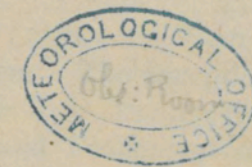


Official, No. 39.

METEOROLOGICAL OBSERVATIONS

AT



STATIONS OF THE SECOND ORDER

For the Year 1878.

Published by Direction of the Meteorological Council.



LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
AND SOLD BY
J. D. POTTER, 31, POULTRY; AND EDWARD STANFORD, 55, CHARING CROSS.

1880.

Price Twenty Shillings.

Page 53, Glenalmond, 27th, "Remarks," add "▲p."

Page 15 Bir Castle: 29th. Remarks want "x" before "a"

36 Ramsgate 31st. For 7.7. 192 x R.H. 83 read 192 x 83

41 Goughs 28th. Remarks for "bustling above" read "bustling about

77 Lion Castle: means: Rainfall, for '5.16' read '5.167.'

149 Southampton 1516. Remarks for "02p. read" 02p. 02

page 3 Surhan Remarks, wherever 9 occurs for the hour read 10.

16

FROM

THE list of Stations, returns from which are published *in extenso* on Form A., is, with three exceptions, the same for 1878 as for the previous year. The exceptions are as follows: Hawes is discontinued, owing to the removal of Dr. J. D. Parker, its place being supplied by Llandudno; and Douglas, Isle of Man, and Southampton,—the Office of the Ordnance Survey,—are added to the list. The following is therefore the complete list of "Form A." Stations for 1878—in the order in which they are printed—beginning with the most Northerly and following the order of latitude.

Stations.	Observs.
Glenalmond, Perthshire	Rev. W. Percy Robinson, D.D.
Durham	G. A. Goldney, Esq.
Douglas, Isle of Man	A. W. Moore, Esq.
*Wakefield	H. Clarke, L.R.C.P., F.S.S.
*Kelstern, Lincolnshire	D. G. Briggs, Esq.
*Llandudno	J. Nicol, M.D.
*Buxton, Derbyshire	E. J. Sykes, F.R.A.S.
*Hillington, Norfolk	Rev. H. Ffolkes, M.A.
Uppingham, Rutlandshire	Rev. G. H. Mullins, M.A.
Oscott, Warwickshire	Rev. S. J. Whitty, B.A.
*Churchstoke, Montgomery	P. Wright, F.C.S.
*Hereford	T. A. Chapman, M.D.
*Audley End (Saffron Walden)	Mr. J. Bryan.
*Carmarthen	G. J. Hearder, M.D.
*Marlborough	Rev. T. A. Preston, M.A.
*Strathfield Turgiss, Hants	Rev. C. H. Griffith, B.D.
*Ramsgate	Rev. A. E. O'Gara, O.S.B.
Southampton (Ordnance Survey Office)	Col. A. C. Cooke, R.E., C.B.
Hastings	Alex. E. Murray, F.M.S.
*Dartmoor Prison	R. E. Power, L.R.C.P.
*Babbacombe, Devon	E. E. Glyde, Esq.
St. Aubin's, Jersey	J. E. Vibert, M.A.
Markree Castle, Sligo	E. Salles, for Colonel Cooper, F.R.A.S.
Dublin	J. W. Moore, M.D.
Parsonstown (Birr Castle)	J. Dreyer, M.A., and J. Mitchell for Earl of Rosse, F.R.S.

The stations in the above list marked with an asterisk are in connexion with the Meteorological Society (London), and the Returns are published here under an arrangement which is fully detailed in the Report of the Meteorological Committee for 1874.

As in previous years, the symbols adopted by the Vienna Congress are used in the "Remarks" column. They are as follows:—

Rain	-	-	-	-	☉	Hoar-frost	-	-	-	-	☉
Snow	-	-	-	-	✱	Dew	-	-	-	-	☉
Thunderstorm	-	-	-	-	⚡	*Silver-thaw ("Rauh-frost," "Duft")	✓				☉
Lightning without Thunder,						Glazed Frost ("Glatteis")	-	~			☉
Sheet Lightning	-	-	-	-	⚡	Snow-drift	-	-	-	+	☉
Hail	-	-	-	-	▲	Ice Crystals	-	-	-	←	☉
Soft-Hail ("Graupel")	-	-	-	-	△	Strong Wind	-	-	-	↻	☉
Mist, Fog	-	-	-	-	☁						☉
						Solar Corona	-	-	-	-	☉
						Solar Halo	-	-	-	-	☉
						Lunar Corona	-	-	-	-	☉
						Lunar Halo	-	-	-	-	☉
						Rainbow	-	-	-	-	☉
						Aurora	-	-	-	-	☉
						Dust Haze ("Höhenrauch")	-	-	-	-	☉

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

In 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. ● 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 always to be understood, thus—

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

The form in which the observations are published is that adopted for international use by the Congress at Rome, 1879.

The readings of the barometer are reduced to 32° Faht. at Mean Sea Level by the tables given in the "Instructions in the use of Meteorological Instruments," 1875.

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

The minimum and maximum thermometers have been set at 9 p.m., (at Durham at 10 p.m. and at Southampton at 9.30 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, where 0 represents calm, and 12 represents a hurricane, but at Durham the wind force is obtained by an anemometer, the indications of which are converted into their equivalents in the Beaufort Scale by the table given at page 58 in the "Instructions," while at Southampton the force is given in lbs. per square foot, which has been converted into Beaufort scale, by Table VII., in Sir H. James's book of Instructions.

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. each morning, (at Durham at 10 a.m., and at Southampton at 9.30 a.m.,) and the amount registered entered to the *previous* day.

The height of the station above Mean Sea Level given is always that of the platform on which the station stands.

Figures printed in *italic type* are interpolations, obtained by careful comparison of the Returns from adjacent stations; they have been used for obtaining the means for the months.

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

Note.—The index error of the Dartmoor barometer was determined during 1878, and the requisite correction has been applied from 1st January. To all the observations previous to 1878, .060 in. must be subtracted to make them comparable with those at other stations.

At Southampton the thermometers were not exposed in a Stevenson's screen, but were placed in a large louvered shed.

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	39°0	41°0	33°5	41°7	in.	in.	98	100	WSW 3	S 5	8	10	—	Squalls gp.
2	30°112	30°008	39°0	41°0	33°5	41°7	234	257	98	100	WSW 2	S 3	4	10	065	
3	30°258	30°194	33°8	39°3	31°5	48°7	188	234	97	98	S 7	SW 2	8	10	133	
4	29°870	29°828	47°0	46°0	38°5	48°7	311	311	97	100	E 3	E 1	8	10	035	
5	30°135	30°206	38°3	37°3	35°5	47°7	211	216	92	97	E 1	SW 2	10	2	—	before ga.
6	30°081	29°867	36°3	43°0	34°5	44°7	208	255	97	92	W 3	S 4	3	7	—	* before ga. Squalls gp.
7	29°839	29°839	38°0	35°0	33°5	46°7	208	194	91	95	W 3	NE 5	3	7	—	Squalls ga. and before.
8	29°281	29°772	33°0	38°0	29°5	41°7	173	214	92	94	NE 4	NE 5	8	10	—	
9	30°118	30°304	37°3	36°0	34°5	40°0	216	199	97	94	NE 4	NE 5	8	10	—	
10	354	341	32°5	34°0	30°5	37°7	175	192	95	98	NW 4	NW 5	2	0	—	
11	360	468	30°0	28°5	26°5	36°7	153	142	92	91	WSW 2	W 1	1	4	—	
12	487	556	26°5	30°0	24°5	36°7	144	140	100	83	W 2	NW 2	3	5	—	
13	506	253	31°7	40°0	29°5	40°0	166	226	87	92	SW 2	S 5	8	10	150	
14	170	165	36°8	42°3	35°5	44°7	212	263	98	98	SW 2	SW 4	5	4	—	Squalls p.
15	024	30°116	42°0	40°3	38°5	46°7	212	223	80	90	SW 4	S 1	3	10	040	ga.
16	30°066	29°960	37°0	50°0	36°5	51°7	220	317	100	88	E 1	SW 5	10	6	—	ga.
17	29°942	30°137	48°8	42°5	42°5	51°7	218	202	63	75	W 5	NNW 5	1	3	—	Squalls p.
18	30°324	380	39°5	30°0	29°5	47°7	186	140	77	83	WNW 3	W 1	3	0	—	
19	388	409	31°3	39°3	28°5	51°7	133	230	86	96	W 3	W 1	4	7	—	
20	30°312	30°046	39°0	44°3	36°5	44°7	224	284	94	98	SSW 3	S 6	8	10	350	ga. Squalls gp.
21	29°982	29°659	40°3	42°0	36°5	46°7	223	245	90	92	SSW 2	S 8	5	10	1410	Squalls gp.
22	698	596	39°8	32°5	31°5	50°0	188	175	77	95	SW 3	E 4	10	10	320	ga. * p.
23	884	478	20°5	28°0	18°5	34°7	999	122	90	80	W 3	SW 1	0	10	214	* before ga.
24	188	125	31°1	35°3	27°0	37°0	143	162	81	78	SW 2	E 6	10	2	130	* with squally wind during day.
25	296	367	31°0	26°8	26°0	38°0	117	96	66	66	NW 6	? 1	0	10	125	Squalls ga. and before.
26	436	29°673	22°6	37°0	20°3	38°0	951	200	42	91	NW 4	SW 6	5	0	—	* with squalls before ga. Squalls p.
27	988	30°035	35°0	27°5	27°0	41°2	150	141	73	94	NW 2	? 1	3	4	—	
28	836	29°687	31°9	32°3	26°0	32°5	164	177	91	97	SE 1	? 1	10	10	605	* a. and p.
29	566	29°768	34°5	26°2	25°0	40°0	180	136	90	96	SW 1	? 1	6	0	—	* before ga.
30	30°049	30°192	22°5	22°0	21°2	41°0	103	101	86	86	SW 1	Calm 0	2	0	—	
31	324	455	25°0	31°0	18°8	35°5	128	148	95	85	W 1	Calm 0	9	6	—	
Means	30°013	30°005	34°2	36°0	30°1	42°7	177	198	87°2	90°5	2°7	3°0	5°4	6°0	3°595	

DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.

