.8	1.0	301	286	87	93	NNE 1	N 2	9	3	—	☐ n. and p. ☐ ⁰ ga. ☐☐☐☐ (mist) p.	
10	24	45	46.6	41.8	40.1	52.7	3.2	2.2	245	219	78	83	NNW 3	W 2	9	2	—	☐ 7.30p. ☐ p. ☐ 7p. Squally p.	
11	47	46	45.9	38.1	37.2	52.1	3.3	0.8	236	214	78	93	W 2	NNW 3	8	9	1.20	☐ 1p. and 9p. Pocky cloud 2p. ☐	
12	39	35	44.4	39.8	34.1	45.5	3.5	2.7	218	193	74	79	W 2	NNE 5	8	2	3.60	☐ 5p. and 7p. Squally ☐ (gale) 7p.	
13	53	71	44.6	42.7	34.8	50.0	2.8	2.9	234	214	79	79	N 3	N 4	8	0	—	Squally p. ☐ 9p. ☐ n.	
14	67	68	46.9	43.8	37.3	51.3	3.1	4.0	250	204	79	71	NW 4	NNE 4	9	8	—	☐ 2p. Gloomy 5p. ☐ 3p.—5p.	
15	29.86	29.96	46.0	44.3	35.2	53.6	4.6	3.8	214	213	69	73	NNW 3	NNE 3	0	0	—	☐ n. Fine day. Sky slightly green	
16	30.13	30.20	47.9	46.8	35.3	53.8	3.8	3.2	246	247	75	78	NE 1	NNE 3	0	10	—	☐ n. ☐☐☐☐ (mist) a. Fine day.	
17	28	30	52.0	45.4	43.5	58.4	5.1	1.5	264	269	69	80	NE 2	NW 2	1	0	—	Dull till 8a. Fine day. ☐☐☐☐ (mist) ☐	
18	30	24	53.9	45.7	40.1	56.9	4.1	2.7	308	246	74	81	N 2	N 2	1	0	—	☐ n. Fine day. ☐ p.	
19	19	11	43.9	42.0	33.5	56.5	1.0	0.9	264	256	92	93	Calm	0	W 2	7	0	—	☐ n. ☐☐☐☐ (mist) a. Fine day. ☐ ²
20	11	09	49.1	52.2	40.3	58.1	2.0	1.7	298	345	86	89	SW 1	NW 2	9	10	—	☐ n. ☐☐☐☐ (mist) all day. Dull p.	
21	16	18	48.5	48.9	45.3	54.9	3.5	2.9	258	276	76	80	NE 1	ENE 3	9	2	—	☐☐☐☐ (mist) p.	
22	30.21	30.13	49.8	48.0	47.5	51.8	3.1	3.1	312	262	87	78	SE 1	SE 1	10	8	—	Dull, with ☐☐☐☐ (mist) till 2p.	
23	29.07	29.83	48.9	45.7	44.3	50.5	2.8	1.5	278	272	81	89	NW 1	SW 2	10	4	0.50	☐☐☐☐ (mist) a. ☐ 10a.—3p. ☐ ² p.	
24	29.85	30.10	47.1	38.3	38.3	50.4	5.6	4.3	305	154	64	67	NNW 5	N 3	1	0	—	Squally a. Clear 10a.—4p.	
25	30.26	30.26	40.8	32.8	31.5	47.7	5.4	1.9	157	147	61	70	N 3	WNW 1	1	1	—	Very fine. ☐☐☐☐ (mist) p. ☐ ☐ 7p.	
26	30.17	29.99	39.0	46.6	27.3	50.9	1.4	4.3	210	325	89	71	Calm	0	SW 4	3	10	2.50	☐ till 10a. ☐☐☐☐ (mist) d. ☐ ☐ 4p.
27	29.77	29.51	46.7	50.2	45.9	50.3	0.5	0.1	360	361	96	99	SSW 5	SSW 5	10	10	—	Dull and gloomy, with ☐ all day.	
28	49	29.47	54.2	46.0	46.0	60.0	2.4	0.9	353	389	84	94	W 2	SW 2	4	2	0.40	☐☐☐☐ (mist) ☐ ² p. ☐ ² 11p. Sky	
29	42	28.90	51.1	50.9	46.0	54.1	2.8	0.3	304	365	81	98	WSW 2	SSE 4	3	10	1.250	☐ a. Squally. ☐ p. ☐☐☐☐ (green).	
30	18	29.25	48.9	45.0	39.5	53.7	3.3	2.7	267	239	78	80	W 5	WSW 4	8	9	0.90	Squally ☐☐☐☐ (gale) 2a.—3a. ☐ 6p.	
31	29.26	29.37	43.1	45.7	39.9	48.9	2.1	1.8	233	265	83	87	W 4	SSW 5	8	4	0.790	☉ showers. ☐ ☐ sp. Squally ☐☐☐☐ (gale) 11.30p. ☐ ² .	
Mean	29.822	29.803	48.4	46.3	41.7	54.0	3.1	2.5	269	266	78.9	82.0	2.3	2.7	6.5	5.5	3.310		

LONDONDERRY.—OCTOBER 1887.

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

1	30.16	30.29	52.7	52.0	47.5	54.2	2.3	1.8	336	340	84	87	N	2	Calm	0	10	10	0.10
2	37	39	51.2	52.7	48.5	55.5	3.3	2.6	318	329	84	83	N	2	Calm	0	10	10	—
3	41	40	52.7	51.7	49.3	56.0	2.8	2.5	324	319	81	83	NW	2	Calm	0	10	10	—
4	37	34	51.7	50.6	49.1	58.7	2.0	1.8	332	322	86	88	NW	2	W	1	10	10	—
5	31	22	50.2	49.7	40.9	52.4	2.3	2.9	305	286	84	81	SW	2	W	1	10	10	—
6	30.14	30.06	49.7	50.7	47.0	55.7	2.8	1.6	388	329	81	89	W	1	W	1	10	10	0.10
7	29.97	29.85	52.0	50.7	48.0	56.5	1.5	0.5	348	357	90	96	SW	2	W	1	10	10	0.300
8	91	89	44.6	40.7	40.0	54.5	1.2	1.8	267	216	91	85	NE	2	Calm	0	9	0	0.050
9	81	75	39.2	39.9	36.0	52.5	0.8	1.1	224	223	93	91	NE	2	NE	1	3	10	☐ Fine and clear. ☐ showers in evening.
10	74	78	44.2	39.7	36.9	49.9	2.3	0.8	240	228	82	93	NE	2	NE	2	4	4	☐ Fine during day. ☐ n.
11	76	77	44.7	37.5	36.3	45.1	6.3	0.8	174	209	58	93	NW	2	NW	2	10	0	☐ ☐ showers all day.
12	29.67	29.82	39.7	41.8	33.0	46.7	2.8	1.7	190	229	77	87	NE	2	NE	1	10	0	☐ ☐ showers all day.
13	30.02	30.08	43.7	44.7	40.0	52.7	1.8	1.8	245	255	85	86	NNE	2	N	2	10	10	☐ before ga. ☐ showers all day.
14	29.92	30.10	47.4	41.4	40.0	48.5	1.5	2.2	291	216	89	83	NW	2	N	1	10	2	☐ ☐ showers.
15	30.22	30.40	44.7	44.7	36.9	47.9	2.8	2.5	234	240	79	81	NNE	1	N	1	10	10	☐ ☐ showers.
16	30	49	44.0	45.7	41.0	52.7	0.4	2.8	279	245	97	80	W	2	NW	1	10	0	☐ ☐ showers.
17	53	52	48.0	45.7	44.0	51.3	1.2	2.3	304	255	92	84	NW	1	W	1	10	10	—
18	45	36	47.0	47.7	44.3	49.7	1.8	2.0	280	282	87	86	WSW	2	WNW	1	10	10	—
19	21	19	49.7	50.0	46.5	53.0	2.5	0.2	299	356	84	99	W	2	Calm	0	10	10	0.040
20	32	39	46.4	46.7	42.1	52.7	2.0	3.2	209	247	86	78	NW	2	NW	1	8	10	—
21	46	43	45.7	44.7	43.0	49.5	1.7	3.1	268	228	88	78	SW	1	S	1	10	10	—
22	35	20	45.2	45.7	38.5	53.5	1.8	1.5	260	272	87	89	SW	2	SW	2	8	10	0.070
23	02	01	50.4	42.4	42.0	54.0	0.6	1.5	351	239	96	88	W	2	NW	1	10	3	☐ ☐ showers all day.
24	30	53	42.0	39.2	36.0	44.5	4.1	4.3	188	161	71	68	N	2	NNW	2	6	9	—
25	56	30.38	39.7	35.2	34.3	44.8	2.3	1.6	199	174	81	85	S	2	SW	1	10	0	0.010
26	30.00	29.72	46.1	49.7	32.0	50.0	3.2	1.3	241	323	77	91	SSW	3	SW	2	10	10	☐ from noon.
27	29.61	29.46	53.7	51.0	49.0	54.0	1.3	1.2	376	343	91	92	SW	2	WSW	1	10	10	☐ ☐ showers all day.
28	43	36	45.1	42.2	42.0	51.3	1.7	1.2	261	243	87	90	SW	2	W	2	1	3	☐ ☐ showers during day.
29	30	23	43.4	39.7	38.0	48.3	1.0	0.8	259	228	92	93	WSW	2	SW	2	10	1	☐ ☐ showers all day. ☐ sp.
30	06	13	42.0	39.7	36.0	43.6	2.1	0.5	223	234	84	96	SW	3	W	2	8	10	☐ ☐ showers all day.
31	29.31	29.04	43.7	46.7	38.0	48.0	2.8	1.8	225	277	78	87	SW	5	SW	5	10	10	☐ Fair during day. ☐ from 6p.
Mean	30.034	30.014	46.5	45.2	41.4	51.2	2.2	1.8	271	265	84.6	86.8	2.0	1.3	8.9	7.2	3.330		

ARMAGH.—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	50°	50°	41°	56°	0.9	1.4	337	331	94	90	NE 0.5	N 0.5	10	10	ins.	
2	20	23	53.7	50.6	48.5	54.5	3.8	2.6	312	303	75	82	NNW 1	NNW 0.5	10	10	—	Overcast all day.
3	27	25	54.6	50.5	48.5	56.8	4.4	1.7	310	324	73	89	NNW 1	NNW 0.5	10	10	—	Overcast all day.
4	22	20	53.5	49.9	48.2	55.0	3.7	2.3	311	301	76	85	Calm	NNW 0.5	10	10	—	Overcast all day.
5	17	30.09	48.9	48.0	47.6	53.3	1.7	2.5	304	274	88	83	Calm	W 1	10	10	—	Overcast all day.
6	30.00	29.92	48.2	49.9	46.0	53.5	2.7	1.1	272	331	82	93	SW 1	SW 1	10	10	0.02	Overcast all day.
7	29.84	27.1	51.7	49.9	48.1	55.5	2.4	0.7	322	341	84	95	SW 1	WSW 1	10	10	1.15	Overcast all day.
8	74	71	42.6	40.1	38.2	50.5	0.8	1.5	256	217	95	88	NE 1	NE 1	10	2	—	
9	64	57	45.9	39.5	37.5	49.2	3.0	1.2	244	218	79	90	NE 0.5	NE 1	2	10	2.40	
10	55	63	47.4	34.8	30.0	48.5	3.4	0.3	249	196	77	97	NNE 1	NNW 0.5	6	4	1.00	— a.
11	61	62	41.0	33.9	32.1	44.5	2.0	0.5	215	189	84	97	NW 1	NW 1	7	3	2.22	* (sleet) showers during day.
12	51	65	41.0	37.8	30.9	46.5	3.0	0.9	197	210	77	93	NNW 1	NNW 1	4	3	0.18	— a.
13	85	93	48.2	41.5	32.1	49.6	5.2	1.7	223	227	66	87	N 1	NW 1	4	10	—	
14	29.76	29.94	48.0	38.5	38.2	49.5	2.4	0.5	276	223	83	96	NW 2	N 1	10	8	—	
15	30.08	30.16	42.0	41.3	35.3	45.5	1.4	0.6	237	247	89	96	N 0.5	Calm	0	10	—	
16	29	35	47.3	41.8	41.0	51.5	2.5	0.2	268	260	83	99	W 0.5	WNW 0.5	10	2	—	
17	40	40	50.0	44.5	41.2	54.2	4.4	3.5	257	219	72	74	W 0.5	WSW 1	10	10	0.04	
18	34	25	45.5	46.8	42.1	52.0	2.7	3.3	245	246	81	78	SW 2	SW 1	10	10	—	Overcast all day.
19	12	06	49.7	46.0	42.7	54.5	3.7	3.0	268	244	75	79	SW 2	SW 2	10	10	—	Overcast all day.
20	19	26	49.0	45.1	43.8	53.7	4.5	2.3	245	248	70	83	WSW 0.5	NW 0.5	10	10	—	Overcast all day.
21	32	30	48.6	41.8	41.2	49.5	4.9	2.3	233	219	68	83	Calm	E 1	10	9	—	
22	30.24	30.08	46.5	45.0	39.1	50.7	3.5	1.0	238	275	76	92	SSW 1	SSW 1	10	10	—	Overcast all day.
23	29.90	29.87	49.8	41.5	41.0	53.8	1.9	1.7	310	227	87	87	SW 1	NW 1	10	9	0.98	
24	30.14	30.38	38.0	34.8	32.0	44.0	3.4	1.2	167	178	72	89	NW 1	N 0.5	10	10	0.18	
25	30.43	30.25	38.9	35.0	32.9	45.7	2.5	2.0	189	164	81	80	N 1	SSW 1	10	10	—	
26	29.94	29.65	45.5	49.2	34.0	49.5	3.5	1.4	229	315	75	91	S 4	SSW 4	10	10	3.95	
27	46	37	54.7	50.6	48.2	57.9	1.1	1.6	397	327	93	89	S 2	SSW 2	10	10	0.27	
28	35	23	47.9	44.3	43.0	51.7	2.6	2.3	271	241	82	82	SW 2	SSW 4	2	10	0.60	
29	29.21	29.09	44.6	41.1	38.9	49.8	3.0	1.4	230	228	78	89	SW 3	SSW 1	2	10	—	
30	28.99	29.03	43.6	40.2	35.1	47.2	3.0	1.2	220	224	78	90	SSW 2	SW 2	0	10	0.75	
31	29.25	28.98	46.8	46.6	36.7	50.2	4.1	2.7	229	256	72	81	W 2	SSE 5	0	10	4.10	
Mean	29.905	29.880	47.2	43.6	39.9	51.1	3.0	1.6	260	252	79.5	88.0	1.2	1.3	8.0	8.7	1.594	

DUBLIN (PHENIX PARK).—OCTOBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
								Dep. of Wet.			Vapour Tension.	Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	49.7	51.2	41.2	57.8	0.9	2.1	in.	in.	80	80	Calm	0	Calm	0	6	10	ins.
2	25	28	52.6	51.5	48.6	55.2	3.4	2.6	334	333	94	80	Calm	0	Calm	0	9	8	—
3	31	31	52.6	51.1	49.9	56.4	3.7	2.2	302	320	76	84	NNW	1	Calm	0	9	8	—
4	27	26	52.4	50.7	48.7	55.0	3.5	2.6	304	305	77	83	Calm	0	Calm	0	10	9	—
5	23	16	51.5	49.1	47.6	52.8	3.8	3.9	287	258	75	73	Calm	0	Calm	0	10	10	—
6	30.07	30.00	49.9	39.9	39.4	52.8	4.6	0.9	252	227	70	93	Calm	0	Calm	0	10	10	—
7	29.82	29.81	50.5	50.7	39.4	50.4	2.2	1.5	312	331	85	89	W	1	WSW	1	8	8	—
8	74	72	48.1	44.5	44.5	50.7	1.0	2.0	311	249	93	85	NE	2	Calm	0	10	8	—
9	64	57	44.8	39.7	36.4	49.6	2.9	1.7	234	210	79	86	NNE	2	NNW	1	2	8	—
10	60	67	42.5	37.3	31.8	49.7	2.5	1.1	220	201	81	91	SW	2	W	1	1	0	—
11	67	68	40.5	33.8	30.3	45.1	2.5	1.0	202	174	80	89	NNW	2	W	2	1	0	—
12	53	66	36.7	38.3	31.9	45.5	1.1	1.5	196	201	90	87	NNW	3	NW	2	7	1	—
13	57	98	44.5	39.4	34.8	49.9	3.8	2.0	214	203	72	84	NNW	2	Calm	0	2	1	—
14	29.82	29.98	48.1	39.7	36.4	50.1	2.8	1.9	269	207	80	84	NW	4	NNW	1	1	0	—
15	30.12	30.20	41.4	43.0	31.5	46.7	1.9	2.2	222	230	86	83	WNW	2	Calm	0	8	10	—
16	32	39	44.1	43.3	41.6	48.8	3.1	1.3	223	252	76	90	Calm	0	Calm	0	10	7	—
17	47	47	48.3	45.1	42.5	50.6	3.0	2.1	268	252	79	84	W	1	W	1	8	4	—
18	44	37	45.3	44.7	38.4	48.0	3.4	1.7	229	257	75	87	W	1	Calm	0	10	10	—
19	24	16	51.1	51.7	43.6	57.1	3.8	4.1	282	283	75	74	SW	2	SW	2	4	8	—
20	25	31	50.7	46.2	43.1	53.3	2.8	3.3	300	240	81	77	WNW	1	Calm	0	9	7	—
21	36	37	48.7	45.6	43.7	51.1	4.0	2.3	234	255	68	83	NNW	1	Calm	0	9	10	—
22	33	30.19	48.0	49.6	43.1	51.1	3.0	4.6	263	249	79	70	Calm	0	Calm	0	10	10	—
23	02	29.92	49.8	48.4	45.3	54.7	3.5	1.6	274	300	77	89	W	2	NW	2	8	4	—
24	17	30.40	39.6	32.9	31.8	48.5	3.3	1.9	181	148	74	79	NW	2	WNW	1	2	1	—
25	49	30.38	36.5	27.8	26.8	46.6	2.2	0.8	175	127	81	84	SW	1	Calm	0	9	0	—
26	30.10	29.80	46.7	51.0	27.3	51.0	4.4	2.7	323	306	71	82	SSW	3	SSW	5	10	9	—
27	29.56	29.56	54.6	51.4	49.9	61.5	1.8	1.6	375	338	89	90	SW	3	WSW	2	8	10	—
28	47	38	49.6	44.9	41.8	55.0	3.5	1.7	271	259	77	88	WSW	2	Calm	0	2	7	—
29	34	19	46.5	39.7	38.4	51.4	3.8	1.0	232	224	74	92	WSW	3	Calm	0	1	10	—
30	13	13	43.5	39.5	36.2	48.1	3.2	2.0	216	204	76	84	WSW	4	WSW	5	2	4	—
31	29.32	29.15	41.1	49.3	37.0	49.8	1.8	4.1	220	256	85	72	W	3	SSW	5	2	10	—
Mean	29.972	29.953	46.8	44.2	39.4	52.0	3.0	2.1	256	249	79.1	84.0	1.6	7.0	6.7	6.5	1.120		

PARSONSTOWN (BIRR CASTLE).—OCTOBER 1887.

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

1	30.10	30.18	47.2	52.1	37.1	57.7	0.8	2.6	*305	*332	95	82	Calm	0	NW	1	10	10	—	☁ before 9a. ∞ a. Dull p.
2	26	29	52.1	51.0	48.1	55.0	2.3	2.6	*329	*309	84	82	NNW	2	NW	1	10	10	—	Dull day.
3	33	31	51.6	49.8	47.6	56.2	3.0	2.7	*306	*290	80	82	Calm	0	Calm	0	10	10	—	∞ 9a. and 9p. Dull all day.
4	28	25	51.2	49.7	46.2	54.8	2.3	2.5	*319	*295	84	83	Calm	0	Calm	0	10	10	—	Dull all day. ∞
5	22	30.14	50.2	48.4	46.7	53.2	3.3	2.5	*282	*280	78	83	Calm	0	Calm	0	10	10	—	Dull, with ∞ all day.
6	30.07	29.99	50.7	46.9	45.1	55.8	4.3	1.5	*266	*286	72	90	WNW	1	Calm	0	10	9	—	Cir. from N. 9a.
7	29.92	29.81	53.5	49.9	45.0	58.9	3.6	1.7	*314	*315	76	88	SW	1	Calm	0	10	10	—	
8	75	75	48.2	43.1	42.2	51.0	1.9	2.0	*290	*235	86	84	NNW	2	NE	2	10	10	—	
9	66	60	42.1	35.3	30.0	49.6	2.9	1.4	*210	*180	78	87	NNE	1	NNW	2	0	0	—	
10	65	71	42.9	34.9	30.1	50.4	2.9	1.1	*216	*181	79	90	NNW	2	NNW	1	0	0	—	☂ a. Δ showers 3p. < 8p.
11	72	73	41.9	33.8	30.0	45.4	2.7	0.9	*212	*176	81	90	NW	2	Calm	0	7	9	—	Gold ☉ showers a. < p.
12	57	29.71	40.1	36.2	32.2	48.0	3.1	1.1	*188	*193	75	90	N	3	NNW	1	0	0	—	Squally ☂ during day.
13	90	30.01	41.5	40.9	28.6	50.6	2.1	1.9	*219	*216	84	85	NW	2	Calm	0	5	5	—	☂ ² 9a. Sky covered with cirrus p.
14	29.90	29.90	47.0	40.2	35.8	52.8	2.8	1.5	*257	*218	80	89	NW	4	Calm	0	10	2	—	Squally ☂ all day. ☁ ⁰ (mist) 9p.
15	30.13	30	44.0	44.0	37.1	46.6	2.2	3.0	*240	*224	83	77	NNW	1	Calm	0	8	10	—	Calm and gloomy all day.
16	32	29	44.3	45.2	40.6	49.9	2.2	1.9	*243	*258	83	85	Calm	0	Calm	0	10	10	—	Calm and gloomy.
17	47	47	45.0	44.1	37.9	54.0	1.9	2.9	*255	*227	86	77	Calm	0	Calm	0	9	10	—	Clear 10a.—3p.
18	44	33	46.8	47.2	41.9	49.6	3.8	2.5	*235	*266	74	83	S	1	Calm	0	10	10	—	Calm and gloomy all day.
19	23	17	50.1	50.9	42.0	54.9	2.8	2.9	*292	*300	81	81	S	1.5	Calm	0	1	10	—	Cir. from S.W. 9a.
20	25	30	47.9	38.9	38.3	53.0	1.4	1.0	*299	*218	91	93	NNE	1	Calm	0	10	9	—	☁ 9a. Clear from 6p. ∞ 9p.
21	36	33	43.9	38.9	31.0	52.0	2.2	1.8	*240	*202	84	86	Calm	0	Calm	0	1	7	—	☁ ⁰ ☂ 9a. ∞ 9p.
22	29	30.18	48.1	47.1	36.4	49.8	3.9	2.2	*246	*272	73	84	Calm	0	SW	0.5	10	10	—	∞ a.
23	03	29.98	46.2	47.9	44.0	55.7	1.2	1.9	*285	*286	92	87	Calm	0	SW	3	10	10	—	☂ in past n.
24	15	30.43	40.6	32.9	32.0	48.1	2.8	1.5	*198	*156	78	83	NNW	2	NNW	1	0	3	—	☂ 9a. ☂ 7p.
25	50	30.33	32.1	37.1	23.2	46.1	2.2	1.4	*134	*194	73	88	Calm	0	Calm	0	9	10	—	☉ ² from 1.15p. Squally.
26	30.03	29.76	47.7	45.4	36.8	54.0	3.7	1.4	*246	*305	75	90	SSW	3	SSE	4	10	10	—	☉ ⁰ till 3.15p.
27	29.54	29	55.0	51.1	45.0	57.9	1.0	1.2	*403	*345	93	91	S	1	SSW	2	10	9	—	Sudden squally ☂ noon—1p.
28	49	35	48.8	45.1	44.3	54.0	2.9	1.5	*277	*265	80	88	WSW	2	Calm	0	8	10	—	☂ ⁰ 9p.
29	35	17	44.9	40.4	39.2	50.0	2.2	1.2	*249	*226	85	91	SSW	1	Calm	0	0	10	—	
30	13	18	43.0	40.0	35.4	50.0	1.6	1.2	*242	*222	87	90	SSW	2	SW	2.5	7	8	—	☂ ² showers all day.
31	29.37	29.00	44.2	49.3	36.3	50.2	2.8	3.5	*230	*269	79	75	NW	2	SSE	5	1	10	—	Bright and cold a. Squally
Mean	29.980	29.953	46.2	43.9	38.3	52.1	2.5	1.9	*259	*249	81.6	85.6	1.2	6.8	6.6	8.1	2.637			

SWANBISTER.—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.		Per-centage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	SE	7	SE	10	10	ins.
2	28.97	28.80	47.0	47.6	29.1	48.1	2.0	1.9	.275	.283	86	87	SE	7	SE	10	10	° showers.
3	29.00	.82	47.5	47.3	43.2	48.3	2.1	2.3	.278	.271	86	84	SE	7	SE	7	8	° showers.
4	28.50	.61	45.3	44.0	42.1	47.3	1.6	1.5	.265	.255	88	88	ESE	8	SSE	1	10	° showers.
5	28.67	28.93	44.0	45.3	40.9	45.3	1.1	0.6	.263	.288	91	96	SSW	3	E	3	9	° showers.
6	29.13	29.18	44.0	46.0	42.2	50.1	0.9	1.1	.267	.285	93	92	NNE	1	NNW	1	9	° showers.
7	29.49	29.82	47.0	47.3	43.4	48.4	1.1	1.1	.296	.299	92	92	NNE	3	NE	4	9	° showers.
8	30.05	30.16	43.4	44.6	42.4	47.3	3.0	2.6	.219	.237	77	80	NNE	6	NE	6	10	° showers.
9	.26	.31	46.0	43.6	42.8	47.1	2.8	1.6	.248	.248	80	87	NE	4	NE	3	7	° showers.
10	.30	.15	43.0	36.0	35.5	44.8	2.4	0.9	.226	.195	82	92	NE	1	NW	1	10	° showers.
11	.01	.04	43.4	42.8	35.5	44.1	1.4	2.3	.251	.227	89	83	ENE	3	ENE	1	10	° showers.
12	.10	.10	41.5	40.3	39.2	43.0	2.0	0.6	.221	.237	85	96	Calm	0	NNW	2	10	° showers.
13	.06	30.02	40.7	37.0	34.5	40.7	2.1	0.1	.211	.218	83	99	NW	2	NNW	2	10	° showers.
14	30.01	29.93	37.5	32.3	31.8	38.4	0.5	0.1	.214	.182	96	99	NNE	2	N	2	10	° showers.
15	29.88	30.11	33.2	32.8	29.8	36.2	1.4	1.8	.161	.149	85	80	N	3	N	3	7	° showers.
16	30.16	30.00	30.8	37.3	27.5	37.3	1.4	2.3	.138	.179	80	81	W	1	SSW	5	7	° showers.
17	29.72	29.72	47.9	49.2	36.5	49.2	0.9	1.4	.310	.314	94	91	WNW	6	SW	6	10	° showers.
18	.58	.42	45.7	44.8	43.3	49.2	1.6	2.0	.270	.251	89	85	S	3	SSW	3	9	° showers.
19	.21	.13	44.3	43.0	39.3	45.7	1.7	1.0	.253	.255	87	92	S	3	SSE	1	8	° showers.
20	.23	.42	40.8	40.0	36.4	43.0	1.7	1.0	.210	.226	87	92	NNE	1	NNW	1	10	° showers.
21	.49	.51	38.1	37.2	36.1	41.0	0.9	0.6	.211	.210	92	94	NNW	2	N	1	4	° showers.
22	29.57	29.78	42.5	44.0	36.3	44.0	1.6	1.3	.238	.219	87	90	NE	2	ESE	3	9	° showers.
23	30.07	30.20	41.5	37.0	34.0	44.6	4.0	3.1	.186	.103	72	74	ENE	3	NNE	1	4	° showers.
24	30.05	29.66	35.8	37.2	35.8	41.0	3.1	0.6	.154	.210	73	94	SSW	3	SSW	7	10	° showers.
25	29.26	.18	45.3	41.8	37.2	48.0	2.2	2.2	.252	.216	84	82	SSW	5	WSW	6	10	° showers.
26	29.08	29.25	40.8	37.2	36.2	42.7	2.4	1.2	.206	.198	81	89	W	3	SSW	1	7	° showers.
27	28.78	28.86	48.2	45.7	35.5	50.4	1.9	3.5	.290	.231	87	76	WSW	7	SW	7	10	° showers.
28	29.08	29.36	38.1	36.3	35.0	45.9	1.7	2.0	.196	.177	85	83	NNE	3	NW	3	10	° showers.
29	.58	.64	34.2	30.9	30.2	36.9	1.1	0.9	.176	.150	88	87	W	1	NNW	1	9	° showers.
30	.58	.47	35.0	35.3	29.1	38.0	2.2	1.0	.161	.187	78	91	N	1	NNW	1	8	° showers.
Mean	29.542	29.566	41.6	41.0	36.5	44.4	1.8	1.5	.228	.229	85.3	88.2	3.3	3.2	8.8	7.6	3.820	

BRAEMAR.—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	41.4	42.6	29.6	46.9	1.2	1.1	in.	235	in.	249	91	91	SE	2	SW	8	10	8	ins.	Stormy with ☉ ² .
2	27.82	27.65	41.4	42.6	29.6	46.9	0.6	0.4	251	254	96	97	E	0.5	SW	4	SW	4	10	9	8.10	Dull, with ☉ ² .
3	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
4	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
5	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
6	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
7	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
8	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
9	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
10	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
11	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
12	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
13	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
14	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
15	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
16	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
17	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
18	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
19	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
20	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
21	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
22	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
23	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
24	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
25	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
26	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
27	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
28	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
29	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
30	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .
Mean	27.81	27.68	42.8	41.6	39.6	42.8	0.6	0.4	251	254	96	97	E	0.5	SW	4	S	1	9	10	0.80	Dull, with ☉ ² .

LAUDALE.—NOVEMBER 1887.

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

1	28.83	29.71	45.7	47.0	42.2	47.8	2.2	2.5	238	264	85	83	E 6	S 1	10	5	300	Squally ² (mist). Bar.
2	29	74	46.0	47.8	44.1	47.8	2.5	2.8	255	265	85	80	S 4	W 1	10	10	670	(mist) all day. [38.52p.
3	28	56	47.0	42.0	41.8	47.9	1.8	1.9	280	227	87	86	S 3	SE 1	10	10	020	(mist) a. and p.
4	28.85	29.08	37.2	47.8	33.9	47.9	1.4	0.8	194	312	87	94	N 2	NW 2	10	10	160	a. Day cloudy.
5	29.19	20	46.0	38.5	37.1	48.2	1.4	0.5	257	223	83	96	NW 1	N 1	7	3	010	(mist) a. Day cloudy.
6	42	66	47.1	49.0	36.4	49.0	3.3	3.8	248	259	77	74	W 3	E 2	10	10	010	(mist) a. and p. Very dark gp.
7	29.92	29.98	49.0	47.3	44.4	49.3	3.8	2.5	259	267	74	83	E 5	E 4	10	9	010	(mist) p.
8	30.14	30.19	47.3	49.0	41.4	49.9	1.5	4.0	289	255	92	73	E 4	SSE 3	9	6	—	(mist) p.
9	23	16	45.9	36.9	35.5	49.2	3.9	3.7	226	153	74	70	E 3	NNE 1	5	0	—	Lunar 6a.
10	04	05	33.0	39.2	30.5	43.0	0.8	1.0	171	220	91	92	Caln 0	SE 2	6	10	010	Fine all day.
11	15	10	41.8	39.2	37.8	49.7	1.8	1.7	227	207	85	86	Caln 0	Caln 0	8	10	010	Dull and overcast all day.
12	18	30.14	42.0	39.8	38.0	43.1	2.1	1.8	223	209	84	86	Caln 0	Caln 0	10	10	010	Dull all day. gp.
13	30.06	29.98	38.0	38.0	34.9	42.2	0.7	3.0	214	173	94	75	Caln 0	NNE 1	7	9	—	Cloudy day.
14	29.85	30.14	37.9	35.0	29.6	40.0	0.5	2.6	217	154	96	75	E 2	NE 2	10	2	—	Clear all night.
15	30.29	30.24	38.0	36.7	28.7	36.9	1.0	2.4	122	173	80	79	Caln 0	ENE 1	1	5	300	at times.
16	30.07	29.97	47.8	45.0	35.7	48.8	1.8	2.0	288	285	87	86	W 7	SSW 3	10	10	470	all day. (mist).
17	29.78	58	44.0	45.6	44.0	48.5	1.1	1.6	263	269	91	89	SSW 6	Caln 0	10	10	240	(mist) and (sleet) p.
18	23	14	43.9	37.2	36.7	45.8	2.8	0.7	227	203	79	94	S 6	Caln 0	7	1	540	Squally a.
19	25	48	33.3	35.7	31.7	38.9	0.3	4.4	184	184	97	87	Caln 0	Caln 0	7	1	—	a.
20	37	51	33.6	42.0	31.5	42.8	0.4	2.5	185	216	95	82	Caln 0	SE 3	4	7	—	a. Mock sun nearly all day.
21	56	29.73	39.5	41.0	35.8	43.2	2.5	3.2	194	194	85	76	E 1	SE 1	3	2	—	Mock sun gp. p.
22	29.96	30.19	38.3	40.4	36.2	45.3	1.2	3.4	203	185	89	74	SE 1	E 3	4	0	—	a.
23	30.19	29.95	30.4	42.0	28.2	42.0	1.4	2.4	135	218	79	82	E 1	SSE 2	7	9	050	a. showers all day. ²
24	29.62	44	44.9	45.0	41.2	48.7	1.6	3.7	261	220	83	74	SW 6	SSW 2	10	5	510	all day. Large gp.
25	40	32	43.4	43.6	39.0	45.2	3.4	1.6	211	248	75	87	W 5	S 3	8	10	1080	and (sleet) in past n.
26	05	16	52.3	48.0	43.1	53.3	3.3	3.5	207	253	78	76	W 7	SSW 5	10	10	390	and (sleet).
27	11	30	37.4	38.2	36.4	48.0	0.5	1.9	213	193	95	84	W 1	WNW 1	10	10	250	and (sleet).
28	55	68	35.1	38.0	33.0	39.9	0.1	0.8	203	212	99	93	SE 1	E 1	10	10	430	a. and gp. p.
29	60	63	38.8	36.0	35.6	39.1	1.0	1.0	216	193	92	91	SW 1	Caln 0	8	8	280	² showers. (mist). Squally
30	29.63	29.70	39.4	36.6	32.7	53.0	0.6	1.4	229	332	95	91	Caln 0	W 2	10	10	380	p.
Mean	29.603	29.633	41.1	42.2	36.6	45.8	1.7	2.2	225	226	86.3	85.3	2.5	1.6	8.0	7.4	6.130	

DUNDEE.—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.					
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	43° 0'	44° 0'	30° 1'	46° 1'	1° 0'	1° 8'	in.	in.	256	85	SE	10	SE	6	ins.	☉ showers. ↗ (gale) till 6p.			
2	28° 88'	28° 78'	43° 0'	44° 0'	30° 1'	46° 1'	1° 3'	2° 3'	239	244	90	82	S	8	S	8	10	10	1° 180	Dull, with ☉ showers.	
3	28° 85'	28° 74'	44° 0'	44° 6'	43° 1'	45° 1'	2° 5'	0° 8'	234	245	81	94	S	1	SE	1	5	10	10	1° 050	☉ showers from 5p.
4	28° 66'	28° 91'	36° 4'	39° 4'	32° 9'	42° 4'	0° 7'	0° 7'	202	218	94	94	W	1	W	1	10	0	—	☉	
5	29° 04'	29° 09'	41° 8'	38° 4'	34° 1'	49° 0'	2° 4'	0° 6'	216	220	82	95	W	1	W	1	0	10	10	1° 090	Dull from 2.30p.
6	29° 21'	29° 53'	43° 0'	43° 9'	38° 2'	46° 7'	1° 4'	0° 8'	247	268	89	94	NE	6	NE	6	10	10	10	1° 420	☉ n. and during day. ↗ 2 (gale) till 8p.
7	29° 72'	29° 79'	45° 1'	45° 2'	43° 4'	46° 4'	0° 8'	0° 8'	270	283	90	94	NE	10	NE	10	10	10	10	1° 620	☉ ↗ (gale) n. and during day.
8	30° 01'	30° 09'	45° 3'	45° 0'	44° 1'	46° 3'	1° 3'	1° 5'	284	264	94	89	NE	10	E	8	10	10	10	1° 240	☉ ↗ (gale) n. and during day.
9	30° 09'	30° 00'	42° 2'	38° 2'	37° 7'	45° 8'	1° 5'	0° 0'	237	230	88	100	NE	2	NE	1	5	5	5	—	Dull day.
10	29° 86'	29° 89'	38° 5'	41° 5'	37° 0'	42° 4'	1° 3'	1° 9'	208	223	90	86	W	1	SE	1	10	10	10	1° 010	Dull day.
11	29° 98'	30° 04'	42° 3'	40° 4'	39° 6'	44° 1'	2° 2'	2° 5'	233	201	84	80	NE	1	NE	1	10	10	10	—	Dull day.
12	30° 03'	29° 96'	32° 8'	38° 4'	31° 5'	41° 2'	1° 2'	2° 5'	162	184	87	80	NW	1	NW	1	0	10	10	—	Pull from 1.30p.
13	29° 90'	29° 81'	37° 8'	36° 5'	35° 4'	41° 4'	2° 1'	1° 3'	187	192	83	89	NW	1	NE	1	10	10	10	1° 030	Dull day.
14	29° 73'	29° 91'	33° 9'	32° 1'	30° 7'	38° 1'	0° 7'	1° 3'	181	152	92	84	NE	1	NE	2	10	10	10	—	
15	30° 10'	30° 09'	31° 1'	34° 5'	28° 6'	35° 9'	0° 5'	0° 8'	163	159	93	90	NW	1	NW	1	5	7	7	—	Fine and frosty.
16	29° 90'	29° 83'	37° 0'	41° 6'	29° 7'	42° 2'	1° 4'	2° 0'	193	232	88	85	SW	6	SW	6	10	10	10	—	Dull day.
17	29° 69'	29° 49'	41° 5'	40° 4'	38° 4'	42° 1'	2° 0'	1° 1'	221	228	85	91	SW	6	W	1	10	10	10	1° 050	☉ showers.
18	29° 20'	29° 01'	38° 3'	37° 4'	36° 3'	41° 8'	0° 6'	0° 8'	219	203	95	93	NE	1	NE	1	10	10	10	1° 010	☉ showers n. and during day.
19	28° 08'	28° 28'	37° 8'	39° 1'	36° 4'	44° 3'	0° 9'	0° 7'	208	205	92	94	NW	1	SW	1	10	10	10	—	Dull, with ☉ (mist).
20	28° 41'	28° 41'	34° 1'	36° 9'	30° 9'	42° 4'	0° 7'	1° 0'	183	199	92	91	W	1	W	1	5	10	10	—	Dull, with ☉ (mist).
21	29° 44'	29° 57'	40° 0'	42° 3'	36° 2'	42° 5'	1° 2'	0° 8'	222	253	90	94	NE	1	NE	4	10	10	10	1° 470	☉ showers a.
22	29° 82'	30° 04'	41° 9'	35° 5'	35° 2'	42° 7'	1° 7'	2° 0'	230	171	87	82	E	8	NE	2	10	10	10	1° 120	☉ n. and till 0.30p. ☉ showers till 4p.
23	30° 00'	29° 52'	33° 5'	32° 7'	32° 0'	38° 7'	1° 8'	1° 4'	156	157	82	84	N	1	NW	2	7	0	0	—	☉ (mist).
24	29° 52'	29° 39'	36° 6'	41° 4'	32° 3'	41° 4'	1° 7'	1° 4'	184	231	85	89	SW	2	W	1	10	10	10	—	Dull day.
25	29° 51'	29° 37°	37° 1'	38° 4'	35° 5'	43° 0'	1° 1'	1° 3'	199	206	90	89	W	1	W	1	7	7	7	1° 070	Fine day. ☉ 0.9p.
26	28° 06'	28° 03'	49° 7'	44° 4'	38° 3'	50° 2'	1° 9'	1° 9'	308	250	87	86	SW	8	W	8	10	10	10	1° 110	☉ showers n. and day. ↗ (gale) n. and day.
27	28° 06'	28° 33'	41° 8'	38° 7'	38° 3'	46° 8'	1° 2'	2° 2'	239	193	81	83	SW	6	W	1	10	10	10	1° 010	☉ showers n. and day.
28	29° 54'	29° 55'	34° 5'	35° 7'	32° 2'	40° 5'	0° 5'	0° 4'	190	202	95	97	S	1	SW	1	10	10	10	—	☉
29	29° 48'	29° 43'	31° 7'	30° 0'	28° 5'	36° 7'	0° 1'	0° 4'	177	156	99	93	NE	1	NW	1	10	10	10	—	☉
30	29° 50'	29° 55'	33° 7'	43° 9'	28° 3'	44° 0'	1° 6'	1° 5'	161	253	83	88	W	1	W	1	10	7	7	1° 030	☉
Mean	29° 47'	29° 49'	39° 0'	39° 2'	35° 1'	43° 3'	1° 3'	1° 3'	213	215	88° 8'	89° 2'	3° 3'	2° 7'	8° 5'	8° 9'	3° 540				

WOLFELEE.—NOVEMBER 1887.

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.

Long. 2 59 W. Lat. 55° 23' N.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	40°	44°	34°	45°	0.6	2.9	in.	in.	%	%	SSE	S	—	—	ins.	all day. ☁ showers p.
2	28° 44	28° 32	40°	44°	34°	45°	0.6	2.9	234	231	95	78	SE	SE	—	—	130	Blow a. and p.
3	28° 40	28° 30	41°	41°	38°	45°	1.4	1.4	232	227	89	89	SE	SE	—	—	470	Dull, with ☁ a. Fine and clear p.
4	27° 97	27° 01	41°	36°	36°	46°	0.9	1.2	237	189	93	89	SW	SW	—	—	950	Dull, with ☁ showers a. Fine p.
5	28° 17	27° 45	37°	33°	31°	47°	0.4	0.7	216	178	96	92	N	NE	—	—	159	Fine and clear a. Dull p.
6	28° 64	28° 02	40°	39°	29°	41°	1.4	2.0	218	206	89	84	W	SE	—	—	100	☁ a.
7	28° 63	28° 53	44°	39°	36°	47°	0.9	0.4	273	230	93	97	NE	E	—	—	510	☁ all day.
8	29° 14	29° 24	44°	41°	36°	48°	0.9	1.2	273	231	93	90	NE	NE	—	—	800	Dull. ☁ showers during day.
9	28° 44	28° 52	45°	43°	39°	46°	1.4	0.4	266	208	89	97	N	NE	—	—	080	Dull a. Fine p.
10	28° 37	28° 37	38°	36°	34°	44°	0.5	0.2	224	208	96	98	NNE	NE	—	—	040	☁ a. Dull day.
11	28° 45	28° 53	36°	39°	31°	42°	0.2	1.4	208	210	98	89	NE	NE	—	—	020	Dull and calm.
12	28° 54	28° 49	39°	39°	33°	41°	1.9	1.4	201	210	85	89	SSE	NE	—	—	—	Dull and calm.
13	28° 41	28° 31	36°	35°	33°	41°	1.2	0.7	189	195	89	94	NW	NW	—	—	—	Dull day.
14	28° 20	28° 38	33°	33°	30°	41°	0.4	0.2	181	183	95	97	N	NE	—	—	370	☁ all day.
15	28° 61	28° 64	29°	21°	23°	35°	0.0	0.5	160	97	100	85	NE	NE	—	—	—	☁ a.
16	28° 53	28° 47	34°	33°	13°	34°	2.2	1.2	152	163	78	86	W	W	—	—	—	Dull and blowy a. Clear and blowy p.
17	29° 30	29° 08	39°	32°	28°	39°	1.9	1.2	201	153	85	84	W	W	—	—	—	Fine and blowy a. Clear, cold, and
18	28° 76	28° 57	33°	31°	28°	41°	1.7	1.2	157	143	82	82	SW	SW	—	—	—	Dull and calm. [blow p.]
19	28° 61	28° 83	31°	29°	23°	38°	1.7	0.2	138	154	78	96	SE	SE	—	—	—	Fine and clear.
20	28° 94	28° 94	35°	34°	22°	36°	0.2	0.2	200	195	98	98	SE	SE	—	—	020	Dull day.
21	28° 04	29° 04	32°	35°	28°	41°	0.7	0.2	170	200	91	98	E	E	—	—	070	Dull and calm a. ☁ showers p.
22	29° 21	29° 46	40°	37°	30°	41°	0.4	0.7	243	205	97	94	NE	NE	—	—	080	Dull, with ☁ (mist) a.
23	29° 48	29° 41	34°	27°	27°	42°	0.7	0.0	182	150	92	100	NE	NE	—	—	010	Dull, with ☁ a. Clear and frosty p.
24	29° 13	28° 50	34°	40°	23°	37°	3.2	0.9	140	233	71	93	SW	SW	—	—	030	Cold and blowy a. Dull and cloudy p.
25	28° 84	28° 85	37°	42°	32°	41°	0.7	0.4	204	258	94	97	WNW	W	—	—	350	Dull a. ☁ showers.
26	28° 66	28° 66	47°	44°	37°	47°	1.4	0.9	289	267	90	93	W	SW	—	—	750	☁ (gale) ☁ showers.
27	28° 63	28° 93	42°	36°	39°	49°	2.4	0.2	218	208	82	98	SW	SW	—	—	460	☁ (gale) ☁ showers.
28	29° 12	29° 12	32°	34°	30°	43°	0.2	0.7	181	185	98	93	NW	SW	—	—	—	Fine and clear.
29	28° 99	28° 99	29°	36°	25°	39°	0.5	0.2	145	212	91	98	E	NE	—	—	—	Fine and clear.
30	29° 09	29° 17	28°	41°	22°	43°	0.2	1.7	146	227	95	87	SW	SW	—	—	—	Fine and clear.
Mean	29° 005	29° 032	37°	36°	30°	42°	1.0	0.9	204	202	90°	91°	—	—	—	—	4° 500	Fine and clear.

SCARBOROUGH.—NOVEMBER 1887.