JANUARY 1878.

	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.	10 a.m.	
1	30°202	30°086	35°8	42°1	31°2	42°7	197	244	94	91	S 0°9	SW 1°4	9	10	—	—
2	315	30°231	36°7	36°3	34°5	44°2	196	203	90	95	W 0°8	S 0°5	3	10	—	—
3	002	29°855	48°7	45°3	36°3	50°0	289	303	84	100	WSW 3°0	S 0°4	10	10	348	—
4	069	30°207	43°8	40°7	40°4	46°3	286	252	100	99	NE 1°4	NE 0°5	10	10	103	10 a. p. a. and p.
5	30°095	29°907	41°3	47°0	40°1	47°3	256	277	99	87	S 1°1	WSW 1°1	10	9	—	—
6	29°878	602	42°8	37°0	35°5	47°4	217	182	79	83	WNW 2°5	W 1°8	7	0	060	—
7	330	29°624	36°3	36°9	33°8	42°2	194	200	91	91	SSW 0°7	NNE 3°0	8	10	380	in squalls before a.
8	29°974	30°154	37°7	34°3	33°3	41°0	199	188	88	95	NNE 4°6	N 1°8	6	6	220	in squalls a. and before. ▲ p.
9	30°289	281	34°0	34°3	32°1	36°3	180	156	91	78	NNW 2°4	NW 2°0	10	9	043	* before a. * p.
10	342	463	34°3	35°2	30°5	38°2	182	179	92	86	NW 0°9	Calm 0°0	0	10	—	—
11	590	571	32°8	30°0	29°0	39°0	177	145	94	86	NW 0°2	WSW 0°5	0	0	—	—
12	555	395	38°5	39°2	29°3	41°8	187	218	81	91	WSW 0°7	SSW 2°6	10	10	—	—
13	313	272	41°4	44°3	38°6	44°7	214	186	83	63	SW 2°0	SW 1°0	0	10	—	in squalls a. and p.
14	097	133	48°8	44°3	41°1	49°2	300	279	87	96	WSW 3°0	WNW 0°8	10	10	094	—
15	30°119	043	49°3	50°0	41°4	51°9	326	312	93	87	WSW 0°7	W 4°5	9	10	—	in squalls p.
16	29°985	216	50°5	40°4	39°3	52°6	312	211	85	84	WNW 3°0	WNW 2°4	9	4	—	in squalls a. and p.
17	30°354	410	40°7	38°2	35°4	45°8	220	206	87	90	NW 0°9	W 0°7	0	4	—	—
18	449	429	36°3	39°3	28°4	46°4	213	231	99	96	S 0°9	SW 0°8	10	2	010	—
19	386	30°183	40°3	40°0	35°5	46°3	215	224	87	91	SW 1°0	S 3°0	10	10	—	in squalls p.
20	30°067	29°775	46°2	47°9	39°5	49°0	265	264	86	80	WSW 0°9	SSW 7°3	8	10	—	in squalls p.
21	29°730	511	51°2	51°9	47°0	53°0	320	341	85	88	WSW 4°2	SW 6°1	8	4	490	in squalls before a. and p.
22	964	429	32°8	41°0	32°2	53°1	178	231	95	90	S 0°7	SSW 3°0	9	4	202	Squalls before a.
23	381	220	34°0	34°8	32°3	41°0	178	170	90	84	SW 3°5	WSW 6°0	1	0	020	* a. and p.
24	328	343	35°1	30°6	29°3	38°4	155	153	75	90	WNW 2°4	SW 0°4	0	4	090	in squalls before a.
25	396	29°627	26°4	36°8	21°7	37°3	130	181	92	83	WNW 2°4	NNW 4°2	0	10	068	* before a. * < p.
26	29°964	30°051	36°2	31°5	30°1	40°3	182	160	85	91	NW 0°9	SSW 0°5	1	10	—	—
27	30°004	29°747	33°2	32°8	29°4	39°9	177	177	94	94	SSE 2°4	S 4°2	10	10	383	Squally a. * p.
28	29°608	29°825	37°0	32°0	31°0	40°8	202	153	92	85	S 0°5	WSW 1°0	6	0	—	* before a.
29	30°043	30°300	36°4	28°9	27°8	40°2	182	130	84	83	NW 0°8	W 0°4	0	0	—	—
30	330	430	27°7	31°2	25°0	39°0	129	153	86	88	SW 0°3	NW 0°7	0	0	—	—
31	30°571	30°627	33°8	27°8	27°8	39°5	172	139	88	92	NW 0°7	SW 0°8	5	0	—	a. and p.
Means	30°056	30°027	38°7	38°1	33°4	44°0	214	208	88°9	88°3	1°6	2°0	5°8	6°3	2°511	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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°5	46°0	o	o	in.	in.	%	%					ins.	
2			36°5	46°0											320	
3			48°0	46°0											270	
4			45°0	45°0											—	
5			46°0	44°5											100	
6			40°0	40°5											130	
7			39°0	39°0											170	
8			35°0	28°0											—	
9			38°0	31°0											—	
10			32°0	28°0											—	
11			33°0	36°0											—	
12			32°0	40°0											100	
13			40°0	42°0											—	
14			49°0	49°0											160	
15			49°0	48°0											040	
16			49°0	48°0											—	
17			49°0	48°0											070	
18			48°0	44°0											—	
19			43°0	43°0											250	
20			42°0	42°0											130	
21			49°0	51°0											450	
22			33°0	40°0											090	
23			38°0	36°0											020	
24			38°0	34°0											100	
25			31°0	40°0											100	
26			33°0	37°0											780	
27			41°0	46°0											1230	
28			38°0	34°0											—	
29			37°0	31°0											—	
30			36°0	30°0											—	
31			29°0	30°0											—	
Means			39°9	40°1											4°530	

WAKEFIELD.

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

JANUARY 1878.

1	30°260	30°158	35°7	44°3	35°2	44°7	205	242	99	82	SW 1	SW 1	8	10	—	
2	333	30°352	42°4	32°1	32°1	45°7	258	174	95	96	Calm 0	Calm 0	10	7	—	a.
3	30°134	29°896	47°2	48°0	32°0	52°0	279	309	87	93	SSW 1	Calm 0	10	10	640	a.
4	29°997	30°169	46°2	44°2	39°5	48°1	304	281	98	97	NNE 1	WSW 1	10	10	030	
5	30°150	29°986	43°3	45°8	41°3	46°3	274	289	98	94	S 1	SE 1	10	10	050	
6	29°956	30°000	46°2	40°0	40°0	47°9	241	226	76	92	W 2	W 1	5	2	030	
7	498	29°549	39°1	36°5	36°0	42°1	198	194	83	91	WSW 4	SW 2	8	10	150	
8	29°918	30°189	37°6	36°6	35°6	41°6	198	188	88	88	N 2	NNW 3	6	8	120	
9	30°271	317	35°9	35°1	34°6	37°8	189	151	90	73	NW 1	Calm 0	7	2	—	a.
10	348	498	36°7	38°1	33°5	40°8	172	208	79	90	W 1	Calm 0	5	10	—	a.
11	599	623	35°9	36°3	32°8	40°8	197	188	94	89	Calm 0	Calm 0	9	4	—	Clouds very low and dense at ga.
12	614	555	37°1	40°7	34°7	43°3	194	204	88	80	Calm 0	WSW 2	10	3	010	
13	412	404	45°2	44°2	39°2	45°5	248	223	83	76	WSW 1	W 1	10	10	190	
14	200	169	49°2	50°7	42°8	50°9	319	325	92	88	WNW 3	W 2	10	10	070	
15	205	156	50°2	49°2	43°1	51°3	329	307	91	89	W 1	W 4	10	10	—	Long horizontal roll cloud, light red or pink, from N. to S. at 4.25 p.
16	096	249	47°6	44°2	43°7	50°9	296	223	90	76	W 3	NW 1	10	4	—	
17	375	433	40°2	34°1	33°8	45°3	219	184	89	94	W 1	Calm 0	1	0	—	a.
18	500	483	31°2	44°8	28°4	44°8	170	257	97	86	WSW 1	Calm 0	10	10	—	ga. and before. a.
19	442	394	37°1	42°8	32°4	44°9	219	237	99	86	Calm 0	Calm 0	10	10	—	a.
20	30°136	30°009	49°4	52°2	48°7	53°0	284	307	81	79	Calm 0	S 2	9	10	070	
21	29°805	29°726	54°0	54°8	51°1	57°0	336	342	80	80	W 4	ESE 4	10	10	230	
22	978	732	41°1	43°1	40°4	54°8	217	211	84	76	Calm 0	SSW 3	10	4	190	n. during day.
23	574	360	38°9	37°6	35°0	45°9	175	176	75	78	WSW 5	W 4	6	10	150	2.10 p. and 2.57 p. a.
24	415	403	35°2	36°3	34°1	41°0	182	182	88	85	W 2	Calm 0	2	3	010	a.
25	425	29°590	27°0	38°1	25°7	38°6	085	172	58	74	NNW 1	W 1	5	2	020	before ga. * a. and p.
26	29°958	30°100	35°2	32°1	31°4	40°8	178	161	86	89	W 2	Calm 0	4	10	—	a.
27	30°047	29°846	34°1	34°3	28°8	36°9	167	102	84	97	Calm 0	S 1	10	10	380	before ga. * p. op.
28	29°663	29°864	40°1	35°1	34°3	42°3	225	175	91	85	W 1	WSW 1	10	2	—	a.
29	30°112	30°237	33°5	39°1	30°2	42°4	164	217	86	91	Calm 0	Calm 0	0	0	—	a.
30	334	426	27°8	32°9	25°2	42°1	127	168	84	90	Calm 0	Calm 0	0	10	—	before ga. ga. all day.
31	30°549	30°650	33°9	33°7	28°8	41°9	177	156	90	80	NNW 1	Calm 0	0	2	—	before ga. a.
Means	30°107	30°101	39°8	40°5	35°2	45°2	220	222	87°2	85°9	1°3	1°1	7°3	6°9	2°349	

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30°290	30°222	31°2	37°4	30°9	37°8	175	224	100	100	WSW 1	SSW 1	6	10	ins. 0°20	∞ a.
2			324	30°385	39°3	35°5	34°1	45°1	238	204	99	99	NW 1	SW 1	10	0	—	Very fine during the day.
3			30°201	29°961	41°7	44°2	34°8	44°4	260	290	98	100	SSW 2	SW 1	10	10	316	during the day.
4			29°973	30°165	42°8	41°2	41°2	45°2	275	259	100	100	NE 1	E 1	10	10	020	a. 2 p.
5			30°103	30°022	40°0	40°3	39°2	41°7	247	248	100	100	SSW 1	SW 2	10	10	025	a. and p.
6			29°949	29°743	42°1	37°0	37°0	44°7	248	204	93	93	W 2	WSW 3	7	3	010	Mild.
7			477	29°500	33°4	33°2	32°2	37°9	183	187	96	99	W 2	NW 1	2	2	040	Very fine a. Cold p.
8			29°837	30°074	37°0	33°0	32°9	41°4	199	183	90	98	N 1	NE 3	8	10	135	135
9			30°218	267	33°6	33°4	32°0	37°4	182	186	94	98	NNW 1	N 1	3	8	086	0. 0 p.
10			303	467	33°4	33°3	32°3	37°1	186	186	98	98	NNW 1	N 1	10	5	143	* before ga.
11			613	639	29°9	32°4	28°6	35°9	166	179	100	98	SW 1	Calm 0	2	3	010	ga. Fine but cold, p.
12			622	550	33°9	35°3	31°2	36°2	176	186	90	91	WSW 1	WSW 1	9	10	—	∞ p.
13			437	423	38°0	38°8	34°9	43°6	213	220	93	94	SW 3	WSW 2	8	10	028	
14			210	172	45°0	46°5	38°7	48°2	285	309	96	97	WSW 4	WSW 2	10	10	124	
15			209	162	46°8	46°6	42°9	48°7	303	289	95	92	W 1	WNW 2	10	10	008	
16			086	207	46°2	39°0	39°0	49°8	277	218	90	92	W 3	NW 3	8	0	—	Very fine p.
17			366	444	37°1	36°1	35°0	43°9	203	199	92	94	WNW 1	NW 1	2	4	—	Very fine all day.
18			497	495	29°9	37°4	28°9	44°7	154	224	94	100	SSW 1	SSW 1	1	10	023	Very fine a. 2 p.
19			464	348	37°2	39°2	36°6	41°0	222	233	100	97	SW 1	SW 3	10	10	018	a. and p.
20			30°191	30°106	42°3	46°0	37°7	46°9	248	306	92	99	SW 5	SW 4	4	10	—	a.
21			29°879	29°751	49°9	52°0	46°0	53°9	330	361	93	93	WSW 5	SW 6	8	10	065	all day.
22			995	719	39°7	44°1	39°7	52°3	222	287	91	99	ENE 1	W 3	9	3	127	127
23			608	409	34°3	32°4	32°0	44°7	179	177	90	97	W 3	W 4	1	0	053	* p.
24			406	416	34°0	31°9	31°2	38°8	185	159	95	88	W 3	WNW 1	7	6	115	Very fine, but cold wind a.
25			313	29°519	26°4	28°3	22°8	34°4	127	155	90	100	N 3	NW 1	5	10	270	* a. and p.
26			29°905	30°093	32°9	29°9	27°6	38°3	179	152	96	92	NW 1	N 1	8	0	055	* a. and p.
27			30°109	29°931	31°9	29°7	27°0	34°3	164	186	91	100	S 1	SE 4	9	10	546	* p.
28			29°672	29°843	36°0	32°0	32°0	37°7	212	165	100	91	SSW 2	NW 2	10	1	085	ga. Very fine p.
29			30°041	30°182	31°9	31°3	30°0	37°8	164	169	91	96	NW 1	NW 1	0	0	—	Very fine day, but cold.
30			310	403	32°4	30°0	29°1	40°6	175	167	96	100	NW 1	NW 1	9	1	057	Very fine, ga. and gp.
31			30°521	30°622	32°3	30°4	28°9	39°4	174	161	96	96	N 1	N 1	2	2	—	135. Very fine day.
Means	30°104	30°105	36°9	56°8	33°8	42°0	211	215	94°8	96°5		1°8	1°9	6°7	6°1	2°379		

BUXTON.

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

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	35°	39°	35°	39°	ins.	ins.	92	92	Calm	0	6	10	ins.	
2	30°306	30°189	35°	39°	35°	39°	225	225	92	92	Calm	0	6	10	0.80	
3	30°380	30°378	41°	41°	36°	47°	244	243	92	92	NW	1	8	10	0.01	
4	30°156	30°022	43°	43°	41°	45°	257	264	92	92	W	3	8	10	0.420	
5	30°000	30°182	44°	43°	40°	44°	255	262	86	92	NE	1	10	10	0.020	ga. and gp.
6	30°156	30°040	42°	43°	40°	44°	233	274	84	98	E	1	10	10	0.635	all day.
7	29°998	29°780	41°	42°	37°	44°	233	252	90	92	NW	3	7	10	0.420	
8	30°060	29°528	33°	33°	32°	42°	182	176	96	90	W	5	10	6	0.360	a. and p.
9	29°927	29°158	35°	33°	33°	37°	188	176	90	90	NE	3	10	10	0.090	ga. and p.
10	30°296	30°334	32°	32°	30°	34°	168	150	90	82	N	1	10	3	—	ga. and before.
11	30°381	30°481	32°	33°	30°	37°	166	170	90	87	N	2	10	5	—	
12	30°633	30°642	33°	33°	29°	45°	166	174	85	89	Calm	0	10	10	—	
13	30°734	30°536	35°	35°	33°	38°	170	179	82	86	NW	1	8	10	0.140	
14	30°888	30°456	36°	40°	33°	42°	193	220	91	88	NW	2	10	8	1.440	
15	30°279	30°278	46°	43°	40°	47°	207	237	93	84	W	2	10	10	0.300	
16	30°280	30°231	47°	45°	40°	47°	203	286	93	93	W	2	10	10	0.360	
17	30°156	30°289	44°	41°	40°	46°	270	235	91	92	NW	4	10	10	0.390	
18	30°394	30°480	39°	39°	38°	42°	230	225	95	92	NW	2	10	10	0.010	
19	30°526	30°487	38°	41°	36°	42°	214	233	93	90	NW	1	10	10	—	
20	30°484	30°290	38°	39°	34°	42°	206	206	89	84	Calm	0	10	4	0.060	ga.
21	30°228	30°008	43°	46°	39°	47°	264	297	92	93	W	3	10	10	0.240	
22	29°917	29°764	49°	49°	46°	51°	323	330	91	93	W	4	10	10	0.300	
23	30°989	30°768	40°	40°	38°	50°	229	218	83	86	E	1	10	10	0.090	
24	30°656	30°490	34°	37°	31°	43°	168	129	83	57	W	4	10	8	0.600	before ga. * R p. * gp.
25	30°449	30°476	33°	32°	32°	38°	176	170	90	92	NW	2	10	5	0.390	* before ga. * p.
26	29°464	29°648	24°	34°	22°	34°	079	178	60	90	N	2	10	6	0.100	* before ga. * p. D gp.
27	30°034	30°201	32°	28°	27°	30°	168	133	90	84	N	1	10	10	0.400	
28	30°076	30°864	30°	32°	26°	33°	125	170	75	92	W	1	10	10	0.610	* p.
29	30°686	30°919	36°	32°	32°	39°	182	181	83	97	NW	2	10	0	0.090	gp.
30	30°098	30°221	34°	31°	31°	37°	174	162	87	91	NW	3	10	10	—	gp.
31	30°383	30°448	24°	24°	18°	41°	089	103	67	76	Calm	0	10	10	—	ga.
Means	30°148	30°138	37°	37°	34°	42°	203	206	87°	88°	1°	2°	8°	8°	8°	8°

HILLINGTON, NORFOLK.