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

1	29.09	29.00	42.7	43.2	35.5	45.8	1.1	1.1	2.50	2.55	91	91	SE	4	S	7	10	10	0.40	Stormy, with ☁.		
2	28.99	28.93	43.3	41.4	40.5	46.8	0.4	0.8	2.70	2.43	97	94	S	5	S	6	10	1	0.390	☁ showers. Bright evening.		
3	28.62	28.92	43.7	43.1	39.4	49.4	0.8	0.7	2.66	2.63	93	94	S	9	S	5	0	3	0.270	(gale) from 3a. Bright day.		
4	28.62	28.92	43.0	45.5	40.0	48.8	0.5	0.8	2.65	2.86	96	95	S	6	SW	2	5	10	0.080	Fine a. Dull, with ☁ later.		
5	29.15	29.14	41.6	43.7	38.8	48.5	0.9	1.3	2.43	2.55	93	89	SW	2	SW	3	0	10	0.360	Bright and sunny a. Dull later.		
6	29.10	29.10	45.7	42.5	39.8	49.1	0.3	0.4	3.01	2.63	98	97	S	1	SE	1	4	10	0.310	Bright day. ☁ in evening.		
7	29.48	29.47	45.7	47.6	41.0	47.8	0.3	1.2	3.01	2.99	98	92	NE	4	NE	5	10	5	0.170	Dark, with ☁ a. Bright afternoon.		
8	29.82	29.80	48.0	46.9	46.0	48.7	0.7	0.2	3.17	3.17	95	99	NE	4	NE	7	10	10	0.120	Stormy, with ☁.		
9	29.93	29.89	45.9	43.7	43.0	47.9	0.2	2.7	3.05	2.27	99	79	NE	5	NE	4	10	10	0.030	Dull, with ☁.		
10	29.79	29.80	43.8	44.9	43.0	45.7	2.9	0.5	2.25	2.85	77	96	NE	3	NE	5	10	10	0.060	Dull and damp.		
11	29.88	29.98	43.6	44.2	43.0	45.5	1.6	4.3	2.48	2.02	87	69	NE	4	NW	2	9	10	0.030	Dull and damp.		
12	29.97	30.00	43.2	40.7	40.0	45.6	2.8	2.8	2.20	1.99	79	78	NW	2	W	2	10	10	0.10	Dull and cold.		
13	29.91	29.74	40.1	38.3	38.0	41.7	1.9	0.9	2.09	2.14	85	93	W	1	NW	1	10	0	0.080	Dull and cold. Fine later.		
14	29.64	29.77	40.7	40.7	37.7	42.7	2.3	4.6	2.05	1.69	82	67	NE	2	NE	4	5	2	0.050	Dark, with ☁ showers.		
15	30.03	30.12	39.0	33.6	33.0	40.8	4.5	0.6	1.56	1.80	67	93	NE	2	NE	1	4	0	0.090	☁ showers.		
16	30.11	29.98	28.9	36.1	27.0	37.1	0.8	1.1	1.36	1.91	85	90	SW	2	SW	2	0	10	0.010	Brilliant and frosty a. Cloudy and cold later.		
17	29.90	29.62	31.4	30.9	29.5	37.2	1.3	1.0	1.46	1.48	83	85	SW	2	S	1	0	7	—	—	Very bright day.	
18	29.25	29.05	31.6	34.1	28.0	36.3	0.4	0.6	1.68	1.84	95	94	SW	1	S	1	5	10	—	—	Bright a. Dull and overcast later.	
19	29.07	29.24	31.6	33.3	30.0	40.3	1.1	0.2	1.52	1.85	86	98	SW	2	SW	1	0	0	—	—	Very bright day.	
20	29.39	29.41	41.2	38.0	30.0	42.8	0.8	0.3	2.41	2.22	94	97	SW	1	SW	1	9	10	0.030	Dull and raw a. Fine later.		
21	29.40	29.48	43.7	44.7	36.0	45.7	0.8	1.3	2.66	2.66	93	90	SE	2	E	2	9	9	0.090	Dull and damp.		
22	29.66	29.86	45.1	40.8	40.0	45.3	0.3	2.8	2.93	1.99	97	78	E	3	E	5	10	7	0.060	Dark, with ☁.		
23	29.90	29.91	40.9	37.8	37.0	41.8	2.8	2.4	2.00	1.82	79	80	E	3	NE	4	7	10	—	—	Fine and bright.	
24	29.75	29.46	40.9	35.1	29.0	38.3	0.9	1.0	1.17	1.84	85	90	SW	1	SW	1	6	4	—	—	Fine and bright.	
25	29.41	29.45	37.3	39.8	34.0	43.6	0.5	1.2	2.13	2.20	95	91	SW	1	W	1	0	5	—	—	Very bright day.	
26	29.31	29.24	48.6	51.6	39.0	51.7	1.1	2.3	3.15	3.93	93	84	SW	6	SW	5	10	10	0.030	Dull and mild.		
27	29.66	29.64	46.7	40.9	40.0	52.1	3.6	1.8	2.38	2.18	76	86	SW	6	W	5	3	1	—	—	Bright day, with ☁ (gale).	
28	29.47	29.42	33.6	36.7	30.0	41.0	0.7	0.3	2.05	2.09	94	98	SW	3	S	1	4	1	—	—	Very bright, but cold. ☁ 6p.	
29	29.58	29.72	36.6	40.1	33.7	40.4	1.3	0.7	1.90	2.11	99	98	SW	1	SW	1	10	10	0.330	Cold, with ☁ a. Day dark, with ☁.		
30	29.58	29.72	36.6	40.1	33.7	40.4	1.3	0.7	1.91	2.13	89	94	W	1	SW	3	0	6	—	—	☁ a. Day brilliant.	
Mean	29.502	29.517	40.5	40.5	36.6	44.3	1.3	1.3	2.29	2.28	89.4	89.3					3.0	3.0	6.0	6.0	2.630	

CRONKBORNE (DOUGLAS), ISLE OF MAN.—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.
1	ins. 28°65	ins. 28°71	47°9	48°8	46°0	51°0	2°4	3°2	in. 2°75	in. 2°70	84	78	SE 9-10	SSW 5-6	10	10	ins. ☁ showers. [☁ showers. (force 10) most of day.
2	" 85	" 72	47°0	49°0	43°5	51°7	2°0	2°0	" 2°75	" 2°98	86	86	WSW 4	SSE 6-7	6	10	Fine a. Squally ☁ ☁ showers n.
3	" 43	28°41	47°4	45°4	40°4	49°3	3°2	1°8	" 2°53	" 2°57	78	86	WSW 2	SSE 4	8	8	" ☁ showers a. Cloudy afternoon. ☁
4	28°68	29°06	43°7	46°7	40°7	48°3	1°1	1°2	" 2°60	" 2°91	91	92	N 4	NW 3-4	7	9	" ☁ showers a. Fine day.
5	29°21	28°95	48°4	46°5	44°2	52°0	2°8	0°9	" 2°73	" 2°95	81	94	W 3	ESE 7	2	10	Fine day. Squally ☁ ☁ at night.
6	" 10	29°37	47°0	46°6	40°0	53°4	1°2	1°8	" 2°93	" 2°76	92	83	NNW 1	NE 3	3	3	Fine day. ☁ at night.
7	" 55	" 03	47°2	48°0	44°2	48°0	1°2	1°0	" 2°95	" 3°09	92	93	ENE 5-6	NE 3	10	4	☁ Overcast, with squally ☁ ☁.
8	" 81	" 93	49°3	47°4	46°6	51°0	2°3	1°4	" 2°94	" 2°93	84	90	ENE 4-5	NE 4-5	10	10	☁ (gale) at night.
9	" 98	" 94	47°8	45°0	44°6	48°0	0°9	2°0	" 3°10	" 2°53	93	85	NE 4	ENE 4	9	9	Dull day.
10	" 86	29°84	45°3	44°0	42°2	45°0	2°0	3°0	" 2°37	" 2°24	84	77	NE 2	ENE 3	7	10	Dull day.
11	29°93	30°01	45°3	45°0	42°0	46°8	1°6	2°7	" 2°05	" 2°39	88	80	NE 3	E 1	7	10	Dull day.
12	30°08	30°02	42°7	40°2	40°2	46°0	2°0	0°6	" 2°31	" 2°37	84	95	Calm 0	Calm 0	10	10	Overcast. ☁☁☁ (mist).
13	29°93	29°80	41°0	42°0	40°0	45°4	1°8	3°8	" 2°19	" 1°93	86	73	NNW 1	ENE 3	10	10	☁ a. Dull day.
14	29°67	29°85	37°6	39°8	30°0	42°0	2°3	1°8	" 1°82	" 2°09	80	86	NW 1	ENE 4	8	10	☁10 Overcast, with ☁☁☁ showers. ☁ p.
15	30°11	30°18	38°0	29°0	27°0	41°1	2°5	0°4	" 1°82	" 1°34	79	92	ENE 2	NNW 1	3	0	☁ a. Fine day. ☁☁ p.
16	30°12	30°03	40°0	39°8	25°4	43°8	2°5	2°2	" 1°98	" 2°02	80	83	W 2	W 2	1	2	☁☁ a. Fine day.
17	29°84	29°61	43°8	36°0	34°8	46°6	3°4	0°7	" 2°15	" 1°99	74	94	SW 3	N 2	4	9	Fine a. Cloudy afternoon.
18	" 23	" 04	41°9	33°5	33°5	45°1	2°1	0°1	" 2°22	" 1°90	85	99	SSE 1	Calm 0	10	0	☁378 Overcast, with ☁☁☁ (mist). ☁ 8p. ☁
19	" 04	" 31	37°0	35°2	31°0	42°0	0°8	0°4	" 2°04	" 1°98	93	96	ENE 1	NNE 1	7	0	☁134 ☁☁☁ showers a. ☁ p.
20	" 45	" 39	34°8	35°8	30°6	50°0	1°1	1°0	" 1°80	" 1°91	89	91	NNW 1	Calm 0	1	9	Fine day.
21	" 37	" 48	40°6	33°8	35°6	44°0	1°0	2°4	" 2°32	" 2°34	92	81	SE 4-5	E 5	9	8	☁ a. Dull, with ☁☁☁ (mist).
22	" 67	" 93	44°0	41°0	38°5	46°0	1°5	2°0	" 2°55	" 2°15	88	84	NE 3	ENE 5	8	7	☁77 Dull day. ☁ showers in afternoon.
23	" 99	" 95	39°3	28°5	28°3	41°6	2°6	0°5	" 1°91	" 1°42	80	91	ENE 3-4	N 1	1	3	Fine day.
24	" 72	" 49	37°3	44°6	27°0	44°6	1°9	0°9	" 1°86	" 2°73	84	93	W 1	W 4	7	9	☁68 Dull day. ☁ showers from 4.30p.
25	" 47	" 44	44°8	47°0	42°8	47°0	2°2	1°2	" 2°47	" 2°93	83	92	WNW 3-4	SW 4-5	4	10	☁58 Cloudy. ☁ 7p. ☁ 9p.
26	" 29	" 22	51°4	49°0	46°6	51°4	2°6	0°5	" 3°13	" 3°35	83	97	WSW 6	SW 3	10	10	☁70 Overcast, with squally ☁ ☁.
27	" 26	" 53	45°8	43°0	40°5	50°7	2°0	1°7	" 2°63	" 2°40	86	86	WSW 7-8	W 5-6	3	4	Squally ☁.
28	" 64	" 62	41°2	33°8	33°8	46°3	0°6	1°0	" 2°46	" 1°74	95	89	W 2	N 2	3	6	☁629 Cloudy. ☁ at night.
29	" 47	" 51	37°4	35°6	30°4	38°0	0°6	0°6	" 2°11	" 1°97	94	95	NE 3-4	WSW 1	10	6	"220 ☁☁ a. Overcast, with ☁ ☁.
30	29°68	29°58	40°0	48°0	34°6	45°0	2°6	1°2	" 1°95	" 3°04	79	92	WNW 1	WSW 5	1	10	☁☁ a. Fine a. Dull p. ☁ 8p.
Mean	29°502	29°525	43°1	41°9	37°5	40°8	1°9	1°5	" 2°40	" 2°39	85°6	88°6	3°0	3°1	6°3	7°2	3°771

HILLINGTON.—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.			Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	45°	42°	34°	40°	2°	0.4	in.	in.	0.4	0.4	SW	6	SSE	5	10	10	ins.
2	29°25	29°13	45°	42°	34°	40°	2°	0.4	250	238	84	97	SW	6	SSE	5	10	10	108
3	29°13	29°11	44°	40°	34°	40°	0°	0.6	276	233	93	96	SE	4	SW	1	10	3	258
4	28°73	28°71	47°	45°	39°	50°	0°	1.4	311	268	96	90	SW	1	S	5	5	7	202
5	28°82	29°06	46°	42°	41°	52°	1°	1.3	277	238	90	90	S	5	W	2	7	10	150
6	29°33	29°27	42°	45°	41°	52°	1°	1.3	253	269	92	90	SW	4	SW	2	3	10	410
7	29°24	29°40	43°	39°	38°	52°	0°	0.7	270	229	98	94	SW	1	NE	1	2	0	015
8	29°45	29°36	44°	47°	35°	49°	0°	0.9	280	306	95	94	ENE	2	ENE	4	0	6	002
9	29°76	29°87	47°	46°	45°	51°	1°	0.8	288	297	89	95	E	6	ENE	3	10	10	008
10	29°89	29°81	46°	43°	43°	48°	0°	0.4	317	296	99	98	ENE	2	ENE	3	10	10	220
11	29°89	29°01	44°	39°	38°	47°	0°	0.4	294	230	99	97	NE	3	NE	1	9	6	009
12	30°10	30°11	42°	41°	37°	44°	1°	2.3	234	209	87	81	NW	1	NW	1	9	2	018
13	30°01	29°27	39°	38°	37°	41°	1°	2.3	234	209	87	81	NW	1	NE	0.5	10	10	030
14	29°64	29°78	42°	38°	36°	44°	3°	0.9	266	211	76	92	NE	5	NE	1	5	3	028
15	30°07	30°20	32°	30°	27°	41°	0°	0.5	171	155	94	93	NE	1	NE	0.5	2	0	003
16	29°19	29°24	24°	27°	23°	35°	0°	0.2	127	146	95	96	SW	1	SW	0.5	10	0	003
17	30°04	29°66	25°	33°	22°	39°	0°	1.5	133	160	95	84	SE	0.5	E	1	0	5	003
18	29°34	29°16	30°	32°	27°	34°	0°	0.3	166	174	99	96	SE	0.5	W	1	7	10	100
19	29°17	29°31	25°	27°	24°	38°	0°	0.0	133	148	95	100	W	0.5	SE	0.5	3	0	008
20	29°45	29°50	30°	32°	24°	37°	0°	0.1	166	184	99	100	SW	0.5	SE	0.5	10	10	008
21	29°48	29°56	31°	32°	30°	36°	0°	0.1	176	184	100	99	E	0.5	SE	0.5	10	10	045
22	29°68	29°80	41°	44°	39°	47°	0°	1.2	258	270	98	91	E	0.5	NE	4	10	9	030
23	29°90	29°94	40°	36°	36°	44°	2°	0.8	203	201	82	93	NE	2	NE	0.5	10	10	010
24	29°84	29°66	36°	31°	31°	41°	1°	1.2	198	152	90	95	SE	0.5	NE	0.5	9	5	001
25	29°56	29°64	35°	37°	31°	44°	1°	0.5	188	212	90	95	SE	1	SW	0.5	10	1	002
26	29°59	29°53	45°	40°	34°	50°	1°	2.2	269	299	88	85	SW	4	WSW	7	10	10	003
27	29°52	29°70	40°	40°	39°	50°	1°	2.2	269	299	88	85	SW	5	SW	0.5	9	0	003
28	29°84	29°77	38°	41°	33°	47°	1°	0.2	216	261	92	99	SW	1	SW	0.5	5	10	037
29	29°53	29°59	39°	39°	38°	42°	0°	1.2	231	230	95	91	NE	0.5	W	0.5	10	10	222
30	29°68	29°99	37°	35°	33°	41°	0°	1.3	209	179	92	87	NW	3	W	2	10	6	025
Mean	29°59	29°618	39°	38°	34°	45°	0°	0.8	231	224	92.5	92.8	2.1	1.7	7.5	6.4	2°014		

CHURCHSTOKE.—NOVEMBER 1887.

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

1	28°33	28°48	42°1	42°6	38°0	45°6	1°2	1°5	*241	*240	90	88	SSE	10	SSE	2	10	6	*618	2 (gale), uprooting trees.
2	*56	*42	49°4	44°6	40°0	53°1	3°2	2°7	*269	*235	76	79	SW	1	SSW	6	5	10	*550	Bright day.
3	*13	*09	40°8	41°2	39°1	48°3	0°9	1°3	*235	*231	93	90	SW	2	SW	2	10	8	*272	2 2 in past n. 2 showers.
4	*25	*62	47°9	42°8	38°1	51°9	2°2	1°1	*280	*251	85	92	SW	3	W	2	8	1	*035	Squally, with 2.
5	*86	*60	48°9	45°2	39°8	54°1	4°0	0°8	*252	*283	73	94	SW	1	SW	2	6	9	*360	Fine and bright. Dull and cold later.
6	28°64	28°59	45°3	44°0	36°1	51°1	2°2	1°1	*253	*263	84	91	SE	1	SE	2	8	10	*020	Cold and raw, with 2.
7	29°01	29°06	41°6	44°8	37°2	45°1	0°7	0°9	*247	*275	94	93	NE	1	SE	3	10	10	*038	Dull and raw, with 2 (mist).
8	*26	*41	46°8	45°8	43°8	48°1	2°1	1°7	*270	*266	85	87	E	4	NE	1	10	10	*400	Cold and raw, with 2.
9	*46	*42	45°3	43°6	42°8	46°5	1°4	1°7	*269	*246	89	86	NE	2	N	3	10	10	*012	Gloomy and cold, with 2.
10	*37	*35	38°8	39°8	37°5	44°1	0°7	0°1	*222	*243	95	99	NW	2	NW	1	10	10	*150	Dull, with 2. 2 (mist) p.
11	*44	*57	41°6	40°0	39°0	44°3	0°4	0°1	*254	*225	97	91	NW	1	NW	1	10	10	—	2 (mist) a. Cold and raw.
12	*59	*63	38°8	38°2	37°0	41°0	1°9	2°1	*198	*190	84	83	NW	1	SE	1	10	10	—	Cold and raw.
13	*49	*34	37°4	35°4	34°0	40°1	1°5	1°3	*194	*181	87	88	E	1	W	1	10	10	—	Cloudy, cold, and raw.
14	*23	*37	37°1	35°9	34°0	39°0	1°2	1°0	*197	*190	89	91	N	2	NE	2	10	6	—	Very cold.
15	*63	*75	33°3	27°0	25°0	38°9	1°6	2°0	*157	*089	83	81	NW	1	Calmo	0	8	0	—	Bright and sharp.
16	*78	*67	25°0	27°0	20°3	39°5	1°0	1°0	*100	*115	74	79	Calmo	0	NW	1	0	0	—	Bright and sharp.
17	29°49	29°16	26°0	26°3	21°1	40°8	1°0	1°3	*107	*100	76	72	NE	1	NW	1	10	10	—	Bright and sharp.
18	28°84	28°68	28°5	33°7	22°3	34°6	0°6	2°8	*139	*140	90	72	W	1	NW	1	10	10	—	2 (mist) a. Cold and raw.
19	28°65	*83	30°9	33°3	26°1	38°2	0°5	0°5	*160	*179	93	95	E	2	Calmo	0	8	10	*058	* 0 in past n. 2 (mist) a.
20	29°03	28°99	33°7	30°9	27°4	43°2	0°8	1°0	*176	*148	91	85	W	1	W	1	10	0	—	Raw, with 2 (mist).
21	28°94	29°02	30°3	31°9	25°3	32°0	0°4	1°0	*157	*157	94	87	E	1	Calmo	0	10	10	—	Cold and raw, with 2 (mist) 2 0.
22	29°44	*40	31°7	37°8	39°0	39°5	0°8	1°1	*159	*205	90	91	NE	1	NE	2	10	10	080	2 (mist) a. Dull and cloudy.
23	*50	*49	35°9	34°9	34°5	38°2	1°0	1°2	*190	*179	91	88	NE	1	NE	1	10	10	—	Bright, with cold wind.
24	*35	*16	28°9	34°3	25°1	42°2	0°8	2°2	*136	*155	86	78	SE	1	NE	1	5	10	*020	Mild, with squally 2.
25	*12	29°16	40°6	44°8	33°0	48°1	0°9	2°4	*234	*242	93	82	SW	1	SW	2	6	2	*220	in past n. 2 2.
26	*70	28°97	47°9	50°2	44°0	51°3	1°2	2°0	*304	*312	92	86	SW	5	SW	6	10	10	*106	Squally, with 2.
27	*04	29°27	44°9	39°0	36°5	50°7	3°7	2°3	*216	*193	73	82	SW	3	SW	2	6	2	*106	Cold and raw.
28	*32	*23	42°6	39°8	37°1	46°1	1°9	1°1	*232	*223	85	92	SW	2	NE	1	9	10	—	Bright and sharp.
29	*02	*10	38°0	34°9	33°0	44°1	0°9	1°0	*211	*182	92	90	SSW	3	NW	1	10	8	—	
30	29°31	29°45	39°6	43°8	38°0	45°2	2°7	0°4	*191	*276	78	97	NE	1	SE	1	6	10	*012	
Mean	29°095	29°120	38°6	38°4	33°4	44°2	1°5	1°4	*208	*207	86°7	86°3	1°9		1°7	8°3	8°0	3°001		

CARMARTHEN.—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
							Dep. of Wet.		Vapour Tension.		Per-centage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	46°	47°	42°	52°	1°	2°	in.	in.	%	%	SW 8	SW 4	10	7	ins.	☁ (gale) all past n. Frequent showers.	
2	28°02	28°81	46°	47°	42°	52°	1°	2°	269	281	87	85	SW 8	SW 4	10	7	430	☁ Overcast, with 2. ☁ showers.	
3	28°05	28°63	48°	46°	43°	51°	1°	0°	297	301	88	94	SW 1	E 2	5	10	600	☁ showers.	
4	28°50	28°41	42°	43°	41°	51°	1°	1°	250	262	91	92	W 1	Calmo 0	5	10	380	☁ showers.	
5	28°62	28°09	46°	46°	39°	51°	1°	2°	293	271	94	85	Calmo 0	W 1	10	9	070	☁ showers.	
6	28°28	28°92	49°	48°	38°	55°	3°	1°	272	311	77	92	Calmo 0	SW 3	1	10	800	☁ 2 from 3p.	
7	28°03	28°19	43°	46°	40°	52°	0°	1°	277	280	97	91	S 1	E 3	10	6	180	☁ till noon.	
8	28°35	28°36	43°	47°	41°	51°	2°	2°	238	266	83	82	NE 2	E 4	6	10	—	Dull day.	
9	28°51	28°73	48°	47°	46°	50°	2°	2°	293	262	85	82	E 4	E 4	5	8	—	Dull day.	
10	28°51	28°78	48°	46°	45°	50°	1°	2°	288	262	87	85	NE 1	E 2	6	8	—	Dull day.	
11	28°75	28°71	44°	41°	41°	48°	2°	1°	241	237	83	91	W 1	NE 2	4	10	200	Overcast.	
12	29°01	29°06	44°	42°	40°	50°	2°	1°	248	245	84	89	NE 4	E 1	2	6	—	Fine day.	
13	29°02	29°05	41°	40°	39°	47°	2°	0°	217	200	84	79	E 2	E 1	8	8	—	Dull day.	
14	29°06	29°08	39°	36°	35°	41°	2°	1°	199	182	84	83	E 1	E 1	10	10	—	Dull day.	
15	29°01	29°02	39°	39°	35°	43°	4°	2°	170	193	69	79	E 1	E 2	10	8	—	Dull day.	
16	29°01	29°14	38°	37°	27°	44°	3°	1°	177	142	76	94	NE 2	Calmo 0	0	0	—	☁ Fine day.	
17	29°15	29°05	32°	27°	22°	43°	3°	0°	127	129	63	86	E 1	Calmo 0	0	0	—	Fine day.	
18	29°24	29°50	33°	33°	21°	40°	3°	2°	124	140	66	73	Calmo 0	E 1	0	8	—	Fine day.	
19	29°03	29°04	32°	33°	30°	38°	1°	1°	151	172	83	88	Calmo 0	Calmo 0	10	10	040	Dull day.	
20	29°02	29°13	33°	33°	26°	45°	0°	1°	176	207	93	88	E 1	E 2	10	0	040	☁ p.	
21	29°41	29°34	42°	31°	30°	49°	2°	0°	218	178	82	99	NE 1	E 2	0	5	—	☁ Fine day.	
22	29°24	29°31	36°	39°	30°	41°	1°	1°	190	211	87	89	E 3	E 3	10	10	020	☁ Dull day. 6p.	
23	29°52	29°73	38°	42°	36°	44°	1°	3°	199	203	85	76	NE 4	NE 3	8	8	010	Dull day.	
24	29°87	29°83	38°	31°	31°	43°	2°	1°	183	151	78	83	E 2	N 1	4	0	—	Fine day.	
25	29°73	29°56	30°	34°	23°	41°	1°	0°	129	167	76	90	Calmo 0	Calmo 0	0	0	020	☁ Fine day.	
26	29°56	29°56	40°	48°	32°	50°	0°	1°	249	303	99	91	SW 1	SW 3	7	10	010	Overcast.	
27	29°52	29°39	48°	50°	44°	50°	0°	0°	333	348	99	96	SW 3	SW 4	10	10	430	☁ 11.30p.	
28	29°49	29°63	47°	48°	40°	47°	0°	1°	247	225	75	91	SW 2	SW 1	4	2	200	☁ Overcast, with 2 all day.	
29	29°70	29°59	42°	42°	37°	49°	0°	0°	261	272	95	99	SW 1	E 1	10	10	430	☁ 3p.	
30	29°42	29°51	41°	38°	37°	47°	0°	0°	246	226	93	96	W 1	W 1	5	10	140	Very fine day.	
31	29°73	29°89	44°	44°	37°	50°	2°	0°	238	288	80	99	W 1	W 1	0	10	010		
Mean	29°47	29°47	41°	40°	36°	47°	2°	1°	227	231	84	83	1°	1°	5°	7°	4°	010	

SOUTHAMPTON.—NOVEMBER 1887.

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.

Long. 14° 24' W. Lat. 50° 55' N.																				
Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.	Per-centage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	45.5	44.8	39.7	50.6	2.5	1.4	in.	in.	82	89	S	7.5	SSW	1	10	1	ins.	Squally 7 a.m.—11 a.m. 2 showers [11.15 p.
2	29.18	29.16	49.0	47.6	41.2	55.0	1.1	1.6	320	290	92	89	SW	2.5	S	3	2	10	2.665	2 sa. 2 11 a. R 2 2 p.
3	28.74	28.73	53.9	46.1	45.0	54.2	2.3	1.0	351	288	85	93	SSW	3.5	SW	4.5	9	10	592	2 showers. 2 p. and 8 p. 2 p.
4	28.91	29.24	52.1	43.7	43.0	55.9	3.2	1.1	307	260	78	91	SSW	3.5	SW	3	0	9	045	Fine a. 0 showers p. 2 n.
5	29.48	29.19	46.0	49.4	40.2	55.9	0.8	0.6	292	338	94	95	SW	1.5	SE	6	2	10	572	Day fine and pleasant. 6 p.—11 p.
6	29.27	29.28	44.8	44.9	40.2	51.9	0.5	1.1	285	272	96	92	SE	1.5	ENE	3	9	2	123	0 a. 0 showers 9 a.—1 p. Fine p.
7	29.34	29.38	43.4	45.5	41.7	48.2	0.8	0.7	264	289	94	95	NE	3.5	NE	4	9	9	830	Fine a. 0 p. 2 from 9.30 p. [D n.
8	29.64	29.80	48.0	45.2	44.5	52.6	0.9	1.0	312	278	94	93	E	3	NE	2	9	10	003	Fine and pleasant. D n.
9	29.85	29.79	47.1	46.2	43.2	49.3	0.3	0.4	317	304	98	98	NNE	1.5	N	3	10	10	183	Most of day.
10	29.74	29.77	46.2	43.6	43.3	48.7	1.0	0.4	290	274	93	97	N	2.5	NE	1.5	10	0	003	D at night.
11	29.88	30.00	44.2	43.2	40.0	48.6	0.4	0.9	281	260	97	92	NE	1.5	NE	2	10	5	008	D 2 a. and p. Fine and pleasant.
12	30.11	30.10	41.0	42.7	38.7	47.6	0.8	1.3	239	246	94	89	NE	1	NE	2	10	10	—	Dull and gloomy a.
13	30.00	29.75	41.8	38.5	38.1	43.7	1.7	1.6	229	201	87	87	ESE	2	NE	4	10	10	010	D 9 p.
14	29.62	29.77	38.2	35.8	35.2	43.2	1.1	1.4	208	185	91	88	NNE	3	NNE	3	10	0	—	a. and p. Beautiful day.
15	30.07	30.22	36.2	30.2	29.9	41.3	1.1	0.5	193	155	90	92	NNE	2.5	Calm	0	10	0	—	a. and p. Beautiful day.
16	30.31	30.22	31.2	29.8	25.7	42.7	0.5	0.6	163	149	93	90	NE	1	NE	1	0	0	—	a. Fine and dry throughout.
17	30.01	29.62	31.2	34.0	27.4	39.5	1.2	1.8	146	160	83	81	NE	1.5	NE	2	0	10	012	a. Fine and dry throughout.
18	29.34	29.21	33.0	33.2	32.1	36.1	0.8	0.4	171	181	91	95	NNE	1	Calm	0	10	10	051	a. Fine and dry throughout.
19	29.22	29.23	33.4	35.8	29.3	38.2	1.2	0.5	167	201	87	96	NW	0.5	N	1	10	10	223	0 2 p. and 3 p.
20	29.47	29.52	36.4	35.0	34.5	41.3	0.5	0.2	206	200	96	98	NNE	2	NE	2	10	10	—	0 a.—4 p. 0 most of day.
21	29.47	29.48	32.4	36.1	30.4	45.1	0.2	0.6	180	202	98	95	NE	1.5	E	2	10	7	—	0 most of day. [from 11 a. 1 p.
22	29.60	29.72	38.4	41.5	35.3	43.1	0.6	1.0	220	241	95	92	NE	2	NE	4	10	10	057	Dull, damp, and cold, with 0 a. Fine
23	29.88	29.90	39.5	37.0	36.8	43.7	1.7	1.1	209	198	86	90	NE	4	NE	3	10	10	008	Dull and damp, with 0 a.
24	29.83	29.74	35.8	37.2	32.6	38.6	0.9	1.3	195	196	93	88	NE	2	NW	2	10	0	010	0 till 7 a., then fine and dry. D n.
25	29.69	29.76	39.2	41.7	32.4	47.6	0.4	0.9	232	246	96	93	W	0.5	NW	2	10	7	—	Overcast all day.
26	29.75	29.70	48.8	50.9	39.4	51.9	2.2	2.8	292	303	84	82	SW	3	SW	4	10	10	025	a. Fine and pleasant from 9 a. [D n.
27	29.69	29.86	48.1	41.6	41.1	51.7	1.0	1.8	311	226	93	86	SW	2.5	SW	1.5	10	1	—	Fine and mild.
28	29.92	29.79	46.2	42.6	39.8	53.6	1.4	1.2	281	247	91	90	SW	1.5	SE	3	10	3	385	Beautifully fine and mild. D at night.
29	29.63	29.67	40.4	37.7	37.3	48.1	0.7	0.9	237	209	95	92	WSW	1.5	SW	1.5	10	0	—	Beautiful a., with D 2. Overcast p.
30	29.80	29.04	35.8	33.7	33.1	46.5	0.5	0.7	201	180	96	92	NW	1.5	SW	0.5	0	0	—	Fine and pleasant. 1 p. [D from 7 p.
Mean	29.620	29.635	41.6	40.5	37.0	47.1	1.1	1.0	245	235	91.4	91.4	2.2	2.4	7.4	6.4	4.130	—	a. and p. Beautiful day throughout. [out. 0 p.	

BABBACOMBE.—NOVEMBER 1887.

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

1	28°73	28°86	46°9	45°8	42°2	52°5	1°1	2°0	295	262	93	86	SSW 6	SW 4	10	3	170	U n. 2 (gale) 6a.—9a. 2p. D 2
2	29°03	28°50	50°1	49°8	43°4	54°6	2°3	1°5	304	319	84	89	WSW 4	S 6	8	10	530	2 (gale) 10p.—midt. [Squally p. 2
3	28°51	28°44	46°0	46°7	44°2	52°7	1°9	1°4	266	285	87	90	WSW 5	WSW 6	8	9	190	Squally 2 (gale) 0.15a. 8a. and 5p.
4	28°66	29°06	49°7	45°9	44°5	52°7	3°2	0°9	278	288	79	94	WSW 5	WSW 2	5	8	100	Squally a. 0 showers. Lunar 9p.
5	29°24	28°94	46°7	47°3	42°4	51°2	1°4	1°0	285	302	90	93	WSW 3	WSW 4	9	3	560	0 a. Squally (gale) 7p.
6	28°96	28°96	45°1	50°0	42°3	52°4	0°7	2°9	284	288	94	81	SW 3	E 4	9	8	140	0 (mist) a. Parhelion 0.30p.
7	29°11	29°14	43°6	45°4	42°5	50°5	1°5	0°9	250	283	88	94	NE 5	NNE 5	4	10	550	Squally before 9a. 0 (mist).
8	29°30	29°54	50°0	47°6	45°2	52°0	2°0	1°7	309	288	86	88	ESE 5	E 5	9	10	090	Squally before 9a. 2 4p. and 7p. 0 (mist) a. Dull day. 0 showers p.
9	29°63	29°59	46°3	45°9	45°5	49°6	1°4	0°9	280	288	90	94	NNE 2	NE 4	10	10	150	0 (mist) a. Dull day. 0 showers p.
10	29°56	29°53	43°2	43°9	43°1	45°9	1°0	0°9	257	266	92	93	N	NNE 3	10	10	010	Dull and gloomy. 0 (mist) p.
11	29°63	29°77	44°8	44°7	42°5	49°8	1°6	1°8	260	255	88	86	ENE 2	NE 3	3	3	—	0 (mist) a. 0 (mist) p.
12	29°85	29°82	41°5	43°1	39°3	45°1	1°6	2°1	228	233	88	83	N	NNE 3	10	10	—	Dull and gloomy.
13	29°70	29°49	44°6	38°1	38°1	45°7	4°0	0°2	212	225	72	72	ESE 4	NE 4	10	10	270	Dull and gloomy. 0 showers. Squally.
14	29°45	29°53	38°1	40°7	35°1	40°9	2°1	2°7	188	200	82	79	N	NNE 3	9	10	—	Dull, with 0 (mist). Very gloomy.
15	29°81	29°95	38°6	36°8	36°3	42°9	2°0	1°8	196	184	84	85	NE 3	NNE 3	1	3	—	0 (mist) 1p.—3p. Squally. [5p.
16	30°03	29°94	37°8	36°9	32°2	44°0	2°8	2°0	174	182	77	83	N	NNE 2	1	2	—	till 9a. Fine day. 1p.
17	29°67	29°34	41°1	37°9	36°3	41°6	2°9	2°6	109	179	78	78	E	E 5	4	10	010	Dull, with 0 (mist) p. 0 11p.
18	29°11	28°96	35°2	36°5	34°3	40°9	1°0	1°2	185	192	90	90	NNW 1	SW 2	10	2	030	0 (mist) a. Dull day. 0 11p.
19	28°97	28°98	39°8	38°4	36°3	50°4	1°4	1°1	217	210	89	91	WSW 2	N 2	9	2	020	0 a. Parhelion 4p. D 2 1p.
20	29°26	29°28	37°9	34°8	34°3	44°4	1°8	0°6	193	189	85	94	NE 3	NW 1	9	0	—	0 (mist) all day. D 2 1p.
21	29°14	29°14	44°8	43°8	31°3	46°5	2°9	0°7	233	270	78	95	ESE 4	E 4	9	10	680	2 early a. Dull a. Very gloomy p.
22	29°39	29°47	42°8	43°5	41°1	44°4	1°0	1°9	253	240	92	85	ENE 5	ENE 6	10	10	060	0 (mist) a. Very gloomy p. Squally
23	29°63	29°64	38°6	38°4	37°5	43°5	2°4	1°8	188	197	81	85	NNE 5	NE 4	1	2	—	Dull 2p.—7p. Squally. [0 (gale) 10p.
24	29°58	29°52	36°7	34°9	34°8	40°3	1°3	1°6	193	172	89	84	NE 2	W 1	10	10	—	D n. Dull, with 0 (gale) 10p.
25	29°47	29°56	43°9	43°7	33°4	52°0	1°1	1°3	262	256	91	89	WSW 2	WSW 2	9	3	—	0 (mist). 0 noon. 0 11p.
26	29°50	29°43	49°4	50°4	41°5	51°8	2°5	1°8	290	319	83	88	WSW 4	SW 6	10	8	080	Dull day. Squally (gale) from 8p.
27	29°45	29°62	47°6	42°5	41°5	52°3	1°7	2°2	288	225	88	84	WSW 3	WNW 1	3	1	010	(gale) till 2a. 0 9a. 0 2p.
28	29°65	29°49	47°4	41°8	40°5	49°9	1°9	1°0	281	243	87	92	SW 2	ESE 3	8	10	330	0 (mist) a. Dull and gloomy. 0 9
29	29°38	29°44	43°3	38°0	37°5	47°3	0°5	1°0	269	208	96	91	WSW 3	WSW 3	7	3	010	0 (mist) a. and p. D 2 1p.
30	29°59	29°81	41°4	39°4	34°3	48°9	2°6	1°5	208	211	81	88	WNW 1	SW 2	2	8	020	1 till 9a. Fine day. 0 (mist) [D 2 p.
Mean	29°359	29°369	43°4	42°4	39°1	47°9	1°9	1°5	244	242	86°1	88°3	3°3	3°4	7°2	6°6	4°010	

LONDONDERRY.—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					
1	ins.	ins.	44.6	41.2	39.0	47.5	0.7	1.3	278	231	94	90	S	1	SW	1	10	10	ins.	● showers all day.
2	28.63	28.72	44.6	43.7	37.5	48.5	0.8	2.3	276	235	94	82	S	2	S	2	10	10	380	● showers all day.
3	28.2	28.57	41.7	41.9	39.2	46.5	2.0	0.5	223	255	85	96	WSW	3	SW	2	3	10	200	● showers during day.
4	28.87	29.23	45.7	45.7	44.0	49.5	1.3	1.8	277	266	91	87	NW	2	NW	2	3	10	050	Fine day. ● in evening.
5	29.27	02	41.7	43.7	30.0	49.3	0.8	1.0	247	262	93	92	WSW	2	SE	1	5	10	100	
6	24	52	44.7	45.7	41.8	46.0	0.8	0.8	277	289	93	94	NE	2	NE	1	10	9	660	● during day.
7	28	29.83	45.7	46.6	44.3	48.6	1.8	1.7	266	278	87	88	NE	3	NE	3	10	10	170	Constant ● all day.
8	29.07	30.08	46.7	46.6	44.0	51.1	1.8	1.7	277	256	87	87	ENE	2	NE	1	8	0	—	Fine all day, but cold.
9	30.09	30.07	46.1	43.2	43.0	48.0	1.1	1.8	286	240	92	86	E	1	SE	1	9	10	—	
10	29.98	29.96	41.2	40.7	38.0	44.5	1.0	1.3	237	226	92	89	NE	1	E	2	10	10	—	
11	30.04	30.14	42.0	40.2	37.0	49.5	1.8	0.8	239	232	86	93	E	2	E	1	10	10	—	Fine all day.
12	15	30.11	40.7	40.2	38.0	42.5	1.3	1.3	226	222	89	89	E	1	NE	2	10	10	—	☼ ⁰ (mist) ga. Fine all day.
13	30.01	29.91	39.0	38.2	37.0	46.0	0.8	0.6	222	218	94	95	SW	2	WSW	1	9	0	010	● in evening.
14	29.77	30.05	36.3	36.2	33.1	47.3	0.4	2.2	206	173	96	81	SW	1	NE	1	10	3	—	
15	30.15	23	30.2	34.8	29.0	38.6	0.8	1.5	148	172	87	85	NE	2	SSW	1	0	0	—	Fine all day.
16	30.15	30.00	37.2	39.2	31.0	42.7	2.3	1.8	178	205	80	85	SW	2	SW	2	10	10	020	Fine all day.
17	29.78	29.57	40.2	41.6	38.5	42.0	1.3	1.2	222	237	89	91	SW	2	SW	1	10	10	—	
18	18	04	40.7	36.2	35.0	43.2	0.8	0.8	237	199	93	93	SW	2	N	1	10	0	090	● a. Fine during day.
19	19	14	35.7	35.7	33.0	43.5	0.8	0.3	194	204	93	98	NW	1	N	1	7	0	—	Fine during day.
20	53	39	33.7	37.2	31.5	40.6	0.8	1.0	178	202	91	91	SW	2	SE	2	9	0	010	Fine and clear all day.
21	39	29.60	40.7	37.7	31.9	42.2	1.3	0.8	226	210	89	93	NE	2	SE	1	10	0	—	
22	29.85	30.09	42.7	41.4	36.6	44.1	0.9	1.6	255	227	92	88	NE	1	NE	1	10	10	010	Fine all day.
23	30.14	29.99	31.4	33.7	29.0	42.0	1.0	1.3	153	167	87	86	NE	2	SW	2	0	10	—	
24	29.68	53	37.7	41.2	31.5	44.6	1.8	1.3	191	231	84	90	SW	2	SW	2	10	4	110	Fine a. ● in evening.
25	53	35	41.1	46.7	38.9	46.7	1.3	0.7	230	302	89	95	W	2	SW	3	0	10	170	● showers.
26	17	21	50.2	45.2	44.0	50.5	0.3	1.0	356	278	98	93	SW	2	SW	2	10	10	330	● a. ☼ ⁰ (mist).
27	10	55	41.2	37.7	37.0	46.0	1.3	0.8	231	210	90	93	W	3	W	2	10	4	140	● showers all day.
28	64	63	35.9	34.7	34.0	41.7	1.0	0.3	192	196	91	97	S	1	Calm	0	1	3	—	Fine all day.
29	54	64	32.7	36.9	36.0	38.0	0.8	0.5	170	209	91	96	NW	2	NW	1	4	6	030	Fine all day.
30	29.68	29.83	38.7	48.7	32.1	49.0	0.8	0.7	219	326	93	95	W	2	W	1	8	10	030	● during day.
Mean	29.54	29.59	40.4	40.7	36.5	45.1	1.1	1.2	230	232	90.3	90.6	1.8		1.5		7.5	6.6	2.910	

MARKREE CASTLE (SLIGO).—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
							Dep. of Wet.		Vapour Tension.								Per-centage.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.				
1	ins.	ins.	40.5	40.2	39.6	40.3	0.6	0.8	in.	in.	%	%	ENE 0.5	SE 1	10	8	ins.	☉ till 5.30a.	
2	28.50	28.58	40.5	40.2	39.6	40.3	0.6	0.8	.239	.232	95	93	SSW 0.5	S? 8?	8	10	.370	☾ p., abating before 10p.	
3	.81	.39	40.1	40.3	32.3	52.1	1.7	0.4	.273	.242	88	97	SSE 2	W 0.5	4	10	.410	☾ showers.	
4	28.57	29.23	41.7	44.7	38.6	44.8	1.9	0.5	.225	.284	86	96	SSW 2	W 0.5	4	10	.220	☾ showers.	
5	28.87	29.23	48.3	45.3	41.0	49.9	2.4	1.1	.281	.268	83	91	NNW 2	NW 2	8	9	.220	☾ showers.	
6	29.21	28.88	38.1	44.4	35.3	46.1	0.4	0.1	.221	.290	96	90	Calm	E 1	8	10	1.280	☾ 2 in evening.	
7	.14	.41	47.1	43.2	41.6	48.8	1.2	0.3	.295	.273	91	97	NNE 3	NNE 1	9	10	.260	☾ showers.	
8	.74	.74	46.1	45.7	41.7	40.2	2.6	2.5	.254	.251	82	82	NNE 4	NNW 4	10	10	.010		
9	.85	.94	47.1	47.0	43.4	51.0	2.8	2.4	.259	.266	80	83	ENE 1	NNE 2	9	10	—		
10	.98	.96	47.8	43.3	42.3	50.2	2.4	1.3	.274	.252	83	90	ESE 3	NE 1	7	10	—		
11	.89	29.86	39.8	39.0	36.0	43.3	0.5	1.7	.235	.205	96	86	SE 0.5	Calm	0	10	10	Overcast all day.	
12	29.95	30.05	41.6	36.9	36.1	46.1	2.3	0.5	.216	.209	82	95	NNE 0.5	Calm	0	10	9	—	
13	30.09	30.04	38.1	37.7	31.1	44.0	0.2	0.5	.225	.216	98	96	Calm	Calm	0	10	9	—	
14	29.94	29.84	36.9	31.4	29.7	49.3	0.9	0.2	.201	.173	92	97	Calm	0 SSE 0.5	7	8	.020		
15	29.72	29.94	34.7	37.2	30.1	42.2	0.3	1.5	.196	.193	97	87	Calm	0 NNE 0.5	10	10	.010	Overcast all day.	
16	30.18	30.19	31.6	29.4	23.6	40.8	2.3	0.2	.127	.157	71	97	Calm	0	9	10	—		
17	30.13	29.97	31.9	36.9	25.9	38.9	1.1	0.7	.154	.205	85	94	S 0.5	SSE 0.5	9	10	.040		
18	29.76	.53	39.0	40.9	36.3	41.1	1.5	0.8	.209	.238	88	94	SSE 2	SSE 1	10	10	.020	Overcast all day.	
19	.14.	.00	40.1	36.3	35.1	45.9	0.8	0.5	.231	.205	93	96	SSW 0.5	SSW 1	10	10	.320		
20	.14	.29	39.3	30.6	29.9	43.2	1.5	0.3	.211	.164	88	96	N 0.5	NW 0.5	8	7	—		
21	.47	.29	28.8	35.3	23.6	42.4	0.3	0.1	.150	.205	95	99	Calm	0 SE 2	7	10	.110		
22	.21	.46	41.8	40.7	33.2	43.2	1.4	1.6	.236	.220	89	87	SE 5	ESE 2	10	10	.040	Overcast all day.	
23	29.74	.98	40.2	41.6	37.3	44.9	1.0	1.7	.228	.228	92	87	NNE 0.5	NE 3	10	10	—	Overcast all day.	
24	30.07	.94	30.9	27.3	26.2	42.2	0.0	0.0	.173	.149	100	100	E 0.5	Calm	0	4	7	.020	☾ ☽
25	29.68	.52	34.9	37.6	24.3	45.1	0.7	0.3	.189	.219	93	97	SSW 2	SW 1	10	10	.100		
26	.52	.36	41.4	47.7	36.0	46.0	1.4	0.6	.231	.315	89	96	NW 1	SSW 1	8	10	.250		
27	.18	.45	50.3	44.2	43.6	50.6	0.5	0.2	.355	.285	97	98	SSW 2	SE 1	10	10	.570	Overcast all day.	
28	.27	.50	41.2	35.8	35.0	46.6	1.9	1.1	.219	.191	85	91	WSW 2	SSW 2	10	8	.030	☾ 2 in past n.	
29	.59	.56	34.3	33.1	31.2	44.4	0.2	0.3	.194	.182	98	96	SE 0.5	SE 0.5	7	8	.010		
30	.45	.62	34.3	37.9	29.3	41.1	0.0	0.6	.198	.208	100	95	SSE 0.5	NNE 0.5	10	7	.140		
31	29.67	29.84	38.2	49.5	33.0	49.5	0.0	1.2	.230	.323	100	91	SSW 0.5	SSW 0.5	10	10	.020		
Mean	29.503	29.516	39.7	39.3	34.1	45.8	1.2	0.8	.224	.228	90.4	93.5	1.2	1.3	8.7	9.3	4.340		

DUBLIN (PHOENIX PARK).—NOVEMBER 1887.

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

1	28.36	28.66	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Squally. 2 a. 2 p.
2	28.37	28.67	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
3	28.38	28.68	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
4	28.39	28.69	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
5	28.40	28.70	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
6	28.41	28.71	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
7	28.42	28.72	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
8	28.43	28.73	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
9	28.44	28.74	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
10	28.45	28.75	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
11	28.46	28.76	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
12	28.47	28.77	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
13	28.48	28.78	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
14	28.49	28.79	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
15	28.50	28.80	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
16	28.51	28.81	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
17	28.52	28.82	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
18	28.53	28.83	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
19	28.54	28.84	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
20	28.55	28.85	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
21	28.56	28.86	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
22	28.57	28.87	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
23	28.58	28.88	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
24	28.59	28.89	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
25	28.60	28.90	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
26	28.61	28.91	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
27	28.62	28.92	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
28	28.63	28.93	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
29	28.64	28.94	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
30	28.65	28.95	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.
Mean	28.66	28.96	47.3	46.1	43.0	50.6	1.0	3.1	302	243	93	78	SE	3	SSE	1	10	8	1.150	Beautiful a. 0 showers p.

PARSONSTOWN (BIRR CASTLE).—NOVEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
							Dep. of Wet.		Vapour Tension.		Per-centage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1	ins.	ins.	28°59	40°5	41°0	38°3	50°6	0°8	1°2	in.	235	in.	231	94	90	NW	2	SW	3	10	10	ins.	Squally (force 7-8) 2 n. 2 [showers p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
2	28°46	28°59	40°5	41°0	38°3	50°6	0°8	1°2	235	231	94	90	NW	2	SW	3	10	10	430	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201</

DUNROBIN CASTLE.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	51.3	50.5	40.5	51.3	4.3	1.2	.273	.337	75	92	W	N	—	Cloudy and blowy.
2	29.64	29.88	51.3	50.5	40.5	51.3	4.3	1.2	.273	.337	75	92	W	N	—	Mild and blowy.
3	29.95	30.73	51.5	52.5	49.1	53.3	4.0	5.2	.285	.268	75	69	W	W	—	Fine and mild.
4	30.40	30.60	53.7	39.4	38.4	56.0	5.0	3.8	.285	.171	70	71	W	W	—	Clear and frosty a. * (sleet) showers p.
5	29.66	29.65	32.8	35.5	32.3	42.0	1.0	2.4	.166	.163	89	78	N	N	—	Dull and cloudy.
6	29.58	29.44	35.5	36.1	34.5	40.7	1.2	1.2	.185	.190	89	89	NW	N	—	Cloudy and windy. * showers.
7	28.90	29.03	45.2	34.3	34.0	45.7	3.2	2.2	.231	.156	77	78	S	SW	—	Frosty. * showers.
8	29.16	29.44	34.1	31.3	29.3	37.0	1.0	2.2	.177	.125	89	71	NW	N	—	Frosty. * (sleet).
9	28.86	28.86	23.8	33.8	22.0	33.8	0.0	0.5	.128	.184	100	95	NW	E	—	Fair and clear.
10	29.11	29.59	37.1	29.8	26.7	37.5	3.3	1.7	.161	.121	73	73	NE	N	—	Frosty. * showers.
11	29.71	29.84	27.5	30.3	26.5	34.6	0.7	1.0	.129	.144	87	84	NW	NW	—	Clear and frosty.
12	29.87	29.80	21.1	34.3	20.5	36.5	0.0	0.2	.114	.194	100	98	N	NW	—	Frosty.
13	29.94	29.94	29.5	37.9	27.5	38.0	0.0	4.8	.164	.145	100	64	NW	E	—	Dull, with *.
14	29.04	29.09	41.6	36.1	35.6	44.3	2.3	2.8	.162	.162	83	75	E	E	—	Frosty a. Mild p.
15	29.11	29.17	31.3	41.4	30.0	41.4	0.2	2.8	.172	.205	97	80	S	E	—	
16	29.26	29.14	34.8	34.1	30.5	41.5	0.7	1.6	.188	.165	93	83	NW	N	—	Frosty. * showers.
17	28.83	28.82	34.1	40.6	34.0	40.6	0.8	2.0	.181	.212	91	84	N	NW	—	* (sleet).
18	29.08	29.34	37.6	36.1	35.4	42.0	1.4	2.0	.198	.176	88	82	NW	NW	—	
19	29.34	29.42	34.5	30.5	30.5	39.5	1.4	1.0	.172	.146	86	86	NW	NW	—	
20	29.48	29.68	34.8	37.4	30.5	40.3	1.3	1.2	.176	.200	87	90	N	N	—	1180 * showers.
21	29.72	29.81	36.5	33.3	29.7	38.5	2.0	3.2	.179	.130	83	68	N	N	—	* showers.
22	29.87	29.92	31.3	30.3	26.5	34.2	0.5	0.5	.164	.157	93	93	N	N	—	* and * (sleet).
23	29.78	29.86	31.8	35.3	23.3	41.7	0.3	1.2	.173	.183	97	89	N	N	—	Frosty a. Thaw p.
24	29.97	29.92	35.3	40.2	31.3	43.5	2.0	1.6	.168	.216	81	87	SW	NE	—	
25	29.98	29.92	35.8	34.8	30.5	40.5	0.6	3.7	.199	.136	95	67	N	NW	—	
26	29.90	29.97	40.6	41.4	34.3	41.4	1.4	1.4	.223	.231	89	89	NW	NE	—	Dull and milder. * showers.
27	30.02	30.14	35.8	35.1	33.5	41.4	0.9	0.8	.193	.189	92	92	NE	NE	—	
28	29.22	29.15	31.8	41.4	29.0	41.5	2.5	1.1	.126	.238	70	91	NW	NE	—	Clear and frosty a. Milder p.
29	29.11	29.30	40.6	35.5	34.3	42.7	1.4	0.6	.223	.197	89	95	NW	N	—	Dull and mild.
30	29.27	29.31	37.4	36.1	32.5	40.0	1.8	0.9	.189	.196	85	92	N	NE	—	
31	29.27	29.18	30.5	32.1	30.0	38.5	0.7	0.6	.153	.169	90	93	N	N	—	Clear and frosty.
Mean	29.630	29.653	35.9	36.3	31.3	41.2	1.5	1.8	.186	.182	87.1	83.6	—	—	—	4.200 Clear and frosty.

BRAEMAR.—DECEMBER 1887.

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

1	28.50	28.77	46.5	46.8	40.3	48.7	3.0	2.3	249	266	89	84	SW	2	SW	6	7	8	—	
2	28.80	28.59	47.5	47.7	45.6	48.3	4.0	2.9	239	263	73	80	SW	2	SW	8	8	8	—	Squally p.
3	28.32	28.36	47.5	40.0	39.1	49.5	3.0	1.6	259	215	80	87	SW	10	SW	2	8	9	0.30	ga.
4	28.43	28.48	33.7	33.0	31.4	42.7	2.0	2.6	154	137	80	72	SW	1	SW	2	8	0	—	Fair, clear, and mild.
5	28.37	28.21	36.6	39.6	32.4	40.9	1.2	2.0	194	204	90	84	SW	2	SW	0.5	8	8	0.60	Dull and dark.
6	27.73	27.81	38.6	30.1	29.6	40.9	0.8	0.9	218	144	93	85	SW	8	N	4	10	10	0.350	Dull and dark.
7	27.96	28.24	30.4	29.5	29.4	42.1	0.9	1.3	148	129	87	79	SW	1	SW	0.5	8	0	0.112	* showers.
8	28.26	27.68	19.7	32.7	19.7	35.6	0.5	1.0	688	165	84	89	SW	0.5	SW	0.5	5	10	230	Fair a. * showers p.
9	27.87	28.27	34.0	26.5	26.4	36.4	0.3	1.3	199	104	97	73	NW	2	NW	4	9	9	—	Squally.
10	28.51	28.63	23.0	27.9	22.7	32.7	0.3	0.4	113	141	92	92	W	0.5	W	0.5	6	2	—	Clear and frosty.
11	28.77	28.64	17.7	30.5	16.6	31.7	0.0	0.5	997	158	100	93	W	0.5	W	0.5	0	6	—	Clear a. Dull p.
12	28.69	28.48	28.4	33.5	24.4	33.5	0.7	0.8	136	176	83	92	W	0.5	W	2	5	8	0.70	
13	27.86	27.90	39.6	35.5	32.6	42.8	1.0	1.6	223	178	92	85	SW	2	SW	0.5	10	8	—	
14	27.93	27.91	32.5	36.1	30.7	40.5	0.8	1.5	168	185	91	86	SW	0.5	SW	1	9	8	130	Dull day.
15	28.03	28.00	32.7	35.7	30.7	37.6	1.0	3.7	165	144	89	68	SW	0.5	SW	4	5	10	240	Dull day.
16	27.65	27.69	36.4	38.0	34.8	39.8	0.8	1.7	200	195	93	85	SW	0.5	SW	4	10	3	190	Damp and mild.
17	27.83	27.18	36.8	32.0	32.0	39.5	3.1	1.3	162	151	74	83	NW	4	SW	0.5	8	0	0.10	* showers.
18	28.11	28.18	30.1	32.7	29.6	35.4	1.4	0.4	132	178	78	95	SW	0.5	W	0.5	7	3	0.20	
19	28.30	28.33	34.4	35.0	31.1	37.6	0.5	1.3	189	178	95	87	NW	1	N	1	6	10	260	* and * (sleet) showers.
20	28.36	28.44	32.4	30.4	30.4	37.4	0.7	0.7	170	152	92	90	N	2	N	4	10	10	380	* +
21	28.52	28.57	27.0	25.5	24.2	30.7	1.1	0.8	113	112	77	82	N	1	NE	0.5	8	4	0.10	* showers. (* 18 ins. dep.)
22	28.57	28.54	25.3	36.0	8.9	38.4	0.8	6.5	111	107	81	50	N	0.5	NE	4	8	0	—	Red sky a. * p.
23	28.68	28.76	28.7	39.6	26.6	40.3	1.7	2.0	111	204	71	84	NE	1	SW	1	7	9	—	* showers.
24	28.64	28.68	32.7	33.7	30.8	41.2	0.7	2.6	172	143	92	74	SW	0.5	W	2	9	4	110	* showers.
25	28.59	28.62	36.6	36.6	33.2	39.8	1.0	1.7	197	184	91	85	W	1	SW	0.5	8	5	—	
26	28.69	28.84	29.7	27.9	27.6	38.4	1.7	1.0	120	122	73	80	SW	0.5	SW	0.5	7	2	0.10	* showers.
27	28.88	28.76	20.7	35.5	19.6	35.9	2.2	1.8	951	174	46	84	SW	0.5	SW	0.5	7	4	—	Red sky a. Fair p.
28	28.72	28.82	36.9	25.0	24.6	39.5	0.5	0.5	209	124	96	88	NE	4	NW	4	5	1	—	Fair and clear.
29	28.91	28.93	22.9	34.0	20.4	36.6	0.5	2.1	105	154	85	78	NE	0.5	NE	0.5	6	6	0.10	* showers.
30	28.93	28.86	18.9	14.0	13.4	35.8	0.7	0.3	978	102	77	92	NE	0.5	NE	0.5	1	4	—	Fair and clear.
31	28.71	28.50	13.4	24.0	13.4	32.0	0.7	0.3	961	119	77	92	NE	0.5	NE	0.5	4	6	—	
Mean	28.388	28.402	31.3	33.1	27.5	38.8	1.2	1.6	156	161	84.3	83.1	—	—	—	—	—	—	—	

LAUDALE.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.	Vapour Tension.	Per-centage.											
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.			9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	50.0	51.0	48.0	53.0	1.6	2.0	in.	in.	o/o	o/o	NW	4	WSW	4	10	10	ins. 430	☁ (mist) ● ² .
2	29.79	29.92	51.0	51.2	49.7	52.9	2.9	1.4	.319	.323	89	86	WSW	5	WSW	7	10	10	180	☁ all day. ● ² showers ☁ (mist).
3	29.67	.65	50.7	40.1	39.8	52.0	1.8	0.7	.324	.233	87	94	WSW	8	W	1	10	10	720	☁ during day. ☁ (mist).
4	.78	.75	36.0	39.1	34.0	40.1	0.6	2.1	.201	.198	95	83	Calm	0	NW	1	9	6	510	☁ Showers of ☁, ☁ and ☁ (sleet).
5	29.63	.46	43.7	45.3	38.7	46.9	2.1	1.4	.239	.270	83	89	WNW	1	W	2	10	10	920	☁ Snow on the hills. ● showers. ☁ 3p.
6	28.87	.07	43.0	35.0	33.0	46.9	2.6	1.0	.231	.184	80	90	SW	3	W	5	10	10	480	☁ ☁ ☁ showers at night, with ☁ (gale).
7	29.26	29.51	38.1	35.5	31.7	38.5	3.4	1.4	.167	.182	73	87	W	4	WNW	2	10	10	250	☁ ☁ ☁ showers, with ☁.
8	.43	28.77	32.4	47.0	31.7	47.7	1.4	2.0	.153	.275	83	86	NE	2	WSW	2	6	10	490	Much cir. fast from WNW, ga. ☁ ² p.
9	.15	29.57	36.0	33.5	31.7	47.0	0.9	2.3	.195	.147	92	77	N	1	NNW	2	9	1	050	☁ ☁ showers.
10	.76	.86	26.4	28.3	24.7	33.5	0.1	0.3	.140	.146	98	95	Calm	0	Calm	0	8	2	050	☁ ☁ showers a. and p. ☁ showers.
11	.93	.87	29.9	40.0	24.6	40.0	0.2	3.0	.163	.189	97	76	Calm	0	W	2	9	2	150	☁ ☁ 2 ins. deep ga. ☁ ☁ (sleet).
12	29.96	.53	30.9	39.0	29.7	40.4	1.0	3.0	.148	.181	85	77	E	1	SE	5	10	1	330	☁ ☁ n. ∞ ga. Fine day. ☁ ga.
13	28.91	29.07	46.0	39.9	35.7	49.1	1.1	2.7	.285	.194	92	79	ESE	6	NW	1	10	2	700	☁ ☁ (mist) ☁
14	29.01	28.95	39.0	42.0	37.1	42.5	0.2	1.7	.184	.220	98	87	N	1	S	6	7	10	260	Squally ☁ a. ☁ ☁ showers p.
15	29.27	29.08	33.0	40.9	31.7	42.5	0.2	1.7	.262	.230	86	79	SW	5	WSW	5	9	8	1150	☁ ☁ (mist) p. ☁ ☁ at night.
16	28.78	28.97	45.9	44.0	39.0	47.7	2.1	2.7	.201	.198	74	90	WNW	8	Calm	0	10	9	320	☁ ☁ ☁ showers all day. ☁ ☁ (mist).
17	29.32	29.42	42.6	37.0	36.9	45.6	3.6	1.1	.201	.230	90	88	SW	1	Calm	0	10	0	120	☁ n. and s. ☁ ☁ ga.
18	.41	.49	34.5	28.0	26.7	38.6	1.9	0.7	.163	.131	81	86	Calm	0	Calm	0	10	0	—	☁ ☁ showers all day. ☁ p.
19	.52	.67	38.2	39.0	26.0	40.4	1.2	1.5	.206	.209	90	88	SW	1	NNW	2	7	2	—	☁ a. and p.
20	.72	.80	35.0	30.9	30.1	39.2	2.0	1.9	.164	.138	80	73	N	1	Calm	0	7	0	—	☁ a. and p.
21	.88	.92	28.5	24.6	23.7	31.9	1.6	0.6	.112	.112	72	84	N	1	Calm	0	7	0	—	☁ Large ☁ ga.
22	29.90	.87	34.2	41.0	23.0	45.9	1.4	0.8	.170	.239	85	94	SSE	2	Calm	0	10	8	270	☁ ☁ n. and from ga. ☁ ☁ later. ☁ ga.
23	30.01	.92	32.7	43.9	30.9	44.2	0.6	0.9	.174	.266	93	93	NE	1	NW	1	6	8	040	☁ ☁ (mist) p.
24	29.98	30.06	40.2	30.0	28.7	43.9	1.3	0.1	.222	.164	89	98	Calm	0	Calm	0	7	3	—	☁ ☁ (mist) ga.
25	.93	30.07	42.8	34.2	29.1	43.9	1.8	0.2	.236	.194	86	98	WNW	1	Calm	0	9	0	—	☁ ☁ (mist) till noon, then clear.
26	.99	30.05	33.9	36.2	31.0	36.5	2.4	1.9	.188	.178	87	83	Calm	0	SE	1	10	3	—	—
27	30.22	.19	31.0	37.1	28.7	37.2	2.0	2.2	.127	.179	72	81	Calm	0	NW	1	0	6	—	—
28	.11	.12	38.0	37.2	36.3	40.5	1.1	1.0	.208	.202	90	91	NW	1	Calm	0	5	10	—	—
29	.25	.28	31.8	30.6	28.9	38.0	0.9	0.6	.168	.156	89	91	Calm	0	Calm	0	2	7	—	—
30	30.27	30.19	31.3	34.3	26.7	34.9	0.3	0.8	.169	.182	95	92	Calm	0	Calm	0	10	7	—	—
31	29.99	29.74	34.5	38.3	32.4	39.1	0.8	1.3	.182	.205	92	89	Calm	0	W	2	7	10	—	—
Mean	29.672	29.690	37.5	37.9	32.3	42.6	1.5	1.5	.200	.203	86.7	86.6	2.0	—	1.8	7.8	6.3	8.970	—	—

GLASGOW.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	49° 9	48° 8	43° 7	51° 7	3° 4	1° 8	in.	in.	SW 4	S 1	9	10	ins.	Cloudy, with squally showers.
2	29° 71	29° 84	49° 9	48° 8	43° 7	51° 7	3° 4	1° 8	in.	in.	SSW 1	S 1	10	10	0.018	Overcast, with squally showers.
3	29° 62	29° 65	48° 8	43° 6	41° 4	49° 9	2° 4	0° 6	in.	in.	SSW 2	WSW 1	10	10	0.164	Overcast, with squally showers.
4	29° 56	29° 56	46° 1	43° 6	31° 6	46° 4	0° 7	0° 7	in.	in.	SW 1	SSE 1	10	1	0.016	0° a.
5	29° 53	29° 53	41° 8	41° 7	31° 3	45° 4	1° 4	0° 7	in.	in.	SSW 1	SSW 1	7	10	0.340	Dull and cloudy.
6	28° 84	28° 95	42° 3	33° 4	31° 1	45° 3	1° 4	0° 9	in.	in.	SSE 2	WSW 1	10	10	0.668	0° a.
7	29° 13	29° 39	32° 8	32° 5	29° 2	40° 0	0° 8	0° 5	in.	in.	SW 1	SSW 1	8	4	0.070	0° a.
8	29° 30	28° 68	31° 6	35° 3	28° 3	47° 7	0° 1	0° 3	in.	in.	NNE 1	SSW 1	10	8	0.700	Overcast.
9	28° 89	29° 40	37° 3	30° 4	27° 8	45° 2	1° 8	1° 4	in.	in.	WNW 1	SW 1	6	1	—	0° a.
10	29° 61	29° 71	30° 5	30° 0	26° 2	45° 7	0° 8	0° 8	in.	in.	SW 1	WSW 1	5	1	0.024	0° a.
11	29° 70	29° 75	27° 6	34° 3	24° 4	35° 5	0° 6	0° 6	in.	in.	N 1	S 1	10	2	0.034	Dull and cloudy.
12	29° 81	29° 44	29° 9	34° 9	27° 0	36° 0	0° 3	2° 6	in.	in.	NNE 1	ENE 1	10	10	0.290	Dull and overcast.
13	28° 90	28° 99	44° 9	40° 8	30° 8	48° 4	1° 2	2° 0	in.	in.	SSE 1	S 1	10	1	0.040	0° a. Dull and cloudy.
14	28° 93	28° 83	36° 0	38° 3	32° 5	46° 9	1° 8	1° 5	in.	in.	SSE 1	NE 1	5	10	0.019	0° a.
15	29° 08	29° 03	33° 9	41° 3	30° 6	41° 7	0° 6	1° 2	in.	in.	SW 1	SSE 1	0	10	0.329	Fine. Overcast, with showers.
16	28° 73	28° 87	44° 1	41° 4	37° 2	46° 8	2° 0	2° 1	in.	in.	S 1	SW 2	9	2	0.418	Overcast, with showers.
17	29° 13	29° 31	39° 5	34° 7	31° 6	43° 1	3° 5	0° 8	in.	in.	SW 3	SSW 1	8	10	0.260	Cloudy, with squally showers.
18	29° 26	29° 30	33° 6	28° 3	26° 0	37° 9	1° 5	0° 7	in.	in.	WSW 1	SW 1	2	0	—	0° a. before 9 a.
19	29° 33	29° 44	34° 9	39° 3	25° 5	40° 0	1° 3	3° 8	in.	in.	SSW 1	WNW 1	7	4	—	Fine day.
20	29° 47	29° 55	36° 1	34° 7	31° 6	41° 4	2° 9	3° 6	in.	in.	W 1	WNW 1	8	2	—	Fine day.
21	29° 64	29° 72	34° 7	27° 8	25° 7	37° 9	4° 5	0° 5	in.	in.	N 1	SSW 1	3	0	—	Fine day.
22	29° 77	29° 68	24° 3	36° 8	20° 2	38° 6	0° 1	0° 3	in.	in.	WNW 1	NNE 1	10	10	0.250	Overcast.
23	29° 82	29° 70	31° 6	41° 3	28° 6	41° 9	0° 2	1° 0	in.	in.	SW 1	WNW 1	40	4	—	0° a.
24	29° 77	29° 87	32° 8	31° 3	29° 3	42° 6	0° 8	1° 0	in.	in.	ENE 1	WSW 1	40	1	—	0° a. Fine day.
25	29° 74	29° 75	36° 3	38° 4	30° 4	41° 6	1° 1	1° 6	in.	in.	S 1	E 1	9	10	—	Fine day.
26	29° 81	29° 84	33° 9	35° 4	31° 4	39° 5	0° 7	1° 0	in.	in.	NNE 1	NE 1	10	10	—	Dull and overcast.
27	29° 03	29° 04	30° 3	33° 7	26° 3	36° 5	1° 0	2° 6	in.	in.	NNE 1	WSW 1	10	10	—	Overcast all day.
28	29° 89	29° 95	34° 1	34° 8	30° 0	41° 4	1° 6	1° 3	in.	in.	W 2	WNW 1	7	10	—	Fine day.
29	29° 04	29° 09	34° 5	35° 1	29° 4	38° 4	1° 3	1° 6	in.	in.	N 1	WSW 1	8	10	—	Fine day.
30	29° 08	29° 01	32° 6	28° 3	25° 4	40° 9	0° 9	1° 8	in.	in.	SW 1	WNW 1	8	8	0.020	Fine day.
31	29° 84	29° 63	32° 9	35° 1	26° 2	36° 5	0° 9	1° 6	in.	in.	N 1	SW 1	10	10	0.030	Dull and overcast.
Mean	29° 516	29° 520	36° 2	36° 1	30° 2	42° 6	1° 4	1° 4	in.	in.	1° 3	1° 0	8° 0	6° 4	3° 28	

WOLFELEE.—DECEMBER 1887.

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

1	29° 28	29° 41	46° 0	46° 0	38° 0	49° 8	2° 4	1° 4	257	278	83	90	SW	SW	—	—	Dull and blowy.
2	29° 54	29° 37	47° 0	47° 0	43° 4	47° 5	2° 4	1° 9	266	277	83	87	SW	SW	—	—	Fine and blowy a. Dull and blowy p.
3	29° 22	29° 06	46° 0	47° 0	43° 4	47° 5	1° 4	1° 9	258	277	80	87	SW	SW	—	—	Very blowy a. Blowy, with p.
4	29° 09	29° 20	34° 0	30° 0	32° 0	48° 0	1° 2	0° 2	172	161	87	97	NE	SW	—	—	Dull, with a. Fine and clear p.
5	29° 12	28° 99	36° 0	40° 5	36° 0	47° 5	0° 7	0° 9	199	233	94	93	SW	NW	—	—	showers a. Dull and blowy.
6	28° 49	28° 52	40° 0	33° 5	33° 0	42° 0	1° 4	1° 7	218	158	89	82	SW	W	—	—	0° a. Dull and blowy p.
7	29° 71	29° 05	30° 0	29° 0	26° 0	40° 5	0° 7	0° 2	148	154	88	96	W	W	—	—	in past a. Day fine and clear.
8	29° 80	29° 28	29° 0	41° 5	36° 0	35° 5	0° 2	0° 9	154	243	96	93	WSW	S	—	—	Fine and clear a. Dull, with p.
9	28° 43	28° 93	41° 0	28° 0	29° 0	43° 0	1° 4	2° 2	227	093	89	61	WNW	NW	—	—	Dull, with a. Fine and clear p.
10	29° 15	29° 23	28° 0	27° 0	20° 5	41° 5	0° 7	0° 2	131	140	86	95	W	W	—	—	Fine and clear.
11	29° 30	29° 31	22° 5	29° 5	20° 0	34° 0	0° 0	0° 7	121	145	100	88	W	W	—	—	Clear and frosty a. Dull and blowy p.
12	29° 34	29° 04	27° 5	30° 0	22° 5	33° 0	0° 2	0° 0	144	167	96	100	SW	SE	—	—	Fine a. Dull and blowy p.
13	28° 54	28° 58	41° 5	35° 5	27° 5	42° 0	0° 9	0° 7	243	195	93	94	SW	SW	—	—	Dull and fresh a. Cloudy p.
14	29° 36	29° 45	34° 0	37° 0	29° 0	41° 5	0° 2	1° 2	192	196	88	89	SW	SW	—	—	Stormy a. Dull, with p.
15	29° 62	29° 64	36° 5	40° 0	32° 0	38° 0	0° 7	1° 2	202	222	94	90	E	W	—	—	Fine and clear a. Dull and blowy p.
16	29° 35	29° 47	44° 0	40° 0	31° 0	45° 5	1° 4	3° 2	257	186	81	95	SW	SW	—	—	Stormy a. Blowy p.
17	29° 72	29° 88	38° 0	34° 0	34° 0	44° 5	2° 2	0° 5	187	186	81	95	NW	NW	—	—	Fine and blowy a. showers p.
18	29° 81	29° 78	32° 0	23° 0	20° 5	41° 8	1° 2	0° 0	153	123	84	100	NW	NW	—	—	showers.
19	29° 83	29° 91	32° 0	33° 5	21° 0	34° 5	0° 2	0° 7	177	178	97	92	W	NW	—	—	Dull, with a. Dull and blowy p.
20	28° 93	29° 03	34° 0	33° 5	26° 5	37° 0	1° 7	1° 7	162	158	82	82	N	NE	—	—	Dull and blowy.
21	29° 09	29° 22	34° 5	25° 0	26° 5	36° 5	0° 2	0° 2	196	127	98	94	NNE	N	—	—	Cloudy a. Fine and clear p.
22	29° 32	29° 21	14° 5	35° 0	10° 5	34° 5	0° 2	1° 3	078	180	93	88	W	SW	—	—	Clear and frosty a. p.
23	29° 36	29° 23	24° 0	36° 0	11° 0	37° 0	0° 2	0° 2	121	208	94	98	E	SW	—	—	Clear and frosty.
24	29° 29	29° 37	33° 5	36° 0	24° 0	38° 0	0° 7	1° 2	175	189	90	89	N	SW	—	—	Fine, clear, and frosty.
25	29° 23	29° 25	36° 0	37° 0	24° 0	37° 0	1° 2	2° 2	189	179	89	81	SW	SW	—	—	Cloudy a.
26	29° 34	29° 48	36° 5	20° 0	31° 0	41° 0	2° 7	0° 0	167	108	77	100	SW	S	—	—	Dull, with a.
27	29° 54	29° 43	24° 5	32° 0	17° 0	36° 5	0° 0	2° 2	132	133	100	73	SE	NW	—	—	Cloudy a.
28	29° 34	29° 46	37° 5	33° 5	24° 0	38° 0	1° 2	0° 7	201	178	90	92	N	SW	—	—	Dull day. (sleet) p.
29	29° 55	29° 59	33° 0	34° 2	30° 0	38° 0	0° 2	0° 4	183	190	97	86	SW	NE	—	—	Dull, with showers p.
30	29° 59	29° 55	33° 5	30° 0	31° 0	36° 0	0° 7	0° 7	177	148	92	88	NE	NW	—	—	Dull and blowy p.
31	29° 39	29° 19	33° 0	33° 8	26° 0	36° 0	1° 7	1° 5	153	164	81	84	SW	SW	—	—	
Mean	29° 062	29° 064	34° 2	34° 1	27° 1	40° 1	1° 0	1° 0	183	180	90° 3	89° 3	—	—	—	—	3° 560

SCARBOROUGH.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.		Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	SW	3	SW	4	9	2	ins.	Fine and mild.
1	29° 81	30° 01	47° 5	47° 6	39° 3	50° 3	1° 5	1° 7	° 292	° 288	90	88	SW	5	SW	5	5	8	—	Fine and bright.
2	30° 10	29° 99	47° 0	46° 0	44° 0	48° 3	1° 1	1° 2	° 296	° 283	92	92	SW	5	SW	5	1	4	° 110	Dull. Bright later.
3	29° 77	° 67	43° 5	43° 7	42° 0	47° 7	0° 7	0° 5	° 267	° 272	94	96	SW	7	SW	8	1	4	° 110	Bright and frosty. Dull later.
4	° 48	° 68	43° 5	35° 1	35° 1	44° 5	1° 1	0° 4	° 258	° 196	91	96	SW	4	SW	2	10	1	° 130	Dull and cold, with ●.
5	° 68	° 59	31° 6	39° 7	30° 0	39° 8	0° 1	0° 6	° 175	° 231	99	95	SW	3	SW	4	3	9	° 130	Brilliant day. ✱
6	° 23	° 05	38° 7	35° 9	35° 0	40° 3	1° 0	1° 1	° 215	° 188	92	90	SW	2	W	2	5	0	° 110	Brilliant day. ✱
7	° 26	29° 44	31° 6	31° 2	30° 2	36° 3	0° 4	0° 7	° 168	° 158	95	91	SW	2	W	2	5	0	° 110	Brilliant day. ✱
8	29° 44	28° 53	34° 6	44° 0	30° 0	44° 0	0° 1	0° 2	° 198	° 284	99	98	SW	2	SE	4	9	10	° 050	Brilliant day.
9	28° 02	29° 35	43° 1	35° 6	35° 0	47° 6	1° 7	2° 5	° 241	° 161	86	77	W	5	NW	3	1	0	° 050	Brilliant and frosty.
10	29° 69	° 74	29° 1	32° 2	27° 5	38° 0	2° 1	0° 9	° 105	° 162	66	89	SW	3	SW	3	8	0	° 130	Bright and dry.
11	° 81	° 78	29° 6	28° 6	27° 0	34° 3	0° 8	0° 6	° 142	° 139	86	89	SW	3	SW	3	8	0	° 080	Bright. ✱ later.
12	° 91	° 69	26° 6	30° 6	23° 0	30° 8	0° 0	0° 1	° 145	° 168	100	99	S	3	SW	2	0	10	° 080	Damp and gusty.
13	° 23	° 08	40° 8	42° 7	30° 0	47° 3	0° 0	1° 2	° 255	° 248	100	90	SE	6	SE	2	10	10	° 070	Brilliant day.
14	° 21	° 00	34° 6	38° 2	32° 5	47° 6	0° 3	0° 3	° 194	° 235	97	97	SE	4	SW	2	5	10	° 050	Brilliant and frosty.
15	29° 01	° 28	37° 9	35° 6	34° 0	41° 0	0° 0	0° 4	° 228	° 200	100	97	W	2	SW	2	10	10	° 050	Brilliant and frosty.
16	28° 04	° 00	48° 5	43° 1	35° 0	49° 0	1° 0	0° 9	° 316	° 258	94	93	SW	8	SW	3	6	0	° 040	Brilliant and fresh.
17	29° 25	° 38	40° 1	36° 5	36° 0	44° 5	1° 8	0° 5	° 212	° 266	85	96	SW	5	SW	3	7	0	° 040	Bright, with cold wind.
18	° 34	° 21	34° 6	31° 6	31° 0	36° 6	0° 4	1° 1	° 192	° 152	96	86	SW	3	NW	2	5	4	° 250	✱ showers.
19	° 28	° 35	34° 1	33° 4	30° 6	36° 7	0° 4	2° 0	° 214	° 193	96	83	NW	1	NW	2	5	4	° 160	Dark and raw, with ●.
20	° 31	° 39	37° 2	38° 3	32° 7	39° 0	0° 4	2° 0	° 206	° 204	99	97	NW	1	N	2	10	4	° 040	✱ showers.
21	° 48	° 59	35° 6	35° 9	32° 7	38° 9	0° 1	0° 4	° 186	° 156	100	94	NW	2	SW	4	0	10	° 030	Brilliant and cold.
22	° 77	° 72	32° 8	30° 1	28° 0	36° 8	0° 0	0° 4	° 189	° 194	77	97	NE	3	NW	2	8	10	° 050	Fine day.
23	° 79	° 66	39° 9	34° 6	29° 0	41° 0	2° 9	0° 3	° 207	° 204	96	85	W	3	NE	3	9	9	° 080	✱ showers.
24	° 69	° 77	36° 7	39° 2	34° 3	41° 7	0° 5	1° 8	° 207	° 204	96	85	W	3	NE	3	9	9	° 080	Brilliant day. ✱ at night.
25	° 69	° 73	35° 8	37° 7	33° 3	41° 1	1° 2	0° 7	° 187	° 212	89	94	W	2	N	2	3	10	° 250	✱ showers.
26	29° 87	° 89	31° 3	34° 4	30° 0	37° 8	1° 4	2° 1	° 143	° 157	81	79	E	1	NE	2	1	10	° 010	Raw, with ● a. Brilliant p.
27	30° 00	° 83	33° 8	32° 4	30° 0	35° 3	0° 5	0° 0	° 184	° 184	94	100	NE	1	W	4	9	10	° 050	✱ showers.
28	29° 82	° 94	34° 5	34° 6	31° 7	39° 0	0° 0	1° 9	° 199	° 163	100	81	E	1	NE	1	3	10	° 070	✱ showers.
29	30° 03	29° 08	29° 5	39° 3	26° 4	40° 3	0° 9	1° 1	° 138	° 218	85	92	SW	2	N	3	10	1	—	✱ showers.
30	30° 02	30° 05	39° 1	35° 6	34° 0	40° 4	1° 0	0° 1	° 218	° 206	92	99	N	2	NW	2	4	9	—	✱ showers.
31	29° 05	29° 74	33° 2	33° 1	33° 0	40° 3	1° 0	0° 6	° 168	° 176	89	94	SW	2	SW	2	10	10	—	✱ showers.
Mean	29° 573	29° 562	36° 7	36° 7	32° 3	41° 2	0° 8	0° 9	° 204	° 202	91° 8	91° 6	3° 1	2° 9	6° 1	6° 1	2° 140			

STONYHURST.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.	Vapour Tension.	Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	40°3	47°0	42°2	48°2	1°3	1°3	.283	.291	91	91	WSW 2	WSW 2	10	10	ins.	Overcast and gloomy.
2	29°73	29°92	45°5	45°1	44°7	47°6	1°2	1°9	.277	.256	91	85	WbyS 1	swb.w 3	10	10	—	Overcast and gloomy.
3	.68	.49	41°2	42°8	40°0	48°6	0°8	1°7	.242	.238	94	87	swbyW 1	WSW 1	0	10	.050	Clear and warm.
4	.32	.52	44°0	32°5	31°6	44°4	0°4	1°4	.279	.154	97	83	swbys 1	Calm 0	10	2	.050	● a. Overcast and gloomy.
5	29°53	29°40	32°5	39°9	26°9	42°0	1°3	1°7	.156	.212	84	87	Calm 0	NNE 1	0	10	—	— a. Fine a. Overcast and gloomy p.
6	28°88	28°92	40°2	36°4	33°1	41°7	2°6	2°4	.198	.171	80	79	SbyE 6	swbyw 3	10	10	.345	Overcast and very squally a. ✱
7	29°10	29°33	35°0	36°0	32°3	37°4	2°5	1°9	.156	.177	76	83	WbyS 4	WbyS 2	7	10	.355	Frequent ✱ showers.
8	29°20	28°70	35°5	47°9	34°5	47°9	1°4	0°0	.181	.323	87	98	SbyE 1	WbyS 5	10	10	.600	Overcast, with ● showers. / ● 2 p.
9	28°84	29°24	44°7	38°1	35°4	47°9	3°2	4°1	.227	.156	77	67	WSW 5	WSW 1	10	10	—	Overcast. a. Fine and sunny p.
10	29°49	.55	29°1	31°6	26°9	38°3	2°1	0°1	.105	.176	68	99	Calm 0	Calm 0	0	0	.014	Fine and frosty a. Dull and overcast p.
11	.61	.66	30°0	26°6	25°0	33°6	0°6	1°0	.150	.113	90	79	Calm 0	Calm 0	10	10	.020	✱ 0 a. Overcast. ☼ p.
12	29°67	29°36	29°1	33°9	23°9	33°9	0°5	2°0	.146	.155	91	80	Calm 0	NE 1	7	10	.220	Fine a. Overcast and gloomy p.
13	28°88	28°92	47°2	38°8	35°0	49°8	1°2	1°4	.295	.209	92	89	SbyE 5	WbyS 1	10	10	.287	Overcast, with ●.
14	.94	28°70	35°3	39°1	33°2	40°7	1°2	0°5	.183	.229	89	96	S 4	SSE 4	10	10	.055	Fine and sunny a. Overcast, with ● p.
15	.89	29°06	37°8	41°0	36°9	41°7	1°0	1°6	.208	.223	92	87	NNW 1	sw b.s 1	8	10	.520	Fine and sunny p.
16	28°77	28°88	40°5	43°5	39°2	48°4	1°7	1°4	.277	.251	88	89	SW 3	WSW 3	10	5	.050	Fine and sunny a.
17	29°18	29°26	40°3	38°4	37°0	43°9	2°9	2°3	.193	.188	77	82	WSW 5	W 5	7	8	.100	Fine and sunny p. ▲ 10p.
18	.30	.05	37°5	33°0	32°2	39°4	3°2	1°0	.166	.167	73	89	W 6	WbyN 6	8	10	.222	▲ 7a. Overcast. ✱ p.
19	.11	.21	30°9	30°0	27°7	36°4	1°0	0°2	.148	.161	85	97	Calm 0	WSW 1	7	6	.030	✱ 0 1p. T 1.35p.
20	.18	.23	36°5	36°2	27°9	37°1	2°6	2°7	.168	.165	78	77	NW 1	nwb.N 3	9	5	—	< 7p.
21	.33	.45	34°2	30°1	28°7	36°2	2°4	2°2	.152	.113	78	67	N 2	nwb.N 1	7	4	—	Fine and sunny.
22	.61	.59	29°0	32°0	24°2	32°3	0°3	1°2	.137	.153	93	84	Calm 0	WSW 1	0	10	.060	Very fine day.
23	.63	.56	32°5	37°6	30°3	37°7	0°3	0°9	.177	.208	97	92	Calm 0	swbys 1	0	10	—	Fine and sunny.
24	.56	.64	38°1	35°0	34°5	41°6	2°3	2°7	.186	.153	80	75	NbyW 1	NW 1	9	10	—	Fine and sunny.
25	.55	.52	33°4	38°1	30°3	39°5	1°1	2°5	.169	.182	88	79	Calm 0	NNE 1	8	10	.005	Fine p.
26	.67	.73	32°5	28°0	27°6	38°1	0°5	1°5	.174	.110	94	72	Calm 0	nbyx 1	10	0	—	✱ 8.15a.-9.50a. Overcast and threatening
27	.80	.73	25°8	31°1	24°2	32°1	0°8	2°2	.113	.124	80	70	NNE 1	NW 1	0	10	.024	Fine and frosty. ✱ p.
28	.62	.74	36°8	33°1	28°9	38°9	1°8	1°1	.184	.166	85	88	nbyx 1	Calm 0	10	10	—	Overcast and threatening.
29	.86	.83	27°9	35°0	23°9	35°0	1°8	3°0	.102	.148	67	72	Calm 0	SSE 1	10	10	—	Overcast and frosty.
30	.86	.86	36°0	34°7	33°9	38°1	2°1	2°4	.173	.156	81	77	NNW 1	Calm 0	10	10	—	Overcast and gloomy.
31	29°73	29°53	33°5	33°0	32°5	34°7	1°1	1°8	.169	.151	88	80	WSW 1	S 1	10	10	.058	✱ 9.30a.-1p. Dull and overcast.
Mean	29°401	29°401	36°2	36°3	31°7	40°4	1°5	1°7	.186	.183	84°8	83°2	1°8	1°7	7°3	8°4	3°055	

HILLINGTON.—DECEMBER 1887.

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

1	30.03	30.21	43.0	47.0	34.3	49.3	0.6	0.4	273	312	95	97	W 3	W 2	10	10	0.010	Breezy and cloudy. ☁ p.
2	30.03	30.21	43.0	47.0	34.3	49.3	0.6	0.4	273	312	95	97	W 3	W 2	10	10	0.002	Cloudy. Fine, with much cir. later.
3	30.04	30.22	42.8	46.9	40.1	44.3	0.8	0.2	257	251	94	91	SW 5	W 5	10	10	0.002	Overcast all day.
4	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
5	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
6	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
7	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
8	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
9	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
10	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
11	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
12	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
13	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
14	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
15	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
16	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
17	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
18	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
19	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
20	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
21	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
22	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
23	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
24	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
25	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
26	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
27	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
28	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
29	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
30	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
31	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.
Mean	29.71	29.84	41.2	40.0	40.0	46.1	0.2	0.1	254	245	95	99	W 2	NW 1	10	10	0.160	Overcast a. ☁ p.

CHURCHSTOKE.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.	Vapour Tension.	Per-centage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
	ins.	ins.	46.9	46.8	43.1	50.5	1.2	1.9	.293	.275	92	86	WNW 2	SE 1	10	10	ins.	Gloomy. Fine and warm later.
1	29.60	29.77	45.8	44.8	38.0	48.3	1.9	1.9	.264	.253	85	85	W 1	W 2	10	9	—	Clear and spring-like.
2	.86	.76	45.8	44.8	38.0	48.3	1.9	1.9	.264	.253	85	85	W 1	W 1	5	5	—	Fine and bright.
3	.55	.35	46.6	46.8	39.8	51.9	2.7	0.0	.256	.235	81	93	W 1	W 2	9	9	.124	● p.
4	.18	.34	47.2	37.7	36.8	50.9	2.3	0.8	.271	.210	84	93	E 1	NW 2	2	9	.234	— Bright and sharp.
5	29.37	29.89	28.0	42.8	26.1	45.6	1.0	1.1	.122	.250	80	92	E 1	W 2	0	10	.088	— 2.
6	28.65	28.83	38.7	32.7	32.0	43.9	1.2	0.8	.101	.168	90	91	SW 5	NW 2	9	2	.090	✱ a. Very cold.
7	29.02	29.22	33.1	34.9	30.0	39.0	1.0	1.2	.168	.170	89	88	W 3	W 1	9	2	.128	Cold and raw.
8	28.05	28.63	37.3	51.9	33.1	52.6	0.6	0.9	.211	.362	95	94	ESE 3	SW 4	10	10	.106	✱ ●. Gusty.
9	28.83	29.09	45.3	39.6	37.0	52.7	3.6	0.9	.225	.225	75	93	WNW 3	NW 1	9	5	.108	Cold and raw.
10	29.26	.39	32.9	31.9	30.6	40.1	1.1	0.8	.164	.161	88	89	E 1	NW 1	10	8	—	Very cold wind.
11	.39	.48	33.1	32.9	29.0	39.5	1.8	1.0	.151	.166	80	89	E 3	E 2	10	10	.220	Bitter wind. ● p.
12	29.47	29.07	29.9	38.8	27.2	39.0	0.2	0.9	.160	.218	97	93	E 2	SE 6	10	10	.330	Squally and mild.
13	28.70	28.83	48.1	37.7	36.0	50.0	1.2	1.8	.306	.191	91	84	SSW 4	SE 2	10	2	.750	● 2.
14	.78	.54	35.9	36.7	33.0	42.1	0.4	0.8	.203	.201	97	93	SSE 3	SSE 3	9	6	.128	Squally.
15	.65	.90	42.6	43.8	35.8	47.0	1.9	0.9	.232	.265	85	93	W 2	SE 5	10	10	.138	Cool and cloudy.
16	28.74	28.80	48.0	41.8	41.0	50.7	3.7	1.9	.249	.225	75	85	SW 4	SW 4	6	8	—	Cold and raw. ✱ ● (sleet).
17	29.15	29.16	39.2	37.4	35.2	42.2	2.5	1.7	.191	.190	80	86	W 2	W 2	8	0	.239	Cold and threatening. ✱ 2.
18	29.15	28.93	38.7	33.9	33.0	41.0	2.4	1.0	.188	.174	81	89	NW 3	NW 3	10	6	.010	Gloomy and cold.
19	28.98	29.05	34.4	32.9	28.8	35.2	0.7	0.8	.184	.170	93	91	NW 3	NW 2	10	10	.010	Overcast and threatening.
20	29.02	.05	34.8	34.9	29.4	36.8	0.9	1.2	.184	.179	91	88	NW 1	NE 2	10	10	.010	Gloomy and cold.
21	.14	.26	33.7	29.9	29.0	36.2	1.3	1.0	.167	.139	86	84	NNW 1	NNW 1	10	0	—	— Bright and sharp.
22	.42	.44	28.3	25.0	23.5	35.9	0.4	0.3	.143	.123	93	92	WNW 1	NW 1	9	5	.036	~ (mist) ga. Gloomy.
23	.44	.40	36.9	37.4	24.2	37.5	0.4	1.3	.211	.198	97	89	NW 1	NW 2	10	10	—	~ (mist) a. Dull day.
24	.37	.45	40.3	34.9	33.9	42.1	0.4	2.0	.241	.165	97	80	SE 1	NW 2	10	10	—	Dull day.
25	.40	.32	39.9	36.4	26.3	40.5	2.0	1.5	.146	.186	78	87	NW 1	W 1	10	10	—	Dull and cold.
26	.44	.49	36.0	24.4	24.0	37.0	4.1	0.4	.140	.116	65	90	E 2	SE 1	9	0	—	~ (mist).
27	.57	.55	26.0	24.3	21.9	32.1	1.0	0.3	.107	.119	76	92	NW 1	W 2	8	8	—	~ ✱ ga. Cold and threatening.
28	.44	.50	34.8	31.4	23.7	36.4	0.9	1.0	.183	.151	91	87	W 1	NE 2	10	10	—	— Bright and sharp.
29	.64	.65	26.3	31.4	24.3	35.2	0.3	1.5	.132	.142	94	80	NE 1	NW 1	2	10	—	Dull and raw.
30	.67	.67	32.1	32.9	30.9	36.1	1.2	1.0	.154	.166	85	89	NW 1	SE 1	10	10	—	Cloudy.
31	29.55	29.35	33.3	29.9	29.0	36.0	2.4	1.0	.142	.139	75	84	SW 1	NW 1	10	9	—	
Mean	29.237	29.243	37.0	35.9	31.1	42.1	1.5	1.1	.193	.192	85.0	88.7	2.0	2.0	8.8	7.0	2.757	

MARGATE.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
							Dep. of Wet.		Vapour Tension.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	41.9	40.4	33.0	48.5	0.7	1.6	in.	in.	WSW 3	W 1	10	10	ins.	—	Fine day.	
2	30.13	30.30	45.8	44.0	40.3	47.5	2.2	2.0	2.58	2.43	WSW 2	W 2	10	10	—	—	Dull day.	
3	30.17	29.96	45.2	41.7	39.8	49.6	2.0	0.9	2.56	2.44	SW 2	S 1	8	10	—	—	Dull and mild.	
4	29.79	73	43.6	44.7	41.1	45.7	1.6	1.0	2.48	2.72	SW 2	SW 1	10	10	1.90	—	Dull day.	
5	29.84	29.90	42.4	33.8	33.3	46.3	1.6	0.8	2.37	1.78	N 2	N 1	10	0	—	—	Fine day. — at night.	
6	29.87	29.84	40.9	37.6	32.9	43.6	2.9	1.7	1.99	1.92	SW 3	SW 3	10	10	0.80	—	Dull and cold. ● ap.	
7	29.86	29.74	34.0	35.5	32.0	39.5	1.3	2.5	1.70	1.60	W 4	W 3	3	0	0.10	—	a. Dull and cold.	
8	29.71	29.23	36.2	50.6	33.0	53.8	0.7	0.9	1.99	3.45	SW 3	SW 4	10	10	2.20	—	Dull day. ● ⁰ at night.	
9	29.31	29.56	51.1	44.1	43.7	54.8	4.1	1.8	2.74	2.49	W 4	S 2	10	10	—	—		
10	29.79	29.86	41.1	37.9	37.3	44.7	5.1	4.0	1.04	1.43	63	NW 1	N 1	8	0	—	—	Dull and cold.
11	30.00	29.92	31.8	39.0	28.8	40.4	2.0	1.2	1.36	2.14	75	N 1	N 1	2	10	1.10	—	— in afternoon.
12	30.04	29.88	33.8	40.4	32.0	41.1	0.9	1.4	1.76	2.22	89	Calo	E 2	8	10	0.80	—	a. Dull and cold.
13	29.55	29.31	43.7	49.7	39.1	50.1	0.5	0.7	2.73	3.39	96	S 5	SW 4	10	10	1.50	—	a. ● nearly all day.
14	29.51	29.35	38.5	44.4	35.0	50.0	1.4	2.2	2.05	2.43	89	SSW 2	SW 5	5	0	2.40	—	Rough and stormy ● ●.
15	29.22	29.57	42.2	40.9	40.1	46.5	1.3	1.4	2.40	2.26	89	SSW 3	SW 3	4	8	0.10	—	a. Finer.
16	29.40	29.41	50.3	47.0	40.0	52.3	0.7	2.0	3.46	2.75	95	SSW 5	W 3	10	10	0.40	—	Stormy a.
17	29.68	29.68	40.4	39.0	38.9	48.0	3.2	1.4	1.88	2.10	75	SW 4	SW 3	0	0	—	—	a. Clear day.
18	29.60	29.43	37.8	37.7	34.8	43.2	2.7	1.7	1.77	1.93	78	W 4	SW 4	0	9	1.10	—	a. Dull day. ● in evening.
19	29.36	29.47	30.8	34.8	34.0	38.6	4.4	0.8	1.42	1.86	95	NW 4	SW 2	10	0	0.10	—	a. Fine and sunny p.
20	29.44	29.43	32.1	37.0	29.6	37.5	0.5	0.6	1.70	2.08	94	SSW 2	WNW 1	10	10	—	—	a. Fine.
21	29.50	29.63	36.3	36.6	34.5	37.8	0.6	1.3	2.02	1.99	95	N 3	NE 1	9	10	0.20	—	Dull day.
22	29.83	29.94	36.5	32.4	31.0	38.5	1.1	1.0	1.94	1.61	91	N 3	N 1	9	10	0.50	—	Dull with ●.
23	29.85	29.85	34.0	37.0	29.0	39.6	0.8	1.4	1.79	1.93	91	W 2	N 2	10	9	—	—	— Fine.
24	29.74	29.85	39.4	36.6	33.4	40.6	1.6	1.0	2.09	1.97	91	NW 2	N 2	10	6	0.20	—	Dull day. ✱ ⁰ .
25	29.82	29.73	35.1	37.5	33.5	38.0	1.1	0.8	1.83	2.08	93	W 2	N 3	7	10	2.70	—	Fine till 5 p. ● in evening.
26	29.91	29.93	28.2	30.1	26.8	37.8	1.2	0.1	1.19	1.65	77	Calo	E 1	7	10	5.40	—	✱ ² .
27	29.97	29.93	31.4	31.5	26.0	33.7	1.4	0.3	1.42	1.70	81	E 1	N 2	7	3	1.50	—	✱ ² . Beautiful ☐.
28	29.81	29.97	34.4	33.8	29.5	35.4	2.1	0.4	1.57	1.86	79	N 3	E 3	10	10	—	—	a. ✱ ⁰ .
29	30.11	30.00	30.6	33.8	26.0	34.8	0.6	0.4	1.56	1.86	91	E 4	N 2	10	10	0.50	—	✱ ² a.
30	30.05	30.16	35.0	33.0	32.5	37.6	0.9	0.7	1.86	1.74	91	NW 2	Calo	10	10	0.20	—	Partial thaw.
31	30.10	29.93	32.9	32.6	31.2	35.8	0.0	0.8	1.87	1.68	100	SE 2	W 2	10	10	—	—	— Dull, overcast, and cold.
Mean	29.768	29.752	38.2	38.7	33.9	42.9	1.7	1.3	2.01	2.14	85.6	89.2	2.6	2.1	8.0	7.6	2.370	

SOUTHAMPTON.—DECEMBER 1887.