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

JANUARY 1878.

1	30°309	30°214	40°0	39°8	27°3	40°3	*167	*231	100	95	SW	1	W	2	8	10	*066	1 ² a.
2	30°309	30°365	40°0	34°8	30°8	44°1	*255	*190	100	96	W	1	SW	0°5	10	0	—	1 ² p.
3	30°210	29°093	44°2	45°4	32°7	45°6	*283	*294	97	97	SW	2	SW	3	10	10	*337	before ga.
4	29°929	30°147	44°5	42°3	42°2	46°1	*294	*268	100	100	SSE	1	SE	1	10	10	*057	
5	30°184	30°029	39°7	43°2	39°3	43°2	*231	*275	95	98	S	1	SW	3	10	10	*015	Fair.
6	29°946	29°762	45°0	40°6	40°1	45°7	*289	*231	97	92	NW	3	W	5	10	10	—	
7	*521	*452	34°1	34°8	32°2	41°3	*186	*202	95	100	SW	3	NE	0°5	3	10	*154	Very fine sea. 0.45p. 2.30p.
8	29°756	29°971	33°2	35°8	33°2	42°9	*166	*184	88	89	NE	2	NE	5	7	9	*136	3p.
9	30°159	30°222	35°6	34°7	31°8	40°5	*174	*195	83	97	NE	3	NW	2	4	9	*084	early a. Very fine. 1 ⁰ .
10	*243	*437	35°6	28°6	28°2	39°4	*198	*154	96	98	N	2	N	0°5	7	8	*036	1 ² p.
11	*602	*663	25°0	32°5	21°3	37°4	*435	*167	100	91	Calm	0	SW	0°2	0	10	—	1 ² a.
12	*614	*556	34°0	34°4	32°0	36°8	*170	*182	86	92	SW	1	SW	1	10	10	—	1 ⁰ a.
13	*495	*428	37°2	43°7	33°6	44°7	*214	*283	96	99	SW	1	SW	2	9	10	*030	
14	*257	*168	45°2	48°2	43°1	51°0	*287	*322	96	96	W	3	SW	3	10	10	*002	
15	*205	*166	48°5	47°0	46°1	55°4	*342	*292	100	91	W	3	SW	6	10	9	*034	p.
16	*104	*164	45°2	41°8	41°3	49°3	*268	*241	90	92	NW	5	NW	3	8	5	—	before ga. Dry wind.
17	*357	*397	35°7	39°1	34°9	44°3	*197	*225	95	94	NW	1	NW	1	2	10	—	Very fine and sunny, cold wind.
18	*468	*473	35°3	35°1	30°2	43°3	*206	*198	100	97	NW	1	SW	2	10	10	—	5p.-8.30p., then a thaw.
19	*454	*370	32°8	36°5	32°8	42°6	*173	*202	93	94	SW	1	W	2	10	10	*010	all day.
20	30°264	30°179	42°7	46°7	36°0	47°3	*255	*317	92	99	SW	4	SW	4	10	10	*012	before ga.
21	29°960	29°835	51°2	53°1	42°3	54°8	*348	*377	93	93	SW	5	SW	6	10	10	*153	p.
22	*935	*730	42°0	49°8	41°3	53°8	*265	*308	99	86	E	1	SW	6	10	2	*030	at night.
23	*657	*502	37°9	35°9	33°6	49°9	*206	*176	90	84	SW	6	WSW	5	0	2	—	before ga. 3p. * at
24	*403	*393	36°7	33°1	31°8	45°4	*171	*141	79	74	WNW	3	NW	2	7	9	*064	Very heavy cloud to N.W. 3p. * at
25	*263	29°515	30°0	30°2	26°3	33°7	*167	*168	100	100	NW	4	NW	1	10	7	*116	* 8.30a. and ga. < 7p. [night.
26	29°874	30°066	35°0	28°7	25°8	39°7	*196	*154	96	98	NW	3	Calm	0	6	0	—	* before ga. Thaw. 3p. * gp.
27	30°164	29°959	30°3	36°2	26°3	37°1	*169	*205	100	96	Calm	0	SSE	2	9	10	*370	before ga. 1 ² a.
28	29°675	29°803	38°4	35°4	34°1	41°2	*226	*179	98	87	SSW	2	NE	1	10	10	*260	
29	30°009	30°140	33°8	33°4	31°1	40°0	*174	*179	89	94	NW	1	N	2	0	2	—	1 ² a. Very fine and sunny.
30	*264	*360	34°1	30°0	29°5	40°3	*178	*150	90	90	NE	1	N	0°5	7	5	—	
31	30°513	30°558	33°7	35°0	29°2	41°1	*179	*158	92	77	NE	1	NE	0°5	4	10	*092	* 11.20a. Fine afternoon.
Means	30°100	30°097	37°7	38°2	33°6	43°8	*218	*221	94°4	93°1	2°1		2°3	7°5	8°0	2°08		

UPPINGHAM.

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

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	36°	40°	32°	46°	ins.	ins.	%	%	xwb.w2	SW	1	10	10	ins.	
2	30°303	30°225	36°	40°	32°	46°	*191	*230	89	94	xwb.w2	SW	1	10	10	0.012	
3	30°331	30°377	43°	39°	38°	46°	*273	*240	98	98	WNW	1	Calm	0	10	—	
4	30°216	29°984	41°	45°	37°	46°	*236	*293	92	98	SW	3	swb.w2	2	9	10	0.300
5	29°927	30°145	45°	42°	37°	46°	*301	*271	100	100	NNE	1	Calm	0	10	10	0.044
6	30°196	30°051	40°	41°	37°	43°	*244	*256	98	97	E by S	1	WSW	1	10	10	0.018
7	29°993	29°816	44°	38°	37°	44°	*262	*209	90	91	NW	2	SW	2	9	7	—
8	30°539	29°472	33°	35°	33°	39°	*176	*195	90	93	W	3	NE	2	5	9	0.062
9	29°820	30°039	34°	34°	32°	40°	*188	*180	95	91	NW	3	N	4	2	10	0.035
10	30°206	30°282	32°	33°	32°	36°	*176	*176	93	91	N	3	NW	3	7	10	0.020
11	30°305	30°453	34°	35°	32°	37°	*197	*204	98	100	NW	3	Calm	0	10	10	0.010
12	30°615	30°652	31°	34°	29°	39°	*153	*197	85	99	NW	1	SW	1	2	10	—
13	30°636	30°596	33°	34°	32°	36°	*189	*199	99	99	NW	2	SW	1	10	10	—
14	30°493	30°449	38°	44°	33°	45°	*226	*282	98	97	SW	3	SW	3	10	10	0.028
15	30°293	30°231	45°	47°	37°	50°	*297	*323	99	98	SW	5	SW	5	10	10	0.018
16	30°248	30°224	48°	46°	44°	49°	*331	*314	99	98	NW	4	W	3	10	10	0.023
17	30°172	30°244	45°	42°	42°	49°	*206	*217	97	79	W	4	NNW	5	8	1	—
18	30°392	30°448	37°	37°	35°	44°	*197	*186	87	84	NW	2	NW	1	0	2	—
19	30°501	30°496	33°	39°	31°	41°	*165	*244	85	99	NW	1	Calm	0	9	10	0.017
20	30°476	30°373	39°	39°	36°	44°	*237	*229	99	94	SW	1	swb.w3	10	10	10	—
21	30°253	30°177	43°	48°	38°	49°	*242	*315	84	93	SW	6	SW	7	10	10	0.090
22	29°968	29°849	51°	51°	47°	54°	*324	*324	85	85	SW	8	swb.w9	10	10	10	0.212
23	29°978	29°776	44°	44°	40°	54°	*281	*213	98	71	xwb.w2	2	NW	9	1	14	1
24	29°698	29°526	36°	33°	32°	46°	*156	*162	72	85	W by S	6	swb.w5	1	0	34	1
25	30°486	30°431	35°	35°	32°	39°	*160	*176	79	86	WhyN	4	xwb.w1	8	10	10	0.031
26	30°373	29°550	26°	30°	25°	36°	*081	*155	58	89	NNW	3	NW	3	1	10	—
27	29°924	30°098	31°	31°	30°	39°	*180	*144	83	82	swb.w3	3	Calm	0	7	2	—
28	30°101	29°921	33°	33°	30°	34°	*159	*190	90	99	S by E	1	S	2	10	10	0.211
29	29°683	29°880	39°	32°	32°	42°	*233	*163	98	87	WNW	1	WhyN	3	10	0	0.096
30	30°056	30°188	32°	32°	30°	39°	*157	*143	87	78	NW	2	NW	2	0	0	—
31	30°285	30°392	31°	31°	28°	39°	*156	*158	89	88	xwb.w1	1	N	1	3	0	—
32	30°303	30°607	30°	32°	29°	39°	*148	*164	87	90	N by E	2	NE	1	10	7	0.011
Means	30°128	30°127	37°	38°	34°	43°	*212	*218	90°	91°	2°	2°	2°	7°	7°	1°	14