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

1	30.19	30.33	45.9	47.0	31.5	51.0	0.5	2.2	2.98	2.71	97	85	SW 1	WNW 1.5	10	10	—	— a. Day dull and mild.
2	30.44	30.36	45.8	46.0	44.4	50.1	2.0	2.5	2.64	2.55	86	83	WNW 1	SW 2	10	10	—	— a. Day dull and mild.
3	30.20	29.98	45.9	45.6	44.8	49.2	1.9	1.8	2.66	2.66	87	87	SW 2	SW 2	10	10	—	Dull and mild.
4	29.81	29.76	45.3	48.1	45.0	49.2	1.0	0.8	2.79	3.16	92	94	SW 0.5	Calo	0	1	—	[taken at 9.22 a.
5	29.95	29.91	39.1	37.0	36.5	49.1	1.1	1.0	2.17	2.00	91	91	NW 2.5	Calo	0	1	—	— Morning obs.
6	29.46	29.43	43.4	36.2	35.6	45.8	1.8	1.0	2.43	1.95	86	91	S 5	W 3	10	7	—	— ga.—p. a. and p. * 10.30 p.
7	29.65	29.82	34.8	34.3	32.2	40.8	1.0	1.5	1.82	1.68	91	85	WSW 1	W 1.5	5	0	—	— a. * 10. a. * 11. a. Fine p.
8	29.62	29.50	44.6	52.3	33.6	52.9	0.6	0.2	2.80	3.87	95	99	SW 3	SW 3.5	10	10	—	— a. and p.
9	29.40	29.62	51.6	45.2	45.2	54.2	2.5	1.6	3.18	2.64	83	88	SW 3	WNW 1.5	10	9	—	— Fine and pleasant from noon.
10	29.79	29.91	40.8	32.3	31.9	46.2	0.4	0.6	2.46	1.71	97	93	NE 1.5	NW 1.5	10	0	—	— a. and p.
11	29.97	29.97	32.7	37.4	28.0	45.2	0.8	0.5	1.70	2.14	91	96	E 0.5	NW 1	10	1	—	— a. and p.
12	30.02	29.75	33.4	44.3	32.3	46.5	0.6	0.3	1.79	2.84	93	89	E 1.5	SSE 4	10	10	—	— a. and p.
13	29.45	29.38	49.6	45.2	43.9	51.0	0.7	1.5	3.37	2.66	95	89	SSW 4.5	W 4	10	9	—	— till 7 a. and during day.
14	29.46	29.24	43.5	46.4	37.3	48.7	1.7	1.7	2.36	2.75	87	88	SW 2.5	SW 5.5	5	5	—	— Fine a. Squally.
15	29.28	29.59	44.1	43.6	41.0	50.3	1.3	1.2	2.60	2.57	89	90	W 3	SW 2	9	10	—	— till 8 a. Day fine and pleasant.
16	29.40	29.44	51.0	46.5	43.3	52.4	0.3	1.7	3.66	2.77	98	88	SW 4.5	SW 3.5	10	0	—	— till 10.30 a. Beautiful day.
17	29.80	29.73	40.7	42.6	39.2	47.6	2.0	1.0	2.13	2.51	85	92	WSW 3	SW 0.5	7	10	—	— showers p.
18	29.79	29.52	38.6	38.7	36.0	45.9	1.3	0.7	2.09	2.21	90	94	WSW 2	WSW 2	0	10	—	— a. Beautiful a. — showers p.
19	29.52	29.54	35.0	35.2	33.2	43.2	1.8	0.7	1.68	1.92	82	93	NW 2	NW 2	2	1	—	— a. Beautiful day.
20	29.50	29.49	34.4	36.4	29.5	40.0	0.6	1.2	1.87	1.93	94	90	NW 2	NW 1.5	10	10	—	— a. Day fine and pleasant.
21	29.59	29.60	34.2	30.8	30.2	38.8	0.6	0.5	1.86	1.60	94	93	NNW 1.5	NNW 1.5	9	1	—	— a. Fine and dry.
22	29.87	29.99	33.2	30.6	30.2	35.8	1.0	0.8	1.69	1.50	89	89	NE 2	N 1.5	10	10	—	— a. Fine and dry.
23	29.93	29.93	30.2	32.6	25.5	38.2	0.2	0.6	1.65	1.73	97	94	NW 1	NW 2	10	10	—	— a. Fine day.
24	29.84	29.90	40.3	37.6	31.8	41.7	0.7	1.7	2.36	1.93	95	85	NNW 2	N 2	10	10	—	— Fine from 11.30 a.
25	29.92	29.77	32.7	37.6	30.6	39.2	0.8	0.8	1.70	2.10	92	93	NW 1.5	NW 1.5	1	10	—	— a. Beautiful day till 4 p.
26	29.93	29.96	30.8	27.2	26.7	38.8	1.0	0.4	1.47	1.36	86	91	NE 1.5	NE 1	0	0	—	— a. and p. Beautiful day.
27	30.02	30.05	28.0	24.8	24.8	33.6	0.2	0.1	1.46	1.30	95	98	NE 2	NW 1.5	1	0	—	— a. and p. Beautiful day, but cold.
28	29.90	29.90	31.9	29.8	24.1	35.9	0.6	1.2	1.66	1.34	93	81	NNW 3	NE 1	10	7	—	— * a. n. and a. — a. Day dull.
29	30.14	30.14	28.1	28.2	26.6	32.5	1.0	1.2	1.23	1.19	93	77	NE 1	N 2	9	10	—	— a. Fine and dry.
30	30.14	30.18	34.4	34.8	27.0	38.5	1.0	0.9	1.79	1.84	89	92	NNW 2	NNW 1.5	10	10	—	— a. Fine and dry.
31	30.11	29.88	32.8	33.7	32.2	35.9	1.1	1.5	1.64	1.63	88	84	NE 1	E 2	10	10	—	— a. Day dull.
Mean	29.809	29.791	38.6	38.3	34.0	44.1	1.0	1.1	2.18	2.15	92.6	90.0	2.1	1.9	7.7	6.8	2.043	



BABBACOMBE.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.								Per-centage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	46° 0	45° 5	39° 2	52° 7	0° 3	1° 8	in.	in.	%	%	SW 2	W 1	8	10	—	D ² n. and p. (mist) a. and p.
2	29° 96	30° 12	46° 0	45° 5	39° 2	52° 7	0° 3	1° 8	° 304	° 203	98	87	WNW 1	SW 2	10	10	—	Dull day.
3	30° 19	30° 11	46° 1	45° 4	45° 1	47° 9	2° 0	1° 9	° 265	° 260	86	87	WSW 3	SW 3	10	10	—	Dull till 11 a., and from 2 p.
4	29° 94	29° 72	45° 7	44° 2	44° 1	48° 4	2° 0	1° 4	° 261	° 258	86	80	WSW 3	N 2	10	10	° 160	° 0 showers a. Dull and gloomy p.
5	29° 56	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 272	° 269	88	96	SW 2	W 3	9	3	° 430	° 0 showers till 2 p. Squally. 11 a.
6	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
7	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
8	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
9	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
10	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
11	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
12	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
13	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
14	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
15	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
16	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
17	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
18	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
19	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
20	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
21	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
22	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
23	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
24	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
25	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
26	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
27	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
28	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
29	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
30	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
31	29° 53	29° 53	46° 1	43° 3	43° 3	50° 0	1° 7	0° 5	° 201	° 214	91	90	WNW 1	SW 2	0	8	° 080	° 0 showers till 2 p. Squally. 11 a.
Mean	29° 568	29° 562	40° 7	39° 5	35° 8	45° 7	1° 6	1° 5	° 227	° 216	86° 5	86° 4	3° 3	2° 7	7° 0	6° 0	3° 070	

ARMAGH.—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Per-centage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	47.6	46.7	45.9	49.4	1.6	0.9	in.	in.	29.8	89	94	SW 2	SW 2	10	10	ins.	Overcast all day.
2	30.09	29.90	46.7	48.3	43.7	49.4	1.0	0.5	29.6	327	93	97	SW 2	SW 4	10	10	—		
3	29.69	29.50	48.2	48.0	47.2	50.7	1.7	0.4	29.5	335	89	97	SW 5	SW 3	10	10	3.12	Overcast all day.	
4	29.64	29.69	36.6	33.0	32.3	48.2	0.6	1.0	29.5	167	95	89	N 1	SW 1	10	0	—		
5	29.61	29.36	40.8	41.8	32.5	44.7	1.0	1.1	29.4	242	92	92	SSW 3	S 2	10	10	1.70	* showers during day.	
6	28.88	29.15	39.6	33.8	33.3	44.6	2.2	1.0	29.1	174	82	89	SW 3	SW 2	10	10	3.22		
7	29.36	29.49	34.4	31.6	31.5	37.2	0.9	0.8	29.1	159	91	89	WSW 1	SW 2	0	10	2.07	* showers during day.	
8	28.89	28.89	38.8	46.7	29.0	50.4	0.3	1.9	29.0	275	98	87	E 1	WSW 2	10	10	2.95		
9	29.46	29.46	42.0	36.0	36.0	47.3	2.0	1.0	29.2	193	85	91	NW 2	NW 0.5	5	10	—	a.  p.	
10	29.66	29.72	34.7	30.0	29.3	39.2	1.0	0.0	29.2	167	91	100	SW 1	SSW 0.5	2	10	0.25		
11	29.81	29.83	31.4	32.8	28.8	32.8	0.0	0.0	29.7	187	100	100	Calm	SSW 1	10	10	—	a.  p.	
12	29.72	29.12	27.4	47.0	22.0	51.3	0.4	1.0	29.7	137	298	92	93	Calm	SE 4	7	10		2.27
13	28.78	29.02	47.4	39.6	37.0	47.8	1.4	2.0	29.3	204	90	84	SSW 4	SSW 2	10	2	0.45	* showers.	
14	28.79	28.66	37.6	40.9	35.3	41.3	1.9	0.9	29.0	236	84	93	S 4	S 2	9	10	1.40		
15	29.17	28.92	41.0	47.1	37.2	49.4	1.4	1.1	29.2	297	89	92	W 1	S 3	10	10	1.96	* showers.	
16	28.83	29.12	43.0	38.1	36.7	47.3	1.2	1.1	29.1	251	207	90	90	SW 4	WSW 2	10	7		1.51
17	29.43	29.46	37.8	37.0	37.0	47.8	1.0	1.0	29.8	200	92	91	SW 2	SW 3	10	10	2.90	* showers.	
18	29.41	29.39	33.9	34.6	33.2	38.2	0.1	0.6	29.3	189	99	94	SW 2	NW 2	9	9	0.37		
19	29.46	29.54	36.0	31.7	31.7	40.3	1.0	0.9	29.3	158	91	88	WNW 2	NNW 1	8	4	—	* showers.	
20	29.55	29.59	36.1	32.8	31.5	39.4	1.3	1.4	29.8	157	88	84	NNW 1	N 1	8	2	—		
21	29.66	29.74	32.0	30.0	25.0	37.3	2.3	1.0	29.1	131	140	72	83	N 0.5	N 1	5	0	—	* showers.
22	29.82	29.75	32.6	35.0	23.7	38.7	1.0	1.0	29.6	184	88	90	N 1	SW 2	7	10	0.20		
23	29.88	29.83	38.0	38.0	34.8	44.6	0.6	1.0	29.6	216	208	95	91	N 1	W 1	10	10	—	* showers.
24	29.84	29.90	41.9	42.5	37.5	44.4	0.5	1.5	29.5	239	96	88	Calm	Calm	10	9	—		
25	29.80	29.75	40.4	35.5	33.2	43.7	1.1	1.1	29.8	187	91	90	WNW 1	Calm	10	9	—	* showers.	
26	29.81	29.85	31.0	36.2	30.2	42.0	0.0	1.2	29.7	191	100	89	WSW 0.5	SW 1	10	10	0.18		
27	29.98	30.02	32.6	30.1	30.1	39.3	1.6	0.4	29.5	151	156	82	94	ESE 1	ESE 0.5	10	0	—	* showers.
28	29.90	29.94	38.0	35.6	26.2	39.8	1.0	1.2	29.8	187	91	89	NW 1	Calm	10	10	0.04		
29	30.04	30.09	34.1	35.8	32.0	37.5	0.1	0.8	29.9	190	99	92	Calm	Calm	10	10	—	Overcast all day.	
30	30.09	30.03	34.0	33.6	32.5	36.5	1.7	0.6	29.6	181	82	93	WSW 1	WSW 1	10	10	—		Overcast all day.
31	29.85	29.60	33.7	33.0	32.2	37.2	1.8	1.0	29.7	167	82	89	SSW 1	SSW 1	10	10	—	Overcast all day.	
Mean	29.572	29.560	37.7	37.5	33.2	43.2	1.1	1.0	29.8	209	90.3	91.0	1.6	1.5	8.7	8.1	2.279		

MARKREE CASTLE (SLIGO).—DECEMBER 1887.

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

1	30.05	30.17	48.8	48.7	46.1	50.7	2.5	1.5	29.8	29.6	82	89	SW 0.5	SW 2	10	10	—	Overcast all day.
2	30.17	30.00	46.5	48.8	41.0	49.7	1.1	1.5	29.1	29.8	92	89	SSE 1	S 2	10	10	—	Overcast all day.
3	29.76	29.58	49.4	44.4	43.9	51.3	1.5	0.3	29.5	29.5	90	98	SSW 5	NW 3	10	10	—	Overcast all day.
4	29.72	29.78	36.9	33.2	31.5	44.6	0.5	0.8	29.9	29.7	96	91	SW 0.5	SW 1	10	2	—	Overcast all day.
5	29.68	29.39	41.1	44.0	30.2	46.3	0.9	0.8	29.8	29.7	93	94	SSW 0.5	SSW 3	10	10	—	Overcast all day.
6	29.01	29.25	39.2	34.3	32.1	44.0	2.9	0.3	29.8	29.7	97	97	NNW 6	NW 4	10	9	—	Overcast all day.
7	29.48	29.59	36.3	35.2	31.9	39.7	2.8	0.9	29.6	29.6	91	96	NW 5	SSW 1	10	10	—	Overcast all day.
8	29.16	29.00	38.2	47.2	34.4	49.8	0.4	2.7	29.2	29.2	97	82	SSE 3	W 4	10	10	—	Overcast all day.
9	29.21	29.54	42.2	36.2	35.5	47.3	1.0	0.3	29.7	29.7	92	97	WNW 1	Calm	9	8	—	Overcast all day.
10	29.73	29.76	32.8	32.8	29.3	38.9	0.4	0.8	29.6	29.6	91	91	SSE 0.5	SE 0.5	9	10	—	Overcast all day.
11	29.87	29.89	32.2	28.2	27.6	40.2	0.3	0.1	29.7	29.7	97	98	Calm	Calm	3	6	—	Overcast all day.
12	29.72	29.72	29.8	44.5	25.6	44.5	0.3	0.4	29.8	29.8	95	97	SE 1	SE 6	10	10	—	Overcast all day.
13	28.89	29.04	42.8	34.2	32.7	50.2	0.5	0.7	29.6	29.6	93	93	WNW 4	S 2	10	9	—	Overcast all day.
14	28.77	28.74	37.2	43.1	32.2	45.9	0.8	0.7	29.6	29.6	93	94	SSE 6	WNW 8	10	10	—	Overcast all day.
15	29.27	29.00	41.5	48.8	40.3	49.5	1.1	0.5	29.9	29.9	91	96	SW 1	WSW 1	9	10	—	Overcast all day.
16	28.89	29.25	44.7	40.1	38.6	48.8	1.4	3.7	29.6	29.6	89	71	SW 4	W 4	10	9	—	Overcast all day.
17	29.54	29.58	37.4	35.8	33.9	42.7	0.9	0.3	29.6	29.6	93	98	WSW 1	W 1	9	10	—	Overcast all day.
18	29.54	29.53	38.1	37.7	33.4	40.1	0.8	2.5	29.3	29.3	93	79	NNW 6	NW 6	10	10	—	Overcast all day.
19	29.61	29.69	38.0	38.8	35.2	42.2	2.7	0.5	29.8	29.8	77	96	NNW 2	NNE 2	6	9	—	Overcast all day.
20	29.68	29.72	36.6	34.6	33.0	40.5	2.4	2.1	29.7	29.7	80	79	NNW 3	NNE 1	7	6	—	Overcast all day.
21	29.77	29.84	30.2	44.4	26.0	44.6	0.1	0.1	29.6	29.6	99	99	Calm	NW 3	9	10	—	Overcast all day.
22	29.96	29.95	41.7	44.5	39.2	44.8	1.3	0.1	29.7	29.7	90	99	NNW 0.5	WNW 1	9	10	—	Overcast all day.
23	29.93	29.99	41.7	42.8	40.8	44.5	0.4	1.6	29.6	29.6	88	88	N 0.5	N 1	8	9	—	Overcast all day.
24	29.92	29.84	42.4	42.0	39.4	44.5	1.1	0.9	29.8	29.8	91	93	NNW 2	NNW 1	10	10	—	Overcast all day.
25	29.89	29.90	35.1	37.8	34.1	42.2	0.4	0.3	29.7	29.7	96	98	Calm	Calm	5	10	—	Overcast all day.
26	30.03	30.12	35.3	25.3	24.2	37.8	0.6	0.0	29.5	29.5	137	95	SE 2	Calm	10	2	—	Overcast all day.
27	30.01	30.01	38.2	41.7	20.8	42.8	0.9	3.0	29.2	29.2	105	100	Calm	N 0.5	10	10	—	Overcast all day.
28	30.09	30.17	34.5	34.6	33.1	41.9	0.1	0.2	29.8	29.8	93	98	Calm	Calm	10	10	—	Overcast all day.
29	30.18	30.10	33.2	34.8	32.1	37.4	0.1	1.7	29.8	29.8	99	83	Calm	SSE 0.5	10	10	—	Overcast all day.
30	29.93	29.65	32.5	29.5	28.9	37.5	1.1	0.3	29.6	29.6	155	87	SSE 0.5	SE 0.5	10	9	—	Overcast all day.
Mean	29.656	29.645	38.3	38.6	33.3	43.9	1.0	1.0	29.4	29.4	91.4	91.8	1.8	1.9	9.0	9.0	4.670	

DUBLIN (PHENIX PARK).—DECEMBER 1887.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
							Dep. of Wet.		Vapour Tension.								Per-centage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
	ins.	ins.	°4	°8	°6	°6	°4	°7	in.	in.	%	%					ins.	
1	30.04	30.20	47.4	48.0	46.1	49.6	1.4	2.7	.293	.270	90	81	WSW 2	W 2	8	9	—	Dull and cloudy.
2	30.21	30.05	47.6	49.3	44.2	49.3	1.9	2.4	.284	.293	87	83	WSW 3	SSW 3	9	8	—	Dull and cloudy.
3	29.82	29.65	50.6	48.7	44.5	54.1	4.4	2.4	.263	.286	71	83	SW 3	SW 3	1	9	100	Beautiful day.
4	.67	.80	36.5	33.0	32.3	49.0	0.5	0.2	.306	.183	95	97	NW 2	W 1	10	0	.030	Dull day.
5	29.75	.55	41.0	43.6	29.6	45.7	2.2	2.2	.211	.236	83	83	SSW 2	SSW 2	4	2	.235	Cloudy day.
6	28.99	.26	37.6	32.7	31.8	46.5	0.8	1.3	.210	.159	93	85	SW 3	WSW 2	10	6	.010	Squally ☼ ⁰ a. Cloudy day. ☼ ⁰
7	29.47	*.62	33.7	36.7	30.4	38.5	0.9	1.6	.175	.187	90	86	W 3	WSW 1	2	10	.060	☼ ⁰ a. Beautiful day. [showers p.
8	.20	*.01	44.8	49.6	35.8	52.8	0.6	2.0	.283	.305	96	86	SE 1	WSW 3	10	6	.125	Dull, with ☼ ⁰ .
9	.16	.50	43.6	38.5	37.4	49.6	2.7	0.6	.225	.221	79	95	W 3	Calm 0	2	10	.020	Dull and cloudy. ☼ ⁰ showers p.
10	.73	.78	36.2	28.3	27.3	39.0	1.1	0.4	.193	.143	90	93	Calm 0	Calm 0	8	2	.025	Dull day. ☼ ⁰ p.
11	.81	.90	35.8	28.9	27.5	37.8	0.4	0.3	.202	.151	97	95	NNW 1	WNW 1	10	1	—	Dull, with ☼ ⁰ a. Cloudy, with ☼ ⁰ p.
12	29.79	*.28	33.9	48.2	22.5	48.3	2.1	2.1	.153	.285	79	86	NE 1	SSW 4	7	10	.070	☼ ⁰ a. Dull and cloudy. ☼ ⁰ p.
13	28.89	29.15	51.0	35.4	34.7	53.9	2.4	1.7	.313	.175	84	85	SW 2	SSW 2	7	0	.010	☼ ⁰ showers. Cloudy day.
14	28.98	28.81	40.4	42.0	34.7	45.5	3.5	1.8	.184	.229	73	86	SSW 2	SW 3	7	8	.120	Cloudy day. ☼ ⁰ p.
15	29.24	29.11	40.1	49.7	38.8	49.8	1.1	1.8	.225	.312	91	88	W 2	SW 4	2	4	.240	Cloudy day. ☼ ⁰ a. and p.
16	28.99	*.25	44.7	41.7	41.2	51.9	2.8	2.5	.235	.213	79	82	SW 3	W 2	1	1	.035	☼ ⁰ 12 a.—6 a. ☼ ⁰ showers.
17	29.55	.59	39.0	36.7	35.0	43.7	1.9	1.0	.201	.198	85	91	WSW 1	W 2	4	6	.030	☼ ⁰ a. and p. Cloudy day.
18	.55	.46	38.2	33.3	32.3	39.4	1.4	1.0	.202	.170	88	89	WSW 2	W 2	5	0	.110	Dull, with ☼ ⁰ . ☼ ⁰ shower p. [rip.
19	.53	.57	33.7	36.6	31.7	38.7	0.9	0.8	.175	.201	90	93	W 2	WNW 1	2	2	.005	Bright a. Cloudy p.
20	.56	.61	34.1	32.4	31.6	37.5	0.9	1.7	.179	.147	90	80	NW 1	NW 2	4	0	.005	Cloudy day.
21	.67	.77	27.9	27.0	25.3	35.7	0.6	0.3	.135	.137	89	93	NW 1	NW 1	1	1	—	Beautiful day.
22	.90	.85	22.5	36.3	19.6	36.7	0.3	0.8	.110	.199	92	93	W 1	SSW 2	2	10	.030	Bright a. Dull p. ☼
23	.90	.91	39.7	39.5	34.8	42.5	0.7	1.3	.230	.216	94	90	NW 1	W 2	7	10	—	—
24	.88	.94	42.5	37.3	35.9	43.3	1.6	0.4	.238	.215	87	97	NNW 1	NNW 1	9	3	.010	Dull day. ☼ ⁰ shower p. ☼
25	.88	.79	38.1	40.0	31.1	42.9	0.6	0.7	.217	.232	95	94	W 2	NNE 1	10	6	.080	Dull and cloudy. ☼ ⁰ p.
26	29.85	29.88	37.1	35.3	34.7	43.9	0.3	0.3	.215	.201	97	97	Calm 0	Calm 0	8	10	.005	Dull, with ☼ ⁰ a. Cloudy p.
27	30.02	30.06	33.6	29.2	26.2	38.2	2.4	1.0	.146	.133	76	83	Calm 0	Calm 0	10	6	—	Dull and cloudy, with ☼ ⁰ .
28	29.96	29.96	32.4	35.5	25.7	40.5	0.5	0.3	.174	.202	95	97	W 2	Calm 0	9	9	.040	Dull, with ☼ ⁰ showers a. Cloudy p.
29	30.06	30.13	35.2	33.8	33.0	36.3	0.2	0.5	.202	.184	98	94	Calm 0	WSW 1	10	9	.005	Dull and damp, with ☼ ⁰ .
30	30.15	30.11	35.3	34.8	32.8	36.2	1.8	1.7	.172	.168	83	83	NW 1	W 1	10	10	—	Dull day.
31	29.95	29.70	32.3	37.1	31.6	37.4	0.6	2.8	.171	.169	93	76	Calm 0	Calm 0	9	10	—	Dull day.
Mean	29.649	29.652	38.3	38.0	32.9	43.7	1.4	1.3	.207	.207	88.0	88.5	1.5	1.6	6.4	5.7	1.390	

Part II.—Monthly Summaries from Stations of the Second Order, 1887.

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-five 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 12 belong to the Royal Meteorological Society (distinguished by "M"). The list remains the same as in 1886, except that Eastbourne is substituted for Scaleby where the observations have been discontinued.

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

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

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

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

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

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

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

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

The days of gale are those days when force 7 or upwards (Beaufort's scale) was recorded at any time during the day.

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

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

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

On pages 178-179 is given, in Part III., the Annual Summary, showing at one opening the mean values and totals for the year of the various elements at all the stations, as well as the extreme temperatures and the maximum rainfall. And on page 180 will be found, as Part IV., a table giving the number of hours of bright Sunshine registered at various stations.

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

As stated on page 1, returns from the observatories or stations of the First Order in connexion with the Meteorological Office are included in this publication. These stations are Aberdeen, Falmouth, Kew, and Valencia. The tables given are based on observations at 9 a.m. and 9 p.m., Greenwich mean time, each day, except for cloud amount which is for 10 a.m. and 10 p.m., and for rainfall which was measured each morning at about 10 o'clock.

Stations.	Observers.
Swanbister (Orkneys)	W. Irvine Fortescue.
Lairg	William Ross (for the Duke of Sutherland, K.G.).
Dunrobin Castle	D. Melville
Gordon Castle	J. Webster (for the Duke of Richmond and Gordon, K.G.).
Glencarron	D. D. Munro (for Lord M'Laren).
Aberdeen	Prof. C. Niven, M.A., F.R.S.
Fort Augustus	Rev. W. Martin Wall (The Monastery).
Braemar	James Aitken.
Fort William	C. Livingstone (for Directors Ben Nevis Observatory).
Lednathie	William Morrison (for Stormonth Darling).
Laudale (Argyleshire)	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
Dundee	W. Ross M'Kelvie (The Cemeteries).
Ochtertyre	George Croucher (for Sir Patrick Keith Murray, Bart.).
Callton Mor	J. Russell (for John Malcolm of Poltalloch, M.P.).
Glasgow	Prof. R. Grant, M.A., LL.D., F.R.S.
Rosewell	R. W. D. Cameron, M.D.
Rothesay (Isle of Bute)	James Kay.
Marchmont	Peter Loney (for Sir Hugh P. Campbell, Bart.).
Wolfelee	William Cockburn (for Lady Elliott).
Pinmore (Ayrshire)	Peter Donald (for Captain Hamilton).
Glenlee	W. Melville (for George Maxwell, Esq.).
Cramlington	W. Bonallo, F.R.Met.Soc.
Cargen	P. Dudgeon, F.R.S.E., and Alex. Peacock.
Durham	H. J. Carpenter.
Newton Reigny	T. G. Benn, F.R.Met.Soc.
Aysgarth (Yorkshire)	Rev. Fenwick W. Stow, M.A., F.R.Met.Soc.
Scarborough	A. Rowntree, F.R.Met.Soc., and W. Robinson.
Cronkbourne (Douglas), Isle of Man	A. W. Moore, M.A., F.R.Met.Soc.
York	H. M. Platnauer, F.G.S. (for the Yorkshire Philosophical Society).
Stonyhurst	Rev. S. J. Perry, M.A., F.R.S. (the late).
Wakefield	H. Clarke, L.R.C.P., F.S.S., F.R.Met.Soc.
Prestwich	T. R. H. Clunn, M.D., F.R.Met.Soc.
Llandudno	J. Nicol, M.D., F.R.Met.Soc.
Buxton	J. C. Thresh, M.D.
Cheadle	J. C. Philips.
Hillington (Norfolk)	Rev. H. Ffolkes, M.A., F.R.Met.Soc.
Leicester	J. C. Smith (the late) (for Museum Authorities).
Uppingham	Rev. G. H. Mullins, M.A., F.R.Met.Soc.
Churchstoke (Montgomeryshire)	P. Wright, F.C.S., F.R.Met.Soc.
Geldeston (Beccles)	E. T. Dowson, F.R.Met.Soc.
Bennington	Rev. J. D. Parker, LL.D., F.R.Met.Soc.
Cheltenham	R. Tyrer, B.A., F.R.Met.Soc.
St. David's, Pembroke	W. P. Propert, M.A., LL.D., F.G.S., F.R.Met.Soc.
Carmarthen	G. J. Hearder, M.D.
Berkhamsted	E. Mawley, F.R.H.S., F.R.Met.Soc.
Kew	G. M. Whipple, B.Sc., F.R.A.S. (for the Kew Committee).
Margate	J. Stokes, F.R.Met.Soc.
Southampton (Ordnance Survey Office)	J. T. Cook (for the Director-General of Survey).
St. Leonards	H. Colborne, M.R.C.S., F.R.Met.Soc.
Eastbourne	R. Sheward, F.R.Met.Soc.
Southbourne	T. A. Compton, B.A., M.D., F.R.Met.Soc.
Rousdon	C. E. Peek, M.A., F.R.A.S., F.R.Met.Soc.

Stations.	Observers.
Dartmoor	Dr. F. W. S. Stone.
Babbacombe (Torquay)	E. E. Glyde, F.R.Met.Soc.
Falmouth	E. Kitto, F.R.Met.Soc. (for the Royal Cornwall Polytechnic Society).
Londonderry	J. Conroy, F.R.Met.Soc.
Lissan (Co. Tyrone)	Sir Nathaniel Staples, Bart.
Armagh	J. L. E. Dreyer, Ph.D., F.R.A.S.
Brookeborough (Colebrooke Park)	W. Ferguson (for Sir Victor Brooke, Bart., F.L.S.).
Markree Castle (Co. Sligo)	A. Marth, F.R.A.S. (for Colonel Cooper, F.R.A.S.).
Glasnevin (Botanic Gardens)	F. W. Moore.
Dublin (O.S.O. Phoenix Park)	Sergt. Lipscombe (for the late Lt.-Col. A. B. Coddington, R.E.).
Dublin (City)	J. W. Moore, M.D., F.R.Met.Soc.
Parsonstown (Birr Castle)	B. Budds and O. Boeddicker, Ph.D. (for the Earl of Rosse, F.R.S., K.P.).
Killarney	The Ven. Archdeacon Wynne, M.A., F.R.Met.Soc.
Valencia	J. E. Cullum, F.R.Met.Soc. (for Meteorological Council).

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

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

SWANBISTER

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January -	29.590	40.5	40.0	40.3	36.1	43.3	31.2	7th	51.7	29th	1.9	1.9	1.9	in.	in.	in.	85.1	84.9	85.0
February -	29.866	41.2	40.7	41.0	36.4	44.9	30.5	3rd, 17th	51.3	27, 28	1.9	1.7	1.8	2.21	2.21	2.21	85.1	86.4	85.8
March -	29.866	41.6	38.9	40.3	35.1	44.0	26.2	15th	50.8	4th	2.4	1.7	2.1	2.15	2.05	2.10	80.6	84.1	82.4
April -	—	42.6	40.1	41.4	35.0	46.5	29.5	6th	54.7	17th	2.4	1.8	2.1	2.28	2.15	2.22	83.0	85.7	84.4
May -	29.923	48.3	44.8	46.6	41.1	51.7	33.4	20th	58.7	25th	2.6	1.9	2.3	2.79	2.57	2.68	81.9	86.0	84.0
June -	30.055	54.1	51.1	52.6	46.9	57.4	40.3	6th	68.0	30th	2.4	1.6	2.0	3.56	3.38	3.47	84.8	89.6	87.2
July -	29.761	55.4	52.6	54.0	49.3	59.2	35.8	7th	67.4	1st	3.1	1.9	2.5	3.57	3.51	3.54	80.9	87.3	84.1
August -	29.790	53.4	51.5	52.5	48.3	56.6	42.7	13th	64.6	27th	2.0	1.6	1.8	3.58	3.42	3.50	86.7	88.9	87.8
September -	29.745	51.4	49.1	50.3	45.4	54.4	36.4	28th	58.9	2nd	2.4	1.7	2.1	3.22	3.11	3.17	84.1	88.5	86.3
October -	29.859	45.1	43.7	44.4	39.7	47.8	30.0	24th	53.9	4th, 18th	2.4	2.0	2.2	2.53	2.46	2.50	82.4	84.1	83.3
November -	29.554	41.6	41.0	41.3	36.5	44.4	27.5	15th	50.4	26th	1.8	1.5	1.7	2.28	2.29	2.29	85.3	88.2	86.8
December -	29.514	37.9	37.5	37.7	32.5	40.9	22.5	8th	52.3	3rd	1.6	1.8	1.7	1.98	1.91	1.95	85.6	83.8	84.7
Year -	—	46.1	44.3	45.2	40.2	49.3	—	—	—	—	2.2	1.8	2.0	2.69	2.60	2.65	83.8	86.5	85.2

LAIRG

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

1887.	ins.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January -	29.184	36.3	36.7	36.5	31.1	43.2	18.0	6th	58.0	29th	1.0	1.0	1.0	in.	in.	in.	92	91	92
February -	29.548	38.7	39.2	39.0	31.3	47.9	20.0	9th	62.0	28th	2.0	1.7	1.9	1.97	1.97	1.97	85	86	86
March -	29.492	37.0	36.3	36.7	28.9	46.4	10.0	16th	54.0	2nd	1.7	1.3	1.5	1.87	1.90	1.89	85	89	87
April -	29.460	40.9	38.2	39.6	31.7	50.3	24.0	5th	—	—	2.1	1.0	1.6	2.13	2.10	2.12	84	92	88
May -	29.520	49.3	44.3	46.8	39.6	55.7	31.0	3rd	63.0	26th	4.1	1.8	3.0	2.56	2.52	2.54	72	86	79
June -	29.651	58.6	52.5	55.6	48.6	67.2	42.0	2nd	81.0	23rd	4.0	1.9	3.0	3.75	3.44	3.60	76	87	82
July -	29.351	56.4	53.6	55.0	48.3	64.4	33.0	6th	77.0	8th	3.9	2.4	3.2	3.48	3.44	3.46	76	83	80
August -	29.385	54.9	51.5	53.2	47.2	62.4	37.5	22nd	74.0	4th	2.8	1.5	2.2	3.53	3.41	3.47	82	89	86
September -	29.356	49.9	47.2	48.6	43.1	55.7	29.0	28th	64.0	1st	2.0	1.2	1.6	3.09	2.95	3.02	87	92	90
October -	29.483	42.8	40.5	41.7	36.5	48.8	25.0	12th	57.0	6th	1.7	1.2	1.5	2.38	2.26	2.32	87	90	89
November -	29.146	37.8	37.9	37.9	32.8	43.0	22.0	15th	50.0	26th	1.1	1.1	1.1	2.06	2.07	2.07	91	91	91
December -	29.141	33.5	33.6	33.6	28.4	38.1	11.0	11th	53.0	3rd	0.8	0.7	0.8	1.75	1.79	1.77	91	92	92
Year -	29.393	44.7	42.6	43.7	37.3	51.9	—	—	—	—	2.3	1.4	1.9	2.54	2.49	2.52	84.0	89.0	86.5

DUNROBIN CASTLE

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

1887.	ins.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January -	29.702	39.3	39.2	39.3	34.6	44.8	27.7	10, 11	54.7	26, 29	1.4	1.7	1.6	in.	in.	in.	88.4	86.0	87.2
February -	29.066	41.1	40.3	40.7	35.3	46.7	27.7	9th	54.5	28th	2.7	2.1	2.4	2.07	2.07	2.07	79.8	83.4	81.6
March -	29.994	41.5	39.3	40.4	34.3	46.5	24.0	13th	54.3	3rd	2.6	2.2	2.4	2.11	1.99	2.05	80.7	81.5	81.1
April -	29.966	43.8	41.1	42.5	36.2	48.5	30.3	26, 27	55.3	19th	3.8	2.5	3.2	2.10	2.10	2.10	73.2	80.6	76.9
May -	30.016	51.2	47.0	49.1	41.2	55.2	33.0	21st	64.6	15th	4.8	3.4	4.1	2.65	2.49	2.57	70.2	77.5	73.9
June -	30.159	56.8	54.6	55.7	49.5	61.7	40.6	2nd	75.9	18, 30	4.1	3.0	3.6	3.51	3.48	3.50	76.2	81.3	78.8
July -	29.864	58.2	56.3	57.3	50.6	63.9	37.8	6th	76.4	1st	4.5	3.8	4.2	3.61	3.54	3.58	74.3	77.5	75.9
August -	29.889	56.0	53.8	54.9	49.1	61.2	40.2	13th	70.8	3rd	3.6	2.7	3.2	3.52	3.46	3.49	78.2	83.0	80.6
September -	29.847	52.9	49.9	51.4	46.0	56.2	36.1	28th	63.4	1st	3.1	2.3	2.7	3.22	3.04	3.13	79.9	84.4	82.2
October -	29.983	45.5	43.3	44.4	39.0	51.3	30.5	31st	61.4	6th	3.0	2.7	2.9	2.45	2.30	2.38	78.8	80.8	79.8
November -	29.660	42.0	41.4	41.7	35.9	46.7	29.3	29th	57.2	16th	2.4	2.5	2.5	2.22	2.13	2.18	81.8	81.1	81.5
December -	29.642	35.9	36.3	36.1	31.3	41.2	20.5	11th	56.0	3rd	1.5	1.8	1.7	1.86	1.82	1.84	87.1	83.6	85.4
Year -	29.899	47.0	45.2	46.1	40.3	52.0	—	—	—	—	3.1	2.6	2.9	2.62	2.55	2.59	79.1	81.7	80.4

MONTHLY SUMMARIES.—SWANBISTER—LAIRG—DUNROBIN CASTLE.

SWANBISTER.

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

1887.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	-	8.1	7.2	7.7	ins. 3.460	ins. 3.80	6th	27	2	7	0	0	15	12	0	3	1	8	17	16	11	2	4
February	-	7.0	6.2	6.6	2.060	3.20	24th	19	2	3	0	2	9	2	3	1	1	2	15	16	6	10	2
March	-	—	—	—	1.380	3.20	27th	21	—	—	—	—	—	2	10	1	0	6	5	14	15	9	2
April	-	—	—	—	2.070	3.90	21st	19	—	—	—	—	—	4	10	4	2	5	6	3	10	15	5
May	-	7.6	7.9	7.8	1.870	7.90	21st	19	1	1	0	0	15	0	3	3	5	4	3	3	18	14	7
June	-	7.5	7.8	7.7	1.560	7.00	11th	15	0	0	0	0	15	0	3	3	5	4	3	3	18	14	7
July	-	8.0	7.7	7.9	3.070	4.60	8th	27	0	0	3	0	13	0	4	0	2	4	8	12	17	10	5
August	-	8.1	8.8	8.5	3.000	8.10	6th	21	0	0	0	0	23	1	10	2	5	10	1	2	10	16	6
September	-	7.7	7.9	7.8	4.440	1.470	3rd	23	0	2	1	0	18	1	14	8	4	1	5	3	10	11	4
October	-	8.5	7.2	7.9	4.520	1.660	6th	27	2	5	0	0	16	2	14	3	0	0	5	9	13	17	1
November	-	8.8	7.6	8.2	3.820	6.80	4th	22	3	2	0	0	19	5	11	11	4	6	7	8	5	7	1
December	-	7.9	7.2	7.6	4.390	5.00	6th	29	8	6	0	0	12	6	13	1	1	3	5	10	10	18	1
Year	-	—	—	—	35.640	—	—	269	—	—	—	—	—	35	100	43	27	58	82	100	143	139	38

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

GORDON CASTLE

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January -	ins. 29°626	39°4	39°6	39°5	34°5	43°8	23°0	11th	54°5	25th	2°4	2°7	2°6	in. .195	in. .192	in. .194	% 81	% 78	% 80	
February -	.975	40°9	41°2	41°1	35°8	48°3	27°0	16th	59°7	28th	3°0	3°4	3°2	.197	.193	.195	78	75	77	
March -	.890	40°5	38°3	39°4	33°7	47°7	22°2	12th	57°8	30th	2°9	2°4	2°7	.195	.185	.190	78	80	79	
April -	.850	43°5	40°6	42°1	35°8	49°5	30°0	27th	62°6	17th	3°9	2°6	3°3	.203	.201	.202	72	80	76	
May -	29°907	50°4	46°3	48°4	40°2	56°4	31°0	4th	66°7	16th	4°2	2°5	3°4	.265	.258	.262	73	83	78	
June -	30°038	60°3	55°7	58°0	47°7	68°8	37°8	2nd	82°3	17th	5°4	3°2	4°3	.364	.356	.360	70	80	75	
July -	29°762	60°4	56°6	58°5	50°6	67°3	34°6	6th	80°8	8th	5°6	3°9	4°8	.360	.350	.355	68	76	72	
August -	.779	58°0	54°2	56°1	49°2	65°3	42°8	14th	77°0	5th	4°7	2°5	3°6	.350	.350	.350	73	83	78	
September	.744	52°3	49°0	50°7	44°6	57°4	33°1	28th	66°1	1st	2°7	1°8	2°3	.322	.303	.313	82	87	85	
October -	.878	45°4	43°5	44°5	39°6	51°4	33°0	10th	63°5	27th	3°1	2°2	2°7	.236	.235	.236	78	82	80	
November	.546	40°0	40°3	40°2	35°7	44°5	28°5	15th	54°5	26th	2°0	2°2	2°1	.207	.206	.207	84	83	84	
December	29°544	36°5	36°9	36°7	32°8	40°8	20°0	11th	54°5	3rd	1°9	2°2	2°1	.181	.179	.180	83	82	83	
Year -	29°795	47°3	45°2	46°3	40°0	53°4	—	—	—	—	3°5	2°6	3°1	.256	.251	.254	76·7	80·8	78·8	

GLENCARRON

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

January	ins. 29.149	38.2	38.9	38.6	33.7	41.9	20.9	6th	52.7	25th	1.9	2.1	2.0	in. 1.193	in. 1.196	in. 1.195	84	84	84
February	.512	40.3	40.4	40.4	35.2	45.8	27.0	9th	57.1	26th	2.6	2.3	2.5	.199	.205	.202	80	82	81
March	.458	37.5	37.2	37.4	32.2	43.9	18.0	12th	55.6	7th	1.5	1.9	1.7	.195	.185	.190	87	83	85
April	.426	41.7	38.9	40.3	33.7	47.2	27.0	26th	61.9	10th	3.3	1.9	2.6	.199	.200	.200	76	85	81
May	.488	47.9	45.8	46.9	40.1	54.9	32.6	1st	65.3	31st	3.6	2.8	3.2	.251	.246	.249	76	80	78
June	.614	57.4	54.9	56.2	47.8	65.8	40.2	14th	81.0	17th	4.5	3.3	3.9	.345	.342	.344	73	79	76
July	.338	56.2	54.4	55.3	49.4	62.7	38.6	18th	76.1	8th	3.4	2.8	3.1	.357	.346	.352	79	82	81
August	.361	54.8	52.5	53.7	48.4	61.5	41.2	14th	73.4	26th	3.5	2.1	2.8	.335	.338	.337	78	86	82
September	.332	49.4	48.1	48.8	43.8	54.9	32.4	28th	61.9	23rd	2.2	1.9	2.1	.298	.289	.294	85	86	86
October	.473	42.3	42.2	42.3	38.1	47.9	25.0	12th	54.5	2nd	1.7	2.0	1.9	.234	.227	.231	87	85	86
November	.093	38.9	39.1	39.0	33.9	43.3	22.0	15th	50.4	3rd	1.7	1.7	1.7	.204	.206	.205	87	86	87
December	29.133	35.2	35.5	35.4	29.9	39.4	21.1	11th	50.0	13th	1.4	2.0	1.7	.179	.170	.175	87	82	85
Year	29.365	45.0	44.0	44.5	38.9	50.8	—	—	—	—	2.6	2.2	2.4	.249	.246	.248	81.6	83.3	82.5

ABERDEEN

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

January	ins. 29.684	33.7	38.9	38.8	35.3	42.9	25.6	15th	53.0	29th	2.0	1.9	2.0	in. 1.197	in. 1.200	in. 1.199	85	85	85
February	30.045	39.7	40.8	40.3	36.3	45.1	24.5	10th	53.6	23rd	2.2	2.6	2.4	.202	.203	.203	82	80	81
March	29.913	39.0	37.9	38.5	33.6	44.8	21.3	16th	56.7	30th	2.8	2.1	2.5	.185	.188	.187	78	82	80
April	.878	43.0	41.4	42.2	36.4	48.1	29.5	16th	62.6	17th	3.6	3.0	3.3	.204	.201	.203	74	78	76
May	29.936	48.9	46.4	47.7	41.4	53.4	33.0	21st	64.7	8th	4.2	2.8	3.5	.250	.253	.252	72	81	77
June	30.079	57.6	54.2	55.9	48.5	63.1	41.9	4th	74.0	18th	5.0	3.3	4.2	.336	.330	.333	71	78	75
July	29.810	59.7	57.1	58.4	50.9	65.4	38.9	6th	76.3	1st	5.4	3.6	4.5	.355	.363	.359	69	78	74
August	.812	56.7	54.0	55.4	49.8	61.0	43.6	12th	70.4	8th	4.1	2.4	3.3	.346	.350	.348	75	84	80
September	.758	51.6	50.2	50.9	45.2	56.3	30.4	28th	64.4	3rd	3.0	2.5	2.8	.306	.300	.303	80	83	82
October	.900	44.3	43.1	43.7	39.2	49.9	31.5	24th	60.1	6th	3.0	2.6	2.8	.227	.224	.226	77	80	79
November	.570	40.3	40.6	40.5	36.7	44.3	28.9	15th	54.2	26th	2.1	2.2	2.2	.208	.209	.209	84	83	84
December	29.564	36.4	37.0	36.7	32.9	40.5	22.7	22nd	54.0	3rd	1.9	2.1	2.0	.180	.180	.180	84	82	83
Year	29.829	46.3	45.1	45.7	40.5	51.2	—	—	—	—	3.3	2.6	3.0	.250	.250	.250	77.6	81.2	79.4

MONTHLY SUMMARIES.—GORDON CASTLE—GLENCARRON—ABERDEEN.

GORDON CASTLE.

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

1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	—	—	—	ins. 1.320	ins. —	—	11	4	1	0	—	—	4	0	4	2	9	10	33	2	2	0
February	—	—	—	0.630	—	—	12	1	0	0	—	—	3	2	0	0	4	5	38	4	3	0
March	—	—	—	1.340	—	—	13	9	3	0	—	—	5	1	6	0	6	5	30	8	6	0
April	—	—	—	2.210	—	—	9	5	4	1	—	—	1	14	4	0	3	2	26	6	5	0
May	—	—	—	1.940	—	—	13	0	2	0	—	—	0	4	5	0	5	1	15	13	19	0
June	—	—	—	0.590	—	—	7	0	0	0	—	—	2	4	12	0	6	2	13	12	11	0
July	—	—	—	1.600	—	—	12	0	0	1	—	—	0	2	0	0	5	3	32	5	15	0
August	—	—	—	1.790	—	—	13	0	0	3	—	—	2	2	3	0	9	4	17	6	21	0
September	—	—	—	3.720	—	—	15	0	0	3	—	—	1	11	10	1	1	2	23	5	7	0
October	—	—	—	3.840	—	—	12	0	7	0	—	—	4	13	1	0	2	3	23	7	13	0
November	—	—	—	2.950	—	—	22	2	2	0	—	—	5	1	6	5	5	8	30	0	5	0
December	—	—	—	2.910	—	—	21	13	1	0	—	—	4	11	1	0	6	5	24	8	7	0
Year	—	—	—	24.840	—	—	160	34	20	8	—	—	31	65	52	8	61	50	304	76	114	0

GLENCARRON.

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

Rights at Sea																							
				ins.	ins.																		
January	-	8.0	8.5	8.3	11.260	2.610	22nd	26	1	0	0	—	—	4	2	3	12	2	1	2	38	2	0
February	-	8.3	6.6	7.5	8.960	1.700	24th	18	0	0	0	2	15	1	3	4	5	0	1	0	41	2	0
March	-	8.4	8.0	8.2	3.590	.710	23rd	21	5	0	0	1	20	0	5	7	13	0	3	1	33	0	0
April	-	7.1	7.2	7.2	4.190	.820	3rd	17	1	0	0	4	15	0	10	2	17	5	0	0	25	1	0
May	-	7.4	7.2	7.3	4.120	1.480	21st	19	1	2	0	1	14	0	7	2	17	1	0	2	29	0	4
June	-	6.7	5.8	6.3	4.190	1.160	8th	15	0	0	0	6	15	0	11	3	10	1	1	3	29	1	1
July	-	8.2	7.9	8.1	7.360	.830	7th	27	0	0	0	0	17	0	3	0	10	1	2	0	45	1	0
August	-	8.7	8.0	8.4	5.780	1.540	7th	22	0	0	0	1	22	0	10	1	20	0	4	0	20	1	6
September	-	8.5	8.1	8.3	5.590	1.060	9th	21	0	0	0	1	23	0	6	4	16	1	2	0	28	0	3
October	-	8.7	8.4	8.6	8.430	1.460	22nd	28	3	0	0	1	25	0	2	1	13	0	0	0	43	2	1
November	-	8.2	8.4	8.3	7.440	2.180	25th	23	0	0	0	0	19	0	6	5	24	0	3	1	21	0	0
December	-	8.0	7.7	7.9	9.360	1.400	16th	28	0	0	0	1	16	0	1	3	14	0	2	0	38	2	2
Year	-	8.0	7.7	7.9	80.270	—	—	265	11	2	0	—	—	5	66	35	171	11	19	9	390	12	17

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

FORT AUGUSTUS

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

1887.	Mean Pressure at 32° Falt.	Air Temperature.								Humidity.									
		Means of			Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.661	38.5	39.1	38.8	34.7	43.9	21.1	6th	53.0	29th	1.6	1.6	1.6	in.	in.	in.	87	87	87
February	30.018	39.8	40.2	40.0	35.0	45.0	26.2	6th	54.0	28th	2.0	2.1	2.1	2.06	2.07	2.07	84	84	84
March	29.934	37.2	38.2	37.7	31.6	46.1	11.7	12th	55.9	7th	1.4	2.0	1.7	1.94	1.92	1.93	87	84	86
April	29.908	41.6	41.4	41.5	33.7	49.4	22.7	8th	59.5	25th	2.8	2.3	2.6	2.07	2.14	2.11	80	83	82
May	29.960	48.4	47.7	48.1	39.6	56.4	23.1	18th	69.8	31st	3.6	2.6	3.1	2.56	2.69	2.63	76	82	79
June	30.084	56.9	56.0	56.5	47.9	65.7	38.1	14th	83.3	18th	3.4	2.8	3.1	3.65	3.70	3.68	79	82	81
July	29.807	57.6	57.2	57.4	50.9	65.7	35.6	18th	77.8	8th	3.8	3.4	3.6	3.67	3.70	3.69	78	79	79
August	28.822	56.1	55.3	55.7	48.5	63.6	39.4	22nd	75.9	4th	3.4	2.9	3.2	3.57	3.56	3.57	78	81	80
September	27.92	50.4	49.3	49.9	44.2	56.7	34.0	20th	62.2	1st	2.2	2.0	2.1	3.10	3.01	3.06	85	86	86
October	29.956	43.1	43.2	43.2	38.5	50.5	27.2	12th	61.2	3rd	1.3	1.7	1.5	2.50	2.43	2.47	89	87	88
November	29.578	40.0	41.0	40.5	35.9	45.1	19.5	15th	52.4	26th	1.8	2.0	1.9	2.11	2.15	2.13	86	84	85
December	29.605	34.7	35.6	35.2	29.2	40.5	17.0	11th	51.0	2nd	1.1	1.1	1.1	1.80	1.89	1.85	90	90	90
Year	29.844	45.4	45.4	45.4	39.1	52.4	—	—	—	—	2.4	2.2	2.3	2.59	2.61	2.60	83.3	84.1	83.7

BRAEMAR

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

1887.	ins.	Air Temperature.								Humidity.									
		Means of			Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	28.534	34.5	35.1	34.8	31.1	39.5	13.7	15th	50.2	29th	1.4	1.5	1.5	1.77	1.78	1.78	86.5	84.7	85.6
February	28.82	35.9	37.4	36.7	33.3	43.7	19.5	10th	56.5	28th	2.1	2.1	2.1	1.75	1.86	1.81	82.4	82.7	82.6
March	27.83	32.6	34.2	33.4	28.0	43.1	16.6	16, 17	53.3	30th	1.6	1.5	1.6	1.56	1.71	1.64	82.0	85.6	83.8
April	27.14	39.3	37.9	38.6	32.7	47.4	23.4	8th	60.7	11th	2.6	2.0	2.3	1.92	1.91	1.92	79.4	83.3	81.4
May	27.88	47.8	45.2	46.5	37.6	54.8	26.7	2nd	64.4	25th	4.7	3.2	4.0	2.34	2.35	2.35	69.6	77.3	73.5
June	29.44	59.8	56.6	58.2	45.7	68.8	33.4	2nd	81.2	22nd	6.0	3.6	4.8	3.51	3.65	3.58	68.6	78.5	73.6
July	26.63	57.7	55.1	56.4	49.4	64.9	36.7	6th, 31st	75.3	1st	4.7	3.7	4.2	3.51	3.38	3.45	73.0	77.3	75.2
August	26.95	55.1	52.3	53.7	45.5	62.4	36.4	3rd	73.3	4th	4.6	3.1	3.9	3.19	3.17	3.18	73.3	80.4	76.9
September	26.21	48.6	46.3	47.5	42.1	55.5	28.4	28th	64.7	2nd	2.9	2.1	2.5	2.77	2.67	2.72	81.0	84.9	83.0
October	27.68	40.4	39.8	40.1	34.3	47.1	26.4	16th	58.2	4th	2.1	2.0	2.1	2.12	2.08	2.10	83.4	83.4	83.4
November	28.409	35.4	36.3	35.9	31.3	41.4	19.4	15th	50.1	26th	1.1	1.4	1.3	1.88	1.89	1.89	89.0	87.1	88.1
December	28.395	31.3	33.1	32.2	27.5	38.8	8.9	22nd	49.5	3rd	1.2	1.6	1.4	1.56	1.61	1.59	84.3	83.1	83.7
Year	28.683	43.2	42.4	42.8	36.5	50.6	—	—	—	—	2.9	2.3	2.6	2.32	2.34	2.33	79.4	82.4	80.9

FORT WILLIAM

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

1887.	ins.	Air Temperature.								Humidity.									
		Means of			Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.713	39.1	39.2	39.2	35.7	43.0	24.0	10th	51.7	26th	1.0	1.1	1.1	2.19	2.18	2.19	92	91	92
February	30.086	39.5	40.4	40.0	36.2	45.9	29.2	9th	49.9	3rd	1.2	1.6	1.4	2.18	2.18	2.18	90	87	89
March	29.992	37.2	38.7	38.0	33.8	45.5	16.7	13th	55.7	7th	1.1	1.6	1.4	2.00	2.04	2.02	90	87	89
April	29.952	42.4	41.2	41.8	35.8	56.8	27.3	8th	59.8	11th	2.8	2.0	2.4	2.14	2.17	2.16	79	85	82
May	30.006	49.0	48.3	48.7	42.0	57.8	30.2	1st	68.0	26th	4.5	2.7	3.6	2.45	2.74	2.60	70	81	76
June	30.131	58.1	57.2	57.7	49.1	68.7	40.3	14th	85.9	24th	3.1	3.0	3.1	3.92	3.81	3.87	80	81	81
July	29.865	57.6	56.5	57.1	51.1	65.4	40.5	18th	79.9	8th	3.0	2.6	2.8	3.88	3.81	3.85	82	83	83
August	28.74	56.4	54.7	55.6	49.9	64.7	40.5	21st	74.8	24th	3.3	2.3	2.8	3.62	3.63	3.63	80	85	83
September	29.837	50.9	50.0	50.5	44.4	59.1	30.7	25th	64.8	20th	2.1	2.2	2.2	3.20	3.04	3.12	87	85	86
October	30.007	44.5	44.2	44.4	39.4	51.1	26.3	12th	59.6	3rd	1.9	2.2	2.1	2.51	2.42	2.47	86	83	85
November	29.615	40.1	40.3	40.2	35.2	45.1	25.0	16th	52.4	26th	1.6	1.3	1.5	2.16	2.23	2.20	87	90	89
December	29.658	35.4	36.1	35.8	30.9	41.7	19.2	11th	52.7	1st	1.1	1.7	1.4	1.86	1.81	1.84	90	85	88
Year	29.895	45.9	45.6	45.8	40.3	53.7	—	—	—	—	2.2	2.0	2.1	2.68	2.67	2.68	84.4	85.3	84.9

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

FORT AUGUSTUS.

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

1887.	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.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	—	—	—	5.870	1.330	18th	20	2	1	0	—	—	11	0	2	2	0	7	45	4	1	1
February	—	—	—	5.450	1.150	24th	17	1	0	0	—	—	6	1	1	2	0	8	36	3	0	5
March	—	—	—	1.760	.660	22nd	15	3	0	0	—	—	3	4	6	0	0	3	33	6	2	8
April	—	—	—	1.540	.480	19th	16	3	0	0	—	—	0	6	17	0	1	5	26	1	1	3
May	—	—	—	0.990	.200	18th	17	0	2	0	—	—	3	7	18	0	0	1	29	3	1	3
June	—	—	—	1.590	.690	8th	13	0	0	1	—	—	0	4	11	4	0	4	27	1	0	9
July	—	—	—	4.350	.600	9th	24	0	0	0	—	—	1	0	3	3	0	1	40	3	3	9
August	—	—	—	2.230	.240	29th	19	0	0	2	—	—	1	9	7	4	0	1	25	1	0	15
September	—	7.4	—	—	—	—	18	0	0	0	—	—	1	7	15	0	0	8	21	3	0	6
October	—	7.5	5.2	6.4	3.040	.620	20	2	0	0	—	—	2	4	11	0	1	2	33	6	1	4
November	—	8.0	—	—	3.300	.800	24	1	0	0	—	—	5	5	13	3	1	4	25	3	2	4
December	—	—	—	3.570	.660	5th	23	1	0	0	—	—	2	4	5	0	0	4	31	9	3	6
Year	—	—	—	37.450	—	—	226	13	3	3	—	—	35	51	109	18	3	48	371	43	14	73

BRAEMAR.

Heights above Ground:—Bar

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

LEDNATHIE

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

Long. 5° 7' W. Lat. 56° 45' N. Height above Mean Sea Level, 719 feet.																			
1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.							
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 28.984	35.1	35.5	35.3	30.2	39.9	13.6	15th	50.6	29th	1.7	1.4	1.6	in. .171	in. .181	in. .176	83	87	85
February	29.343	35.4	36.5	36.0	30.9	44.6	16.5	10th	56.4	28th	1.6	1.9	1.8	.177	.181	.179	86	83	85
March	206	35.7	34.8	35.3	28.3	44.7	16.9	16th	57.0	30th	2.5	1.6	2.1	.163	.170	.167	78	84	81
April	.169	41.4	37.9	39.7	32.0	49.1	22.2	8th	60.6	17th	4.2	2.2	3.2	.181	.187	.184	69	82	76
May	.230	48.4	44.7	46.6	37.4	56.5	25.9	2nd	65.2	16th	4.7	2.7	3.7	.234	.236	.235	69	80	75
June	.380	59.3	53.6	56.5	44.4	68.2	32.7	1st	81.8	18th	5.7	2.5	4.1	.341	.342	.342	68	83	76
July	.125	58.2	55.1	56.7	48.1	66.9	31.5	18th	77.2	1st	4.8	3.4	4.1	.350	.341	.346	72	78	75
August	.125	56.2	51.8	54.0	44.7	64.0	36.0	3rd	71.8	4th	4.7	2.5	3.6	.326	.321	.324	72	83	78
September	.064	51.0	47.2	49.1	41.8	58.1	27.0	28th	67.0	11th	3.3	2.1	2.7	.292	.275	.284	78	86	82
October	29.211	41.8	39.4	40.6	32.9	49.7	22.7	16th	64.0	3rd	2.8	2.2	2.5	.209	.199	.204	79	83	81
November	28.868	36.8	37.4	37.1	32.0	43.2	20.7	12th	52.6	5th	1.5	1.7	1.6	.190	.191	.191	88	86	87
December	28.869	32.2	34.0	33.1	26.7	38.4	9.2	22nd	52.5	1st	1.6	1.6	1.6	.147	.164	.156	80	83	82
Year	29.131	44.3	42.3	43.3	35.8	51.9	—	—	—	—	3.3	2.2	2.8	.232	.232	.232	76.8	83.2	80.0

LAUDALE

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

January	ins. 29.727	39.9	40.7	40.3	35.8	45.0	22.7	4th	56.0	26th	1.5	1.7	1.6	in. 1.222	in. 1.226	in. 1.224	87.5	86.5	87.0
February	30.103	41.9	42.4	42.2	38.1	46.3	30.7	13th	53.7	24th	2.3	2.1	2.2	1.220	1.230	1.225	82.4	84.6	83.5
March	30.004	38.4	39.2	38.8	33.9	45.6	17.0	12th	54.8	7th	1.5	1.7	1.6	1.207	1.210	1.209	87.5	86.0	86.8
April	29.964	43.1	41.7	42.4	36.6	49.4	28.6	7th	57.8	12th	2.5	1.8	2.2	1.229	1.229	1.229	81.7	85.9	83.8
May	30.020	50.5	48.7	49.6	42.6	58.0	30.6	3rd	66.9	5th	3.4	2.5	3.0	1.287	1.286	1.287	77.6	82.7	80.2
June	30.147	60.1	56.9	58.5	50.9	65.7	45.0	2nd	79.9	17th	3.9	2.8	3.4	1.405	1.383	1.394	77.8	82.8	80.3
July	29.878	59.2	57.3	58.3	51.8	64.4	41.5	17th	74.2	8th	3.7	2.4	3.1	1.394	1.402	1.398	78.3	85.2	81.8
August	878	57.1	55.8	56.5	51.1	63.3	40.3	21st	69.8	5th	3.4	2.9	3.2	1.373	1.367	1.370	79.8	82.1	81.0
September	29.843	52.1	50.6	51.4	45.7	57.9	36.2	28th	63.3	1st	2.5	1.9	2.2	1.327	1.323	1.325	83.4	87.3	85.4
October	30.021	45.5	45.4	45.5	40.4	50.8	31.3	12th	58.0	3rd	2.0	2.1	2.1	1.263	1.262	1.263	85.5	84.6	85.1
November	29.618	41.1	42.2	41.7	36.6	45.8	26.7	15th	53.3	26th	1.7	2.2	2.0	1.225	1.226	1.226	86.3	83.3	84.8
December	29.671	37.5	37.9	37.7	32.3	42.6	23.0	22nd	53.0	1st	1.5	1.5	1.5	1.200	1.202	1.201	86.7	86.6	86.7
Year	29.906	47.2	46.6	46.9	41.3	52.9	—	—	—	—	2.5	2.1	2.3	1.279	1.279	1.279	82.9	84.8	83.9

DUNDEE

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

January	ins. 29.616	37.4	37.4	37.4	33.5	41.1	23.8	15th	50.6	27, 29	1.4	1.3	1.4	in. 1.199	in. 1.201	in. 1.200	87.0	87.5	87.3
February	982	38.0	39.0	38.5	34.6	44.5	22.1	9th	51.8	27th	1.5	1.6	1.6	1.203	1.209	1.206	86.9	87.0	87.0
March	836	38.4	36.9	37.7	32.3	46.2	22.3	13th	58.7	29th	2.2	1.4	1.8	1.191	1.195	1.193	80.8	87.1	84.0
April	802	43.9	40.0	42.0	34.8	50.8	26.0	1st	59.4	18th	3.7	1.8	2.8	1.213	1.213	1.213	73.9	85.6	79.8
May	852	51.2	46.2	48.7	41.2	58.1	32.2	2nd	67.5	27th	4.1	2.1	3.1	1.280	1.268	1.274	74.1	85.3	79.7
June	998	61.3	55.0	58.2	48.9	69.2	39.2	1st	88.9	18th	5.2	2.4	3.8	1.390	1.372	1.381	71.8	85.3	78.6
July	729	62.5	58.0	60.3	52.2	70.9	38.9	6th	81.5	1st	4.5	3.0	3.8	1.427	1.396	1.412	75.2	81.9	78.6
August	724	59.0	55.0	57.0	49.4	67.6	42.2	22nd	80.2	5th	4.3	1.8	3.1	1.379	1.383	1.381	75.3	88.2	81.8
September	671	52.3	49.9	51.1	45.6	59.3	33.4	28th	66.5	2nd	2.4	1.5	2.0	1.334	1.323	1.329	84.6	89.5	87.1
October	834	43.4	42.0	42.7	36.9	51.1	28.5	12th	62.6	3rd	2.5	1.8	2.2	1.232	1.233	1.233	81.1	85.6	83.4
November	485	39.0	39.2	39.1	35.1	43.3	28.3	30th	50.2	26th	1.3	1.3	1.3	1.213	1.215	1.214	88.8	89.2	89.0
December	29.499	34.9	35.5	35.2	30.6	39.9	22.5	11th	52.8	1st	1.4	1.6	1.5	1.178	1.178	1.178	85.2	84.4	84.8
Year	29.752	46.8	44.5	45.7	39.6	53.5	—	—	—	—	2.9	1.8	2.4	1.270	1.266	1.268	80.4	86.4	83.4

MONTHLY SUMMARIES.—LEDNATHIE—LAUDALE—DUNDEE.

LEDNATHIE.

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

1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	—	—	—	ins. 2.640	—	—	17	12	0	0	—	—	4	3	6	2	3	2	13	23	4	6
February	—	—	—	2.570	—	—	13	5	1	0	—	—	3	1	1	1	7	1	13	11	12	9
March	—	—	—	1.310	—	—	7	8	4	0	—	—	2	3	2	2	5	3	7	13	20	7
April	—	—	—	3.110	—	—	10	6	2	1	—	—	1	13	8	0	5	3	4	12	11	4
May	—	—	—	0.850	—	—	7	2	3	0	—	—	4	10	4	2	17	3	2	10	12	2
June	—	—	—	2.840	2.240*	18th	6	0	0	1	—	—	2	2	3	4	11	1	6	17	7	9
July	—	—	—	3.690	—	—	18	0	1	2	—	—	4	3	3	3	4	6	20	10	11	2
August	—	—	—	3.000	—	—	12	0	0	3	—	—	1	8	5	6	5	1	10	6	13	8
September	—	—	—	2.060	—	—	12	0	0	2	—	—	3	6	5	7	3	2	6	8	15	8
October	—	—	—	1.900	—	—	10	5	0	0	—	—	4	12	4	4	1	0	7	10	18	6
November	—	—	—	3.010	—	—	13	1	0	0	—	—	6	8	14	2	4	2	3	11	7	9
December	—	—	—	3.250	—	—	13	9	0	0	—	—	3	11	3	2	3	2	3	12	23	3
Year	—	—	—	30.230	—	—	138	48	11	9	—	—	37	80	58	35	68	26	94	143	153	73

* Fell in 40 minutes.

LAUDALE.

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

Heights above Ground:—Barometer, 11 feet Thermometer																							
					ins.	ins.																	
January	-	8.4	8.1	8.3	11.270	1.460	10th	25	17	5	1	1	18	13	0	1	5	6	16	10	12	2	10
February	-	7.1	7.3	7.2	8.110	1.460	2nd	16	9	6	0	3	16	11	1	0	2	3	20	6	8	7	9
March	-	7.3	5.5	6.4	2.970	1.870	26th	21	15	1	0	4	10	2	3	2	7	4	1	4	6	14	21
April	-	5.9	5.2	5.6	4.540	1.800	20th	17	8	3	1	6	5	1	3	6	4	0	2	5	10	10	20
May	-	7.2	7.6	7.4	2.410	1.530	18th	15	2	2	0	1	15	2	4	8	15	2	5	5	11	6	6
June	-	7.0	6.2	6.6	3.230	1.650	11th	14	0	0	1	4	13	3	2	1	2	1	2	5	8	34	
July	-	8.3	8.4	8.4	5.820	1.950	26th	26	0	0	2	0	20	1	5	1	1	2	5	13	15	6	14
August	-	8.1	7.6	7.9	3.710	1.650	26th	21	0	0	1	0	14	1	3	5	3	14	3	5	6	7	16
September	-	6.9	6.4	6.7	4.140	1.300	8th	16	1	1	0	2	12	0	4	0	3	3	0	4	9	6	31
October	-	8.0	7.3	7.7	6.130	1.280	31st	22	10	1	0	0	16	0	8	0	3	1	3	3	11	8	25
November	-	8.0	7.4	7.7	6.130	1.080	25th	21	11	2	0	0	15	2	3	2	12	7	8	4	7	3	14
December	-	7.8	6.3	7.1	8.970	1.610	15th	21	15	5	1	0	13	4	5	2	1	4	3	6	11	9	21
Year	-	7.5	6.9	7.2	67.430	—	—	235	88	26	7	21	167	40	41	28	58	47	68	70	111	86	221

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

OCHTERTYRE -

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.											
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January -	ins. 29.436	36.8	37.7	37.3	32.7	42.3	20.0	17th	53.5	28th	1.5	1.4	1.5	in.	in.	in.	88	88	88			
February -	794	36.9	39.1	38.0	33.1	46.6	20.0	9th	53.5	13th	1.4	2.6	2.0	193	189	191	89	80	85			
March -	668	38.0	38.2	38.1	31.4	47.6	23.0	13th	59.5	28th	2.3	2.8	2.6	185	178	182	81	77	79			
April -	624	43.4	41.7	42.6	34.1	53.5	26.0	27th	64.5	12th	3.4	3.6	3.5	211	194	203	75	74	75			
May -	674	51.9	49.5	50.7	40.1	60.6	30.0	1st	70.5	29th	5.2	4.7	5.0	262	246	254	68	70	69			
June -	825	61.1	57.0	59.1	47.6	71.0	37.0	1st	87.7	19th	5.6	4.1	4.9	370	349	360	69	75	72			
July -	558	60.7	57.4	59.1	50.9	71.3	39.0	6th	81.5	1st	5.3	3.9	4.6	371	360	366	70	76	73			
August -	558	57.7	53.8	55.8	47.1	67.5	38.0	22nd	75.5	6th	4.2	2.6	3.4	358	342	350	75	82	79			
September -	501	52.8	49.9	51.4	43.9	61.6	33.0	28th	67.5	22nd	2.9	2.0	2.5	324	309	317	80	87	84			
October -	670	45.1	43.3	44.2	35.5	53.9	28.0	12th	65.5	4th	3.1	2.7	2.9	232	223	228	77	80	79			
November -	300	38.5	39.4	39.0	23.4	45.5	25.0	15th	53.5	6th	1.7	1.4	1.6	199	214	207	86	89	88			
December -	29.355	34.1	35.9	35.0	29.2	43.0	20.0	11th	54.5	1st	1.7	1.9	1.8	163	176	170	82	83	83			
Year -	29.580	46.4	45.2	45.8	38.3	55.4	—	—	—	—	3.2	2.8	3.0	255	248	252	78.3	80.1	79.2			

CALLTON MOR -

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

1887.	ins.	Air Temperature.									Humidity.											
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January -	29.644	38.7	38.3	38.5	34.7	41.7	18.4	7th	52.3	30th	1.0	1.4	1.2	in.	in.	in.	92	88	90			
February -	30.022	40.7	40.1	40.4	37.0	43.8	29.4	9th	51.3	24th	2.3	1.4	1.9	216	203	210	82	89	86			
March -	29.894	39.3	37.9	38.6	33.6	42.1	14.4	12th	47.3	2nd	1.7	1.2	1.5	207	205	206	87	90	89			
April -	854	44.9	40.0	42.5	35.6	50.5	25.4	14th	61.3	13th	3.8	1.7	2.8	217	213	215	73	86	80			
May -	29.993	51.7	47.1	49.4	42.1	58.3	30.4	1st	72.3	28th	4.6	2.9	3.8	271	256	264	71	79	75			
June -	30.041	61.6	55.2	58.4	50.8	68.4	40.4	14th	85.3	25th	6.0	2.7	4.4	366	360	363	67	83	75			
July -	29.774	59.9	54.9	57.4	52.6	66.2	38.4	6th	74.3	9th	4.1	1.7	2.9	392	382	387	76	89	83			
August -	774	57.9	53.3	55.6	50.3	65.3	39.4	21st	72.3	24th	4.0	2.2	3.1	366	346	356	76	85	81			
September -	732	53.7	49.6	51.7	45.7	59.4	34.4	28th	66.3	25th	3.2	2.0	2.6	327	305	316	79	86	83			
October -	915	46.6	44.5	45.6	39.7	52.2	28.4	15th	63.3	1st	3.0	2.3	2.7	250	242	246	79	83	81			
November -	512	40.3	40.3	40.3	35.4	46.4	22.4	15th	51.3	26th	1.8	2.1	2.0	214	208	211	86	84	85			
December -	29.572	36.7	36.9	36.8	32.0	42.1	20.4	22nd	51.3	24th	1.3	1.4	1.4	193	193	193	89	89	89			
Year -	29.803	47.7	44.8	46.3	40.8	53.0	—	—	—	—	3.1	1.9	2.5	269	261	265	79.8	85.9	82.9			

GLASGOW

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

1887.	ins.	Air Temperature.									Humidity.											
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January -	29.621	38.0	38.6	38.3	35.4	41.7	25.0	15th	50.7	19th	1.4	1.2	1.3	205	213	209	87.0	88.2	87.6			
February -	989	39.2	40.0	39.6	36.4	44.6	25.7	9th	55.1	27th	1.6	1.7	1.7	211	215	213	86.3	86.2	86.3			
March -	837	38.0	38.3	38.2	34.2	43.8	20.1	13th	54.0	30th	1.7	1.6	1.7	198	201	200	84.3	84.8	84.6			
April -	797	43.1	41.0	42.1	36.3	50.7	31.2	14th	59.3	10th	3.2	2.3	2.8	216	212	214	77.4	81.9	79.7			
May -	841	50.9	48.3	49.6	43.1	57.9	35.4	21st	67.0	24th	4.6	3.0	3.8	266	271	269	71.3	79.9	75.6			
June -	987	58.7	56.4	57.6	48.3	67.2	40.6	21st	82.7	25th	4.6	3.5	4.1	366	361	364	74.2	79.1	76.7			
July -	730	60.2	57.7	59.0	51.2	66.6	40.2	6th	77.9	8th	4.4	3.2	3.8	391	387	389	75.2	81.2	78.2			
August -	720	57.8	55.6	56.7	47.8	64.4	39.2	15th	72.7	5th	4.2	2.7	3.5	362	369	366	75.4	83.1	79.3			
September -	672	51.2	49.8	50.5	43.7	58.3	36.6	28th	64.1	1st	2.2	1.6	1.9	323	320	322	85.4	88.9	87.2			
October -	850	43.8	43.5	43.7	36.4	51.6	27.1	12th	59.8	8th	2.4	2.4	2.4	239	237	238	82.1	82.2	82.2			
November -	465	39.7	40.4	40.1	34.7	44.5	26.1	15th	51.2	26th	1.6	1.8	1.7	214	216	215	86.6	85.2	85.9			
December -	29.518	36.2	36.1	36.2	30.2	42.6	20.2	22nd	51.7	1st	1.4	1.4	1.4	190	188	189	87.5	86.5	87.0			
Year -	29.752	46.4	45.5	46.0	39.8	52.8	—	—	—	—	2.8	2.2	2.5	265	266	266	81.1	83.9	82.5			

MONTHLY SUMMARIES.—OCHTERTYRE—CALLTON MOR—GLASGOW.

OCHTERTYRE.

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

Heights above Ground:—Barometer, 4 feet. Thermometer, 6 feet.																								
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of										
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January -	7.1	7.9	7.5	ins.	ins.	18th	18	5	0	0	1	14	3	0	1	15	0	1	22	16	3	4		
February -	6.2	6.1	6.2	2.950	.760	3rd	14	0	0	1	5	12	2	1	2	5	2	1	13	13	3	16		
March -	6.4	5.6	6.0	1.680	.590	11th	11	4	0	0	5	12	1	8	6	9	1	0	1	16	8	13		
April -	6.0	4.6	5.3	2.200	.630	21st	12	2	0	2	3	6	0	5	5	13	0	0	4	21	6	6		
May -	6.5	6.0	6.3	0.480	.260	20th	7	0	0	0	2	7	1	4	11	13	0	0	4	12	13	5		
June -	5.5	3.9	4.7	1.310	.610	19th	7	0	0	0	7	6	1	0	1	18	0	0	9	16	8	8		
July -	7.2	6.5	6.9	2.360	.760	27th	15	0	0	1	0	7	1	2	1	1	1	1	14	32	8	2		
August -	6.6	5.4	6.0	3.880	.980	7th	14	0	0	2	2	5	2	7	2	4	1	2	10	16	13	7		
September	6.4	5.9	6.2	3.660	.830	5th	19	0	0	1	2	6	0	7	8	12	0	0	4	15	6	8		
October -	5.0	4.5	4.8	0.910	.250	29th	10	0	0	0	9	5	0	10	6	2	0	0	11	14	12	7		
November	7.0	7.5	7.3	3.880	.890	7th	19	1	0	0	1	14	3	2	9	16	1	2	13	13	0	4		
December	5.6	4.8	5.2	2.560	.390	7th	16	0	0	0	6	4	3	4	12	4	1	0	7	20	6	8		
Year	6.3	5.7	6.0	30.180	—	—	162	12	0	7	43	98	17	50	64	112	7	7	112	204	86	88		

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

ROSEWELL -

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January -	ins. 29.070	36.0	35.9	36.0	31.7	41.5	18.0	10th	53.4	28th	1.1	1.1	1.1	in.	in.	in.	%	%	%	
February -	.429	37.4	37.7	37.6	32.5	45.1	22.0	9th	55.4	28th	1.8	1.8	1.8	189	192	192	90	91	91	
March -	.238	35.5	35.6	35.6	30.8	42.4	22.0	15th	54.2	30th	1.5	1.6	1.6	179	179	179	86	85	85	
April -	.243	40.5	38.2	39.4	32.8	48.7	27.0	5th	61.2	18th	2.4	2.1	2.3	204	190	197	81	83	82	
May -	.305	47.2	45.2	46.2	39.2	55.4	23.0	20th	64.4	24th	3.2	2.3	2.8	251	249	250	78	83	81	
June -	.432	57.1	54.8	56.0	47.2	66.7	37.4	1st	81.0	18th	4.0	2.9	3.5	353	350	352	76	81	79	
July -	.204	58.8	56.5	57.7	51.1	66.8	43.4	18th	80.0	8th	4.2	2.7	3.5	373	379	376	75	83	79	
August -	.193	56.1	53.9	55.0	46.9	65.1	40.0	15th	68.2	3rd	3.7	3.4	3.6	349	344	337	76	78	77	
September	.128	50.0	48.8	49.4	43.1	58.1	32.0	28th	68.4	1st	2.3	1.8	2.1	302	300	301	84	87	86	
October -	29.286	41.7	40.9	41.3	35.7	50.0	28.0	12th	68.0	3rd	1.9	1.5	1.7	225	224	225	86	88	87	
November	28.924	37.7	37.5	37.6	33.1	42.5	25.0	16th	49.4	27th	1.5	0.9	1.2	197	207	202	87	92	90	
December	28.931	34.7	34.7	34.7	31.4	41.6	25.0	11th	50.4	3rd	0.8	1.5	1.2	186	172	179	94	85	90	
Year -	29.199	44.4	43.3	43.9	38.0	52.0	—	—	—	—	2.4	2.0	2.2	250	247	249	83.2	85.0	84.1	

ROTHESAY -

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

January -	ins. 29.697	38.8	38.4	38.6	34.6	43.5	22.4	7th	53.9	29th	1.5	1.6	1.6	in.	in.	in.	%	%	%
February -	30.065	40.6	40.5	40.6	37.0	46.7	29.0	9th	51.9	3rd	1.7	2.0	1.9	221	214	218	86.7	85.3	86.0
March -	29.926	39.8	38.0	38.9	34.1	46.8	22.4	13th	56.2	30th	2.2	1.8	2.0	205	195	200	81.6	82.9	82.3
April -	.883	44.7	40.4	42.6	36.2	51.6	29.6	14th	59.7	11, 12	3.3	2.2	2.8	229	210	220	77.2	82.3	79.8
May -	29.935	51.8	48.1	50.0	42.3	59.3	33.4	1st	71.5	27th	4.4	2.7	3.6	281	276	279	72.1	81.6	76.9
June -	30.073	60.2	56.1	58.2	49.8	67.5	42.3	14th	84.7	24th	4.5	3.1	3.8	392	367	380	76.1	81.6	78.9
July -	29.819	60.3	56.5	58.4	52.2	66.9	40.8	6th	78.6	8th	3.5	1.9	2.7	419	405	412	80.5	88.2	84.4
August -	.813	58.1	53.7	55.9	49.1	65.4	40.5	15th	73.5	4th	3.4	1.8	2.6	389	368	379	80.3	88.6	84.5
September -	.767	54.0	49.6	51.8	45.5	61.1	37.3	28th	68.0	3rd	2.6	1.6	2.1	350	318	334	84.0	88.7	86.4
October -	.948	47.1	43.6	45.4	39.1	53.3	29.4	12th	63.9	1st	2.9	2.1	2.5	263	244	254	79.5	83.3	81.4
November -	.549	40.8	41.2	41.0	37.6	46.3	27.4	15th	51.9	5, 26	1.9	1.9	1.9	218	221	220	84.1	84.2	84.2
December -	29.604	36.4	36.7	36.6	32.4	43.2	22.9	22nd	51.4	3rd	1.3	1.3	1.3	193	195	194	87.0	86.6	86.8
Year -	29.840	47.7	45.2	46.5	40.8	54.3	—	—	—	—	2.8	2.0	2.4	281	268	275	81.3	84.8	83.1

MARCHMONT -

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

January -	ins. 29.296	35.0	33.5	34.3	30.5	40.7	19.0	17th	53.0	27th	0.9	0.5	0.7	in.	in.	in.	%	%	%
February -	.666	37.7	37.1	37.4	33.0	44.5	20.0	10th	54.0	28th	1.5	1.0	1.3	197	201	199	87	91	89
March -	.494	37.4	35.5	36.5	31.6	44.1	20.0	13th	55.0	28th	1.7	0.7	1.2	191	195	193	86	94	90
April -	.465	42.7	38.7	40.7	34.1	49.4	28.0	5th	59.0	17th	3.1	1.5	2.3	211	206	209	77	88	83
May -	.499	48.1	44.6	46.4	40.0	55.0	31.0	2nd	68.0	17th	3.8	1.5	2.7	248	260	254	74	89	82
June -	.660	58.8	54.2	56.5	47.0	66.3	36.0	1st	84.0	18th	5.3	2.7	4.0	345	345	345	70	82	76
July -	.412	60.4	58.1	59.3	50.1	67.5	38.6	6th	80.0	1st	4.5	2.2	3.4	388	417	403	74	85	80
August -	.407	58.4	54.3	56.4	48.1	65.8	40.0	16th	77.0	4th	4.7	2.2	3.5	355	360	358	73	85	79
September -	.344	51.5	49.5	50.5	44.6	57.5	31.0	28th	65.0	1st	2.6	1.4	2.0	315	316	316	82	90	86
October -	.488	44.2	41.8	43.0	37.2	49.8	27.0	22nd	60.0	3rd	2.9	1.5	2.2	228	234	231	78	88	83
November -	.127	38.3	37.2	37.8	34.6	42.7	23.0	16th	51.0	5th	1.0	1.0	1.0	211	202	207	92	91	92
December -	29.149	35.2	33.6	34.4	30.6	39.5	22.0	22nd	50.0	1st	1.0	0.8	0.9	186	176	181	90	91	91
Year -	29.417	45.6	43.2	44.4	38.5	51.9	—	—	—	—	2.8	1.4	2.1	255	258	257	81.2	89.0	85.1

MONTHLY SUMMARIES.—ROSEWELL—ROTHESAY—MARCHMONT.

ROSEWELL.

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

1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	7.4	8.4	7.9	ins. 1.470	ins. 1.540	18th	14	3	0	0	2	19	2	1	2	0	1	4	41	2	11	0
February -	7.1	7.3	7.2	1.700	1.400	2nd	12	0	0	0	3	15	3	0	4	2	0	2	34	5	9	0
March -	8.0	7.5	7.8	2.070	1.000	11th	15	5	0	0	2	16	0	5	8	2	6	0	17	3	21	0
April -	8.0	8.5	8.3	1.380	1.390	20th	10	0	0	0	2	22	0	3	14	2	5	1	20	5	10	0
May -	8.5	9.5	9.0	2.500	1.280	19th	12	1	0	0	1	25	0	1	8	11	3	2	20	2	15	0
June -	7.1	7.0	7.1	0.450	2.000	4th	4	0	0	0	2	16	0	0	5	10	6	2	18	12	5	2
July -	8.4	9.4	8.9	2.830	1.500	9th	16	0	0	0	1	24	0	1	3	1	2	1	24	16	14	0
August -	8.7	9.5	9.1	2.520	1.900	17th	11	0	0	1	1	27	0	2	9	3	7	2	17	13	9	0
September -	8.9	9.1	9.0	5.600	1.750	5th	21	0	0	3	0	23	0	1	8	5	1	2	23	8	12	0
October -	7.9	9.5	8.7	2.580	1.650	7th	12	0	0	0	1	21	1	6	6	0	0	0	22	4	24	0
November -	9.2	9.0	9.1	4.580	1.890	7th	20	1	0	0	0	24	0	1	12	4	1	5	27	1	9	0
December -	8.8	9.9	9.4	1.900	1.370	16th	20	3	0	0	0	26	1	6	4	1	1	2	26	5	17	0
Year -	8.2	8.7	8.5	29.580	—	—	167	13	0	5	14	258	7	27	83	41	33	23	289	76	156	2

ROTHESAY.

Heights above Ground:—Barometer, 1 foot. Thermometers, 3 feet 11 inches. Rain-gauge, 1 foot.

		Heights above Ground.																					
		ins.			ins.																		
January	-	7.2	7.5	7.4	4.124	.702	10th	23	1	0	0	1	17	0	0	5	1	11	11	17	5	3	9
February	-	6.6	5.9	6.3	2.737	.440	2nd	16	2	0	1	2	10	0	1	1	3	9	11	13	8	3	7
March	-	6.2	5.0	5.6	2.286	.388	26th	14	2	0	0	7	10	0	2	8	7	3	1	11	10	8	12
April	-	5.6	4.4	5.0	2.370	.615	21st	14	3	0	0	10	8	0	3	12	6	1	4	9	9	12	4
May	-	6.2	6.1	6.2	1.187	.370	19th	9	1	1	0	4	7	0	1	13	7	3	0	8	11	14	5
June	-	5.8	4.7	5.3	1.556	.600	6th	11	0	0	0	9	9	0	0	17	1	4	2	8	12	10	6
July	-	7.2	7.8	7.5	3.153	.655	23rd	20	0	0	0	0	14	0	1	1	1	3	8	21	14	10	3
August	-	7.5	5.4	6.5	3.721	1.305	6th	20	0	0	0	3	10	0	0	4	2	11	4	3	8	20	10
September	-	5.8	5.1	5.5	4.532	.615	1st	18	0	0	0	4	8	0	3	7	4	2	2	6	7	14	15
October	-	6.3	5.8	6.1	2.356	.710	31st	16	1	0	0	6	12	0	2	7	2	0	1	10	10	22	8
November	-	7.3	7.8	7.6	3.275	.610	2nd	20	0	0	0	2	18	0	5	13	2	6	8	11	4	4	7
December	-	6.0	5.6	5.8	4.007	.880	8th	20	2	1	0	5	9	0	2	5	0	2	2	12	13	15	11
Year	-	6.5	5.9	6.2	35.304	—	—	201	12	2	1	53	132	0	20	93	36	55	54	120	111	135	97

WOLFELEE

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January -	ins. 29.188	33.8	35.4	34.6	27.3	40.2	14.5	6th	49.5	28th	1.0	0.8	0.9	in. 1.76	in. 1.96	in. 1.86	87.9	91.4	89.7		
February -	.542	35.4	36.7	36.1	29.3	43.9	14.0	10th	52.0	28th	1.3	1.3	1.3	1.87	1.96	1.92	87.3	88.4	87.9		
March -	.364	35.0	34.3	34.7	27.3	46.0	7.0	13th	57.0	29th	1.4	1.3	1.4	1.79	1.76	1.78	85.8	84.7	85.3		
April -	.335	41.9	37.9	39.9	30.4	50.7	21.0	5th	61.5	12th	3.3	1.8	2.6	2.03	1.94	1.99	75.9	84.1	80.0		
May -	.384	48.6	44.2	46.4	37.4	56.6	26.0	2nd, 5th	70.0	18th	3.6	2.4	3.0	2.64	2.42	2.53	76.3	82.2	79.3		
June -	.539	59.3	54.4	56.9	43.6	68.6	30.0	21st	84.0	19th	5.1	2.9	4.0	3.63	3.49	3.56	72.0	81.7	76.9		
July -	.305	61.6	56.6	59.1	47.6	70.7	31.0	6th, 18th	82.5	9th	4.6	2.3	3.5	4.08	3.96	4.02	74.8	85.7	80.3		
August -	.286	57.5	52.2	54.9	44.4	68.1	31.0	11, 14	79.0	5th	4.0	2.1	3.1	3.62	3.39	3.51	76.2	86.4	81.3		
September	.222	50.3	46.9	48.6	41.2	59.1	27.0	28th	66.0	4th	2.3	1.3	1.8	3.12	2.93	3.03	84.7	90.5	87.6		
October -	.386	41.7	40.0	40.9	33.2	50.5	19.0	12th	61.5	5th	2.3	1.2	1.8	2.22	2.26	2.24	81.6	89.4	85.5		
November	.019	37.3	36.5	36.9	30.5	42.3	13.0	16th	49.0	27th	1.0	0.9	1.0	2.04	2.01	2.03	90.5	91.6	91.1		
December	29.063	34.2	34.1	34.2	27.1	40.1	10.5	22nd	49.8	1st	1.0	1.0	1.0	1.83	1.80	1.82	90.3	89.3	89.8		
Year -	29.303	44.7	42.4	43.6	34.9	53.1	—	—	—	—	2.6	1.6	2.1	2.55	2.49	2.52	81.9	87.1	84.5		

PINMORE

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

	ins.													in.	in.	in.	%	%	%
January -	29.636	35.2	36.9	36.1	31.3	41.9	7.5	10th	50.4	28th	1.3	1.3	1.3	.190	.201	.196	86.7	85.3	86.0
February -	30.007	38.3	38.8	38.6	34.4	45.4	25.5	11th	52.1	23rd	1.3	1.4	1.4	.209	.210	.210	88.3	87.0	87.7
March -	29.843	38.1	36.5	37.3	31.8	48.1	13.5	13th	58.1	6th	1.7	1.2	1.5	.200	.195	.198	85.2	88.8	87.0
April -	.797	45.3	38.1	41.7	32.8	54.5	21.5	14th	64.5	12th	3.7	1.5	2.6	.227	.203	.215	75.1	87.1	81.1
May -	.850	52.7	46.9	49.8	40.2	59.6	28.0	1st	71.3	28th	4.8	2.3	3.6	.283	.272	.278	71.1	84.2	77.7
June -	.988	62.8	55.3	59.1	47.8	70.8	34.8	21st	87.0	24th	6.1	2.4	4.3	.392	.372	.382	69.8	84.6	77.2
July -	.753	61.7	56.9	59.3	51.7	67.6	39.4	6th	78.5	1st	4.2	2.0	3.1	.419	.406	.413	76.5	87.0	81.8
August -	.734	59.0	53.3	56.2	47.6	66.0	36.7	20th	73.1	5th	3.6	1.9	2.8	.397	.358	.378	79.5	87.7	83.6
September	.679	52.6	48.5	50.6	42.6	60.6	32.7	29th	68.0	20th	2.1	1.2	1.7	.343	.316	.330	86.3	91.9	89.1
October -	.867	44.1	42.6	43.4	36.3	52.4	22.8	15th	63.1	1st	2.1	1.5	1.8	.250	.246	.248	84.7	87.9	86.3
November	.462	37.9	38.0	38.0	32.2	46.5	19.0	20th	53.1	8th	1.4	1.4	1.4	.204	.206	.205	86.2	86.8	86.5
December	29.544	35.7	35.8	35.8	29.9	42.5	13.8	22nd	51.1	4th	1.1	1.0	1.1	.194	.195	.195	89.8	90.2	90.0
Year -	29.763	47.0	44.0	45.5	38.2	54.5	—	—	—	—	2.8	1.6	2.2	.276	.265	.271	81.6	87.4	84.5

GLENLEE

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

	ins.													in.	in.	in.	%	%	%
January -	29.632	35.4	36.6	36.0	30.5	41.7	10.0	10th	51.0	19th	0.8	1.0	0.9	1.192	1.197	1.195	93	91	92
February -	.982	38.2	38.3	38.3	32.4	44.5	18.0	9th	52.0	23rd	1.3	1.4	1.4	2.04	2.03	2.04	88	88	88
March -	.820	37.7	36.4	37.1	30.9	45.6	14.0	13th	59.0	30th	1.7	1.6	1.7	1.93	1.85	1.89	85	86	86
April -	.784	44.5	39.1	41.8	32.6	50.8	24.0	8th	62.0	11th	3.9	2.0	3.0	2.12	2.00	2.06	72	84	78
May -	.818	50.8	47.5	49.2	40.8	59.2	26.0	1st	67.0	31st	7.9	3.1	5.5	2.01	2.57	2.29	56	79	68
June -	.967	61.5	56.1	58.8	46.6	70.0	35.0	22nd	83.0	25th	5.4	3.6	4.5	3.80	3.52	3.66	70	77	74
July -	.733	61.6	57.6	59.6	52.0	67.8	34.0	6th	80.0	8th	5.1	3.2	4.2	3.90	3.82	3.86	72	80	76
August -	.730	58.3	52.9	55.6	46.2	64.0	34.0	21st	73.0	5th	3.6	1.5	2.6	3.81	3.59	3.70	78	90	84
September	.653	52.9	48.3	50.6	42.9	58.7	32.0	28th	65.0	20th	2.6	1.2	1.9	3.31	3.09	3.20	83	92	88
October -	.816	44.1	42.2	43.2	35.9	51.0	24.0	16th	63.0	1st	2.9	1.8	2.4	2.27	2.31	2.29	77	87	82
November	.428	39.0	38.4	38.7	32.9	44.4	19.0	24th	51.0	5th	1.7	1.2	1.5	2.05	2.08	2.07	86	90	88
December	29.496	36.1	36.4	36.3	30.9	41.4	22.0	16th	50.2	1st	1.1	1.3	1.2	1.92	1.91	1.92	90	89	90
Year -	29.738	46.7	44.2	45.5	37.9	53.3	—	—	—	—	3.2	1.9	2.6	2.59	2.56	2.58	79.2	86.1	82.7

WOLFELEE.

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

Heights above Ground. — Barometer, 14.500.																						
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	—	—	—	ins. 3' 348	ins. '630	31st	11	5	0	0	—	—	—	0	0	1	4	7	43	6	1	0
February -	—	—	—	2' 290	'730	2nd	8	0	0	1	—	—	—	0	2	3	6	5	23	16	1	0
March -	—	—	—	1' 800	—	—	8	9	0	0	—	—	—	6	6	0	5	8	15	7	15	0
April -	—	—	—	1' 440	'350	21st	11	5	1	1	—	—	—	4	13	5	1	3	13	8	13	0
May -	—	—	—	0' 940	'340	19th	14	1	0	0	—	—	—	8	15	8	2	4	7	12	6	0
June -	—	—	—	0' 400	'220	3rd	2	0	0	1	—	—	—	3	18	3	2	0	14	11	9	0
July -	—	—	—	3' 600	'810	9th	18	0	0	2	—	—	—	0	7	0	0	1	27	17	10	0
August -	—	—	—	2' 070	'500	29th	9	0	0	2	—	—	—	0	6	4	0	4	26	9	13	0
September -	—	—	—	4' 530	'970	5th	21	0	0	2	—	—	—	4	10	9	2	1	2	19	13	0
October -	—	—	—	1' 440	'430	7th	8	0	0	0	—	—	—	9	6	4	4	0	10	19	10	0
November -	—	—	—	4' 500	'800	7th	20	3	0	0	—	—	—	3	18	4	8	2	12	7	6	0
December -	—	—	—	3' 560	'550	13th	15	8	0	0	—	—	—	4	5	2	2	2	26	11	10	0
Year -	—	—	—	29' 918	—	—	145	31	1	9	—	—	—	41	106	43	36	37	218	142	107	0

CRAMLINGTON

Long. 1° 35' W. Lat. 55° 5' N. Height above Mean Sea Level, 255 feet.

1887.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.						
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January	ins.	36.1	35.8	36.0	30.3	40.7	18.6	17th	55.0	30th	1.4	1.2	1.3	in.	in.	in.	%	%	%			
February	9.32	37.6	37.5	37.6	31.2	46.4	18.4	10th	62.0	28th	1.8	1.8	1.8	1.85	1.86	1.86	87	89	88			
March	7.30	37.3	35.9	36.6	30.7	45.7	19.4	17th	56.8	29th	1.8	1.4	1.6	1.88	1.84	1.86	84	87	86			
April	7.01	43.4	38.8	41.1	32.4	49.5	23.0	15th	60.0	17, 19	3.4	2.0	2.7	2.11	1.97	2.04	75	83	79			
May	7.43	48.2	44.5	46.4	38.9	53.3	29.4	2nd	69.0	8th	3.3	2.0	2.7	2.60	2.49	2.55	77	85	81			
June	9.02	57.5	54.6	56.1	47.9	65.2	38.0	20th	80.0	18th	3.9	2.7	3.3	3.62	3.52	3.57	77	82	80			
July	6.74	62.2	57.7	60.0	50.9	69.4	37.0	6th	80.0	3rd	5.0	3.4	4.2	4.01	3.77	3.89	72	79	76			
August	6.41	57.9	55.0	56.5	48.6	65.8	37.0	14th	74.8	6th	3.6	2.3	3.0	3.75	3.67	3.71	78	85	82			
September	5.73	51.4	49.2	50.3	44.0	58.7	31.0	28th	68.0	1st	2.0	1.4	1.7	3.27	3.15	3.21	86	90	88			
October	7.47	43.5	42.2	42.9	36.9	50.6	24.0	26th	62.0	3rd	2.2	1.7	2.0	2.35	2.32	2.34	83	86	85			
November	3.81	39.7	39.1	39.4	34.3	44.3	22.0	16th	53.0	5th	1.4	1.4	1.4	2.16	2.11	2.14	89	89	89			
December	29.415	35.7	35.0	35.4	29.8	40.3	18.0	13th	53.0	3rd	1.3	1.1	1.2	1.84	1.82	1.83	88	89	89			
Year	29.668	45.9	43.8	44.9	38.0	52.5	—	—	—	—	2.6	1.9	2.3	2.61	2.53	2.57	81.7	85.7	83.7			

CARGEN

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

January	ins.	36.8	37.7	37.3	31.9	41.5	19.2	10th	49.6	27th	1.1	1.0	1.1	in.	in.	in.	%	%	%			
February	29.755	38.4	39.6	39.0	33.5	44.9	19.0	9th	52.6	18th	1.6	1.5	1.6	1.97	2.07	2.02	91	91	91			
March	30.130	37.9	38.8	38.4	32.0	45.8	19.8	13th	57.2	30th	1.5	1.5	1.5	1.99	2.07	2.03	88	88	88			
April	29.958	43.9	42.3	43.1	33.6	51.8	25.8	5th	61.8	11th	2.9	2.2	2.6	2.25	2.24	2.25	78	84	81			
May	9.15	51.6	48.6	50.1	40.8	58.7	28.6	2nd	67.0	31st	4.2	2.6	3.4	2.79	2.80	2.80	73	82	78			
June	29.959	61.1	59.0	60.1	47.4	69.7	36.2	1st	83.2	25th	4.8	3.8	4.3	3.90	3.85	3.88	73	77	75			
July	30.104	62.8	59.2	61.0	51.7	68.5	37.8	6th	78.8	20th	4.0	2.7	3.4	4.40	4.30	4.30	77	84	81			
August	29.871	58.3	56.1	57.2	46.9	66.3	34.8	14th	73.5	5th	3.4	2.1	2.8	3.86	3.90	3.88	79	86	83			
September	8.48	53.0	51.3	52.2	44.0	59.7	30.6	28th	65.2	20th	2.1	1.4	1.8	3.45	3.42	3.44	85	90	88			
October	7.91	44.4	44.0	44.2	37.1	51.9	23.4	12th	60.4	1st	2.4	1.7	2.1	2.40	2.50	2.45	82	86	84			
November	9.77	39.4	39.5	39.5	33.8	44.6	20.8	24th	51.0	8th	1.4	1.2	1.3	2.14	2.18	2.16	89	90	90			
December	5.89	36.9	37.0	37.0	31.8	41.5	19.0	22nd	50.2	1st	0.9	1.1	1.0	2.01	1.98	2.00	92	90	91			
Year	29.652	47.0	46.1	46.6	38.7	53.7	—	—	—	—	2.5	1.9	2.2	2.76	2.78	2.77	82.8	86.3	84.6			

DURHAM

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

January	ins.	34.4	35.2	34.8	30.1	39.9	13.8	7th	52.9	30th	1.0	0.9	1.0	in.	in.	in.	%	%	%			
February	29.498	37.1	38.1	37.6	32.2	45.2	18.8	10th	56.5	27th	1.6	1.7	1.7	1.81	1.91	1.86	89.0	91.2	90.1			
March	8.62	37.5	35.6	36.6	31.1	45.9	18.1	17th	57.4	2nd	2.0	1.3	1.7	1.95	2.00	1.98	86.2	86.0	86.1			
April	6.45	43.5	39.0	41.3	33.7	50.7	26.9	15th	62.5	18th	3.4	2.0	2.7	2.16	2.02	2.09	76.9	84.5	80.7			
May	6.11	48.4	44.8	46.6	39.8	54.3	29.7	4th	67.9	8th	3.1	1.9	2.5	2.71	2.64	2.64	79.5	86.4	83.0			
June	7.43	58.9	55.4	57.2	48.4	68.6	38.6	21st	85.2	18th	4.4	3.0	3.7	3.77	3.62	3.70	75.8	82.2	79.0			
July	8.11	64.1	58.9	61.5	52.1	73.4	38.3	6th	84.0	21st	5.5	3.6	4.6	4.23	3.96	4.10	70.6	78.9	74.8			
August	5.86	59.4	55.5	57.5	48.3	68.8	37.9	14th	77.5	5th	4.3	2.8	3.6	3.80	3.66	3.73	74.8	82.5	78.7			
September	5.59	52.3	49.4	50.9	44.4	59.0	30.3	28th	67.1	6th	2.5	1.6	2.1	3.29	3.17	3.23	83.8	89.5	86.7			
October	4.89	43.9	42.8	43.4	37.9	50.6	26.2	26th	59.8	3rd	2.1	1.6	1.9	2.45	2.45	2.45	83.9	87.8	85.9			
November	6.54	38.6	39.4	39.0	34.6	43.8	22.4	16th	52.6	26th	0.9	1.4	1.2	2.19	2.16	2.18	91.3	88.2	89.8			
December	2.94	36.0	35.7	35.9	31.7	40.5	24.6	22nd	51.4	1st	1.1	1.2	1.2	1.92	1.88	1.90	89.0	88.0	88.5			
Year	29.583	46.2	44.2	45.2	38.7	53.4	—	—	—	—	2.7	1.9	2.3	2.68	2.60	2.64	81.9	86.0	84.0			

CRAMLINGTON.

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

1887.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January	-	6.3	6.3	6.3	ins.	ins.	5th	16	5	0	0	3	10	1	0	3	3	1	6	15	27	7	0		
February	-	5.3	4.5	4.9	0.460	1.130	2nd	7	1	1	0	5	6	1	3	2	5	1	4	17	16	8	0		
March	-	5.8	5.1	5.5	1.640	1.480	11th	14	9	2	0	5	7	1	6	5	9	3	1	1	11	26	0		
April	-	7.2	4.5	5.9	1.050	2.230	21st	13	4	0	1	1	7	0	3	18	2	3	2	7	10	15	0		
May	-	8.0	5.8	6.9	1.680	1.430	19th	14	1	2	0	0	11	1	9	18	5	7	1	1	9	12	0		
June	-	7.1	5.0	6.1	0.360	2.260	3rd	3	0	0	0	0	7	0	4	14	3	5	1	6	19	8	0		
July	-	7.1	5.7	6.4	1.750	1.410	31st	13	0	0	2	0	4	1	2	5	1	0	0	21	17	16	0		
August	-	6.2	6.0	6.1	2.080	1.590	18th	13	0	0	4	2	8	0	7	7	1	2	10	9	13	13	0		
September	-	8.1	5.8	7.0	5.340	1.750	6th	20	0	2	2	0	9	1	7	7	5	2	2	5	25	7	0		
October	-	7.2	5.7	6.5	2.120	1.600	8th	13	2	2	1	3	11	0	17	5	1	0	0	4	20	15	0		
November	-	7.4	6.9	7.2	3.030	1.530	5th	22	2	1	0	1	14	1	6	4	11	4	4	10	10	11	0		
December	-	6.8	5.8	6.3	3.240	1.620	20th	18	5	0	0	2	9	2	9	5	0	0	0	12	17	19	0		
Year	-	6.9	5.6	6.3	24.280	—	—	166	29	10	10	22	103	9	73	93	46	28	31	108	194	157	0		

CARGEN.