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	38°	43°	36°	44°	in.	in.	94	90	Calm	W	0	5	10	ins.
2	30°27	30°25	38°	43°	36°	44°	231	257	94	90	Calm	W	0	5	10	on hills ga.
3	30°21	29°12	45°	49°	39°	50°	286	321	93	92	Calm	SW	2	10	9	ga. Dull and gloomy day.
4	29°56	30°16	46°	45°	44°	50°	311	297	100	97	Calm	NNW	0	5	10	ga. and before.
5	30°17	30°06	43°	46°	43°	46°	285	292	100	94	Calm	W	0	5	10	
6	30°06	29°84	43°	40°	39°	46°	233	216	81	86	WNW	W	1	9	5	
7	29°50	29°58	35°	36°	34°	41°	191	210	91	97	W	SSE	1	9	10	
8	29°34	30°17	37°	37°	35°	39°	187	175	85	77	NE	E	1	6	9	Squalls before ga. Cold wind with ∞.
9	30°30	30°39	34°	29°	29°	37°	170	164	84	99	N	0	5	7	0	Cold wind with ∞.
10	30°37	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
11	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
12	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
13	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
14	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
15	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
16	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
17	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
18	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
19	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
20	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
21	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
22	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
23	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
24	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
25	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
26	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
27	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
28	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
29	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
30	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
31	30°30	30°31	28°	27°	27°	41°	142	114	85	73	WNW	0	5	0	2	
Means	30°17	30°16	39°	39°	35°	44°	223	230	90°	90°	1°	1°	6°	6°	1°	719

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	30°28	30°25	38°	42°	32°	44°	229	250	98	91	Calm	0	10	10	003	ga.
2	30°34	30°37	40°	45°	42°	48°	297	304	93	100	Calm	0	10	0	020	ga. and gp.
3	30°26	29°36	42°	47°	39°	49°	261	318	95	97	WSW	1	10	10	060	
4	29°59	30°14	47°	46°	46°	49°	306	302	95	97	Calm	0	10	10	003	gp.
5	30°16	30°04	43°	44°	43°	47°	281	285	100	98	Calm	0	10	7	020	ga. and gp.
6	30°07	29°50	45°	41°	41°	47°	225	225	74	87	NW	1	10	8	152	
7	29°57	29°47	36°	37°	35°	42°	190	204	88	90	WNW	1	10	6	028	
8	29°58	30°11	37°	37°	35°	42°	193	176	86	77	NNE	3	10	2	001	
9	30°27	30°34	34°	32°	32°	38°	172	149	84	87	NNE	2	10	0	—	
10	30°37	30°41	30°	33°	33°	40°	137	172	81	89	Calm	0	10	10	—	
11	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	ga. and gp.
12	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	ga.
13	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
14	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
15	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
16	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
17	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
18	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
19	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
20	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
21	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
22	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
23	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
24	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
25	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
26	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
27	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
28	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
29	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
30	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
31	30°30	30°33	33°	32°	32°	41°	182	167	96	91	Calm	0	10	10	—	
Means	30°16	30°15	40°	41°	36°	46°	226	235	87°	88°	1°	1°	7°	6°	1°	483

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	30° 32'	30° 25'	29° 6'	40° 7'	28° 0'	41° 3'	in.	in.	%	%	NW	1	SW	1	4	10	ins.	☁. Drizzling ☁ at night.
2	30° 33'	30° 38'	38° 44'	36° 7'	35° 9'	48° 0'	29° 21'	216	98	99	SW	1	Calm	0	10	0	0	030	☁. Drizzling ☁ at night.	
3	30° 27'	30° 05'	44° 0'	41° 1'	36° 2'	44° 7'	278	240	97	93	SW	1	SW	2	6	10	0	250	☁. Drizzling ☁ at night.	
4	29° 93'	29° 15'	45° 0'	42° 4'	41° 1'	46° 7'	292	264	98	98	SE	1	Calm	0	10	10	10	040	☁. Drizzling ☁ at night.	
5	30° 18°	30° 04'	41° 3'	43° 4'	41° 0'	45° 1'	249	274	96	98	Calm	0	Calm	0	10	10	10	030	☁. Drizzling ☁ at night.	
6	29° 093'	29° 849'	45° 4'	42° 7'	42° 5'	46° 2'	275	224	91	82	NW	2	W	1	10	10	10	—	☁. Drizzling ☁ at night.	
7	29° 573'	29° 524'	36° 4'	36° 4'	34° 2'	43° 3'	189	214	89	99	SW	1	W	1	4	10	10	080	☁. Drizzling ☁ at night.	
8	29° 735'	29° 970'	36° 7'	34° 1'	34° 1'	41° 2'	201	186	93	95	NW	2	NW	2	10	0	10	010	☁. Drizzling ☁ at night.	
9	30° 145'	30° 265'	33° 9'	35° 0'	32° 2'	38° 3'	172	196	88	96	NW	1	NW	2	8	10	10	050	☁. Drizzling ☁ at night.	
10	30° 260'	30° 429'	34° 4'	29° 6'	29° 6'	39° 3'	199	158	100	97	N	2	NW	1	8	0	10	030	☁. Drizzling ☁ at night.	
11	30° 606'	30° 645'	22° 4'	29° 4'	20° 0'	36° 3'	091	162	78	100	Calm	0	SW	1	0	10	10	—	☁. Drizzling ☁ at night.	
12	30° 643'	30° 604'	34° 1'	34° 4'	28° 2'	36° 0'	166	169	84	84	Calm	0	SW	1	10	10	10	020	☁. Drizzling ☁ at night.	
13	30° 549'	30° 495'	36° 4'	45° 7'	34° 2'	46° 3'	199	280	93	92	SW	2	SW	2	10	10	10	010	☁. Drizzling ☁ at night.	
14	30° 344'	30° 248'	45° 9'	48° 4'	44° 5'	50° 4'	268	299	88	80	W	3	NW	2	10	9	10	—	☁. Drizzling ☁ at night.	
15	30° 254'	30° 237'	49° 5'	47° 4'	47° 3'	52° 2'	325	281	93	87	NW	2	NW	2	7	10	10	060	☁. Drizzling ☁ at night.	
16	30° 196'	30° 229'	45° 9'	42° 9'	42° 7'	51° 2'	261	247	86	90	NW	2	NW	1	7	8	10	—	☁. Drizzling ☁ at night.	
17	30° 361'	30° 438'	38° 8'	30° 7'	30° 5'	44° 7'	212	169	90	99	NW	2	Calm	0	0	0	10	—	☁. Drizzling ☁ at night.	
18	30° 485'	30° 503'	29° 6'	28° 4'	26° 0'	45° 2'	161	137	99	89	Calm	0	Calm	0	5	4	10	—	☁. Drizzling ☁ at night.	
19	30° 481'	30° 466'	35° 6'	38° 4'	27° 1'	44° 0'	202	226	98	98	Calm	0	Calm	0	10	8	10	—	☁. Drizzling ☁ at night.	
20	30° 322'	30° 239'	43° 4'	47° 9'	38° 0'	48° 5'	253	327	90	68	SW	1	SW	1	8	10	10	080	☁. Drizzling ☁ at night.	
21	30° 045'	29° 925'	51° 4'	54° 4'	47° 0'	56° 0'	345	366	91	87	SW	2	SW	2	10	10	10	100	☁. Drizzling ☁ at night.	
22	29° 964'	29° 828'	53° 2'	48° 6'	47° 2'	56° 2'	361	293	89	86	W	2	W	3	10	0	10	040	☁. Drizzling ☁ at night.	
23	29° 767'	29° 557'	39° 4'	35° 9'	35° 9'	49° 2'	187	204	78	97	W	3	SW	2	0	0	10	—	☁. Drizzling ☁ at night.	
24	29° 505'	29° 424'	36° 4'	36° 6'	34° 4'	41° 2'	180	188	84	88	SW	2	SW	1	4	10	10	090	☁. Drizzling ☁ at night.	
25	29° 308'	29° 545'	30° 4'	29° 4'	25° 0'	37° 3'	170	154	100	95	NW	3	NW	2	10	4	10	120	☁. Drizzling ☁ at night.	
26	29° 882'	29° 082'	34° 8'	32° 4'	28° 7'	38° 0'	174	172	86	95	N	1	N	1	8	7	10	—	☁. Drizzling ☁ at night.	
27	29° 105'	29° 953'	31° 4'	36° 4'	28° 2'	37° 3'	174	203	99	94	Calm	0	SE	1	5	10	10	380	☁. Drizzling ☁ at night.	
28	29° 709'	29° 838'	41° 4'	34° 6'	34° 5'	42° 0'	256	180	90	90	S	2	NW	2	10	0	10	—	☁. Drizzling ☁ at night.	
29	29° 026'	29° 148'	33° 4'	33° 2'	30° 0'	39° 8'	174	174	92	93	NW	2	NW	1	0	0	10	270	☁. Drizzling ☁ at night.	
30	29° 242'	29° 368'	30° 9'	31° 8'	26° 8'	38° 6'	166	158	95	89	NW	1	NW	2	7	0	10	—	☁. Drizzling ☁ at night.	
31	30° 446'	30° 554'	31° 2'	33° 6'	30° 9'	39° 5'	172	184	98	95	N	1	N	1	10	10	10	—	☁. Drizzling ☁ at night.	
Means	30° 129'	30° 135'	38° 3'	38° 1'	34° 2'	44° 0'	219	218	92° 2'	92° 9'	1° 4'	1° 2'	7° 1'	6° 5'	1° 700'					