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

Heights Above Ground.																						
				ins.	ins.	3rd	15	2	0	0	1	5	3	3	0	11	2	9	21	10	6	0
January	-	6.0	6.4	6.2	3.630	.640	15	2	0	0	0	3	2	9	2	10	2	3	12	10	8	0
February	-	4.9	5.1	5.0	1.980	.680	8	0	0	0	0	3	2	9	2	10	2	3	12	10	8	0
March	-	6.2	4.3	5.3	1.330	.460	7	2	0	0	2	2	0	5	9	19	1	0	5	13	10	0
April	-	4.6	4.5	4.6	1.170	.190	20, 25	8	0	2	1	0	2	0	2	10	19	3	4	7	6	9
May	-	5.0	5.1	5.1	1.130	.440	19th	12	1	1	0	0	0	0	7	8	15	8	2	3	7	12
June	-	4.2	3.8	4.0	0.660	.360	3rd	5	0	0	0	5	2	0	2	6	21	1	9	9	7	5
July	-	4.8	5.6	5.2	4.280	.950	9th	19	0	0	3	0	0	0	9	4	3	0	12	15	11	8
August	-	4.5	4.8	4.7	2.140	.780	28th	10	0	0	4	2	1	0	10	10	1	0	7	10	10	14
September	-	5.1	5.1	5.1	4.530	1.010	5th	18	0	0	0	2	2	0	7	9	9	2	2	12	11	8
October	-	5.0	5.3	5.2	1.640	.360	29th	10	0	0	0	6	6	1	17	16	1	2	2	10	8	6
November	-	6.2	5.9	6.1	3.810	.890	1st	14	0	0	0	0	5	3	6	12	14	5	4	6	6	7
December	-	5.3	6.5	5.9	5.760	1.160	6th	17	4	0	0	0	2	1	12	13	1	0	5	13	7	11
Year	-	5.2	5.2	5.2	32.060	—	—	143	9	3	8	18	30	10	89	99	124	26	59	123	106	104

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

NEWTON REIGNY

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

1887.	Mean Pressure at 32° Fmht.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January -	29.246	34.5	35.4	35.0	30.0	40.3	14.0	8th	51.2	30th	1.0	1.2	1.1	in.	in.	in.	89.9	87.9	88.9
February -	30.3	36.6	37.5	37.1	32.3	44.6	19.8	10th	55.2	28th	1.4	1.8	1.6	1.184	1.188	1.186	87.1	85.3	86.2
March -	34.05	36.8	34.9	35.9	30.0	44.9	11.3	13th	54.3	30th	1.4	1.1	1.3	1.194	1.184	1.189	87.1	87.9	87.5
April -	36.5	42.3	39.0	40.7	32.3	49.9	25.8	15th	61.5	11th	2.5	1.8	2.2	2.21	2.04	2.13	81.4	84.4	83.4
May -	40.4	47.2	45.8	46.5	39.4	55.2	28.5	2nd	64.2	17th	2.6	2.1	2.4	2.69	2.64	2.67	82.3	84.7	83.5
June -	56.3	59.1	56.0	57.6	47.1	68.8	33.8	21st	80.0	25th	4.3	3.1	3.7	3.79	3.65	3.72	75.0	81.1	78.1
July -	35.3	60.7	57.4	59.1	50.8	68.4	35.0	6th	80.5	8th	4.2	2.9	3.6	3.99	3.99	3.99	75.8	82.4	79.1
August -	32.1	57.1	54.0	55.6	45.9	65.7	33.0	14th	76.3	4th	4.0	2.5	3.3	3.57	3.55	3.56	76.3	84.0	80.2
September -	25.5	51.5	48.5	50.0	43.1	57.7	31.5	28th	64.3	20th	2.1	1.3	1.7	3.30	3.12	3.21	86.3	90.9	88.6
October -	42.5	43.4	42.4	42.9	37.1	49.4	23.0	12th	59.0	4th	2.1	1.9	2.0	2.41	2.36	2.39	84.4	85.1	84.8
November -	44.3	37.6	38.0	37.8	33.0	43.0	22.0	21, 24	51.2	6th	1.2	1.4	1.3	2.06	2.05	2.06	89.5	87.7	88.6
December -	29.113	34.9	35.2	35.1	29.5	39.8	13.0	27th	50.2	3rd	0.9	1.0	1.0	1.88	1.88	1.88	90.7	89.4	90.1
Year -	29.341	45.1	43.7	44.4	37.5	52.3	—	—	—	—	2.3	1.8	2.1	2.64	2.57	2.61	83.8	85.9	84.9

AYSGARTH

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

1887.	Mean Pressure at 32° Fmht.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January -	29.187	34.7	35.5	35.1	30.9	39.0	17.0	17th	50.5	30th	1.4	1.1	1.3	1.175	1.187	1.181	84.7	87.4	86.1
February -	34.4	36.8	37.2	37.0	31.9	43.3	16.2	10th	55.3	28th	2.0	2.0	2.0	1.185	1.188	1.187	83.3	83.5	83.4
March -	32.6	35.9	34.3	35.1	30.1	42.8	17.5	13, 17	54.7	29th	1.9	1.7	1.8	1.176	1.167	1.172	81.8	81.9	81.9
April -	28.6	42.6	38.1	40.4	33.7	50.0	26.3	15th	60.0	17th	3.2	1.9	2.6	2.11	1.95	2.03	77.1	83.9	80.5
May -	32.0	47.4	44.1	45.8	39.8	53.6	28.9	2nd	67.1	17th	3.2	2.0	2.6	2.60	2.48	2.54	78.5	85.1	81.8
June -	49.2	59.3	54.4	56.9	47.5	68.8	34.5	1st	83.7	18th	4.9	3.0	4.0	3.70	3.48	3.59	73.4	81.9	77.7
July -	28.4	63.3	57.1	60.2	50.9	70.2	35.9	6th	81.5	1st	5.7	3.2	4.5	4.07	3.78	3.93	70.2	80.5	75.4
August -	26.1	58.3	56.2	57.3	45.1	65.9	36.3	11, 16, 23	76.6	4th	4.7	4.0	4.4	3.57	3.47	3.52	73.5	76.6	75.1
September -	18.2	50.9	48.7	49.8	43.3	57.8	30.5	28th	63.4	25th	2.1	1.9	2.0	3.20	3.02	3.11	85.4	87.5	86.5
October -	29.343	43.9	41.7	42.8	37.3	48.8	24.0	26th	60.2	4th	2.7	1.9	2.3	2.33	2.27	2.30	80.1	83.7	81.9
November -	28.971	38.4	38.1	38.3	34.5	42.5	21.8	16th	51.1	6th	1.7	1.6	1.7	2.02	2.01	2.02	85.5	85.3	85.4
December -	29.041	35.7	34.7	35.2	30.5	39.5	20.8	27th	49.0	3rd	1.5	1.4	1.5	1.83	1.75	1.79	85.4	84.5	85.0
Year -	29.270	45.6	43.3	44.5	38.0	51.9	—	—	—	—	2.9	2.1	2.5	2.57	2.47	2.52	79.9	83.5	81.7

SCARBOROUGH

Long. 0° 23' W. Lat. 54° 17' N. Height above Mean Sea Level, 129 feet till February 22nd, then 159 feet.

1887.	Mean Pressure at 32° Fmht.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January -	29.798	36.6	37.7	37.2	33.3	40.9	26.3	7, 17	50.7	29th	1.0	1.1	1.1	1.199	1.207	1.203	91.5	90.7	91.1
February -	30.127	39.6	40.4	40.0	35.6	45.6	29.8	7th	54.3	3rd	2.0	2.0	2.0	2.205	2.214	2.210	83.3	84.1	83.7
March -	29.858	38.1	37.2	37.7	33.0	44.2	22.5	17th	53.8	2nd	1.6	1.7	1.7	2.200	1.190	1.195	86.4	84.6	85.5
April -	82.3	44.5	41.9	43.2	36.8	49.9	31.0	15th	62.5	18th	3.1	2.2	2.7	2.229	2.222	2.226	78.0	83.3	80.7
May -	29.848	47.8	45.8	46.8	41.6	51.7	32.0	1st	69.3	8th	2.8	1.6	2.2	2.270	2.273	2.272	81.6	88.4	85.0
June -	30.017	58.9	55.1	57.0	50.3	64.6	43.8	1st	76.3	11, 18	4.4	2.9	3.7	3.74	3.58	3.66	75.7	82.9	79.3
July -	29.807	65.2	60.1	62.7	54.6	71.3	45.0	6th	83.8	1st	6.6	4.4	5.5	4.09	3.90	4.00	66.0	75.2	70.6
August -	75.6	61.0	56.7	58.9	51.4	65.7	40.0	14th	75.3	9th	5.3	3.6	4.5	3.78	3.63	3.71	71.1	78.9	75.0
September -	69.2	52.7	51.1	51.9	46.7	57.8	39.5	8, 25, 28	66.0	3rd	2.4	2.1	2.3	3.35	3.35	3.30	84.4	86.1	85.3
October -	85.1	44.9	44.6	44.8	40.9	49.8	29.0	26th	57.7	7th	2.2	2.1	2.2	2.52	2.50	2.51	84.0	84.3	84.2
November -	51.0	40.5	40.5	40.5	36.6	44.3	27.0	16th	52.1	27th	1.3	1.3	1.3	2.29	2.29	2.29	89.4	89.3	89.4
December -	29.568	36.7	36.7	36.7	32.3	41.2	23.0	12th	50.3	1st	0.8	0.9	0.9	2.04	2.02	2.03	91.8	91.6	91.7
Year -	29.805	47.2	45.7	46.5	41.1	52.3	—	—	—	—	2.8	2.2	2.5	2.74	2.69	2.72	81.9	85.0	83.5

MONTHLY SUMMARIES.—NEWTON REIGNY—AYSGARTH—SCARBOROUGH.

NEWTON REIGNY.

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

Heights above Ground:—Barometer, 1 foot.																						
1887.	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 -	7.5	6.4	7.0	3.020	.660	10th	21	7	0	0	2	12	1	0	1	1	13	13	9	8	1	16
February -	6.7	4.5	5.6	1.830	.630	22nd	13	1	1	0	4	9	2	1	3	0	14	9	9	7	2	11
March -	7.6	6.4	7.0	1.530	.490	11th	13	8	0	1	2	14	0	1	1	0	9	4	7	9	11	20
April -	7.0	4.1	5.6	1.750	.290	20th	11	7	0	0	6	9	0	5	7	0	6	4	9	7	8	14
May -	8.3	6.4	7.4	1.810	.620	20th	11	1	2	0	1	14	0	3	11	2	11	2	4	6	15	8
June -	4.8	3.8	4.3	0.270	.120	3rd	8	0	0	1	8	6	0	0	5	1	8	5	4	10	10	17
July -	7.0	6.8	6.9	2.010	.400	9th	15	0	0	3	2	12	0	1	1	1	1	10	23	12	7	6
August -	7.6	5.9	6.8	2.690	.680	30th	15	0	0	2	1	10	0	3	1	1	2	10	10	12	10	13
September -	8.1	6.8	7.5	3.860	.780	5th	19	0	0	1	1	15	0	2	3	1	4	5	12	8	12	13
October -	6.6	6.9	6.8	2.170	.560	30th	11	0	0	0	3	12	0	4	3	3	2	4	9	10	19	8
November -	8.1	7.1	7.6	3.070	.840	26th	17	1	0	0	1	16	3	1	6	8	13	9	7	3	3	10
December -	8.6	7.1	7.9	3.650	.700	6th	22	10	0	0	0	19	1	3	3	0	5	9	11	12	10	9
Year -	7.3	6.0	6.7	27.660	—	—	176	35	3	8	31	148	7	24	45	18	88	84	114	104	108	145

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

CRONKBORNE (DOUGLAS), ISLE OF MAN

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	ins. 29°·728	40°·1	40°·2	40°·2	36°·0	43°·8	26°·0	10th	50°·2	26th	1°·0	0°·9	1°·0	in. °233	in. °234	in. °234	91°·7	91°·6	91°·7
February -	30°·094	41°·6	41°·3	41°·5	37°·0	45°·3	26°·5	11th	50°·7	27th	1°·5	1°·2	1°·4	°234	°237	°236	87°·8	90°·0	88°·9
March -	29°·909	41°·4	38°·8	40°·1	34°·5	45°·1	24°·8	13th	53°·4	30th	1°·8	1°·5	1°·7	°225	°209	°217	86°·2	87°·4	86°·8
April -	°866	45°·6	41°·0	43°·3	36°·2	49°·4	28°·9	5th	58°·0	12th	3°·1	2°·0	2°·6	°241	°219	°230	78°·6	83°·8	81°·2
May -	29°·904	50°·5	47°·9	49°·2	43°·1	55°·7	31°·2	2nd	65°·3	25th	2°·8	1°·7	2°·3	°302	°295	°299	81°·6	87°·8	84°·7
June -	30°·049	61°·3	57°·1	59°·2	50°·0	66°·4	40°·4	21st	80°·9	25th	4°·1	2°·2	3°·2	°423	°406	°415	78°·1	86°·9	82°·5
July -	29°·835	62°·1	57°·2	59°·7	52°·5	66°·6	43°·2	6th	74°·6	1st	3°·0	0°·9	2°·0	°461	°444	°453	83°·0	94°·2	88°·6
August -	°801	60°·2	54°·4	57°·3	50°·0	64°·6	41°·3	1st	72°·4	8th	2°·3	0°·9	1°·6	°450	°402	°426	86°·2	94°·0	90°·1
September	°739	56°·1	51°·1	53°·6	46°·6	59°·1	34°·5	28th	65°·2	20th	2°·7	1°·2	2°·0	°375	°347	°361	82°·9	91°·8	87°·4
October -	°935	49°·2	44°·9	47°·1	40°·4	52°·3	29°·4	23th	60°·0	4th	3°·2	2°·0	2°·6	°278	°260	°269	78°·6	85°·1	81°·9
November	°514	43°·1	41°·9	42°·5	37°·5	46°·8	25°·4	16th	53°·4	6th	1°·9	1°·5	1°·7	°240	°239	°240	85°·6	88°·6	87°·1
December	29°·625	39°·5	39°·5	39°·5	34°·9	44°·1	24°·1	22nd	52°·0	8th	1°·0	1°·0	1°·0	°229	°227	°228	91°·7	91°·0	91°·4
Year -	29°·833	49°·2	46°·3	47°·8	41°·6	53°·3	—	—	—	—	2°·4	1°·4	1°·9	°308	°293	°301	84°·3	89°·4	86°·9

YORK

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

	ins.													in.	in.	in.	%	%	%
January -	29.883	34.8	35.4	35.1	30.3	40.1	17.2	17th	52.0	28, 29	0.8	0.8	0.8	.186	.192	.189	92	93	93
February	30.238	37.1	38.7	37.9	32.9	46.7	23.0	8th	56.0	3rd, 28th	1.6	1.7	1.7	.190	.202	.196	86	86	86
March -	30.002	37.7	36.6	37.2	31.6	46.5	21.0	17th	59.2	29th	1.7	1.4	1.6	.193	.190	.192	85	88	87
April -	29.962	44.4	41.3	42.9	35.1	52.4	28.0	15th	63.0	19th	3.3	2.3	2.8	.222	.213	.218	76	82	79
May -	29.983	49.5	46.9	48.2	41.3	56.4	29.0	1st	68.0	8th	3.3	2.2	2.8	.274	.269	.272	77	85	81
June -	30.152	60.2	57.0	58.6	49.6	70.6	39.1	1st	82.7	27th	4.7	3.5	4.1	.380	.364	.372	73	78	76
July -	29.945	65.1	61.3	63.2	53.2	74.0	40.0	6th	83.0	3, 8	5.5	3.9	4.7	.434	.419	.427	71	77	74
August -	.904	59.8	58.2	59.0	49.4	69.1	37.0	14th	81.0	6th	4.9	3.5	4.2	.369	.382	.376	72	79	76
September	29.842	52.1	50.6	51.4	45.2	59.5	32.0	28th	67.0	3rd	2.6	1.6	2.1	.322	.327	.325	82	89	86
October -	30.009	44.0	43.4	43.7	38.2	51.1	27.0	22nd	59.0	7th	2.4	1.5	2.0	.236	.249	.243	81	88	85
November	29.646	39.4	39.5	39.5	34.9	44.6	24.0	18th	53.0	5th, 26th	1.3	1.2	1.3	.216	.218	.217	90	90	90
December	29.722	36.3	36.2	36.3	31.5	40.7	22.0	12th	51.0	3rd	1.4	1.1	1.3	.188	.193	.191	88	90	89
Year -	29.941	46.7	45.4	46.1	39.4	54.3	—	—	—	—	2.8	2.1	2.5	.268	.268	.268	81.1	85.4	83.3

STONYHURST

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

	ins.													in.	in.	in.	%	%	%
January	29.534	35.1	36.2	35.7	31.8	39.6	19.1	17th	51.6	30th	1.1	1.2	1.2	185	190	188	88.0	86.9	87.5
February	.892	37.7	38.3	38.0	33.0	43.8	22.8	9th	52.4	3rd	2.1	1.8	2.0	187	199	193	80.8	83.5	82.2
March	.671	37.0	36.0	36.5	30.9	43.4	17.4	13th	52.6	30th	1.9	1.8	1.9	185	177	181	82.2	81.5	81.9
April	.629	43.4	40.0	41.7	34.9	49.0	27.2	15th	59.0	12th	3.4	2.4	2.9	213	201	207	75.5	80.6	78.1
May	.657	49.3	46.8	48.1	41.7	54.9	32.0	4th	62.6	24th	3.7	2.4	3.1	268	266	267	75.8	82.7	79.3
June	.818	61.5	57.4	59.5	49.9	68.3	40.9	1st	78.9	19th	5.7	3.8	4.8	380	369	375	69.9	77.9	73.9
July	.619	63.9	58.9	61.4	53.2	68.5	41.2	6th	79.2	8th	5.7	3.2	4.5	414	403	409	69.6	80.7	75.2
August	.576	59.4	56.7	58.1	50.3	65.5	37.9	14th	78.4	6th	4.7	3.8	4.3	370	358	364	73.1	77.6	75.4
September	.513	52.0	50.2	51.1	46.3	57.6	32.1	28th	61.6	6th	2.8	2.2	2.5	317	313	315	81.8	85.1	83.5
October	.695	43.8	43.3	43.6	38.9	49.5	28.3	26th	56.9	2nd	2.6	2.5	2.6	235	232	234	80.5	81.1	80.8
November	.304	39.1	39.2	39.2	35.2	43.3	25.3	16th	50.3	26th	1.8	1.9	1.9	205	204	205	83.6	83.4	83.5
December	29.401	36.2	36.3	36.3	31.7	40.4	23.9	12, 29	49.8	13th	1.5	1.7	1.6	186	183	185	84.8	83.2	84.0
Year	29.609	46.5	44.9	45.7	39.8	52.0	—	—	—	—	3.1	2.4	2.8	262	258	260	78.8	82.0	80.4

MONTHLY SUMMARIES.—CRONKBORNE—YORK—STONYHURST.

CRONKBORNE (DOUGLAS), ISLE OF MAN.

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

1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	7.1	8.0	7.6	3.917	7.32	10th	19	3	1	0	2	15	5	7	2	2	6	9	11	11	8	6
February	6.8	5.8	6.3	1.353	3.66	17th	10	0	0	0	2	7	5	2	5	5	7	7	14	9	5	2
March	7.3	5.8	6.6	1.737	4.24	26th	13	6	1	0	0	14	3	9	9	4	7	2	5	12	11	3
April	5.8	4.4	5.1	1.664	4.00	21st	12	4	2	0	1	3	3	6	9	9	3	1	9	9	13	1
May	6.7	6.7	6.7	1.712	884	19th	12	0	1	0	1	10	4	8	11	10	3	3	4	5	15	3
June	4.8	5.6	5.2	0.595	4.22	3rd	4	0	0	1	0	9	3	4	1	1	4	6	13	13	16	4
July	6.2	6.7	6.5	2.461	868	9th	11	0	0	1	0	8	1	12	3	5	2	4	6	12	16	1
August	7.0	6.2	6.6	1.038	2.76	28th	11	0	0	1	0	8	1	6	9	5	2	4	6	12	16	1
September	6.2	6.1	6.2	3.219	554	29th	17	0	1	1	3	8	6	21	6	2	0	1	5	14	11	2
October	6.5	6.4	6.5	2.766	568	26th	14	2	1	1	2	10	5	6	14	7	4	2	7	11	5	4
November	6.3	7.2	6.8	3.771	629	28th	17	0	2	1	2	11	8	16	3	3	3	2	8	14	8	5
December	7.0	6.1	6.6	3.397	985	12th	18	3	9	0	1	11	8	109	74	56	51	46	96	126	136	36
Year	6.5	6.3	6.4	27.630	—	—	158	18	18	6	18	112	49	109	74	56	51	46	96	126	136	36

YORK.

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

1887

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

WAKEFIELD

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

1887.	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.																	
January	29.831	35.4	36.1	35.8	31.1	41.5	17.1	17th	55.5	29.30	1.0	0.8	0.9	in.	in.	in.	92.0	93.0	92.5
February	30.188	37.4	38.4	37.9	32.2	46.9	22.4	10th	58.3	27th	0.6	0.6	0.6	217	222	222	94.4	94.6	94.5
March	29.952	37.6	36.8	37.2	32.5	44.7	23.0	17th	56.6	29th	1.1	0.9	1.0	209	204	207	92.1	92.5	92.3
April	29.914	43.7	40.8	42.3	36.1	51.6	24.9	17th	59.4	12th	2.4	1.7	2.1	235	221	228	82.6	86.7	84.7
May	29.932	48.5	46.9	47.7	41.8	55.3	29.0	2nd	68.4	8th	2.3	1.4	1.9	289	290	290	84.8	90.0	87.4
June	30.101	59.8	58.7	59.3	49.3	70.1	38.9	21st	80.4	18th	3.7	2.7	3.2	407	418	413	79.3	84.1	81.7
July	29.896	65.6	61.0	63.3	53.1	73.6	38.5	6th	83.6	3rd	4.7	2.4	3.6	474	462	468	75.1	86.3	80.7
August	29.855	59.5	57.9	58.7	48.2	69.1	35.0	22nd	83.4	6th	3.9	3.2	3.6	394	391	393	78.1	81.9	80.0
September	29.794	53.0	50.5	51.8	45.3	59.2	29.0	28th	67.4	3rd	3.2	2.0	2.6	321	319	320	79.7	86.3	83.0
October	29.971	44.1	43.4	43.8	38.9	51.2	23.1	26th	58.4	2nd	2.3	2.2	2.3	244	237	241	82.7	83.2	83.0
November	29.597	39.1	38.8	39.0	35.2	45.4	24.1	18th	53.6	26th	1.5	1.4	1.5	213	210	212	87.6	87.0	87.3
December	29.675	37.6	37.6	37.6	33.2	41.9	25.5	12th	54.5	3rd	1.2	1.1	1.2	206	207	207	89.7	90.2	90.0
Year	29.892	46.8	45.6	46.2	39.7	54.2	—	—	—	—	2.3	1.7	2.0	284	282	283	84.8	88.0	86.4

PRESTWICH

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

1887.	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.																	
January	29.583	35.4	36.2	35.8	32.2	40.6	21.2	17th	54.1	29th	0.9	1.1	1.0	193	195	194	91.7	89.5	90.6
February	29.941	37.9	38.4	38.2	33.1	44.8	23.7	10th	54.8	28th	2.0	1.8	1.9	191	200	196	82.4	84.4	83.4
March	29.710	36.6	36.0	36.3	32.0	43.3	21.6	13th	53.8	29th	1.6	1.3	1.5	188	188	188	85.9	87.2	86.6
April	29.665	43.9	39.7	41.8	35.5	50.1	27.5	15th	58.6	12th	3.8	2.2	3.0	211	203	207	73.9	82.7	78.3
May	29.692	48.9	46.7	47.8	41.8	54.8	33.7	2nd	66.6	8th	3.3	2.2	2.8	272	274	273	78.6	84.2	81.4
June	29.855	60.8	57.4	59.1	50.5	69.7	41.4	1st	80.1	19th	5.4	3.4	4.4	377	379	378	71.4	80.1	75.8
July	29.661	63.8	59.3	61.6	53.2	71.1	42.6	18th	82.2	8th	5.1	2.9	4.0	426	420	423	72.3	83.2	77.8
August	29.617	59.3	56.9	58.1	50.2	67.5	36.7	14th	80.5	6th	4.3	3.0	3.7	380	380	380	75.8	81.8	78.8
September	29.552	52.0	50.7	51.4	46.2	58.1	35.3	28th	64.0	3rd	2.1	1.5	1.8	336	335	336	86.3	89.8	88.1
October	29.733	43.5	43.0	43.3	38.5	50.2	26.6	26th	57.6	2nd	1.8	1.6	1.7	248	248	248	86.1	88.2	87.2
November	29.343	39.5	39.1	39.3	35.8	44.3	24.8	16th	52.6	26th	1.5	1.4	1.5	218	214	216	86.8	88.2	87.5
December	29.444	36.7	36.1	36.4	32.2	40.8	25.0	27th	51.0	3rd	1.4	1.2	1.3	193	193	193	86.6	88.5	87.6
Year	29.650	46.5	45.0	45.8	40.1	52.9	—	—	—	—	2.8	2.0	2.4	269	269	269	81.5	85.7	83.6

LLANDUDNO

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

1887.	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.																	
January	29.830	40.7	41.3	41.0	36.6	45.2	27.4	16th	56.2	26th	1.9	1.9	1.9	218	224	221	84.3	84.5	84.4
February	30.180	42.0	41.7	41.9	36.4	47.3	24.5	10th	60.0	27th	3.1	2.7	2.9	208	211	210	76.9	78.7	77.8
March	29.968	40.3	39.7	40.0	34.6	44.6	26.4	17th	51.0	5th	2.7	2.3	2.5	200	201	201	79.2	81.7	80.5
April	29.918	44.6	43.7	44.2	38.4	49.0	30.5	15th	56.3	19th	3.7	3.3	3.5	219	217	218	74.2	76.3	75.3
May	29.949	49.8	49.4	49.6	44.2	54.5	36.2	1st	64.0	31st	3.5	2.9	3.2	276	285	281	76.9	80.6	78.8
June	30.091	61.9	58.3	60.1	52.9	66.7	45.0	1st	80.0	17th	6.0	4.4	5.2	375	362	369	68.0	74.4	71.2
July	29.902	63.6	60.6	62.1	55.9	68.4	45.8	6th	84.0	8th	6.1	4.4	5.3	398	397	398	67.9	75.1	71.5
August	29.857	61.8	58.5	60.2	53.3	66.5	45.0	14, 15	77.0	24th	6.1	4.2	5.2	369	371	370	67.3	75.7	71.5
September	29.796	55.3	53.9	54.6	49.3	59.0	38.5	29th	65.0	3rd	3.9	3.4	3.7	335	329	332	76.6	79.0	77.8
October	29.992	48.8	48.1	48.5	43.4	52.0	31.8	26th	59.1	4th	3.6	3.5	3.6	264	260	262	75.7	76.5	76.1
November	29.574	42.9	42.6	42.8	38.2	46.5	29.0	24th	53.5	26th	2.7	2.4	2.6	223	226	225	79.6	81.5	80.6
December	29.697	40.9	41.4	41.2	36.7	44.9	26.4	29th	54.8	13th	2.4	2.6	2.5	210	211	211	80.4	79.6	80.0
Year	29.896	49.4	48.3	48.9	43.3	53.7	—	—	—	—	3.8	3.2	3.5	275	275	275	75.6	78.6	77.1

MONTHLY SUMMARIES.—WAKEFIELD—PRESTWICH—LLANDUDNO.

WAKEFIELD.

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

1887.		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	5.5	6.4	1.400	.170	7th	12	4	0	0	4	13	0	4	4	7	5	10	6	14	4	8	
February	-	5.6	5.0	5.3	0.490	.110	3, 13	10	0	0	0	8	8	2	4	6	3	4	9	3	13	3	11	
March	-	5.5	4.2	4.9	1.370	.400	22nd	12	6	1	2	7	7	0	6	8	4	3	5	3	15	8	10	
April	-	7.1	5.3	6.2	0.720	.240	28th	15	2	0	0	1	8	0	5	15	2	4	3	9	6	12	4	
May	-	8.8	7.6	8.2	2.390	.560	19th	13	0	0	0	0	21	0	15	11	7	2	0	3	15	5	4	
June	-	7.2	7.7	7.5	0.200	.120	3rd	4	0	0	0	1	15	0	13	7	4	2	4	2	20	1	7	
July	-	5.5	6.9	6.2	0.990	.310	5th	9	0	0	2	2	5	0	2	0	0	1	12	5	24	9	9	
August	-	6.6	6.3	6.5	1.240	.280	17th	9	0	0	1	3	12	0	5	3	4	2	3	2	19	5	19	
September	-	6.4	5.3	5.9	2.780	.450	29th	18	0	0	1	5	12	0	6	6	3	1	1	10	12	8	13	
October	-	6.3	5.4	5.9	2.660	.770	9th	12	0	0	0	5	12	0	16	4	2	0	0	1	14	11	14	
November	-	7.4	7.0	7.2	1.770	.310	5th	19	1	0	0	4	17	1	6	9	4	0	6	7	5	1	22	
December	-	6.6	5.9	6.3	1.300	.180	6th	17	5	0	0	3	10	0	11	3	0	0	0	6	17	10	15	
Year	-	6.7	6.0	6.4	17.310	—	—	150	18	1	6	43	140	3	93	76	40	24	53	57	174	77	136	

BUXTON

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January -	ins. 28.849	33.1	33.3	33.2	27.9	39.0	4.4	17th	52.3	29th	0.7	0.7	0.7	in. 1.179	in. 1.180	in. 1.180	91.5	92.1	91.8
February -	29.193	36.6	36.0	36.3	30.6	43.3	18.2	10th	53.8	27th	1.1	0.8	1.0	1.199	1.199	1.199	90.2	92.1	91.2
March -	28.966	35.9	33.1	34.5	27.8	41.9	9.8	17th	55.4	29th	1.0	0.6	0.8	1.193	1.179	1.186	90.8	92.8	91.8
April -	.927	41.3	37.1	39.2	32.0	48.8	23.2	15th	56.9	18th	1.4	0.8	1.1	1.234	1.206	1.220	89.9	92.8	91.4
May -	28.958	46.3	43.8	45.1	38.9	52.6	24.5	1st	68.0	8th	2.6	1.6	2.1	1.259	1.253	1.256	82.7	88.0	85.4
June -	29.141	59.4	54.5	57.0	46.6	69.3	36.3	1st	79.9	16th	4.6	2.4	3.5	1.372	1.364	1.368	73.7	85.3	79.5
July -	28.965	63.5	57.1	60.3	50.7	71.2	37.5	18th	81.5	3.8	6.1	2.6	4.4	1.399	1.395	1.397	68.5	83.7	76.1
August -	.919	58.9	53.3	56.1	45.4	67.1	34.6	14th	80.4	6th	4.7	2.3	3.5	1.364	1.347	1.356	73.4	85.1	79.3
September	28.843	51.2	47.5	49.4	42.2	56.6	31.2	28th	62.1	4th	2.8	1.3	2.1	1.307	1.302	1.305	81.9	91.0	86.5
October -	29.008	42.9	40.3	41.6	35.6	48.1	24.6	22nd	57.9	4th	2.1	1.3	1.7	1.236	1.227	1.232	84.7	88.7	86.7
November	28.619	37.5	36.4	37.0	32.1	42.0	20.5	16th	49.9	26th	1.2	0.8	1.0	1.204	1.202	1.203	89.0	91.5	90.3
December	28.717	33.9	34.0	34.0	28.5	39.4	11.1	12th	48.8	3rd	1.1	0.8	1.0	1.177	1.183	1.180	88.2	91.6	89.9
Year -	28.925	45.0	42.2	43.6	36.5	51.6	—	—	—	—	2.5	1.3	1.9	1.260	1.253	1.257	83.7	89.6	86.7

CHEADLE

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

	ins.												in.	in.	in.	%	%	%	
January -	29.254	33.1	34.1	33.6	29.4	38.8	15.5	17th	51.5	29th	0.6	0.5	0.6	.176	.186	.181	94	95	95
February -	.601	35.5	36.9	36.2	32.1	44.1	25.8	9th	53.8	27th	1.2	1.4	1.3	.184	.192	.188	88	88	88
March -	.365	35.9	35.6	35.8	31.0	43.2	19.2	13th	56.9	29th	1.8	1.2	1.5	.176	.185	.181	83	89	86
April -	.319	41.8	39.1	40.5	33.9	50.3	28.0	15th	58.8	12th	3.0	2.1	2.6	.204	.198	.201	77	83	80
May -	.347	46.5	45.5	46.0	40.5	54.1	32.0	14th	68.7	8th	2.8	1.9	2.4	.253	.262	.258	80	86	83
June -	.528	58.1	57.2	57.7	49.4	68.9	40.5	21st	78.3	19th	4.4	3.8	4.1	.357	.360	.359	74	77	76
July -	.349	61.8	59.5	60.7	52.9	71.0	43.0	18th	81.0	8th	4.6	3.2	3.9	.407	.410	.409	74	81	78
August -	.300	57.4	56.8	57.1	49.1	67.5	37.8	14th	79.3	6th	4.2	3.7	4.0	.352	.357	.355	75	77	76
September	.234	51.3	49.3	50.3	44.5	57.9	33.2	28th	64.2	4th	2.4	1.3	1.9	.311	.318	.315	84	90	87
October -	.396	42.5	41.4	42.0	37.3	49.5	26.4	26th	58.5	4th	2.0	1.7	1.9	.230	.225	.228	85	86	86
November	.007	37.9	37.9	37.9	34.7	43.4	24.6	17th	50.7	5th	1.1	1.2	1.2	.206	.204	.205	90	89	90
December	29.104	34.9	34.3	34.6	30.1	39.6	22.0	20th	50.7	9th	1.0	0.7	0.9	.183	.184	.184	90	93	92
Year -	29.317	44.7	44.0	44.4	38.7	52.4	—	—	—	—	2.4	1.9	2.2	.253	.257	.255	82.8	86.2	84.5

HILLINGTON

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

	ins.													in.	in.	in.	%	%	%
January -	29.883	32.9	33.6	33.3	28.6	39.0	15.0	2nd	51.5	28th	0.7	0.7	0.7	.176	.182	.179	91.4	92.7	92.1
February -	30.218	37.3	36.4	36.9	31.3	45.6	16.9	17th	56.1	28th	1.4	1.4	1.4	.199	.191	.195	87.3	86.7	87.0
March -	29.954	37.7	34.4	36.1	29.1	46.1	20.1	16th	57.9	29th	1.9	1.1	1.5	.191	.178	.185	83.4	88.3	85.9
April -	.993	45.3	40.6	43.0	35.0	52.0	24.1	17th	64.6	19th	3.2	2.0	2.6	.234	.214	.224	77.4	84.5	81.0
May -	29.916	50.2	45.4	47.8	40.7	55.6	27.2	1st	68.7	8th	3.2	1.3	2.3	.289	.275	.282	79.4	90.7	85.1
June -	30.098	62.1	54.5	58.3	47.9	70.1	36.9	27th	82.6	15th	5.5	2.3	3.9	.391	.363	.377	71.0	85.7	78.4
July -	29.927	67.7	61.1	64.4	52.2	77.4	36.7	19th	87.4	8th	7.1	3.0	5.1	.438	.446	.442	65.4	83.4	74.4
August -	.871	63.4	56.9	60.2	49.6	71.6	39.5	15th	86.9	6th	6.0	3.2	4.6	.397	.374	.386	68.4	81.2	74.8
September	.816	54.2	50.9	52.6	45.6	60.4	30.2	29th	68.8	3rd	2.9	1.7	2.3	.344	.332	.338	81.9	89.0	85.5
October -	.966	44.9	42.5	43.7	38.2	51.1	25.9	26th	57.3	28th	1.4	1.1	1.3	.272	.254	.263	89.6	91.6	90.6
November	.609	39.7	38.9	39.3	34.8	45.1	22.3	17th	52.4	4th, 6th	0.9	0.8	0.9	.231	.224	.228	92.5	92.8	92.7
December	29.706	34.7	35.4	35.1	30.9	40.6	14.5	27th	51.5	9th	0.9	0.6	0.8	.187	.198	.193	89.9	93.9	91.9
Year -	29.906	47.5	44.2	45.9	38.7	54.6	—	—	—	—	2.9	1.6	2.3	.279	.269	.274	81.5	88.4	85.0

BUXTON.

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

Heights above Sea Level.										Weather, No. of Days of										Wind, No. of Observations of									
1887.	Amount of Cloud.			Rainfall.																									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.							
January	7.8	7.6	7.7	ins. 4.190	ins. 1.120	4th	17	13	1	0	0	15	1	0	0	7	0	3	2	14	4	32							
February	7.3	5.7	6.5	1.149	1.280	2nd	11	2	0	0	3	9	2	0	5	5	3	3	11	5	2	22							
March	7.5	5.5	6.5	2.590	1.820	22nd	12	8	0	0	5	11	0	0	1	1	0	1	2	10	6	41							
April	6.0	5.6	5.8	1.038	1.280	4th	11	7	0	0	1	6	—	—	—	—	—	—	—	—	—	—							
May	8.3	6.9	7.6	3.935	1520	19th	12	2	2	0	0	16	—	—	—	—	—	—	—	—	—	—							
June	5.0	5.2	5.1	0.550	1.340	3rd	4	0	0	0	3	3	0	0	6	6	2	0	0	10	4	32							
July	6.0	7.1	6.6	1.435	1.690	26th	8	0	0	1	0	5	0	0	3	0	0	1	6	13	6	33							
August	6.2	6.2	6.2	2.515	1.560	30th	11	0	1	1	0	6	0	0	1	3	0	0	13	9	3	31							
September	7.3	5.8	6.6	5.175	1.000	1st	18	0	0	0	1	9	0	1	2	0	0	0	3	6	10	40							
October	7.3	6.4	6.9	2.565	1.560	8th	12	1	0	0	0	16	0	0	4	4	0	1	6	7	0	38							
November	7.8	7.1	7.5	2.960	1.490	5th	17	1	0	0	0	14	0	0	0	0	0	0	7	9	3	43							
December	8.5	6.6	7.6	4.280	1.710	18th	17	11	0	0	0	14	—	—	—	—	—	—	—	—	—	—							
Year	7.1	6.3	6.7	32.382	—	—	150	45	4	2	14	122	—	—	—	—	—	—	—	—	—	—							

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

LEICESTER

Long. 1° 8' W. Lat. 52° 39' N. Height above Mean Sea Level, 237 feet.

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.701	34.3	35.7	35.0	29.8	40.5	14.0	17th	54.2	28th	0.8	0.8	0.8	in. 1.186	in. 1.196	in. 1.191	90.8	91.2	91.0		
February	30.045	37.6	38.3	38.0	32.0	47.0	23.0	17th	57.0	27th	1.7	1.7	1.7	1.197	1.200	1.199	85.3	85.4	85.4		
March	29.793	38.3	37.7	38.0	31.9	45.9	21.0	13th	58.8	29th	1.8	1.5	1.7	1.199	1.199	1.199	84.6	86.2	85.4		
April	737	45.0	42.5	43.8	35.4	53.2	29.0	17.30	63.5	18th	3.8	2.9	3.4	2.21	2.15	2.18	74.3	79.0	76.7		
May	752	49.5	48.2	48.9	42.0	57.1	29.8	1st	70.5	8th	3.3	2.6	3.0	2.29	2.28	2.28	79.1	83.1	81.1		
June	929	61.8	59.8	60.8	49.9	72.5	40.6	1st	83.6	15th	5.7	4.7	5.2	3.38	3.78	3.81	70.2	73.6	71.9		
July	752	67.2	64.5	65.9	54.5	76.7	42.5	18th	87.5	3rd	6.1	4.8	5.5	4.59	4.52	4.56	69.0	74.7	71.9		
August	704	62.8	61.3	62.1	50.1	73.1	39.8	15th	86.3	6th	5.3	4.6	5.0	4.09	4.04	4.07	71.7	74.3	73.0		
September	650	53.8	52.5	53.2	46.1	61.5	32.0	29th	69.0	3rd	5.1	2.3	2.7	3.35	3.39	3.37	81.0	85.5	83.3		
October	822	44.7	44.1	44.4	38.3	52.3	23.6	22nd	60.0	4th	3.3	2.2	2.3	2.49	2.45	2.47	82.6	83.5	83.1		
November	441	40.3	39.6	40.0	35.5	45.5	22.5	16th	55.8	6th	1.5	1.1	1.3	2.24	2.24	2.24	87.4	90.2	88.8		
December	29.557	37.5	36.7	37.1	32.4	41.2	23.2	20th	54.0	9th	1.2	1.1	1.2	2.04	1.99	2.02	89.3	89.4	89.4		
Year	29.740	47.7	46.7	47.2	39.8	55.5	—	—	—	—	3.1	2.5	2.8	2.79	2.78	2.79	80.4	83.0	81.7		

UPPINGHAM

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.429	33.4	33.8	33.6	29.5	39.2	16.4	17th	51.0	28th	0.8	0.7	0.8	in. 1.178	in. 1.182	in. 1.180	90.9	91.5	91.2		
February	767	36.5	36.6	36.6	31.8	44.8	24.2	16th	53.8	4th	1.3	1.4	1.4	1.192	1.193	1.193	87.9	86.7	87.3		
March	517	36.9	35.2	36.1	31.1	44.3	21.6	14th	57.4	29th	1.7	1.3	1.5	1.188	1.181	1.185	84.4	86.2	85.3		
April	472	43.2	39.4	41.3	34.6	51.9	29.7	17th	63.1	18th	2.7	1.7	2.2	2.26	2.10	2.18	80.9	86.1	83.5		
May	489	48.3	45.1	46.7	40.8	56.6	31.9	1st	68.8	8th	2.0	1.0	1.5	2.29	2.20	2.27	86.7	92.7	89.7		
June	673	60.2	55.7	58.0	49.1	72.7	41.4	1st	85.0	19th	3.8	2.2	3.0	4.10	3.84	3.97	79.3	86.4	82.9		
July	504	65.2	60.9	63.1	53.8	76.3	42.9	6.18	87.1	3rd	4.6	2.9	3.8	4.69	4.47	4.58	75.0	83.9	79.5		
August	449	61.1	58.0	59.6	50.3	72.0	41.9	14th	85.1	6th	4.4	3.7	4.1	4.04	3.79	3.92	75.6	78.6	77.1		
September	386	52.6	50.0	51.3	45.3	60.1	35.6	28th	66.6	3rd	2.6	1.5	2.1	3.32	3.27	3.30	83.2	89.7	86.5		
October	547	43.5	41.4	42.5	37.7	50.6	26.7	26th	56.7	4th, 8th	1.9	1.8	1.9	2.45	2.28	2.37	85.3	85.7	85.5		
November	169	38.6	37.7	38.2	34.5	43.7	25.0	16th	51.0	5th	1.0	0.9	1.0	2.17	2.12	2.15	90.4	91.5	91.0		
December	29.278	35.1	34.9	35.0	30.9	39.7	20.7	20th	52.5	9th	1.0	1.1	1.1	1.186	1.183	1.185	88.6	87.8	88.2		
Year	29.473	46.2	44.1	45.2	39.1	54.3	—	—	—	—	2.3	1.7	2.0	2.79	2.67	2.73	84.0	87.2	85.6		

CHURCHSTOKE

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.356	34.8	36.0	35.4	30.7	41.9	14.7	1st	58.3	29th	0.9	0.8	0.9	in. 1.190	in. 1.198	in. 1.194	91.2	92.6	91.9		
February	716	37.6	36.8	37.2	31.0	45.3	20.1	10th	55.9	27th	1.8	1.5	1.7	1.193	1.193	1.193	83.1	86.0	84.6		
March	487	36.5	35.2	35.9	28.7	44.1	13.7	13th	57.1	29th	1.8	1.5	1.7	1.183	1.176	1.180	83.2	84.4	83.8		
April	439	43.1	39.0	41.1	32.5	51.2	23.3	15th	63.1	19th	3.6	2.4	3.0	2.06	1.93	2.00	73.5	80.5	77.0		
May	467	48.1	46.2	47.2	40.0	54.6	30.9	1st	67.0	8th	3.2	2.1	2.7	2.65	2.69	2.67	78.6	85.4	82.0		
June	634	61.2	55.4	58.3	46.9	70.9	38.0	1st	81.5	27th	5.9	3.2	4.6	3.68	3.54	3.61	69.2	81.0	75.1		
July	458	64.5	56.8	60.7	50.1	72.2	41.0	6.18	83.2	3rd	6.2	2.7	4.5	4.09	3.87	3.98	67.5	83.3	75.4		
August	409	60.4	54.3	57.4	46.5	68.7	35.9	15th	80.1	6th	5.0	2.9	4.0	3.79	3.47	3.63	72.2	82.5	77.4		
September	351	52.9	49.1	51.0	43.5	59.0	30.1	29th	66.4	5th	3.0	1.6	2.3	3.25	3.11	3.18	81.1	88.7	84.9		
October	526	45.0	41.9	43.5	36.3	51.0	23.5	26th	58.5	4th	2.5	1.6	2.1	2.48	2.36	2.42	81.6	86.5	84.1		
November	108	38.6	38.4	38.5	33.4	44.2	20.3	16th	54.1	5th	1.5	1.4	1.5	2.08	2.07	2.08	86.7	86.3	86.5		
December	29.240	37.0	35.9	36.5	31.1	42.1	21.9	27th	52.7	9th	1.5	1.1	1.3	1.193	1.192	1.193	86.0	88.7	87.4		
Year	29.433	46.6	43.8	45.2	37.6	53.8	—	—	—	—	3.1	1.9	2.5	2.64	2.55	2.60	79.5	85.5	82.5		

MONTHLY SUMMARIES.—LEICESTER—UPPINGHAM—CHURCHSTOKE.

LEICESTER.

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

Heights above Ground :—Barometer, 8 feet. Thermometer, 6 feet.																								
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of										
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January	8.6	7.1	7.9	ins. 2.670	ins. 990	7th	17	2	0	0	0	16	0	2	5	1	2	5	32	7	3	5		
February	6.9	3.2	5.1	0.480	1.60	2nd	8	0	0	0	5	4	0	2	12	1	1	4	26	1	3	6		
March	7.8	4.6	6.2	1.780	4.50	22nd	14	1	1	0	5	13	1	2	24	1	1	2	15	10	4	3		
April	7.0	4.8	5.9	1.000	6.10	26th	10	2	0	0	2	9	0	3	26	0	2	0	18	3	8	0		
May	8.5	5.6	7.1	2.180	3.20	21st	22	1	2	0	4	6	0	1	22	3	5	1	12	7	7	2		
June	6.1	3.4	4.8	1.440	660	2nd	4	0	0	0	4	6	0	1	22	3	5	1	12	7	7	2		
July	5.9	5.4	5.7	0.770	250	4th	9	0	0	2	2	3	0	6	4	1	1	4	31	5	8	2		
August	6.1	5.3	5.8	1.550	320	18th	10	0	1	3	2	5	0	6	2	1	7	6	11	7	20	2		
September	7.1	6.9	7.0	2.590	380	4th	16	0	1	1	0	12	1	6	13	0	0	0	25	8	7	1		
October	5.9	5.4	5.7	1.940	940	29th	14	1	0	0	8	11	0	13	14	1	0	1	13	10	9	1		
November	7.4	7.4	7.4	1.730	320	5th	20	0	0	0	2	16	0	3	21	2	0	3	23	5	0	3		
December	8.5	6.1	7.3	1.380	240	12th	18	4	0	0	1	15	0	13	3	0	0	5	29	6	6	0		
Year	7.2	5.3	6.4	19.510	—	—	162	11	5	7	33	124	2	65	179	13	19	31	243	73	82	25		

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

GELDESTON

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min. Max.		Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.955	34.5	35.3	34.9	30.4	40.3	21.0	1st	53.6	28th	0.6	0.6	0.6	in. 1.90	in. 1.97	in. 1.94	93.7	93.6	93.7		
February	30.280	38.0	37.7	37.9	32.5	45.3	17.0	17th	55.5	5th	1.4	1.2	1.3	2.06	2.07	2.07	87.4	89.2	88.3		
March	30.003	37.5	36.2	36.9	30.4	45.0	19.1	19th	56.1	27th	1.6	1.0	1.3	1.97	1.96	1.97	85.8	90.9	88.4		
April	29.949	45.1	41.3	43.2	36.3	51.3	24.1	17th	65.9	19th	3.5	1.9	2.7	2.27	2.22	2.25	75.5	85.3	80.4		
May	29.952	50.6	46.1	48.4	41.2	54.4	30.7	1st	66.7	8th	3.3	1.3	2.3	2.21	2.28	2.27	70.0	90.1	84.6		
June	30.144	61.7	55.7	58.7	49.0	67.8	40.5	11th	82.0	15th	5.4	2.6	4.0	3.86	3.74	3.80	70.8	84.0	77.4		
July	29.990	67.5	60.8	64.2	53.6	74.7	40.5	19th	85.5	3, 13	7.3	3.1	5.2	4.30	4.40	4.35	63.5	82.7	73.1		
August	.938	64.0	57.0	60.5	49.7	70.4	39.1	22nd	82.4	26th	5.9	1.8	3.9	4.12	4.15	4.14	69.4	88.6	79.0		
September	.871	55.2	53.2	54.2	47.3	61.2	31.2	29th	68.0	4th	3.2	2.5	2.9	3.51	3.44	3.48	80.0	84.7	82.4		
October	.997	46.2	43.8	45.0	39.5	52.1	29.0	13th	59.0	1st	2.1	1.4	1.8	2.69	2.59	2.64	84.7	88.8	86.8		
November	.660	41.4	39.9	40.7	35.5	46.3	23.1	17th	55.7	6th	1.2	1.0	1.1	2.41	2.30	2.36	90.5	91.8	91.2		
December	29.759	35.8	36.0	35.9	31.4	41.6	22.9	12th	53.5	9th	0.9	0.7	0.8	1.94	2.01	1.98	90.3	92.8	91.6		
Year	29.958	48.1	45.3	46.7	39.7	54.2	—	—	—	—	3.0	1.6	2.3	2.83	2.81	2.82	80.9	88.5	84.7		

BENNINGTON

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

1887.	ins.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min. Max.		Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	29.567	33.5	34.7	34.1	29.7	38.7	17.2	17th	50.8	31st	0.7	0.6	0.7	in. 1.80	in. 1.90	in. 1.85	91.2	92.4	91.8		
February	.893	37.1	36.7	36.9	31.9	44.4	22.2	16th	54.4	28th	1.3	1.1	1.2	1.97	1.98	1.98	86.7	88.8	87.8		
March	.634	36.9	35.3	36.1	30.6	44.8	21.1	13th	56.0	27th	1.7	1.1	1.4	1.89	1.87	1.88	85.2	89.3	87.3		
April	.578	43.0	40.8	41.9	34.5	52.0	27.2	17th	63.6	18th	3.0	2.3	2.7	2.19	2.10	2.15	79.5	82.4	81.0		
May	.589	48.7	46.4	47.6	41.3	56.2	33.0	15th	69.6	8th	2.5	1.2	1.9	2.87	2.89	2.88	83.7	91.3	87.5		
June	.778	60.2	56.6	58.4	48.7	69.1	41.6	21st	82.6	15th	4.4	2.8	3.6	3.92	3.81	3.87	75.9	83.5	79.7		
July	.629	66.6	62.7	64.7	53.3	75.8	40.9	19th	85.1	4th	5.7	3.2	4.5	4.63	4.67	4.65	70.9	82.4	76.7		
August	.570	62.6	58.3	60.5	50.9	72.0	42.8	15th	85.1	8th	6.6	4.4	5.5	3.72	3.63	3.68	66.2	74.8	70.5		
September	.514	53.4	51.1	52.3	46.1	60.0	36.5	25th	66.6	4th	3.1	1.6	2.4	3.29	3.36	3.33	80.2	88.7	84.5		
October	.662	44.5	42.2	43.4	38.0	51.0	26.0	26th	59.5	7th	2.0	1.6	1.8	2.53	2.39	2.46	85.2	86.9	86.1		
November	.285	39.0	38.3	38.7	34.5	44.0	19.1	17th	53.6	4th	0.9	0.9	0.9	2.24	2.18	2.21	92.3	92.3	92.3		
December	29.410	35.8	35.9	35.9	31.9	40.4	23.4	27th	53.5	9th	1.2	0.9	1.1	1.91	1.96	1.94	89.2	90.1	89.7		
Year	29.592	46.8	44.9	45.9	39.3	54.0	—	—	—	—	2.8	1.8	2.3	2.75	2.73	2.74	82.2	86.9	84.6		

CHELTENHAM

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

1887.	ins.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min. Max.		Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	29.773	35.3	—	—	30.1	41.2	16.0	10th	52.4	29th	1.0	—	—	in. 1.91	in. —	in. —	90.3	—	—		
February	30.107	38.6	37.8	38.2	32.4	45.8	19.8	17th	55.0	5th	2.1	1.8	2.0	1.98	1.95	1.97	83.2	83.5	83.4		
March	29.870	37.1	36.1	36.6	29.6	44.6	11.2	16th	56.0	29th	1.7	1.8	1.8	1.91	1.81	1.86	85.1	83.9	84.5		
April	.809	44.0	41.7	42.9	33.3	52.5	22.0	15th	65.5	19th	3.9	3.0	3.5	2.10	2.06	2.08	73.0	77.9	75.5		
May	.827	49.3	49.1	49.2	41.8	57.0	32.3	22nd	68.2	8th	3.2	2.6	2.9	2.78	2.89	2.84	78.8	82.4	80.6		
June	.991	61.2	59.1	60.2	48.1	72.2	40.1	10th	84.0	27th	5.4	3.8	4.6	3.83	3.89	3.86	71.7	78.1	74.9		
July	.831	65.8	62.2	64.0	52.5	75.0	40.0	18th	85.5	3rd	5.5	4.3	4.9	4.51	4.26	4.39	71.1	76.3	73.7		
August	.772	62.7	58.5	60.6	48.1	72.2	37.0	3rd	85.6	6th	5.8	4.0	4.9	3.92	3.77	3.85	69.2	77.3	73.3		
September	.728	53.3	51.0	52.2	45.0	61.0	30.4	29th	67.1	3rd, 5th	2.7	1.8	2.3	3.38	3.35	3.35	82.5	87.9	85.2		
October	.906	43.3	41.6	42.5	35.1	51.9	21.2	26th	59.5	4th	1.6	1.2	1.4	2.50	2.43	2.47	87.6	90.9	89.3		
November	.490	39.6	39.7	39.7	34.9	45.1	20.2	16th	52.8	8th	1.4	1.3	1.4	2.19	2.24	2.22	88.0	89.8	88.9		
December	29.644	38.5	36.8	37.7	31.9	42.1	18.2	28, 29	54.8	9th	1.6	1.1	1.4	2.07	2.02	2.05	87.0	90.3	88.7		
Year	29.812	47.4	—	—	38.6	55.1	—	—	—	—	3.0	—	—	2.76	—	—	80.6	—	—		

MONTHLY SUMMARIES.—GELDESTON—BENNINGTON—CHELTENHAM.

GELDESTON.

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

Heights above Ground. — Barometer, 30 in.																								
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of										
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January -	7.8	7.1	7.5	ins. 1.630	ins. .370	9th	16	5	2	0	2	17	0	1	2	6	3	13	18	9	5	5		
February -	5.2	4.6	4.9	0.540	.160	1st	11	0	0	0	7	7	0	3	5	13	3	3	13	5	5	6		
March -	6.9	4.3	5.6	1.600	.300	31st	12	6	4	1	7	10	1	8	13	4	0	2	7	17	4	7		
April -	6.3	5.3	5.8	1.000	.350	28th	11	2	3	0	4	10	0	10	14	5	1	3	10	10	7	0		
May -	8.3	7.3	7.8	1.680	.470	6th	17	0	3	0	1	18	1	14	17	7	0	1	5	9	8	1		
June -	5.4	5.7	5.6	0.160	.120	1st	3	0	0	2	5	9	0	15	14	10	1	2	3	8	3	4		
July -	5.5	4.6	5.1	2.040	.550	15th	12	0	1	3	5	8	0	8	3	8	5	6	18	6	4	4		
August -	6.3	3.8	5.1	1.360	.400	30th	14	0	0	3	4	7	0	5	4	9	5	6	8	7	7	11		
September -	8.1	7.1	7.6	1.920	.320	13th	22	0	0	1	0	15	1	11	6	2	1	4	15	13	7	1		
October -	7.9	6.2	7.1	2.750	.610	29th	17	2	3	0	2	14	1	12	1	0	1	2	10	19	15	2		
November -	8.0	6.3	7.2	2.180	.370	3rd	23	1	2	0	4	16	0	5	9	6	1	7	11	13	2	6		
December -	7.9	4.6	6.3	1.270	.130	4, 14, 16	21	8	6	0	2	9	0	4	4	1	0	6	14	22	10	1		
Year -	7.0	5.6	6.3	18.130	—	—	179	24	24	10	43	140	4	96	92	71	21	55	132	138	77	48		

ST. DAVID'S (PEMBROKE)

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.715	41.5	41.6	41.6	37.5	44.6	29.5	16th	50.0	26th	1.3	1.3	1.3	in. .238	in. .241	in. .240	89.6	89.5	89.6		
February	30.065	40.9	40.4	40.7	36.7	44.8	22.8	10th	50.2	3rd	1.4	1.3	1.4	.232	.227	.230	88.8	88.5	88.7		
March	29.857	41.3	39.0	40.2	34.6	45.5	25.4	13th	53.0	29th	2.1	1.4	1.8	.221	.213	.217	84.5	87.9	86.2		
April	.802	45.3	42.2	43.8	37.5	49.5	29.2	15th	57.1	11th	3.0	1.5	2.3	.240	.239	.240	78.8	88.5	83.7		
May	.840	49.8	47.7	48.8	43.4	54.3	37.7	2nd	61.4	17th	1.9	1.0	1.5	.313	.310	.312	87.2	93.2	90.2		
June	.975	60.4	55.0	57.7	50.6	64.6	43.2	4th, 11th	76.2	17th	4.2	1.8	3.0	.402	.386	.394	77.7	89.6	83.7		
July	.818	61.8	57.6	59.7	54.1	65.8	49.3	1st	72.8	8th	2.6	0.9	1.8	.468	.451	.460	84.8	94.2	89.5		
August	.764	60.8	57.0	58.9	53.0	65.3	45.3	15th	72.2	5th	3.5	1.8	2.7	.425	.415	.420	79.7	88.5	84.1		
September	.707	55.7	53.2	54.5	49.0	59.3	38.8	29th	63.7	3rd	2.6	1.8	2.2	.373	.358	.366	83.7	87.6	85.7		
October	.905	49.5	48.2	48.9	43.9	52.8	34.7	26th	59.5	3rd	2.7	2.0	2.4	.292	.293	.293	82.1	85.9	84.0		
November	.443	43.6	42.9	43.3	38.6	47.6	27.8	24th	52.6	1st, 8th	2.0	1.7	1.9	.243	.245	.244	85.0	86.8	85.9		
December	29.627	42.2	41.7	42.0	37.7	45.4	23.8	29th	52.6	9th	1.5	1.8	1.7	.242	.232	.237	87.5	85.7	86.6		
Year	29.793	49.4	47.2	48.3	43.1	53.3	—	—	—	—	2.4	1.5	2.0	.307	.301	.304	84.1	88.8	86.5		

CARMARTHEN

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

January	ins. 29.743	38.0	38.5	38.3	33.5	44.8	19.5	1st	56.3	26th	1.0	0.9	1.0	in. 214	in. 219	in. 217	91.2	91.7	91.5
February	30.086	41.4	38.5	40.0	34.3	46.8	24.5	10th	55.9	27th	2.2	1.4	1.8	220	210	215	82.5	87.2	84.9
March	29.871	42.6	37.7	40.2	32.0	48.0	19.5	14th	61.5	29th	3.8	1.7	2.8	201	196	199	73.0	84.9	79.0
April	810	48.0	41.5	44.8	34.9	53.5	25.9	15th	64.2	19th	5.4	2.5	4.0	221	213	217	66.1	81.4	73.8
May	838	53.6	49.1	51.4	43.8	58.0	36.4	14th	65.9	16th	4.7	2.2	3.5	297	298	298	72.2	85.1	78.7
June	989	66.8	58.0	62.4	50.4	72.7	38.4	4th	83.9	23rd	8.3	3.3	5.8	394	389	392	62.3	81.6	72.0
July	834	67.0	58.9	63.0	52.7	71.6	42.6	31st	82.9	3rd	6.3	2.3	4.3	446	429	438	68.2	86.2	77.2
August	784	62.8	57.0	59.9	49.5	69.8	40.1	15th	79.3	24th	—	—	—	—	—	—	—	—	—
September	730	56.0	51.2	53.6	45.9	61.1	33.5	29th	66.7	20th	3.6	1.7	2.7	352	335	344	78.3	88.7	83.5
October	912	47.5	44.5	46.0	38.7	54.0	24.5	26th	61.7	17th	2.7	1.6	2.2	271	263	267	81.6	88.2	84.9
November	472	41.7	40.9	41.3	36.0	47.9	21.3	17th	55.9	5th	2.0	1.4	1.7	227	231	229	84.3	88.2	86.3
December	29.648	39.8	38.0	38.9	33.4	45.1	21.5	28th	53.8	8th	1.3	1.0	1.2	223	217	220	88.4	90.8	89.6
Year	29.810	50.4	46.2	48.3	40.4	56.1	—	—	—	—	—	—	—	—	—	—	—	—	—

BERKHAMSTED

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

January	ins. 29.564	32.6	33.6	33.1	27.8	39.1	11.2	1st	50.2	26th	0.6	0.7	0.7	in. 172	in. 178	in. 175	93	92	93
February	893	35.9	36.1	36.0	31.1	44.5	17.9	17th	52.4	5th	1.1	1.4	1.3	188	185	187	89	87	88
March	637	36.6	35.0	35.8	30.6	45.1	19.3	14th	56.6	27th	2.0	1.6	1.8	179	172	176	82	84	83
April	579	42.5	40.5	41.5	34.0	52.2	23.3	17th	63.5	19th	3.2	2.5	2.9	207	202	205	76	80	78
May	594	48.9	47.2	48.1	40.9	56.4	32.6	15th	67.1	8th	3.2	2.2	2.7	270	273	272	78	84	81
June	782	59.8	57.2	58.5	48.2	69.7	39.5	27th	82.0	15th	5.2	3.9	4.6	361	357	359	70	76	73
July	635	65.4	62.2	63.8	51.8	75.1	40.1	18th	84.9	3rd	7.2	4.4	5.8	393	419	406	63	75	69
August	575	61.6	58.0	59.8	49.0	71.8	37.8	15th	85.0	6th	6.5	5.0	5.8	355	342	349	65	71	68
September	521	52.8	51.3	52.1	45.9	60.6	33.1	29th	66.9	5th	3.2	2.0	2.6	316	325	321	79	86	83
October	672	43.5	41.7	42.6	36.9	51.9	23.2	26th	60.2	28th	2.0	1.6	1.8	238	230	234	84	87	86
November	282	39.0	38.3	38.7	34.7	44.7	16.8	17th	53.4	2nd	1.1	0.9	1.0	216	214	215	91	93	92
December	29.418	35.7	36.2	36.0	32.1	41.4	22.7	28th	52.9	9th	1.0	1.0	1.0	189	193	191	90	90	90
Year	29.596	46.2	44.8	45.5	38.6	54.4	—	—	—	—	3.0	2.3	2.7	257	258	258	80.0	83.8	81.9

ST. DAVID'S (PEMBROKE).

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

Heights above Ground:—Barometer, 6 feet. Thermometers, 1 foot. Rain gauge, 1 foot.																							
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January -	7.2	8.1	7.7	ins. 3.778	.662	10th	25	1	4	1	1	15	0	3	4	6	10	13	7	8	9	2	
February -	6.3	4.2	5.3	1.092	.315	17th	11	0	0	0	4	7	0	3	10	9	7	7	9	2	4	5	
March -	5.6	4.2	4.9	1.672	.480	22nd	16	9	4	0	4	4	0	4	11	8	10	2	7	7	8	5	
April -	5.4	3.6	4.5	0.622	.150	26th	9	1	0	0	5	4	1	11	17	4	1	1	9	6	4	7	
May -	7.5	6.4	7.0	1.782	.512	19th	15	0	2	1	2	12	1	12	20	2	0	1	6	4	7	10	
June -	5.1	3.6	4.4	0.337	.120	7th	9	0	0	0	8	5	0	6	9	4	7	6	8	3	6	11	
July -	6.7	4.7	5.7	2.509	.750	12th	12	0	0	0	1	7	0	7	6	0	4	7	19	3	7	9	
August -	6.2	4.5	5.4	1.292	.275	12th	13	0	0	1	3	5	0	9	7	0	10	7	8	3	6	12	
September -	6.7	6.1	6.4	3.098	.632	1st	18	0	1	2	2	10	0	3	9	3	0	4	10	8	12	11	
October -	7.8	7.5	7.7	2.735	.622	12th	18	0	5	2	0	13	2	12	16	2	1	2	8	6	9	6	
November -	7.0	6.3	6.7	3.642	.662	19th	21	0	1	0	2	12	2	4	15	5	3	6	12	5	4	6	
December -	7.7	7.2	7.5	3.005	.451	12th	22	2	4	0	0	12	0	4	3	4	4	3	9	15	14	6	
Year -	6.6	5.5	6.1	25.562	—	—	189	13	21	7	32	106	6	78	127	47	57	59	112	70	90	90	

CARMARTHEN.

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

Heights above Ground:—Barometer, 7 Feet. Thermometer, 68° F.																							
				ins.	ins.	3rd	19	4	1	0	3	12	0	3	1	8	3	5	11	5	4	22	
January	-	6.6	7.4	7.0	4.770	.630	2nd	9	0	0	0	11	9	1	2	4	15	2	2	13	0	5	13
February	-	5.5	4.1	4.8	1.500	.340	22nd	11	4	0	0	7	8	0	2	8	13	2	0	4	9	2	22
March	-	5.5	5.0	5.3	2.360	.760	25th	10	1	3	0	10	5	0	9	7	10	1	0	9	6	3	15
April	-	5.4	3.0	4.2	1.260	.330	19th	11	0	1	1	1	16	0	12	9	13	1	1	6	6	6	8
May	-	7.8	6.8	7.3	1.730	.550	2nd	5	0	0	0	12	5	0	9	4	14	0	8	5	4	1	15
June	-	4.2	3.2	3.7	0.440	.170	26th	13	0	0	2	3	7	0	8	2	0	1	8	17	9	6	11
July	-	6.6	4.4	5.5	3.770	1.580	30th	9	0	0	1	2	1	0	10	6	5	11	8	8	9	5	0
August	-	4.9	5.5	5.2	2.660	1.280	1st	16	0	0	0	6	8	0	7	1	8	0	1	9	17	6	11
September	-	5.1	5.6	5.4	3.500	1.050	27th	15	0	5	0	2	11	1	13	1	2	0	4	4	8	1	29
October	-	7.1	5.4	6.3	3.920	.970	5th	18	0	1	0	2	9	1	1	8	22	0	1	11	7	0	10
November	-	5.7	7.4	6.6	4.010	.800	12th	18	0	2	0	2	10	0	5	3	3	3	2	12	9	3	22
December	-	6.9	6.4	6.7	3.900	.550																	
Year	-	5.9	5.4	5.7	33.820	—	154	9	13	4	61	101	3	81	54	113	24	40	109	89	42	178	

KEW

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January -	ins.	29.990	34.6	35.8	35.2	31.3	39.8	14.9	2nd	51.4	19th	0.9	1.0	1.0	in.	in.	in.	%	%	%
February -	30.310	37.3	38.3	37.8	33.3	44.8	20.7	17th	53.8	5th	1.8	2.1	2.0	1.88	1.91	1.90	85	83	84	
March -	30.050	37.5	37.2	37.4	32.8	44.3	23.8	19th	55.7	27th	2.2	2.0	2.1	1.82	1.84	1.83	81	83	82	
April -	29.984	43.3	42.9	43.1	36.4	52.4	27.4	17th	64.5	19th	3.6	3.2	3.4	2.07	2.11	2.09	74	77	76	
May -	29.991	50.2	50.0	50.1	43.3	57.1	34.8	1st	67.6	8th	3.7	3.2	3.5	2.74	2.82	2.78	76	79	78	
June -	30.170	59.8	60.0	59.9	50.8	69.9	44.1	27th	81.0	15th	5.0	5.1	5.1	3.67	3.67	3.67	71	71	71	
July -	30.021	65.9	64.7	65.3	54.9	75.6	45.3	18th	85.3	3rd	7.0	5.8	6.4	4.05	4.20	4.13	65	69	67	
August -	29.960	61.8	60.8	61.3	52.1	71.7	41.5	15th	84.5	6th	6.1	5.2	5.7	3.67	3.76	3.72	67	71	69	
September	29.919	53.9	53.6	53.8	47.3	60.7	32.9	29th	67.8	5th	3.6	2.8	3.2	3.19	3.35	3.27	77	81	79	
October -	30.081	43.9	43.8	43.9	38.6	51.8	26.4	26th	60.3	8th	2.4	2.2	2.3	2.36	2.39	2.38	82	83	83	
November	29.691	40.4	40.5	40.5	36.4	45.1	23.2	16th	53.8	4th	1.4	1.5	1.5	2.22	2.20	2.21	89	88	89	
December	29.838	37.4	38.2	37.8	34.0	42.2	25.5	27th	54.6	9th	1.5	1.5	1.5	1.94	2.01	1.98	87	88	88	
Year -	30.000	47.2	47.2	47.2	40.9	54.6	—	—	—	—	3.3	3.0	3.2	2.62	2.68	2.65	78.8	80.4	79.6	

MARGATE

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

	ins.													in.	in.	in.	%	%	%
January -	29.932	36.7	36.9	36.8	32.9	41.3	27.1	2, 17	51.6	28th	1.0	1.0	1.0	.200	.202	.201	90.7	91.2	91.0
February -	30.244	39.5	38.9	39.2	34.9	43.9	24.4	18th	53.8	5th	2.0	1.7	1.9	.207	.206	.207	83.3	85.0	84.2
March -	29.965	38.6	37.2	37.9	33.3	43.7	23.6	19th	54.3	27th	1.7	1.4	1.6	.203	.195	.199	85.5	87.2	86.4
April -	.905	44.5	41.9	43.2	37.6	49.8	30.0	18th	64.1	19th	3.3	2.0	2.7	.227	.226	.227	77.3	85.3	81.3
May -	29.908	49.1	47.2	48.2	43.9	54.1	36.0	21st	64.7	8th	2.6	1.6	2.1	.288	.287	.288	82.7	88.4	85.6
June -	30.103	58.6	55.7	57.2	51.4	64.3	41.2	11th	80.5	15th	3.9	2.2	3.1	.381	.381	.381	77.9	85.9	81.9
July -	29.966	65.6	60.9	63.3	56.0	71.9	49.9	2nd	82.1	4, 13	5.9	3.3	4.6	.436	.434	.435	69.4	81.4	75.4
August -	.900	62.9	59.8	61.4	55.1	69.2	47.1	15th	81.3	8th	5.5	3.3	4.4	.404	.416	.410	70.9	81.0	76.0
September	.857	55.7	54.5	55.1	49.8	61.0	39.1	29th	67.0	5th	3.7	2.7	3.2	.345	.355	.350	78.0	82.9	80.5
October -	.987	46.3	46.1	46.2	41.4	52.2	30.5	13th	60.0	8th	2.3	2.6	2.5	.266	.258	.262	83.7	81.5	82.6
November	.625	42.8	41.8	42.3	38.0	46.8	22.0	17th	53.5	5th, 6th	1.6	1.7	1.7	.243	.234	.239	87.5	87.3	87.4
December	29.760	38.2	38.7	38.5	33.9	42.9	26.0	27, 29	54.8	9th	1.7	1.3	1.5	.201	.214	.208	85.6	89.2	87.4
Year -	29.929	48.2	46.6	47.4	42.4	53.4	—	—	—	—	2.9	2.1	2.5	.283	.284	.284	81.0	85.5	83.3

SOUTHAMPTON

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

	ins.													in.	in.	%	%	%	
January -	29.936	36.0	37.3	36.7	32.2	41.4	20.1	17th	52.7	31st	0.5	0.4	0.5	.207	.218	.213	95.2	95.9	95.6
February -	30.255	39.0	38.5	38.8	33.9	45.8	22.7	17th	54.6	25th	1.2	1.2	1.2	.218	.213	.216	89.5	89.3	89.4
March -	30.006	39.5	37.8	38.7	32.5	47.6	23.0	14, 17	57.5	29th	2.3	1.7	2.0	.202	.197	.200	82.1	85.3	83.7
April -	29.931	46.7	43.4	45.1	36.0	55.1	27.2	15th	68.8	19th	4.2	2.7	3.5	.231	.228	.230	72.7	80.5	76.6
May -	29.941	53.3	50.3	51.8	44.1	60.0	34.4	1st	69.4	8th	4.1	2.3	3.2	.304	.312	.308	75.1	84.5	79.8
June -	30.116	64.3	59.4	61.9	50.9	72.3	45.3	4th, 21st	84.0	19th	5.6	3.2	4.4	.424	.412	.418	71.2	81.6	76.4
July -	29.981	68.6	63.1	65.9	55.0	76.3	46.8	18, 19	89.0	4th	6.4	3.5	5.0	.472	.463	.468	68.0	80.3	74.2
August -	.912	66.7	60.5	63.6	52.4	73.9	45.0	15th	86.3	8th	7.0	3.9	5.5	.422	.409	.416	65.3	77.7	71.5
September	29.873	56.9	53.4	55.2	47.8	63.7	35.5	28, 29	69.7	20th	3.4	1.9	2.7	.370	.361	.366	79.4	87.5	83.5
October -	30.041	46.9	45.0	46.0	39.4	55.1	25.2	26th	64.7	8th	2.7	2.0	2.4	.263	.260	.262	80.8	85.6	83.2
November	29.623	41.6	40.5	41.1	37.0	47.1	25.7	16th	55.9	4th, 5th	1.1	1.0	1.1	.245	.235	.240	91.4	91.4	91.4
December	29.800	38.6	38.3	38.5	34.0	44.1	24.1	28th	54.2	9th	1.0	1.1	1.1	.218	.215	.217	90.6	90.0	90.3
Year -	29.951	49.8	47.3	48.6	41.3	56.9	—	—	—	—	3.3	2.1	2.7	.298	.294	.296	80.1	85.8	83.0

KEW.

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

Heights above Ground. — Barometer.																						
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	8.2	7.4	7.8	ins.	ins.	3rd	20	7	0	0	2	18	0	3	0	2	3	12	10	5	0	27
February -	6.3	4.9	5.6	0.570	.190	17th	8	0	0	0	7	11	0	3	14	5	1	2	14	1	2	14
March -	7.6	4.7	6.2	1.705	.405	15th	13	3	0	0	1	10	1	4	11	7	1	2	6	8	3	20
April -	6.3	4.4	5.4	1.310	.315	23rd	13	0	1	0	5	9	2	15	12	2	0	4	11	4	3	9
May -	8.2	7.1	7.7	1.695	.300	3rd	21	0	1	1	1	18	0	20	12	2	0	1	3	10	9	5
June -	5.6	3.7	4.7	1.130	.570	2nd	4	0	0	0	8	8	0	14	11	9	0	3	10	6	2	5
July -	5.2	3.4	4.3	0.820	.295	24th	12	0	0	2	7	3	0	7	4	4	0	11	17	2	4	13
August -	5.5	4.2	4.9	2.680	1.135	17th	10	0	0	2	4	8	0	7	2	5	2	7	6	7	5	21
September -	6.8	6.5	6.7	2.165	.425	16th	17	0	0	1	2	13	1	9	7	0	0	5	18	6	4	11
October -	7.0	5.2	6.1	1.465	.650	29th	16	1	2	0	5	11	0	10	1	0	1	2	5	11	8	24
November -	7.3	6.5	6.9	3.050	.510	3rd	22	1	1	0	2	14	1	6	13	7	0	6	8	8	1	11
December -	7.8	6.9	7.4	1.360	.265	14th	15	3	1	0	3	19	0	8	4	1	1	3	8	16	6	15
Year	6.8	5.4	6.1	19.415	—	—	171	15	6	6	47	142	5	106	91	44	9	58	116	84	47	175

ST. LEONARD'S

Long. $0^{\circ} 33' E.$ Lat. $50^{\circ} 51' N.$ Height above Mean Sea Level, 129 feet.

1887.	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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EASTBOURNE

Long. $0^{\circ} 17' E.$ Lat. $50^{\circ} 46' N.$ Height above Mean Sea Level, 39 feet.

[illegible]

SOUTHBORNE

Long. $1^{\circ} 48' \text{ W.}$ Lat. $50^{\circ} 44' \text{ N.}$ Height above Mean Sea Level, 90 feet.

	ins.													in.	in.	in.	%	%	%
January -	29° 90'1	37° 2	38° 2	37° 7	33° 7	42° 7	20° 2	1st	49° 9	31st	1° 0	1° 0	1° 0	° 205	° 214	° 210	90° 3	90° 5	90° 4
February -	30° 230	39° 1	38° 2	38° 7	34° 1	44° 3	26° 2	16th	52° 2	25th	1° 5	1° 3	1° 4	° 213	° 207	° 210	86° 8	87° 3	87° 1
March -	29° 987	38° 3	37° 4	37° 9	32° 0	46° 1	21° 5	17th	57° 8	27th	1° 7	1° 3	1° 5	° 200	° 200	° 200	85° 1	88° 3	86° 7
April -	° 914	46° 3	42° 9	44° 6	36° 1	53° 0	26° 5	17th	67° 2	19th	4° 0	2° 7	3° 4	° 230	° 221	° 226	72° 7	80° 0	76° 4
May -	29° 932	52° 1	49° 0	50° 6	43° 2	58° 1	34° 0	21st	66° 0	9, 24, 31	4° 0	2° 2	3° 1	° 294	° 297	° 296	75° 6	85° 6	80° 6
June -	30° 104	61° 6	57° 1	59° 4	49° 8	67° 6	43° 0	13th	77° 8	19th	5° 4	2° 8	4° 1	° 388	° 388	° 388	71° 6	84° 0	77° 8
July -	29° 969	66° 9	60° 8	63° 9	54° 3	72° 5	44° 2	18th	82° 1	4th	6° 5	3° 0	4° 8	° 443	° 439	° 441	67° 5	82° 5	75° 0
August -	° 899	65° 0	59° 7	62° 4	51° 4	71° 4	43° 7	22nd	83° 6	8th	6° 9	3° 4	5° 2	° 400	° 412	° 406	65° 3	80° 5	72° 9
September	29° 857	56° 4	53° 5	55° 0	48° 1	62° 4	35° 1	29th	68° 5	6th	3° 4	1° 9	2° 7	° 362	° 362	° 362	79° 1	87° 4	83° 3
October -	30° 026	47° 0	45° 1	46° 1	38° 7	53° 5	26° 3	26th	62° 5	8th	2° 9	2° 2	2° 6	° 261	° 256	° 259	80° 2	84° 2	82° 2
November	29° 599	42° 4	41° 1	41° 8	37° 7	46° 4	25° 1	16th	54° 9	2nd	1° 4	1° 2	1° 3	° 246	° 237	° 242	88° 7	89° 9	89° 3
December	29° 784	39° 3	38° 3	38° 8	34° 0	44° 0	22° 4	28th	53° 0	9th	1° 4	1° 2	1° 3	° 218	° 212	° 215	87° 9	88° 6	88° 3
Year -	29° 934	49° 3	46° 8	48° 1	41° 1	55° 2	—	—	—	—	3° 3	2° 0	2° 7	° 288	° 287	° 288	79° 2	85° 7	82° 5

ST. LEONARD'S.

Heights above Ground:—Barometer, 17 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Show.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	6.3	6.2	6.3	ins. 3.060	ins. .616	11th	20	5	0	0	7	13	3	10	7	1	10	10	10	9	2	3
February -	5.8	5.1	5.5	0.634	.241	2nd	11	1	0	0	7	10	0	7	20	6	2	3	11	2	1	4
March -	6.9	4.0	5.5	1.261	.290	11th	16	7	0	0	5	8	2	16	18	4	2	1	7	6	4	4
April -	5.1	4.0	4.6	1.552	.231	6th	14	3	0	0	8	5	6	11	20	4	2	7	8	3	2	3
May -	7.6	6.1	6.9	1.712	.306	12th	20	0	1	0	3	14	2	11	16	3	1	3	3	6	11	8
June -	4.9	4.7	4.8	0.942	.628	3rd	3	0	0	0	11	8	0	4	24	6	2	4	11	9	0	0
July -	5.6	3.7	4.7	0.424	.117	17th	8	0	0	0	7	5	0	2	10	7	6	7	23	3	2	2
August -	5.5	3.0	4.3	2.213	.602	29th	9	0	0	2	8	5	2	3	5	9	13	4	7	7	5	9
September	6.0	5.7	5.9	2.910	.525	26th	15	0	0	1	3	5	3	9	13	2	1	2	18	9	6	0
October -	6.1	4.6	5.4	1.639	.529	29th	13	1	2	0	7	9	3	24	4	0	1	5	5	9	13	1
November	8.2	6.1	7.2	5.248	.834	28th	25	1	1	0	3	15	5	10	13	7	6	5	6	7	6	0
December	7.3	7.2	7.3	2.361	.461	8th	21	6	0	0	2	14	2	19	3	1	0	2	10	12	14	1
Year -	6.3	5.0	5.7	23.956	—	—	175	24	4	3	71	111	28	126	153	50	46	53	119	82	66	35

EASTBOURNE.

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

[illegible]

- SOUTHBOURNE.

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

[illegible]

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

ROUSDON

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

1887.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January -	ins. 29°423	37°2	37°9	37°6	34°1	42°2	19°9	1st	51°1	31st	0°5	0°4	0°5	in. 212	in. 220	in. 216	% 95	% 96	% 96		
February -	738	38°4	37°3	37°9	33°0	43°7	23°9	17th	50°1	25th	0°9	0°6	0°8	214	211	213	92	95	94		
March -	510	38°4	36°3	37°4	31°4	46°0	20°9	17th	57°9	30th	1°4	0°8	1°1	204	198	201	88	93	91		
April -	442	44°6	40°1	42°4	34°5	52°5	27°8	15th	65°9	19th	3°0	1°6	2°3	230	215	223	78	87	83		
May -	470	51°0	46°7	48°9	42°0	57°5	33°8	1st	66°1	31st	2°9	1°4	2°2	301	285	293	80	89	85		
June -	644	61°0	55°2	58°1	50°0	68°6	42°8	21st	78°9	15,19,29	4°3	1°9	3°1	401	379	390	75	87	81		
July -	509	63°5	58°1	60°8	53°8	70°0	49°0	1,6,19	81°1	20th	4°0	1°9	3°0	453	425	439	77	88	83		
August -	440	62°4	56°8	59°6	52°0	68°5	45°9	14,15,21	82°9	9th	5°2	2°9	4°1	399	378	389	71	82	77		
September	392	55°0	50°8	52°9	45°8	61°6	36°3	29th	67°1	23rd	2°6	1°3	2°0	360	336	348	83	91	87		
October -	561	46°0	43°5	44°8	39°1	53°3	27°8	25th	61°1	1st	2°4	1°8	2°1	255	242	249	82	86	84		
November	121	40°6	39°9	40°3	35°8	46°2	25°9	16th	54°7	3rd	1°0	0°9	1°0	231	227	229	91	92	92		
December	29°310	38°1	36°8	37°5	32°6	43°8	21°9	28th	54°1	9th	0°8	0°8	0°8	214	203	209	93	93	93		
Year -	29°463	48°0	45°0	46°5	40°3	54°5	—	—	—	—	2°4	1°4	1°9	290	277	284	83·8	89·9	86·9		

DARTMOOR

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

	ins.																					
January -		35°9	35°1	35°5	30°8	42°2	19°0	16th	49°5	28th	0°6	0°3	0°5	in. °202	in. °197	in. °200	% 94°2	% 94°1	% 94°2			
February	—	34°3	34°2	34°3	30°5	40°6	18°5	10th	49°0	5th	0°5	0°8	0°7	°190	°183	°187	93°5	87°7	90°6			
March -	—	34°1	31°9	33°0	27°6	39°9	16°0	17th	52°0	30th	1°1	0°9	1°0	°175	°162	°169	85°7	88°0	86°9			
April -	—	38°0	35°2	36°6	31°4	45°2	26°5	10th	53°0	12th	2°4	2°2	2°3	°184	°163	°174	80°3	78°4	79°4			
May	—	40°5	38°2	39°4	33°5	47°5	30°0	22, 30	56°0	8th	2°5	3°2	2°9	°204	°173	°189	80°7	74°9	77°8			
June -	—	55°8	52°7	54°3	49°0	65°1	39°0	1st	74°0	15th	2°6	3°0	2°8	°374	°324	°349	84°0	81°4	82°7			
July -	—	63°3	61°7	62°5	56°3	70°4	48°0	17th	80°7	3rd	3°8	3°5	3°7	°459	°442	°451	80°2	81°2	80°7			
August -	—	58°9	55°4	57°2	51°7	64°1	42°5	21st	73°0	7th	2°4	2°0	2°2	°428	°385	°407	86°1	87°1	86°6			
September	—	46°8	44°2	45°5	40°1	55°7	32°7	27th	60°0	20th	2°3	2°1	2°2	°271	°249	°260	84°1	85°0	84°6			
October -	—	42°6	40°5	41°6	35°1	48°3	28°5	26th	56°9	4th	3°0	2°8	2°9	°215	°201	°208	78°1	78°8	78°5			
November	—	41°3	39°0	40°2	34°2	46°1	24°0	16th	52°7	28th	2°2	2°0	2°1	°220	°203	°212	82°6	82°5	82°6			
December	—	35°8	32°9	34°4	27°8	41°3	17°0	22nd	48°3	4th	2°7	2°6	2°7	°160	°136	°148	71°1	66°7	68°9			
Year -	—	43°9	41°8	42°9	37°3	50°5	—	—	—	—	2°2	2°1	2°2	°257	°235	°246	83°4	82°2	82°8			

BABBACOMBE

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

		Air Temperature.																			Humidity.								
		Means of			Absolute Min. and Max.													Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	3 p.m.	Mean.	Day.							Night.						9 a.m.			3 p.m.			Mean.					
		Min.	Max.	Mean.	Min.	Day.	Max.	Day.	9 a.m.	3 p.m.	Mean.	9 a.m.	3 p.m.	Mean.	9 a.m.	3 p.m.	Mean.	9 a.m.	3 p.m.	Mean.	9 a.m.	3 p.m.	Mean.	9 a.m.	3 p.m.	Mean.			
January	ins. 29.669	39.4	39.9	39.7	36.1	44.8	24.0	2nd	52.2	31st	1.0	1.0	1.0	in. 227	in. 231	in. 229	% 91.3	% 91.2	% 91.3										
February	984	41.1	40.3	40.7	36.8	45.7	21.6	17th	53.5	25th	2.1	1.6	1.9	219	221	220	82.5	85.9	84.2										
March	762	40.7	38.8	39.8	33.9	45.5	23.6	21st	57.9	28th	2.7	1.9	2.3	204	200	202	79.5	83.4	81.5										
April	694	46.9	42.4	44.7	37.2	52.7	28.2	15th	65.8	19th	4.4	3.0	3.7	228	212	220	71.1	78.1	74.6										
May	724	51.2	49.2	50.2	44.6	57.5	37.1	5th	67.9	8th	3.3	2.4	2.9	298	294	296	79.3	83.7	81.5										
June	889	62.3	57.4	59.9	52.1	68.9	45.8	23rd	82.7	27th	5.3	3.1	4.2	400	384	392	72.7	81.7	77.2										
July	756	67.0	60.8	63.9	56.4	72.8	51.1	31st	84.1	4th	5.5	2.9	4.2	470	443	457	71.6	83.2	77.4										
August	686	64.3	58.1	61.2	53.1	70.2	44.6	15th	82.9	9th	5.5	3.0	4.3	427	399	413	71.4	82.4	76.9										
September	639	56.4	53.1	54.8	49.0	61.6	35.4	29th	66.7	5th	3.5	2.1	2.8	360	350	355	78.7	85.9	82.3										
October	813	48.4	46.3	47.4	41.7	54.0	27.3	26th	60.0	28th	3.1	2.5	2.8	269	260	265	78.9	82.0	80.5										
November	364	43.4	42.4	42.9	39.1	47.9	31.3	21st	54.6	2nd	1.9	1.5	1.7	244	242	243	86.1	88.3	87.2										
December	29.565	40.7	39.5	40.1	35.8	45.7	24.6	28th	54.2	9th	1.6	1.5	1.6	227	216	222	86.5	86.4	86.5										
Year	29.712	50.2	47.4	48.8	43.0	55.6	—	—	—	—	3.3	2.2	2.8	298	288	293	79.1	84.4	81.8										

MONTHLY SUMMARIES.—ROUSDON—DARTMOOR—BABBACOMBE.

ROUSDON.

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

Heights above Ground:—Barometer, 1 foot below surface of water.																								
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January -	7.8	8.6	8.2	ins. 3.380	ins. 3.970	3rd	14	5	0	0	0	21	3	8	4	4	6	7	9	11	9	4	0	
February -	7.1	4.9	6.0	0.550	1.180	2nd	8	1	0	0	6	10	3	7	14	9	3	7	8	4	4	0	0	
March -	6.1	5.5	5.8	1.350	1.580	21st	9	7	1	0	5	8	3	13	13	3	3	2	7	9	6	6	6	
April -	5.6	4.8	5.2	1.010	1.280	23rd	9	1	1	0	8	8	4	5	21	3	4	3	9	6	8	1	1	
May -	6.7	6.6	6.7	2.310	1.680	1st	14	0	0	0	13	5	0	6	9	5	5	4	12	2	8	9	9	
June -	4.3	3.3	3.8	0.190	1.160	2nd	3	0	0	0	13	5	0	8	3	0	4	4	21	9	13	0	0	
July -	5.8	5.0	5.4	0.090	1.320	26th	12	0	0	2	6	7	0	8	3	0	4	4	21	9	13	0	0	
August -	5.0	5.6	5.3	2.020	1.650	30th	10	0	0	1	7	10	0	8	6	4	10	8	9	1	15	1	1	
September -	6.5	6.3	6.4	3.120	1.100	16th	16	0	0	1	5	13	2	18	12	0	2	2	5	7	14	2	2	
October -	7.0	6.0	6.5	3.580	1.370	29th	12	1	1	1	5	12	2	13	11	6	3	1	14	5	4	3	3	
November -	7.5	7.1	7.3	3.540	1.640	2nd	21	5	1	0	2	13	4	13	11	6	3	1	14	5	4	3	3	
December -	7.2	6.6	6.9	3.380	1.010	12th	19	6	4	0	3	16	5	12	9	1	1	5	8	15	10	1	1	
Year	6.4	5.9	6.2	25.330	—	—	147	26	8	6	64	136	27	110	139	38	43	45	124	79	122	30	30	

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

FALMOUTH

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

1887.	Mean Pressure at 32° Fah.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		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	29.811	41.7	42.2	42.0	38.7	45.7	32.8	16th	52.7	28th	1.6	1.4	1.5	2.30	2.39	2.35	88	90	89
February	30.122	41.6	41.6	41.6	38.5	45.5	28.5	17th	53.3	5th	1.9	1.7	1.8	2.24	2.28	2.26	86	87	87
March	29.912	40.6	40.1	40.4	35.9	45.7	25.4	14th	54.5	30th	2.5	2.1	2.3	2.03	2.06	2.05	81	83	82
April	29.847	45.5	42.5	44.0	38.6	49.6	32.0	15th	54.0	19th	3.7	2.9	3.3	2.25	2.13	2.19	74	78	76
May	29.884	51.7	48.9	50.3	44.5	55.5	36.4	5th	62.6	25th	3.5	1.8	2.7	2.96	3.02	2.99	77	88	83
June	30.024	63.2	57.9	60.6	53.0	66.5	44.8	9th	74.1	15th	6.0	3.2	4.6	3.90	3.88	3.89	67	80	74
July	29.894	66.0	60.6	63.3	56.8	69.9	51.6	19th	75.7	8th	5.6	2.6	4.1	4.46	4.45	4.46	70	84	77
August	29.820	63.5	58.4	61.0	54.6	66.7	48.9	15th	73.1	8th	4.9	2.6	3.8	4.25	4.10	4.18	72	84	78
September	29.788	55.9	53.2	54.6	50.0	59.7	39.5	29th	65.2	5th	3.4	2.2	2.8	3.54	3.44	3.49	79	85	82
October	29.967	48.3	47.5	47.9	43.2	52.8	33.1	26th	57.8	1st	3.3	2.6	3.0	2.61	2.68	2.65	77	82	80
November	29.508	43.6	43.6	43.6	40.6	48.0	32.8	24th	54.0	2nd	2.3	2.0	2.2	2.34	2.41	2.38	82	85	84
December	29.727	42.3	41.4	41.9	37.9	50.7	26.6	28th	53.9	8th	2.1	2.0	2.1	2.26	2.20	2.23	84	85	85
Year	29.859	50.3	48.2	49.3	44.4	54.7	—	—	—	—	3.4	2.3	2.9	2.93	2.92	2.93	78.1	84.3	81.2

LONDONDERRY

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

1887.	Mean Pressure at 32° Fah.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		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	29.705	38.8	39.7	39.3	34.9	44.9	21.5	7th	56.5	27th	1.1	1.2	1.2	2.21	2.26	2.24	90.5	90.2	90.4
February	30.079	40.7	41.4	41.1	36.6	49.0	29.5	10th	57.0	3rd	1.5	1.6	1.6	2.26	2.30	2.28	88.1	87.5	87.8
March	29.979	40.0	39.9	40.0	34.8	51.4	26.0	13th	63.5	30th	1.7	1.8	1.8	2.16	2.14	2.15	85.9	84.8	85.4
April	29.939	44.3	42.2	43.3	36.7	56.6	31.0	8th	63.5	20th	2.5	1.7	2.1	2.41	2.38	2.40	82.0	87.1	84.6
May	29.988	52.4	48.6	50.5	43.2	62.8	32.9	1st	69.8	25th	4.0	2.2	3.1	2.97	2.93	2.95	75.2	85.2	80.2
June	30.105	63.8	58.6	61.2	51.9	75.8	46.0	30th	85.0	18, 25	5.3	2.9	4.1	4.25	4.07	4.16	72.5	82.7	77.6
July	29.860	62.1	58.4	60.3	53.7	68.8	46.0	6th	79.5	8th	3.7	1.9	2.8	4.44	4.34	4.39	78.9	88.0	83.5
August	29.845	59.2	56.3	57.8	50.9	—	42.0	21st	—	—	3.7	2.4	3.1	3.96	3.87	3.92	78.8	85.0	81.9
September	29.828	52.5	50.8	51.7	46.1	60.4	41.0	23rd	67.2	19, 24	1.9	1.4	1.7	3.46	3.38	3.42	87.1	90.3	88.7
October	30.024	46.5	45.2	45.9	41.4	51.2	32.0	26th	58.7	4th	2.2	1.8	2.0	2.71	2.65	2.68	84.6	86.8	85.7
November	29.572	40.4	40.7	40.6	36.5	45.1	29.0	15, 23	51.1	8th	1.1	1.2	1.2	2.30	2.32	2.31	90.3	90.6	90.5
December	29.685	38.4	38.6	38.5	34.2	43.0	25.0	12th	51.5	3rd	1.1	0.9	1.0	2.15	2.19	2.17	90.7	91.8	91.3
Year	29.884	48.3	46.7	47.5	41.7	—	—	—	—	—	2.5	1.8	2.2	2.94	2.90	2.92	83.7	87.5	85.6

LISSAN

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

1887.	Mean Pressure at 32° Fah.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		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	29.511	36.8	37.9	37.4	30.7	43.2	12.0	6th	53.0	20th	1.1	1.3	1.2	1.97	2.03	2.00	91	89	90
February	29.873	39.4	39.2	39.3	32.8	45.9	22.0	9th	54.0	28th	1.5	1.5	1.5	2.12	2.10	2.11	88	88	88
March	29.748	39.8	38.0	38.9	32.8	46.5	22.0	21st	60.0	31st	2.4	1.8	2.1	1.99	1.94	1.97	81	85	83
April	29.703	44.4	40.6	42.5	33.5	50.6	26.0	17th	61.0	19th	3.4	1.9	2.7	2.20	2.14	2.17	75	86	81
May	29.754	52.6	48.0	50.3	41.9	58.6	29.0	1st	68.0	31st	4.6	2.5	3.6	2.81	2.74	2.78	71	83	77
June	29.881	62.2	56.9	59.6	49.4	71.1	40.0	22nd	84.0	19th	5.8	2.9	4.4	3.81	3.78	3.80	68	82	75
July	29.649	62.0	57.3	59.7	51.9	68.2	43.0	6th	77.0	2nd	4.7	1.9	3.3	4.07	4.13	4.10	74	87	81
August	29.628	58.7	54.7	56.7	48.0	65.9	36.0	14th	75.0	6th	3.7	2.0	2.9	3.84	3.72	3.78	77	87	82
September	29.586	53.4	49.7	51.6	44.4	59.4	35.0	28th	65.0	25th	2.3	1.8	2.1	3.45	3.12	3.29	85	88	87
October	29.793	45.6	43.5	44.6	38.5	50.9	25.0	26th	61.0	1st	2.3	1.7	2.0	2.55	2.46	2.51	83	86	85
November	29.349	39.3	38.6	39.0	33.9	44.5	26.0	16th	52.0	5th	1.6	1.2	1.4	2.09	2.11	2.10	88	91	90
December	29.464	36.6	37.1	36.9	31.3	42.7	18.0	12th	51.0	4th	1.0	1.1	1.1	1.97	1.99	1.98	91	90	91
Year	29.662	47.6	45.1	46.4	39.1	54.0	—	—	—	—	2.9	1.8	2.4	2.74	2.69	2.72	81.0	86.8	83.9

MONTHLY SUMMARIES.—FALMOUTH—LONDONDERRY—LISSAN.

FALMOUTH.

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

1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January -	7°3	7°3	7°3	ins. 3'440	ins. 5°65	3rd	22	2	6	0	2	16	5	5	2	3	7	10	7	7	9	12		
February -	7°1	5°8	6°5	0°850	2°75	2nd	10	0	0	0	3	10	3	11	6	6	8	5	10	2	3	5		
March -	6°2	4°2	5°2	1°775	5°30	21st	10	2	2	0	6	9	3	13	4	10	4	0	3	8	4	16		
April -	6°0	3°2	4°6	0°950	3°25	26th	8	0	4	0	8	7	1	14	9	5	5	1	8	5	7	6		
May -	7°3	6°4	6°9	1°925	3°20	19th	17	0	2	0	1	9	3	23	7	4	1	2	2	7	12	4		
June -	4°4	2°6	3°5	0°050	0°35	6th	3	0	0	0	14	5	0	8	7	13	6	2	6	4	4	10		
July -	5°3	3°8	4°6	1°725	5°40	26th	12	0	0	0	8	5	0	18	0	1	4	10	15	4	9	1		
August -	5°0	3°2	4°1	1°645	4°80	28th	9	0	0	2	6	2	0	17	2	6	4	10	6	4	10	3		
September -	6°8	4°7	5°8	4°085	1°260	16th	16	0	2	1	4	7	2	12	6	6	1	2	13	9	6	5		
October -	6°4	5°4	5°9	5°328	2°295	29th	12	1	6	0	5	10	3	18	13	1	3	4	2	4	5	12		
November -	5°7	6°5	6°1	3°740	5°70	5th	18	0	4	0	4	8	6	13	14	5	0	2	7	12	4	3		
December -	6°4	5°1	5°8	4°225	7°30	7th	19	2	9	0	3	7	6	16	3	5	0	2	9	16	6	5		
Year	6°2	4°9	5°6	29°738	—	—	156	7	35	3	64	95	32	168	73	65	43	50	88	82	79	82		

LONDONDERRY.