MARLBOROUGH, WILTS.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30° 35.7	30° 25.8	34° 9	42° 2	32° 9	44° 0	in.	in.	94	94	100	100	ins.	all day. .
2	30° 37.8	30° 40.7	45° 0	46° 2	42° 0	47° 8	28° 9	31° 1	97	100	W	0° 3	Calm	0	10	ga. and p. .
3	30° 31.1	30° 03.6	39° 8	46° 7	38° 2	47° 6	23° 7	31° 2	97	98	SW	0° 3	W	0° 6	9	44.5
4	29° 92.1	29° 12.9	47° 7	45° 0	45° 0	48° 1	32° 9	29° 5	99	98	N	0° 3	N	0° 3	10	0.32
5	30° 19.8	30° 09.5	41° 6	43° 7	41° 6	45° 8	26° 1	27° 7	99	97	E	0° 1	W	0° 1	10	0.45
6	30° 06.9	29° 91.3	43° 5	40° 3	40° 1	46° 6	27° 3	23° 1	97	93	W	0° 3	W	0° 6	9	—
7	29° 63.8	29° 46.7	37° 6	37° 1	36° 4	42° 0	20° 9	20° 1	93	91	W	0° 3	Calm	0	8	0.93
8	29° 82.3	30° 04.9	36° 3	35° 6	34° 5	39° 9	19° 8	19° 3	93	93	NE	0° 6	NW	1° 2	10	0.10
9	30° 20.9	30° 31.9	33° 1	34° 8	32° 7	38° 4	17° 4	18° 8	92	92	NNE	0° 3	NW	0° 3	5	—
10	30° 36.2	30° 45.9	31° 2	34° 8	30° 0	48° 8	16° 0	19° 2	92	95	NW	0° 3	Calm	0	7	—
11	30° 44.8	30° 69.7	27° 2	25° 5	25° 5	42° 4	14° 2	13° 0	96	95	Calm	0	Calm	0	1	—
12	30° 70.2	30° 67.2	32° 1	34° 2	25° 4	35° 3	16° 0	19° 7	89	100	W	0° 1	Calm	0	10	—
13	30° 62.1	30° 57.8	37° 5	42° 9	34° 2	44° 5	20° 3	26° 5	91	96	W	0° 3	SW	1° 2	9	0.20
14	30° 45.8	30° 36.1	44° 7	47° 1	42° 6	50° 0	28° 1	31° 7	95	98	W	1° 2	W	2° 2	10	—
15	30° 36.8	30° 35.1	46° 5	45° 0	36° 0	51° 0	30° 4	27° 5	97	92	W	0° 6	W	0° 6	7	—
16	30° 32.9	30° 31.5	43° 5	40° 7	40° 9	49° 5	24° 5	31° 2	87	98	W	0° 3	W	0° 8	6	—
17	30° 45.5	30° 47.2	35° 0	42° 7	35° 0	49° 2	19° 9	27° 0	98	98	Calm	0	Calm	0	0	0.40
18	30° 51.3	30° 52.0	41° 7	42° 5	41° 7	45° 6	26° 2	26° 5	99	98	Calm	0	Calm	0	10	0.40
19	30° 50.7	30° 41.9	41° 7	41° 7	41° 2	46° 0	26° 2	25° 9	99	98	Calm	0	Calm	0	10	—
20	30° 34.6	30° 28.2	43° 8	48° 5	41° 3	49° 1	27° 8	33° 6	98	99	WSW	1	SW	3	10	0.13
21	30° 14.8	30° 01.2	50° 6	52° 5	48° 4	54° 7	35° 1	35° 2	95	89	SW	3	W	5	10	0.170
22	30° 03.7	29° 04.0	51° 9	46° 2	46° 2	54° 0	37° 8	26° 6	98	86	WSW	1	SW	5	10	0.122
23	29° 86.9	29° 69.9	39° 6	35° 3	33° 2	46° 8	19° 3	18° 6	79	91	W	3	SW	3	9	0.050
24	29° 61.0	29° 50.8	36° 2	33° 6	33° 6	42° 1	19° 7	18° 8	93	97	W	1	W	1	8	—
25	29° 37.9	29° 66.5	33° 0	33° 6	27° 7	36° 7	15° 8	18° 6	85	96	NW	5	W	2	1	0.150
26	30° 00.5	30° 13.4	32° 2	31° 4	31° 2	43° 3	16° 0	16° 2	88	94	NW	1	NW	1	1	—
27	30° 08.5	29° 89.5	33° 8	32° 8	31° 0	41° 4	17° 7	25° 2	91	99	E	1	S	4	10	0.485
28	29° 71.0	29° 95.0	44° 0	32° 8	32° 7	44° 6	28° 6	16° 5	99	89	S	3	W	1	10	0.140
29	30° 12.9	30° 23.0	32° 5	32° 0	30° 0	44° 2	17° 1	16° 7	94	92	Calm	0	Calm	0	0	—
30	30° 30.7	30° 40.9	26° 7	30° 2	25° 3	38° 1	14° 5	16° 2	100	97	Calm	0	W	1	10	—
31	30° 51.6	30° 60.7	28° 3	32° 1	27° 4	37° 9	14° 0	17° 0	91	94	Calm	0	NW	1	0	—
Means	30° 19.4	30° 18.9	38° 5	39° 5	35° 6	45° 0	22° 7	23° 7	94° 2	95° 1	0° 8	1° 1	7° 4	7° 5	1° 898	

STRATHFIELD TURGIS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30° 35.2	30° 29.2	33° 0	43° 1	28° 9	44° 6	17° 1	25° 0	91	89	Calm	0	W	1	10	0.025
2	30° 38.0	30° 40.4	44° 9	46° 9	40° 5	48° 0	28° 6	30° 3	96	95	SW	1	W	1	10	—
3	30° 30.9	30° 06.4	42° 5	46° 9	40° 1	47° 3	24° 6	30° 8	90	97	SW	1	W	1	10	0.350
4	29° 91.1	29° 11.6	48° 1	45° 3	45° 0	49° 6	32° 9	29° 3	98	97	S	1	NE	1	10	0.094
5	30° 19.2	30° 09.6	43° 4	44° 9	41° 3	47° 1	26° 8	27° 9	95	94	E	1	E	1	10	0.028
6	30° 05.7	29° 01.7	44° 0	41° 4	39° 8	50° 4	26° 5	22° 6	92	88	W	1	SW	1	9	—
7	29° 63.2	29° 47.1	38° 6	34° 3	33° 0	43° 6	20° 6	18° 2	89	91	SW	1	N	1	0	0.015
8	29° 77.7	30° 00.7	37° 7	38° 3	32° 6	41° 1	19° 5	18° 1	86	78	NE	2	NE	1	9	—
9	30° 19.0	30° 29.2	35° 4	37° 9	34° 0	39° 7	17° 4	20° 8	84	91	N	2	N	1	6	—
10	30° 33.3	30° 43.9	34° 5	37° 1	30° 1	39° 9	16° 6	20° 1	83	91	NW	1	N	1	10	—
11	30° 64.1	30° 68.9	26° 1	24° 5	23° 6	39° 9	12° 0	13° 2	86	100	Calm	0	Calm	0	0	—
12	30° 70.4	30° 67.1	31° 4	34° 2	21° 7	34° 9	10° 7	15° 4	95	78	Calm	0	W	1	8	—
13	30° 61.9	30° 58.1	38° 0	44° 2	32° 4	44° 9	19° 0	24° 1	83	83	W	1	W	2	10	0.015
14	30° 45.5	30° 34.2	45° 9	45° 6	40° 0	49° 6	26° 5	26° 8	87	88	SW	2	W	1	8	—
15	30° 33.3	30° 29.8	48° 5	47° 6	43° 1	51° 7	29° 8	29° 0	89	89	Calm	0	Calm	0	7	—
16	30° 28.0	30° 29.8	45° 0	49° 1	39° 7	51° 8	25° 4	29° 6	85	85	SW	1	W	1	2	—
17	30° 44.0	30° 47.3	41° 1	42° 5	38° 6	47° 1	19° 8	24° 6	77	90	Calm	0	W	1	0	—
18	30° 51.8	30° 51.6	40° 4	42° 1	38° 8	44° 9	24° 2	25° 5	97	95	Calm	0	Calm	0	10	—
19	30° 50.0	30° 43.4	40° 9	40° 9	39° 0	46° 9	24° 5	23° 8	96	94	SW	1	S	1	9	—
20	30° 56.6	30° 51.7	45° 0	47° 6	40° 0	47° 9	25° 4	31° 5	85	96	S	2	SW	3	10	0.038
21	30° 15.6	30° 04.5	51° 6	52° 6	46° 2	53° 6	34° 5	32° 8	90	82	SW	3	SW	2	10	0.029
22	30° 04.8	29° 02.8	52° 2	47° 6	47° 3	54° 1	36° 4	27° 7	93	85	W	1	SW	2	10	0.045
23	29° 88.5	29° 07.1	40° 0	35° 7	35° 0	49° 5	18° 8	17° 0	76	86	W	3	W	2	3	—
24	30° 60.9	30° 48.9	39° 4	37° 0	35° 0	43° 1	17° 9	18° 9	75	86	SW	1	W	1	5	—
25	30° 43.0	30° 64.6	35° 0	32° 6	26° 6	37° 5	14° 8	14° 9	72	82	NW	2	NW	2	2	0.140
26	29° 96.9	30° 11.9	35° 1	31° 9	31° 5	42° 1	16° 6	15° 9	80	88	NW	1	Calm	0	10	—
27	30° 11.6	29° 93.7	32° 5	40° 1	27° 4	40° 3	14° 0	22° 7	79	92	Calm	0	SE	2	10	0.151
28	29° 73.5	29° 93.9	42° 9	33° 9	33° 4	44° 9	26° 0	16° 1	95	82	S	1	NW	1	10	0.190
29	30° 10.8	30° 20.4	34° 4	31° 5	30° 3	42° 9	16° 6	16° 5	83	94	Calm	0	Calm	0	0	—
30	30° 28.2	30° 37.5	28° 5	29° 8	24° 4	39° 1	13° 9	16° 6	85	100	Calm	0	Calm	0	0	—
31	30° 48.8	30° 57.3	30° 3	31° 8	27° 0	38° 1	13° 9	15° 6	83	87	NW	1	N	1	0	—
Means	30° 18.8	30° 18.2	39° 6	40° 0	35° 0	45° 0	21° 9	22° 7	86° 9	89° 5	1° 0	1° 1	6° 2	6° 3	1° 120	

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30° 32.8	30° 30.5	35° 2	42° 0	32° 8	47° 4	in.	in.	190	95	91	W	1	Calm	0	4	10	ins.	a.
2	30° 34.4	30° 39.8	43° 6	41° 6	41° 0	46° 1	25° 9	26° 3	91	100	SW	1	Calm	0	10	2	0.049	p. qp. 0.			
3	30° 32.0	30° 11.0	43° 3	44° 1	37° 8	46° 4	28° 0	26° 0	100	89	SW	1	SW	4	10	10	0.096	in squalls a.			
4	29° 98.5	29° 13.6	42° 0	42° 9	41° 1	44° 6	26° 3	27° 0	98	98	SE	4	Calm	0	10	10	0.031	in squalls a.			
5	30° 18.6	30° 08.2	43° 2	43° 9	42° 0	44° 4	27° 5	28° 7	98	100	Calm	0	Calm	0	10	10	0.046	a. and p.			
6	30° 00.0	29° 87.8	45° 6	43° 1	35° 8	47° 5	29° 9	24° 1	98	86	SW	1	W	2	9	10	—	qp.			
7	29° 61.9	29° 46.9	37° 9	35° 7	35° 0	43° 7	20° 0	105	88	94	SW	3	W	1	6	2	0.083	qp.			
8	29° 66.9	29° 90.8	37° 8	37° 3	34° 2	40° 2	20° 4	199	99	99	NE	4	NE	3	10	8	0.480	p. qp.			
9	30° 09.7	30° 21.7	35° 3	35° 1	32° 8	38° 1	18° 8	174	92	84	NE	5	Calm	0	10	5	0.228	and in squalls a. 0.04. 0 p.			
10	30° 137	30° 423	36° 6	37° 6	34° 1	40° 5	20° 5	144	94	64	N	3	NE	4	8	8	—	before ga. qp.			
11	30° 590	30° 685	35° 7	30° 3	29° 9	38° 6	15° 2	137	74	81	E	3	W	1	0	0	—	p.			
12	30° 650	30° 641	32° 3	35° 1	28° 8	35° 7	15° 1	157	83	76	W	2	W	3	8	10	—	p.			
13	30° 609	30° 547	36° 3	41° 8	34° 2	43° 3	18° 8	237	89	90	SW	2	SW	4	10	6	—	in squalls ga. .			
14	30° 427	30° 271	43° 7	47° 7	41° 2	49° 4	24° 9	276	88	84	SW	6	SW	5	10	9	—	Squally at day with .			
15	30° 267	30° 255	49° 8	48° 2	46° 3	51° 5	28° 4	275	80	83	SW	3	W	6	7	5	—	Squally all day with .			
16	30° 221	30° 225	44° 0	47° 4	43° 5	51° 0	25° 2	286	87	88	W	6	W	6	2	5	—	ga. and qp.			
17	30° 366	30° 440	39° 9	41° 9	38° 2	48° 1	21° 4	231	87	88	NW	4	W	1	1	10	—	p.			
18	30° 482	30° 520	39° 1	38° 4	37° 8	42° 6	21° 5	199	90	82	NW	2	NW	1	9	8	—	in squalls p.			
19	30° 506	30° 448	37° 9	37° 9	32° 9	45° 3	20° 8	208	91	91	SW	2	SW	1	6	8	—	Squally all day with .			
20	30° 387	30° 372	41° 8	44° 1	38° 2	44° 8	23° 1	262	88	90	S	3	SW	6	8	10	0.009	ga. and qp.			
21	30° 165	30° 055	49° 0	49° 0	37° 8	52° 0	31° 7	317	92	92	SW	8	SW	8	10	10	0.021	in squalls p.			
22	30° 068	29° 882	51° 8	50° 5	49° 0	53° 2	35° 1	324	91	89	SW	5	SW	6	10	10	—	Squally a. and p. with .			
23	29° 821	29° 618	42° 0	37° 6	32° 0	51° 2	18° 5	180	70	80	W	6	W	6	2	3	—	Squally all day with .			
24	30° 526	30° 427	36° 9	38° 2	34° 3	42° 5	16° 9	170	78	76	W	4	SW	1	4	5	—	in squalls a. and p.			
25	30° 280	29° 550	34° 2	29° 4	28° 6	39° 1	17° 1	104	86	65	W	6	NW	5	10	1	0.051	before ga. Squalls with 0.04. 0 p.			
26	29° 840	29° 070	36° 0	36° 5	30° 4	44° 0	18° 2	186	87	87	NNW	4	NNW	2	3	4	—	.			
27	29° 190	29° 080	35° 0	39° 0	28° 2	40° 0	19° 3	208	95	88	Calm	0	SE	2	5	9	—	in squalls p.			
28	29° 830	29° 757	40° 0	37° 9	35° 0	42° 3	23° 6	171	96	75	S	5	NW	5	10	10	0.790	in squalls p.			
29	29° 981	29° 081	35° 1	35° 6	29° 2	41° 3	18° 1	193	88	93	NW	2	Calm	0	3	3	0.020	ga. and p. .			
30	30° 201	30° 355	36° 6	37° 2	34° 0	38° 5	16° 0	181	75	81	N	3	NE	4	8	0	—	before ga. .			
31	30° 408	30° 519	35° 9	38° 3	34° 3	41° 4	19° 4	187	92	81	N	1	NE	4	3	10	—	before ga. .			
Means	30° 145	30° 153	39° 8	40° 2	36° 1	44° 2	22° 1	218	88° 7	85° 7	3° 2	2° 9	7° 0	6° 8	1° 904						

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.

JANUARY 1878.

Day	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30° 363	30° 363	37° 1	44° 9	34° 0	44° 9	in.	in.	NE 1	SSW 2	1	10	ins.	ga. aft. and evening.
2	30° 373	30° 397	45° 0	45° 5	43° 1	45° 9	283	303	94	99	WSW 3	Calm 0	10	9	0°20	
3	30° 345	30° 373	45° 4	45° 0	42° 5	47° 0	302	245	99	82	SW 1	SSW 4	10	10	0°20	a. and p.
4	30° 383	30° 399	45° 0	44° 2	43° 3	46° 0	297	290	99	100	SSW 1	SE 0-1	10	10	0°15	a. and p.
5	30° 177	30° 102	43° 6	46° 8	42° 5	47° 0	284	318	100	99	E 0-1	SSW 1	10	10	0°20	a. and p.
6	30° 050	29° 038	45° 1	43° 0	42° 3	47° 5	301	231	100	83	NW 1	W 4	10	10	—	ga. and before. [clear after.
7	29° 668	29° 496	39° 8	34° 5	34° 2	44° 6	223	198	92	99	W 2	N 0-1	4	0	0°30	Overcast till about 6p., then ☉ ² and
8	29° 681	29° 914	36° 8	35° 1	34° 4	40° 0	203	190	93	93	NNE 4	N 6	8	1	0°30	
9	30° 126	30° 237	32° 5	31° 7	31° 2	37° 6	182	170	99	95	N-NNE 3	N 2	9	1	0°15	☉ ⁰ a. and p.
10	29° 256	29° 407	33° 7	34° 8	31° 4	40° 2	192	152	92	75	N 4	NE 2	9	9	—	☉ ⁰ (very slight) at times.
11	29° 594	29° 689	33° 3	33° 1	32° 6	38° 2	161	164	85	87	NE 2	S 2	4	1	—	Fine.
12	29° 681	29° 663	33° 0	35° 2	30° 6	37° 8	133	154	71	74	NW 1	S 1	9	9	—	ga.
13	29° 650	29° 604	39° 5	43° 6	34° 4	44° 5	178	253	74	89	WSW 3	WSW 5	10	10	0°15	
14	29° 491	29° 341	46° 2	47° 1	43° 0	48° 0	262	286	85	89	WSW 6	W 6	10	10	0°10	
15	29° 331	29° 316	46° 7	44° 3	44° 1	51° 5	304	266	96	92	W 3	W 3	10	2	—	
16	29° 285	29° 285	45° 8	45° 6	41° 5	49° 7	258	287	84	94	W 5	W 2-3	8	2	—	
17	29° 406	29° 460	39° 8	38° 6	37° 7	46° 6	196	208	80	90	W 1	N 0-1	0	1	—	Fine day.
18	29° 501	29° 527	39° 0	39° 3	36° 4	46° 5	193	197	82	83	NE 2	ESE 1	0	10	—	ga. Fine day.
19	29° 523	29° 478	37° 3	43° 2	36° 2	44° 8	211	214	95	77	SW 1	SW 1	3	10	—	ga. Fine day.
20	29° 417	29° 407	44° 5	45° 3	41° 4	45° 3	257	270	88	89	SW 2	SW 5	9	10	—	Roar of sea very distinct.
21	29° 240	29° 123	48° 0	49° 0	47° 7	49° 5	307	327	92	94	SW 6	SW 7	10	10	0°15	Evening observations at 9.30p.
22	30° 090	29° 061	49° 9	48° 6	48° 0	50° 0	349	333	97	93	WSW 7	SW-WSW 7-8	10	10	0°50	p.
23	29° 895	29° 684	40° 4	36° 7	36° 7	49° 1	198	193	80	89	W 5	W 7	0	9	0°20	p. (communicated).
24	29° 616	29° 456	38° 0	37° 6	34° 4	42° 0	185	184	81	81	W 5	N 1	9	8	0°40	Fine day.
25	29° 376	29° 624	34° 6	29° 7	28° 9	38° 5	168	151	83	91	WNW 4-5	NW 4	2	1	0°30	☉ ² 8.40a.—ga.
26	29° 896	29° 104	36° 0	35° 5	29° 0	41° 0	172	186	81	90	N 5	N 1	1	0	—	☉ before ga. Fine day.
27	30° 132	30° 025	36° 2	41° 0	33° 6	42° 0	180	204	85	80	E 1	S-SSE 4	8	10	0°20	☉ 0.30p. ga.
28	29° 801	29° 887	40° 3	36° 6	36° 0	42° 0	229	175	92	82	SSW 3	NW 5	10	0	0°80	Roar of sea distinct, ga. ☉ ² till about 4p., then wind went to NW and it became fine.
29	30° 065	30° 149	34° 1	34° 4	31° 0	41° 3	166	173	83	86	NW 2	NNE 3	0	0	—	Fine, but cold.
30	30° 234	30° 296	31° 9	34° 1	30° 3	37° 6	162	173	90	87	N 2	NNE 5	1	8	—	ga. ☉ ² in evening.
31	30° 420	30° 518	32° 2	34° 6	30° 9	39° 8	172	188	94	94	N 5	NNE 1	7	10	0°10	☉ before ga. Fine day.
Means	30° 183	30° 181	39° 8	40° 0	36° 8	44° 1	223	223	89° 0	88° 4	3° 0	5° 0	6° 5	6° 5	1° 840	