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

OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

ARMAGH

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

1887.	Mean Pressure at 33° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.613	38.3	39.2	38.8	34.2	43.8	11.7	10th	53.6	26th	1.2	1.3	1.3	in.	in.	in.	%	%	%
February	.979	40.5	40.1	40.3	34.9	47.3	22.8	10th	55.4	27th	1.7	1.6	1.7	.222	.220	.221	86.1	87.5	86.8
March	.850	40.4	37.7	39.1	33.2	46.6	23.2	16th	59.5	30th	1.8	1.3	1.6	.217	.204	.211	86.0	88.2	87.1
April	.805	45.6	39.9	42.8	34.1	51.4	26.2	8th	60.9	18th	3.3	1.7	2.5	.238	.215	.227	77.2	86.4	81.8
May	.852	51.9	47.8	49.9	42.2	58.1	30.9	1st	66.1	25th	3.1	1.8	2.5	.313	.295	.304	80.4	87.7	84.1
June	.975	63.1	58.4	60.8	50.5	70.7	43.2	21st	82.5	18, 25	5.7	3.2	4.5	.403	.399	.401	70.2	80.9	75.6
July	.747	62.6	58.1	60.4	53.1	68.4	45.1	6th	78.3	1st	4.9	2.0	3.5	.416	.427	.422	73.1	87.1	80.1
August	.721	60.2	55.6	57.9	49.7	65.6	39.2	14th	74.3	8th	4.4	2.3	3.4	.391	.380	.386	75.1	85.7	80.4
September	.694	53.3	48.6	51.0	44.2	59.3	34.8	29th	66.0	3rd	2.3	1.4	1.9	.346	.312	.329	85.0	90.5	87.8
October	.893	47.2	43.6	45.4	39.9	51.1	30.0	10th	59.3	1st	3.0	1.6	2.3	.260	.252	.256	79.5	88.0	83.8
November	.442	41.0	39.5	40.3	34.6	45.3	25.8	15th	53.8	4th	1.6	1.1	1.4	.226	.223	.225	87.3	91.1	89.2
December	29.566	37.7	37.5	37.6	33.2	43.2	22.0	12th	51.3	12th	1.1	1.0	1.1	.208	.209	.209	90.3	91.0	90.7
Year	29.761	48.5	45.5	47.0	40.3	54.2	—	—	—	—	2.8	1.7	2.3	.288	.280	.284	81.6	87.7	84.7

BROOKEBOROUGH (COLEBROOKE PARK)

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

1887.	Mean Pressure at 33° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.538	36.8	37.8	37.3	32.2	42.9	14.5	7, 10	52.5	27th	—	—	—	in.	in.	in.	%	%	%
February	.904	39.8	39.1	39.5	34.1	46.6	23.5	10th	53.5	26, 28	—	—	—	—	—	—	—	—	—
March	.784	39.9	37.2	38.6	32.3	47.0	19.3	13th	59.3	30th	—	—	—	—	—	—	—	—	—
April	.741	43.8	39.1	41.5	32.5	51.1	24.5	8th	61.1	18th	1.9	0.8	1.4	.245	.223	.234	84.6	93.2	88.9
May	.788	51.6	47.0	49.3	41.1	57.6	28.5	1st	67.1	25th	3.4	1.2	2.3	.297	.293	.295	77.4	92.0	84.7
June	.908	62.9	57.8	60.4	49.8	71.4	43.5	22nd	85.0	26th	4.6	1.9	3.3	.424	.421	.423	74.5	87.2	80.9
July	.680	61.3	57.5	59.4	52.2	66.9	42.5	15, 16	77.0	1st	3.2	1.2	2.2	.438	.436	.437	81.5	92.0	86.8
August	.654	58.9	55.5	57.2	48.2	65.3	34.5	14th	73.3	5, 24	2.6	1.2	1.9	.417	.406	.412	84.5	92.0	88.3
September	.634	52.3	47.1	49.7	41.8	58.6	32.5	19th	64.5	3rd	1.8	0.9	1.4	.344	.302	.323	87.9	93.3	90.6
October	.830	45.2	43.4	44.3	38.1	50.6	26.5	9th, 26th	57.5	1st	1.6	1.2	1.4	.264	.255	.260	87.8	90.8	89.3
November	.369	37.8	38.3	38.1	32.9	44.8	20.5	16th	50.5	2nd, 4th	0.7	0.9	0.8	.212	.213	.213	93.8	92.6	93.2
December	29.499	36.8	36.9	36.9	31.8	42.4	20.5	12th	51.3	1st	0.7	0.5	0.6	.204	.209	.207	93.8	95.9	94.9
Year	29.694	47.3	44.7	46.0	38.9	53.8	—	—	—	—	—	—	—	—	—	—	—	—	—

MARKREE CASTLE (SLIGO)

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

1887.	Mean Pressure at 33° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.658	38.9	39.5	39.2	34.2	44.8	21.0	15th	53.9	26th	0.9	1.0	1.0	in.	in.	in.	%	%	%
February	.30.025	40.8	40.1	40.5	35.1	47.1	24.2	11th	54.2	26th	1.4	1.1	1.3	.231	.229	.230	89.0	90.7	89.9
March	.29.926	40.8	38.6	39.7	32.5	47.9	18.0	13th	58.9	30th	1.9	1.4	1.7	.219	.211	.215	84.5	88.0	86.3
April	.879	44.9	40.4	42.7	33.2	51.3	26.0	9th, 11th	61.4	18th	2.9	1.5	2.2	.239	.223	.231	79.6	87.7	83.7
May	.29.927	52.1	48.5	50.3	41.8	56.3	27.2	1st	68.9	28th	3.6	1.9	2.8	.302	.299	.301	76.9	87.2	82.1
June	.30.029	63.7	57.7	60.7	49.2	69.7	40.3	22nd	83.3	25th	5.7	2.9	4.3	.411	.394	.403	70.5	82.7	76.6
July	.29.812	62.0	57.4	59.7	51.9	66.5	39.3	15th	74.9	3rd	4.2	2.0	3.1	.425	.415	.420	76.4	87.4	81.9
August	.776	59.3	55.4	57.4	48.7	65.1	33.0	14th	73.0	8th	2.1	1.2	1.7	.440	.409	.425	87.0	92.4	89.7
September	.776	53.6	49.0	51.3	42.4	58.9	31.7	19th	64.0	3rd, 17th	2.6	1.4	2.0	.346	.315	.331	83.4	90.4	86.9
October	.974	46.8	44.5	45.7	39.5	51.7	26.4	9th	58.2	7th	2.2	1.6	1.9	.272	.263	.268	84.4	87.9	86.2
November	.510	39.7	39.3	39.5	34.1	45.8	23.6	15, 20	52.1	2nd	1.2	0.8	1.0	.224	.228	.226	90.4	93.5	92.0
December	29.651	38.3	38.6	38.5	33.3	43.9	20.8	28th	51.3	3rd	1.0	1.0	1.0	.214	.220	.217	91.4	91.8	91.6
Year	29.829	48.4	45.8	47.1	39.7	54.1	—	—	—	—	2.5	1.5	2.0	.296	.286	.291	83.8	89.3	86.6

MONTHLY SUMMARIES.—ARMAGH—BROOKEBOROUGH—MARKREE CASTLE.

ARMAGH.

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

Weather, No. of Days of														Wind, No. of Observations of								
1887.	Amount of Cloud.			Rainfall.			Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.																
January -	8.5	8.3	8.4	ins. 2.124	.497	10th	16	3	0	0	0	23	0	0	0	0	3	25	28	4	2	0
February -	7.1	7.0	7.1	1.380	.441	2nd	13	0	0	0	2	13	2	1	3	2	5	22	17	3	1	2
March -	8.4	7.8	8.1	1.013	.230	24th	13	2	1	0	0	18	0	7	8	5	2	10	13	11	4	2
April -	7.9	5.8	6.9	1.459	.267	23rd	13	0	3	0	1	13	0	7	13	5	2	6	15	8	3	1
May -	8.1	7.8	8.0	1.324	.596	19th	12	0	0	0	0	16	0	11	13	5	5	2	7	8	11	0
June -	5.4	5.8	5.6	0.686	.445	3rd	5	0	0	0	6	10	0	4	14	10	2	12	12	3	3	0
July -	8.9	8.0	8.5	3.214	.570	13th	20	0	0	2	0	20	0	3	1	1	1	17	20	10	9	0
August -	8.1	7.9	8.0	3.247	.960	28th	16	0	0	2	1	17	0	5	6	0	6	16	10	8	11	0
September -	8.7	6.5	7.6	2.842	1.122	1st	13	0	0	0	1	15	0	7	11	0	1	3	19	6	5	8
October -	8.0	8.7	8.4	1.594	.410	31st	12	1	0	0	0	20	0	10	6	1	0	7	16	6	12	4
November -	8.3	8.5	8.4	2.462	.600	5th	15	0	0	0	0	19	0	4	16	6	5	11	16	1	1	0
December -	8.7	8.1	8.4	2.279	.322	6th	15	3	0	0	0	22	0	7	0	2	2	7	24	6	6	8
Year	8.0	7.5	7.8	23.624	—	—	163	9	4	4	11	206	2	66	91	37	34	138	197	74	68	25

GLASNEVIN (BOTANIC GARDENS)

Long. 6° 16' W. Lat. 53° 23' N. Height above Mean Sea Level, 54 feet.

1887.	Mean Pressure at 33° Fahr.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.824	39.1	41.0	40.1	34.7	45.6	16.0	10th	56.6	29th	1.5	1.2	1.4	in. 216	in. 237	in. 227	87.6	89.8	88.7
February	30.185	41.5	41.7	41.6	34.7	48.2	22.0	10th	61.2	27th	1.6	1.7	1.7	234	232	233	87.7	86.6	87.2
March	30.030	41.4	38.5	40.0	32.7	46.9	22.0	13th	56.7	28th	1.9	1.1	1.5	224	213	219	85.2	89.5	87.4
April	29.980	46.0	41.2	43.6	35.2	50.8	26.4	15th	60.2	19th	2.8	1.6	2.2	249	228	239	79.9	87.4	83.7
May	30.025	52.7	48.6	50.7	41.1	57.8	30.0	1st	66.5	17th	3.2	1.6	2.4	318	307	313	78.9	88.7	83.8
June	30.147	63.5	57.6	60.6	50.1	70.1	42.0	10th	77.2	14, 25	4.5	2.3	3.4	443	408	426	74.9	85.7	80.3
July	29.941	64.6	60.6	62.6	53.0	71.1	46.0	18th	77.2	7th	4.7	2.7	3.7	452	447	450	74.2	83.6	78.9
August	.903	61.8	57.5	59.7	50.3	67.9	38.0	14th	80.6	8th	4.3	2.3	3.3	420	407	414	75.5	85.4	80.5
September	29.867	55.1	50.4	52.8	46.0	60.7	35.4	29th	67.5	9th	2.4	1.3	1.9	370	336	353	84.5	91.0	87.8
October	30.076	47.4	44.8	46.1	40.1	52.5	27.6	26th	62.2	27th	2.6	1.5	2.1	270	269	270	81.5	88.9	85.2
November	29.615	41.6	41.3	41.5	36.0	47.3	23.6	24th	55.2	26th	1.4	1.1	1.3	237	242	240	88.2	91.5	89.9
December	29.763	38.8	38.5	38.7	33.2	43.6	20.0	22nd	53.8	3rd	1.4	1.1	1.3	211	217	214	88.2	90.9	89.6
Year	29.946	49.5	46.8	48.2	40.6	55.2	—	—	—	—	2.7	1.6	2.2	304	295	300	82.2	88.3	85.3

DUBLIN (PHENIX PARK)

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

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PARSONSTOWN (BIRR CASTLE)

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

1887.	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.
January	ins. 29.685	39.3	39.9	39.6	34.2	45.5	24.1	15th	55.1	29th	1.2	1.1	1.2	2.22	2.29	2.26	89.6	90.3	90.0
February	30.041	40.7	40.3	40.5	34.6	48.1	23.4	10th	56.1	28th	1.6	1.5	1.6	2.25	2.23	2.24	85.9	87.4	86.7
March	29.907	39.8	38.6	39.2	31.2	48.3	18.2	13th	60.0	29th	1.9	1.2	1.6	2.11	2.14	2.13	84.4	89.3	86.9
April	30.856	45.0	41.0	43.0	33.2	52.4	26.4	14th	61.8	18th	3.4	1.6	2.5	2.30	2.25	2.28	76.8	87.1	82.0
May	29.908	52.3	49.7	51.0	41.1	59.1	31.7	2nd	67.8	25th	3.7	2.1	2.9	3.02	3.07	3.05	76.5	85.7	81.1
June	30.013	64.6	61.0	62.8	50.1	72.5	40.8	3rd, 4th	84.8	26th	6.0	4.3	5.2	4.18	4.08	4.13	68.7	76.1	72.4
July	29.815	63.5	59.6	61.6	52.8	69.8	44.8	16th	77.6	1st	4.5	2.4	3.5	4.42	4.39	4.41	75.7	85.7	80.7
August	777	60.6	57.0	58.8	49.6	67.7	34.4	14th	75.4	5th	4.7	2.7	3.7	3.91	3.91	3.91	73.8	83.4	78.6
September	761	53.9	49.9	51.9	43.9	59.9	35.2	29th	65.6	3rd	2.9	1.8	2.4	3.42	3.18	3.30	81.8	88.0	84.9
October	967	46.2	43.9	45.1	38.3	52.1	23.2	25th	58.9	7th	2.5	1.9	2.2	2.59	2.49	2.54	81.6	85.6	83.6
November	485	38.5	40.0	39.3	33.7	46.2	19.9	24th	53.1	26th	1.2	1.1	1.2	2.12	2.28	2.20	89.8	90.6	90.2
December	29.655	37.4	37.7	37.6	32.2	43.0	19.6	22nd	52.7	8th	1.1	1.0	1.1	2.06	2.12	2.09	90.4	91.4	90.9
Year	29.823	48.5	46.6	47.6	39.6	55.4	—	—	—	—	2.9	1.9	2.4	2.88	2.87	2.88	81.3	86.7	84.0

KILLARNEY

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

	ins.												in.	in.	in.	%	%	%	
January -	29.785	42.7	42.5	42.6	36.9	48.3	26.5	8th	55.0	25th	0.7	0.7	0.7	.267	.262	.265	94.9	94.5	94.7
February -	30.121	42.9	42.5	42.7	36.3	49.2	22.0	14th	56.0	26th	1.4	1.3	1.4	.254	.251	.253	89.4	90.1	89.8
March -	29.993	41.5	39.8	40.7	33.7	48.5	19.0	16th	59.8	29th	1.7	1.2	1.5	.230	.224	.227	86.4	90.1	88.3
April -	29.951	45.0	41.4	43.2	34.2	52.2	23.8	8th	60.2	12th	3.0	1.8	2.4	.236	.226	.231	79.0	85.9	82.5
May -	30.011	52.0	50.1	51.1	43.5	58.4	30.2	1st	68.0	25th	2.8	1.9	2.4	.316	.316	.316	81.2	87.1	84.2
June -	30.086	63.9	58.3	61.1	49.4	72.2	40.3	22nd	84.0	26th	5.3	2.8	4.1	.428	.406	.417	72.4	83.0	77.7
July -	29.907	62.8	59.5	61.2	54.0	68.7	43.2	16th	74.8	6th	3.2	2.0	2.6	.465	.448	.457	81.6	88.3	85.0
August -	.872	60.8	57.6	59.2	51.0	66.9	36.0	14th	75.7	8th	4.1	2.3	3.2	.408	.409	.409	76.7	86.0	81.4
September	29.868	54.5	50.6	52.6	44.6	60.9	34.5	29th	66.3	21st	2.6	1.5	2.1	.357	.332	.345	83.9	89.5	86.7
October -	30.070	47.3	44.7	46.0	39.9	53.6	22.3	25th	60.0	1st	2.1	1.5	1.8	.281	.268	.275	85.1	89.3	87.2
November	29.593	41.2	41.8	41.5	34.8	48.2	22.0	24th	53.2	26th	1.1	1.2	1.2	.240	.244	.242	92.2	91.2	91.7
December	29.785	39.8	40.5	40.2	34.4	46.1	18.0	28th	57.5	8th	1.0	1.0	1.0	.232	.238	.235	92.3	92.4	92.4
Year -	29.920	49.5	47.4	48.5	41.1	56.1	—	—	—	—	2.4	1.6	2.0	.310	.302	.306	84.6	89.0	86.8

VALENCIA

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

	ins.											in.	in.	in.	%	%	%
January -	29.865	45.0	45.2	45.1	41.4	48.6	35.1	15th	53.6	18th	2.1	2.4	2.3	2.57	2.53	2.55	84.7
February -	30.195	44.5	45.1	44.8	41.0	48.8	30.0	11th	52.9	26th	1.9	2.3	2.1	2.55	2.54	2.55	85.3
March -	30.080	42.7	43.2	43.0	38.3	48.8	30.4	14th	57.1	29th	2.7	2.4	2.6	2.22	2.31	2.27	79.4
April -	30.040	45.9	44.7	45.3	39.8	52.2	34.0	15th	59.6	13th	5.7	2.7	3.2	2.31	2.40	2.36	74.5
May -	30.100	52.4	51.2	51.8	46.4	57.4	37.7	20th	67.7	25th	3.1	2.4	2.8	3.16	3.17	3.17	79.8
June -	30.164	62.2	60.6	61.4	54.0	69.4	47.8	22nd	80.6	19th	4.2	3.5	3.9	4.27	4.22	4.25	77.0
July -	30.005	62.5	60.3	61.4	56.5	66.7	50.8	31st	71.4	6th	3.4	2.8	3.1	4.55	4.35	4.45	80.5
August -	29.960	60.3	58.6	59.5	55.4	65.6	46.7	14th	70.7	4th	3.2	2.6	2.9	4.26	4.15	4.21	81.1
September -	29.966	55.7	53.8	54.8	50.7	61.0	44.4	20th	65.5	20, 24	3.2	2.3	2.8	3.57	3.51	3.54	80.1
October -	30.155	49.1	48.9	49.0	44.9	53.7	32.9	25th	59.5	1st	2.6	2.3	2.5	2.89	2.93	2.91	82.2
November -	29.686	44.1	44.6	44.4	39.8	48.7	30.6	24th	53.2	5th	1.9	1.9	1.9	2.50	2.54	2.52	86.3
December -	29.878	42.2	43.4	42.8	38.5	46.6	30.3	29th	53.6	8th	1.9	2.0	2.0	2.33	2.44	2.39	84.8
Year -	30.008	50.6	50.0	50.3	45.6	55.6	—	—	—	—	2.8	2.5	2.7	3.10	3.09	3.10	81.3

PARSONSTOWN (BIRR CASTLE).

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

Heights above Ground:—Barometer, 29.92.																						
1887.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	7.5	8.0	7.8	ins. 2.808	ins. .531	31st	20	7	0	0	1	19	0	2	0	1	7	16	11	4	2	19
February -	6.1	6.4	6.2	1.254	.276	2nd	14	0	0	0	4	12	0	0	0	1	9	15	6	3	2	20
March -	6.6	6.2	6.4	1.311	.298	11th	12	8	2	0	3	12	0	1	3	0	4	6	8	5	5	30
April -	6.2	4.9	5.6	1.892	.546	21st	13	7	3	2	2	6	0	5	8	1	3	5	10	4	6	18
May -	8.3	6.9	7.6	1.376	.770	19th	10	2	3	0	1	18	0	5	6	2	2	4	8	9	7	19
June -	5.9	4.9	5.4	0.341	.103	1st	4	0	0	0	6	7	0	1	7	2	4	7	7	0	0	32
July -	7.9	7.4	7.7	2.915	.587	9th	15	0	0	0	0	18	0	2	0	0	3	8	19	2	5	23
August -	7.5	7.5	7.5	2.489	.580	26th	15	0	1	1	0	15	0	2	1	0	7	12	11	3	7	19
September -	8.0	6.5	7.3	1.672	.578	1st	15	0	1	0	2	13	1	3	2	0	2	1	13	8	8	23
October -	6.6	8.1	7.4	2.637	1.190	26th	11	0	2	1	4	18	0	7	2	0	1	6	6	1	11	28
November -	7.0	8.0	7.5	2.177	.475	5th	20	0	1	0	3	16	0	2	4	1	7	7	11	2	3	23
December -	7.3	7.6	7.5	2.602	.419	5th	22	6	3	0	2	15	1	2	0	0	3	5	9	11	8	24
Year -	7.1	6.9	7.0	23.474	—	—	171	30	16	4	28	169	2	32	33	8	52	92	119	52	64	278

PART III.—ANNUAL SUMMARY of OBSERVATIONS taken at 9 a.m.
1887 - - - - -

Stations.				Mean Pressure at 32° Fahrenheit.		Air Temperature.										Humidity.								
Name.	Height above Sea Level.	Long.	Lat.	Mean Pressure at 32° Fahrenheit.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.						Depression of Wet Bulb.			Tension of Vapour.			Percentage.		
								Min.	Max.	Min.	Date.	Max.	Date.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
Swanbister	68	3 8' W.	58 56' N.	ins.	46.1	44.3	45.2	40.2	49.3	22.5	Dec. 8th	68.0	June 30th	2.2	1.8	2.0	in.	269	260	265	83.0	86.5	84.5	
Lairg	458	4 22' W.	58 1' N.	29.393	44.2	42.6	43.7	37.3	51.9	10.0	Mar. 16th	81.0	June 23rd	2.3	1.4	1.9	254	249	252	84.0	89.0	86.5		
Dunrobin Castle	12	3 56' W.	57 59' N.	29.899	47.0	45.2	46.1	40.3	52.0	20.5	Mar. 10th	76.4	July 1st	3.1	2.6	2.9	262	255	259	79.1	81.7	80.8		
Gordon Castle	101	3 5' W.	57 37' N.	29.795	47.3	45.2	46.3	40.0	53.4	20.0	Dec. 11th	82.3	June 17th	3.5	2.6	3.1	256	251	254	76.7	80.8	78.8		
Glencarron	489	5 14' W.	57 30' N.	29.365	45.0	44.0	44.5	38.9	50.8	18.0	Mar. 13th	81.0	June 17th	2.6	2.2	2.4	249	246	248	81.6	83.3	82.5		
Aberdeen	46	2 6' W.	57 10' N.	29.839	46.3	45.1	45.7	40.5	51.2	21.3	Mar. 16th	76.3	July 1st	3.3	2.6	3.0	250	250	250	77.6	81.2	79.4		
Fort Augustus	68	4 40' W.	57 8' N.	29.844	45.4	45.4	45.4	39.1	52.4	11.7	Mar. 13th	83.3	June 18th	2.4	2.2	2.3	259	261	260	83.3	84.1	83.7		
Braemar	1,111	3 24' W.	57 0' N.	28.683	43.2	42.4	42.8	36.5	50.6	8.9	Dec. 22nd	81.2	June 22nd	2.9	2.3	2.6	232	234	233	70.4	82.4	80.9		
Fort William	33	5 7' W.	56 49' N.	29.895	45.9	45.6	45.8	40.3	53.7	16.7	Mar. 13th	85.9	June 24th	2.0	2.0	2.1	268	267	268	84.4	85.3	84.9		
Lednathie	710	3 7' W.	56 43' N.	29.131	44.3	42.3	43.3	35.8	51.9	9.2	Dec. 22nd	81.8	June 18th	3.3	2.2	2.8	232	232	232	76.8	83.2	80.9		
Laudale	14	5 41' W.	56 41' N.	29.906	47.2	46.6	46.9	41.3	52.9	17.0	Mar. 13th	79.9	June 17th	2.5	2.1	2.3	279	279	279	82.9	84.8	83.9		
Dundee	160	2 56' W.	56 28' N.	29.752	46.8	45.3	45.7	39.6	53.5	22.1	Feb. 6th	88.9	June 18th	2.9	1.8	2.4	270	266	268	80.4	86.4	83.4		
Ochertyre	329	3 53' W.	56 23' N.	29.580	46.4	45.2	45.8	38.3	55.4	20.0	{ Jan. 6th Dec. }	88.9 87.7	June 18th June 19th	3.2 3.2	2.8 2.8	3.0 3.0	255 248	252 253	252 253	78.3 78.3	80.1 80.1	79.2 79.2		
Calton Mor-	132	5 30' W.	56 8' N.	29.803	47.7	44.8	46.3	38.3	53.3	14.4	Mar. 12th	85.3	June 25th	3.1	1.9	2.5	269	261	265	79.8	85.9	82.9		
Galloway	180	4 18' W.	55 53' N.	29.752	46.4	45.5	46.0	39.8	52.8	20.1	Mar. 13th	82.7	June 25th	2.8	2.2	2.5	265	266	266	81.1	83.9	82.5		
Rosewell	690	3 7' W.	55 21' N.	29.199	44.4	43.3	43.9	38.0	52.0	18.0	Jan. 10th	81.0	June 18th	2.4	2.0	2.2	250	247	249	83.2	85.0	84.1		
Rothsay	115	5 4' W.	55 50' N.	29.840	47.7	45.2	46.5	40.8	54.3	22.4	{ Jan. 7th Mar. 13th }	84.7 84.7	June 24th	2.8	2.0	2.4	281	268	275	81.3	84.8	83.1		
Marchmont	498	2 25' W.	55 44' N.	29.417	45.6	43.2	44.4	38.5	51.9	19.0	Jan. 13th	84.0	June 18th	2.8	1.4	2.1	255	258	257	81.2	89.0	85.1		
Wolfelee	587	2 39' W.	55 23' N.	29.303	44.7	42.4	43.6	34.9	53.1	7.0	Mar. 13th	84.0	June 18th	2.6	1.6	2.1	265	249	252	81.9	87.1	84.5		
Pinnore	187	4 4' W.	55 12' N.	29.763	47.0	44.0	45.5	38.2	54.5	7.5	Jan. 10th	87.0	June 24th	2.8	1.6	2.2	276	265	271	81.6	87.4	84.5		
Glenlee	203	4 12' W.	55 5' N.	29.738	46.7	44.2	45.5	37.9	53.3	10.0	Jan. 10th	83.0	June 25th	3.2	1.9	2.6	269	268	268	79.2	86.1	82.7		
Cramlington	255	1 35' W.	55 5' N.	29.668	45.9	43.8	44.9	38.0	52.5	18.0	Dec. 13th	80.0	June 18th	2.6	1.9	2.3	251	261	257	81.7	85.7	83.7		
Cargen	72	3 37' W.	55 2' N.	29.879	47.0	46.1	46.6	38.7	53.7	19.0	{ Feb. 9th Dec. 22nd }	83.2 83.2	June 25th	2.5	1.9	2.2	276	278	277	82.8	86.3	84.6		
Durham	336	1 35' W.	54 46' N.	29.583	46.2	44.2	45.2	38.7	53.4	13.8	Jan. 13th	85.2	June 18th	2.7	1.9	2.3	268	260	264	81.9	86.0	84.0		
Newton Reigny	579	2 48' W.	54 41' N.	29.341	45.2	43.7	44.5	37.5	52.3	11.3	Mar. 13th	80.5	July 8th	2.3	1.8	2.1	264	257	261	83.8	85.9	84.9		
Aysgarth	658	1 58' W.	54 18' N.	29.270	45.6	43.3	44.5	38.0	51.9	16.2	Feb. 10th	83.7	June 18th	2.9	2.1	2.5	257	247	252	79.9	83.5	81.7		
Scarborough	129	0 23' W.	54 17' N.	29.805	47.2	45.7	46.5	41.1	52.3	22.5	Mar. 17th	83.8	July 1st	2.8	2.2	2.5	274	269	272	81.0	85.0	83.5		
Crabbourne	131	4 39' W.	54 10' N.	29.833	49.2	46.3	47.8	41.6	55.3	24.1	Dec. 22nd	80.9	June 25th	2.4	1.4	1.9	308	293	301	84.9	89.0	86.9		
York (Museum)	51	1 5' W.	53 57' N.	29.941	46.7	45.4	46.1	39.4	54.3	17.2	Jan. 17th	83.0	{ July 3rd July 8th }	2.8 2.8	2.1 2.1	2.5 2.5	268 268	268	268	81.1	85.4	83.3		
Stonyhurst	375	2 28' W.	53 51' N.	29.609	46.5	44.9	45.7	39.8	52.0	17.4	Mar. 13th	79.2	July 8th	3.1	2.4	2.8	262	258	260	78.8	82.0	80.4		
Wakefield	96	1 30' W.	53 41' N.	29.892	46.8	45.6	46.2	39.7	54.2	17.1	Jan. 17th	83.6	July 3rd	2.3	1.7	2.0	284	282	283	84.8	88.0	86.4		
Prestwich	294	2 17' W.	53 32' N.	29.650	46.5	45.0	45.8	40.1	52.9	21.2	Jan. 17th	82.2	July 8th	2.8	2.0	2.4	269	269	269	81.5	85.7	83.6		
Llandudno	88	3 50' W.	53 21' N.	29.896	49.4	48.3	48.9	43.3	53.7	24.5	Feb. 10th	84.0	July 8th	3.8	3.2	3.5	275	275	275	75.6	78.6	77.1		
Buxton	987	1 54' W.	53 14' N.	28.925	45.3	42.2	43.6	36.5	51.6	4.4	Jan. 17th	81.5	{ July 3rd July 8th }	2.5 2.5	1.5 1.5	1.9 1.9	263 253	257	257	83.7	89.0	86.7		
Cheadle	646	1 57' W.	52 58' N.	29.317	44.7	44.0	44.4	38.7	52.4	15.5	Jan. 17th	81.0	July 8th	2.4	1.9	2.2	260	257	255	82.8	86.2	84.5		
Hillington (Norfolk)	88	0 33' E.	52 48' N.	29.906	47.5	44.4	45.9	38.7	54.6	14.5	Dec. 27th	87.4	July 8th	2.9	1.6	2.3	279	269	274	81.5	88.4	85.5		
Leicester	237	1 8' W.	52 30' N.	29.740	47.7	46.7	47.2	38.9	55.5	14.9	Jan. 17th	87.5	July 3rd	3.1	2.5	2.8	279	278	279	80.4	83.0	81.7		
Uppingham	484	0 44' W.	52 35' N.	29.473	46.2	44.1	45.2	39.1	54.3	16.4	Jan. 17th	87.1	July 3rd	3.1	1.7	2.0	279	267	273	84.0	87.2	85.6		
Churchstoke	538	3 5' W.	52 31' N.	29.433	46.6	43.8	45.2	37.6	53.8	13.7	Mar. 13th	83.2	July 3rd	3.1	1.9	2.5	264	255	260	79.5	85.5	82.5		
Geldston (Beccles)	37	1 31' E.	52 28' N.	29.958	48.1	45.3	46.7	39.7	54.2	17.0	Feb. 17th	85.5	{ July 3rd July 13th }	3.0 3.0	1.6 1.6	2.3 2.3	283 283	281	282	80.9	88.5	84.7		
Bennington	407	0 5' W.	51 54' N.	29.592	46.8	44.9	45.9	39.3	54.0	17.2	Jan. 17th	85.1	Aug. 6th	2.8	1.8	2.3	275	273	274	82.2	86.9	84.6		
Cheltenham	184	2 3' W.	51 51' N.	29.812	47.1	—	—	—	—	—	Mar. 16th	85.6	Aug. 6th	—	—	—	276	—	—	80.6	—	—		
St. David's	215	5 16' W.	51 53' N.	29.793	49.4	47.2	48.3	43.1	53.3	22.8	Feb. 10th	76.2	June 17th	2.4	1.5	2.0	307	301	304	84.1	88.8	86.5		
Carmarthen	188	4 18' W.	51 52' N.	29.810	50.4	46.6	48.3	40.4	56.1	19.5	{ Jan. 1st Mar. 14th }	83.9 83.9	June 23rd	3.0	2.3	2.7	257	258	258	80.0	83.8	81.9		
Berkhamsted	400	0 31' W.	51 46' N.	29.596	46.2	44.8	45.5	38.6	54.4	11.2	Jan. 1st	85.0	Aug. 6th	3.0	2.3	2.7	257	258	258	80.0	83.8	81.9		
Kew	18	0 19' W.	51 28' N.	30.000	47.2	47.2	47.2	40.9	54.6	14.9	Jan. 2nd	85.3	July 3rd	3.3	3.0	3.2	262	268	265	78.8	80.4	79.6		
Margate	83	1 24' E.	51 24' N.	29.929	48.2	46.6	47.4	42.4	53.4	22.0	Nov. 17th	82.1	{ July 4th July 13th }	2.9 2.9	2.1 2.1	2.5 2.5	283 283	284	284	81.0	85.5	83.3		
Southampton	129	0 33' E.	50 51' N.	—	48.9	—	—	42.5	53.8	21.9	Jan. 17th	81.8	Aug. 9th	2.7	—	—	299	—	—	82.5	—	—		
St. Leonards	39	0 17' E.	50 46' N.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Eastbourne	90	1 48' W.	50 44' N.	29.934	49.3	46.8	48.1	41.1	55.2	20.2	Jan. 1st	83.6	Aug. 8th	3.3	2.0	2.7	288	287	288	79.2	85.7	82.5		
Southbourne	523	3 0' W.	50 42' N.	29.403	48.0	45.0	46.5	40.3	54.5	19.9	Jan. 1st	82.9	Aug. 9th	2.4	1.4	1.9	290	277	284	83.8	89.9	86.9		
Dartmoor	1,359	3 59' W.	50 33' N.	—	43.9	41.8	42.9	37.3	50.5	16.0	Mar. 17th	80.7	July 3rd	2.2	2.1	2.2	257	235	246	83.4	82.2	82.8		
Babbacombe	203	3 31' W.	50 29' N.	29.712	50.2	47.4	48.8	43.0	55.6	21.6	Feb. 17th	84.1	July 4th	3.3	2.2	2.8	298	288	293	79.1	84.4	81.8		
Falmouth	167	5 4' W.	50 9' N.	29.859	50.3	48.2	49.3	44.4	54.7	25.4	Mar. 14th	75.7	July 8th	3.4	2.3	2.9	293	292	293	78.1	84.3	81.2		
Londonderry	67	7 19' W.	55 0' N.	29.884	48.3	46.7	47.5	41.7	—	21.5	Jan. 7th	85.0	{ June 18th June 25th }	2.5	1.8	2.2	294	292	292	81.7	87.5	85.6		
Lissau (Co. Tyrone)	305	6 45' W.	54 41' N.	29.662	47.6	45.1	46.4	39.1	54.0	12.0	Jan. 6th	84.0	June 10th	2.9	1.8	2.4	274	269	272	81.0	86.8	83.9		
Armagh	196	6 39' W.	54 21' N.	29.761	48.5	45.5	47.0	40.3	54.2	11.7	Jan. 10th	82.5	{ June 18th 											

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

1887.

Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of										Stations.
9 a.m.	9 p.m.	Mean.	Total.	Max.	Date.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.			
—	—	—	ins.	ins.	Oct. 6th	269	—	—	—	—	—	35	100	43	27	58	82	100	143	139	38	Swanbister.		
—	—	—	35° 640	1° 660	—	217	64	0	3	—	—	12	7	4	160	14	0	7	247	42	249	Lairg.		
—	—	—	24° 280	1° 180	Dec. 19th	144	22	0	1	—	—	—	81	69	67	65	45	78	144	181	0	Dunrobin Castle.		
—	—	—	24° 840	—	—	160	34	20	8	—	—	31	65	52	8	61	50	304	76	114	0	Gordon Castle.		
8° 0	7° 7	7° 9	80° 270	2° 610	Jan. 22nd	265	11	2	0	—	—	5	66	35	171	11	19	9	390	12	17	Glencarron.		
6° 2	6° 1	6° 2	26° 393	° 930	Sept. 1st	210	38	22	10	19	73	18	53	23	25	41	133	100	104	143	108	Aberdeen.		
—	—	—	37° 450	1° 330	Jan. 18th	226	13	3	3	—	—	35	51	109	18	3	48	371	43	14	73	Fort Augustus.		
6° 3	6° 1	6° 2	25° 100	1° 800	Nov. 1st	194	45	1	4	14	68	16	51	118	24	19	31	364	43	80	0	Braemar.		
7° 3	6° 7	7° 0	71° 240	2° 860	Feb. 24th	231	15	0	1	10	130	22	24	128	76	35	29	322	88	8	20	Fort William.		
—	—	—	30° 230	2° 240	June 18th	138	48	11	9	—	—	37	80	58	35	68	26	94	143	153	73	Lednathie.		
7° 5	6° 9	7° 2	67° 430	1° 610	Dec. 15th	235	88	26	7	21	107	40	41	28	58	47	68	70	111	86	221	Laudale.		
7° 5	8° 2	7° 9	20° 230	1° 620	Nov. 6th	138	25	9	9	9	190	36	25	114	25	81	22	170	182	111	0	Dundee.		
6° 3	5° 7	6° 0	30° 180	° 980	Aug. 7th	162	12	0	7	43	98	17	50	64	112	7	7	112	204	86	88	Ochertyre.		
4° 5	4° 2	4° 4	36° 240	1° 380	Jan. 10th	183	24	13	7	69	25	47	132	100	14	77	27	140	80	151	9	Callton Mor.		
7° 9	7° 1	7° 5	30° 810	2° 218	Aug. 31st	163	13	4	6	3	170	1	75	103	40	43	140	215	72	33	0	Glasgow.		
8° 2	8° 7	8° 5	29° 580	1° 280	May 19th	167	13	0	5	14	258	7	27	83	41	33	23	289	76	156	2	Rosewell.		
6° 5	5° 9	6° 2	35° 304	1° 395	Aug. 6th	201	12	2	1	53	132	0	20	93	36	55	54	120	111	135	97	Rothsay.		
7° 7	8° 0	7° 9	28° 290	1° 230	May 19th	197	37	6	21	8	193	77	125	66	56	8	22	315	113	3	0	Marchmont.		
—	—	—	29° 918	° 970	Sept. 5th	145	31	1	9	—	—	—	41	106	43	36	37	218	142	107	0	Wolfelee.		
7° 3	6° 5	6° 9	41° 550	1° 490	Jan. 10th	180	18	12	3	33	150	6	26	9	17	14	63	52	71	71	407	Pinnmore.		
—	—	—	46° 080	1° 150	July 26th	186	19	5	15	—	—	33	29	42	33	45	84	157	197	121	22	Glennie.		
6° 9	5° 6	6° 3	24° 280	1° 750	Sept. 6th	166	23	10	10	22	103	9	73	93	46	28	31	108	194	157	0	Cramlington.		
5° 2	5° 2	5° 2	32° 060	1° 160	Dec. 6th	143	9	3	8	18	30	10	89	90	124	26	59	123	106	104	0	Cargen.		
7° 9	7° 2	7° 6	21° 505	° 968	Sept. 6th	180	54	13	13	10	184	4	68	64	17	11	84	115	90	103	178	Durham.		
7° 3	6° 0	6° 7	27° 605	° 840	Nov. 26th	176	35	3	8	31	148	7	24	45	18	88	84	114	104	108	145	Newtown Reigny.		
6° 5	5° 6	6° 1	28° 980	° 870	July 31st	163	58	7	5	32	96	25	55	93	48	12	24	146	152	71	129	Aysgarth.		
6° 2	5° 4	5° 8	21° 430	° 850	Sept. 6th	187	33	12	7	35	95	23	59	91	48	49	56	202	100	111	5	Scarborough.		
6° 5	6° 3	6° 4	27° 630	° 985	Dec. 12th	158	18	18	6	18	112	49	109	74	56	51	46	96	126	136	36	Cronkbourne.		
6° 2	5° 7	6° 0	17° 420	° 720	Sept. 6th	175	17	2	9	41	107	7	152	34	66	30	124	58	185	72	9	York (Museum).		
7° 3	6° 8	7° 1	30° 622	1° 065	May 19th	150	26	15	10	34	178	3	39	118	40	12	36	108	142	50	185	Stonyhurst.		
6° 7	6° 0	6° 4	17° 310	° 770	Oct. 9th	150	18	1	6	43	140	3	93	76	40	24	53	57	174	77	136	Wakefield.		
7° 1	4° 9	6° 0	23° 490	° 940	Sept. 6th	171	34	13	12	66	142	14	99	13	115	32	94	14	105	42	215	Prestwich.		
6° 5	5° 7	6° 1	21° 614	° 841	Oct. 9th	153	5	7	10	45	120	21	77	79	68	20	50	89	241	97	0	Llandudno.		
7° 1	6° 3	6° 7	32° 382	1° 520	May 19th	130	45	4	2	14	122	—	—	—	—	—	—	—	—	—	—	Buxton.		
6° 2	5° 5	5° 9	22° 200	1° 130	Aug. 30th	157	31	9	16	56	112	16	93	64	103	35	68	84	79	143	61	Cheadle.		
6° 7	6° 0	6° 4	20° 370	° 950	Jan. 5th	176	40	14	15	36	135	9	40	176	47	56	50	182	72	107	0	Hillington (Norfolk).		
7° 2	5° 5	6° 4	19° 510	° 990	Jan. 7th	162	11	5	7	33	124	2	65	179	33	19	31	243	73	82	25	Leicester.		
7° 4	6° 0	6° 7	15° 681	1° 009	Oct. 29th	161	40	4	8	26	153	24	88	114	34	20	70	127	119	96	62	Uppingham.		
7° 6	6° 2	6° 9	24° 073	1° 170	June 2nd	155	27	7	3	22	139	2	37	61	51	90	24	107	150	176	34	Churchstoke.		
7° 0	5° 6	6° 3	18° 130	° 610	Oct. 29th	179	24	24	10	43	140	4	96	92	71	21	55	132	138	77	48	Geldeston (Beccles).		
7° 4	6° 0	6° 7	18° 860	° 740	Oct. 29th	162	46	20	16	47	171	5	101	83	60	37	60	127	135	36	91	Bennington.		
6° 4	5° 6	6° 0	22° 780	1° 220	June 2nd	153	21	7	7	42	112	14	68	42	32	25	73	123	107	54	206	Cheltenham.		
6° 6	5° 5	6° 1	25° 562	° 750	July 12th	189	13	21	7	32	106	6	78	127	47	57	59	112	70	90	90	St. David's.		
5° 9	5° 4	5° 7	33° 820	1° 580	July 26th	154	9	13	4	61	101	3	81	54	113	24	40	109	80	42	178	Carmarthen.		
6° 7	5° 8	6° 0	20° 992	° 905	Jan. 3rd	159	39	19	6	50	150	1	94	85	46	45	66	81	127	112	74	Berkhamsted.		
6° 8	5° 4	6° 1	19° 1415	1° 135	Aug. 17th	171	15	6	6	47	142	5	106	91	44	9	58	116	84	47	175	Kew.		
6° 7	5° 0	5° 9	21° 930	° 800	Nov. 2nd	164	26	9	3	62	132	1	83	87	118	32	57	133	118	35	67	Margate.		
6° 7	5° 4	6° 1	23° 264	1° 270	Aug. 30th	133	17	8	5	70	148	8	63	185	31	63	25	169	45	125	24	Southampton.		
6° 3	5° 0	5° 7	23° 956	° 834	Nov. 28th	175	24	4	3	71	111	28	126	153	50	46	53	119	82	66	35	St. Leonards.		
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Eastbourne.		
4° 9	4° 2	4° 6	20° 900	1° 230	Sept. 17th	125	—	—	—	102	80	22	129	139	10	27	38	130	107	136	14	Southbourne.		
6° 4	5° 9	6° 2	25° 330	1° 370	Oct. 29th	147	26	8	6	64	136	27	110	139	38	43	45	124	79	122	30	Rousdon.		
6° 5	5° 8	6° 2	54° 020	3° 670	Oct. 31st	161	31	18	5	40	141	—	81	159	95	57	20	135	54	129	0	Dartmoor.		
6° 3	5° 3	5° 8	24° 360	1° 250	Oct. 29th	155	20	21	4	62	117	35	81	158	80	24	44	133	111	87	12	Babbacombe.		
6° 2	4° 9	5° 6	29° 738	2° 295	Oct. 29th	156	7	35	3	64	95	32	168	73	65	43	50	88	82	79	82	Falmouth.		
7° 7	6° 6	7° 2	35° 440	1° 060	May 19th	211	23	17	7	21	172	0	64	91	27	41	86	169	78	133	41	Londonderry.		
—	—	—	31° 880	1° 350	Sept. 1st	218	21	8	4	—	—	0	88	76	58	46	20	170	103	169	0	Lissan (Co. Tyrone).		
8° 0	7° 5	7° 8	23° 624	1° 122	Sept. 1st	163	9	4	4	11	206	2	66	91	37	34	138	197	74	68	25	Armagh.		
8° 7	6° 8	7° 8	31° 455	1° 136	Sept. 1st	132	9	2	0	23	214	0	66	27	18	20	69	157	89	40	244	Brookeborough.		
8° 4	8° 2	8° 3	37° 040	1° 800	Sept. 1st	221	12	13	3	4	240	5	89	34	23	105	117	93	35	75	159	Markree Castle.		
6° 2	5° 4	5° 8	14° 044	° 720	Nov. 5th	124	36	15	7	33	64	1	20	64	23	45	24	165	72	141	176	Glasnevin.		
6° 1	5° 5	5° 8	16° 310	° 830	Nov. 5th	203	26	17	9	36	93	1	28	63	30	22	56	123	127	64	217	Dublin (Phoenix Park).		
5° 9	5° 3	5° 6	16° 601	° 870	Nov. 5th	160	20	34	9	42	86	19	70	76	62	35	54	112	178	99	44	Dublin (City).		
7° 1	6° 9	7° 0	23° 474	1° 100	Oct. 26th	171	30	16	4	28	169	2	32	33	8	52	93	119	52	64	278	Parsonstown.		
—	—	—	45° 431	° 600	Jan. 31st	182	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.	
7° 2	6° 5	6° 9	43° 687	2° 485	Oct. 26th	192	5	26	5	26	152	73	105	62	32	77	80	84	84	82	126	Valencia.		

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

1887.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		1887.
	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	
Swanbister.	39	49	54	24	115	32	130	30	164	32	168	31	151	28	103	22	83	22	55	48	17	8	20	11	Swanbister.
Braemar.	9	4	49	49	93	26	92	22	167	33	222	42	171	33	148	32	98	26	74	24	33	14	17	8	Braemar.
Glasgow.	17	7	50	49	78	24	140	33	170	34	199	38	146	28	150	33	87	23	71	22	4	2	8	4	Glasgow.
Durham.	41	47	88	33	138	38	145	35	98	20	179	35	216	42	175	38	95	25	95	30	40	16	49	23	Durham.
Newton Reigny.	40	47	83	31	118	33	181	43	147	30	265	52	218	43	175	38	112	30	86	27	30	12	22	10	Newton Reigny.
Douglas.	44	48	91	34	129	35	243	58	186	38	279	55	247	49	205	45	156	42	113	33	76	30	49	22	Douglas.
York.	31	43	96	36	110	30	182	44	111	23	295	41	209	41	194	43	83	22	92	29	30	12	33	15	York.
Stonyhurst.	38	46	89	33	123	34	180	48	172	35	272	54	247	49	192	42	114	30	104	32	43	17	40	48	Stonyhurst.
Llandudno.	27	41	103	38	104	29	167	40	137	28	250	50	205	41	199	44	88	24	34	11	44	17	23	10	Llandudno.
Buxton.	48	20	87	32	90	25	127	31	69	14	238	46	238	48	163	36	92	25	76	24	31	12	8	4	Buxton.
Hillington.	47	49	116	43	120	35	182	44	142	29	255	51	281	56	234	52	85	23	87	27	69	27	51	22	Hillington.
Leicester.	33	43	86	32	72	20	119	29	95	20	200	44	188	38	199	44	83	22	81	25	53	21	25	41	Leicester.
Churchstoke.	71	29	111	41	99	27	200	48	135	28	300	60	245	49	219	49	119	32	96	30	62	24	41	18	Churchstoke.
Geldeston.	49	20	126	46	135	37	193	47	142	29	263	53	288	58	232	52	94	25	95	29	62	24	52	22	Geldeston.
St. David's, Pembroke.*	44	48	105	38	164	45	246	60	149	31	289	59	257	52	267	60	150	40	89	27	84	33	50	21	St. David's, Pembroke.*
Berkhamsted.	32	43	87	32	129	35	175	42	136	28	238	48	256	52	218	49	105	28	97	30	54	21	42	18	Berkhamsted.
Southampton.	39	45	97	35	131	36	201	49	167	35	280	57	294	60	255	57	147	39	122	37	60	23	55	23	Southampton.
St. Leonards.	69	27	113	41	151	41	214	52	169	35	264	54	299	61	239	54	135	36	126	39	62	24	44	18	St. Leonards.
Eastbourne.	65	25	97	35	143	39	219	53	167	35	253	52	304	62	234	53	147	39	111	34	59	23	40	17	Eastbourne.
Southbourne.	51	20	102	37	105	29	168	41	169	35	280	57	291	59	270	61	133	36	126	39	65	25	62	26	Southbourne.
Rousdon.	56	22	111	40	148	41	210	51	199	42	282	58	248	51	253	57	149	40	119	37	80	31	78	33	Rousdon.
Armagh.	32	43	91	34	106	29	166	40	173	35	254	50	149	30	147	32	95	25	59	18	50	20	33	15	Armagh.
Markree Castle.	41	47	88	33	120	33	172	41	161	33	253	50	136	27	146	32	97	26	72	22	53	21	28	13	Markree Castle.
Dublin (Phoenix Park).	59	24	101	37	126	35	221	53	199	41	288	58	191	38	198	44	136	36	92	29	72	28	54	24	Dublin (Phoenix Park).
Parsonstown.	48	20	100	37	128	35	224	54	169	35	263	53	164	33	171	38	115	31	96	30	67	26	43	19	Parsonstown.
Valencia.	51	20	90	33	166	46	258	63	192	40	295	60	194	39	166	37	165	44	92	28	72	28	43	18	Valencia.
Aberdeen.	51	23	70	27	150	41	147	35	195	39	217	41	205	39	153	33	104	27	105	33	38	16	47	23	Aberdeen.
Falmouth.	53	20	90	32	152	42	225	55	198	42	329	68	281	58	296	67	151	40	134	41	95	36	72	30	Falmouth.
Kew.	37	44	68	25	98	27	171	42	138	29	245	50	281	57	241	54	119	32	108	33	44	17	43	18	Kew.

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

SELF-RECORDING OBSERVATORIES.

Valencia.	51	20	90	33	166	46	258	63	192	40	295	60	194	39	166	37	165	44	92	28	72	28	43	18	Valencia.
Aberdeen.	51	23	70	27	150	41	147	35	195	39	217	41	205	39	153	33	104	27	105	33	38	16	47	23	Aberdeen.
Falmouth.	53	20	90	32	152	42	225	55	198	42	329	68	281	58	296	67	151	40	134	41	95	36	72	30	Falmouth.
Kew.	37	44	68	25	98	27	171	42	138	29	245	50	281	57	241	54	119	32	108	33	44	17	43	18	Kew.

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