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.

JANUARY 1878.

1	30° 277	30° 222	40° 0	42° 6	36° 0	42° 6	238	273	97	100	SE 2	SW 2	10	10	010	☼ a. and p.		
2	307	432	43° 0	45° 6	40° 0	47° 2	277	299	100	100	Calm	S 1	10	10	020			
3	30° 269	027	43° 6	46° 6	37° 0	46° 6	284	318	100	100	SW 1	SW 5	10	10	060	☼ all day.		
4	29° 955	126	45° 6	44° 0	42° 5	47° 2	305	265	100	92	SW 2	NE 1	10	10	—			
5	30° 181	30° 096	40° 6	44° 0	39° 0	44° 0	253	288	100	100	Calm	SW 1	10	10	230	☼ all day.		
6	30° 138	29° 990	42° 2	39° 0	38° 4	45° 4	242	238	90	100	NW 2	SW 4	10	10	080			
7	29° 730	29° 520	35° 6	35° 6	32° 6	39° 2	200	196	97	95	NW 4	NW 5	5	5	230	✱ a. and p.		
8	29° 824	30° 072	34° 0	33° 6	32° 0	37° 0	168	160	85	83	NE 5	NE 4	10	2	—			
9	30° 229	338	31° 8	32° 2	30° 5	35° 2	160	164	90	90	NE 1	NE 2	10	5	—			
10	389	471	29° 0	31° 0	27° 8	36° 0	148	174	93	100	NE 1	Calm	0	0	—			
11	622	675	30° 2	27° 8	27° 5	39° 6	163	139	97	92	NE 1	Calm	0	0	—	Damp disagreeable weather.		
12	717	680	28° 2	33° 0	25° 0	33° 4	137	158	89	85	Calm	0	Calm	0	10		10	
13	646	649	36° 4	39° 8	32° 4	39° 8	196	229	91	94	WNW 3	W 1	10	10	040	☼ all day.		
14	518	446	41° 8	44° 0	39° 0	44° 0	265	288	100	100	W 5	NW 6	10	10	010			
15	466	445	43° 4	41° 8	41° 0	46° 8	272	234	97	89	NW 5	NW 5	10	6	—	☼ Squalls before ga.		
16	420	423	42° 0	43° 8	41° 0	44° 4	245	286	92	100	NW 7	W 5	10	10	110			
17	487	520	44° 8	43° 4	42° 5	45° 4	297	281	100	100	Calm	0	Calm	0	10	10	090	☼ all day. Temp. rising for a north-
18	504	510	39° 4	37° 4	37° 0	48° 4	241	212	100	94	NW 2	Calm	0	10	9	—		
19	464	384	37° 2	42° 4	36° 5	44° 6	218	271	98	100	W 1	SW 4	9	10	330	☼ Fine morning.		
20	324	289	42° 4	46° 4	41° 0	46° 6	271	316	100	100	SW 2	SW 5	10	10	560			
21	201	101	47° 4	48° 2	46° 4	48° 2	328	338	100	100	SW 4	SW 7	10	10	780	☼ all day.		
22	056	024	48° 2	42° 4	41° 6	48° 6	338	271	100	100	SW 2	SW 5	10	10	380			
23	30° 048	29° 887	34° 8	34° 0	31° 5	43° 0	186	183	92	93	NW 5	NW 7	6	7	680	✱ showers all day.		
24	29° 690	612	37° 8	33° 0	32° 0	41° 6	218	188	97	100	NW 3	NW 2	10	10	450			
25	29° 658	29° 856	32° 4	32° 4	25° 6	34° 0	142	170	77	93	N 4	NW 7	6	10	140	✱ a. and p.		
26	30° 086	30° 123	34° 8	35° 4	32° 0	39° 0	189	200	94	96	NW 2	Calm	0	10	050			
27	30° 028	29° 870	39° 4	43° 4	34° 4	44° 4	241	281	100	100	SW 3	Calm	0	10	10	770	☼ all day.	
28	29° 804	30° 063	37° 4	31° 8	30° 6	43° 8	204	179	91	100	NW 4	NW 2	9	0	100			
29	30° 187	247	33° 4	32° 4	30° 5	40° 0	162	170	85	93	NW 1	NW 1	0	0	—			
30	265	399	30° 4	27° 8	26° 5	38° 0	144	152	85	100	NE 1	NE 4	0	0	—			
31	30° 495	574	31° 4	28° 4	26° 2	36° 0	152	126	87	82	NE 1	NE 3	5	0	—			
Means	30° 227	30° 228	38° 0	38° 0	34° 6	42° 2	222	225	94° 3	95° 8	2° 4	2° 9	8° 1	7° 2	5° 750			

BABBACOMBE.

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

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30° 295	30° 336	41° 2	47° 1	35° 2	47° 1	252	287	97	89	SSW 1	S 4	10	10	ins. —	⌈ n. ☁ a. and p.
2	378	405	46° 0	40° 9	40° 9	52° 2	289	249	94	88	SSW 2	WSW 1	5	0	—	—	☁ ga. and p. ☁ after 5p.	
3	30° 284	° 021	44° 4	40° 3	37° 3	49° 4	293	340	100	98	SSW 2	SW 4	10	10	° 050	—	☁ ga. and before. ☁ p.	
4	29° 949	° 105	49° 0	47° 5	47° 5	53° 2	335	294	97	91	NNW 2	NNE 4	1	10	—	—	☁ p. "Interference" pink and green colours at upper edge of cir-s. cloud in S. at 0.15p.	
5	30° 179	30° 099	45° 0	46° 3	45° 0	47° 7	295	315	98	100	Calm 0	SW 1	10	10	° 230	—	☁ before ga. ☁ 9p.	
6	30° 117	29° 975	45° 3	43° 7	43° 7	47° 3	281	249	93	84	Calm 0	WSW 2	10	10	° 050	—	—	
7	29° 701	29° 512	39° 7	38° 0	38° 0	45° 6	218	213	89	93	W 3	NW 2	3	10	° 200	—	8.45a. and 2.50p. Squalls p.	
8	29° 833	30° 073	38° 9	39° 9	36° 9	42° 8	188	180	81	73	NNE 5	NNE 6	9	9	—	—	—	
9	30° 219	° 325	37° 2	37° 2	37° 0	41° 4	168	176	76	80	NNE 4	NNE 3	9	10	—	—	Squalls ga. and before.	
10	° 394	° 455	31° 9	34° 0	31° 0	42° 8	154	160	86	81	NNW 1	NNW 2	2	2	—	—	—	
11	° 609	° 677	38° 6	39° 4	34° 0	40° 6	192	154	82	75	NNE 2	Calm 0	4	4	—	—	☁ p.	
12	° 718	° 679	29° 3	34° 7	24° 4	37° 6	134	170	83	84	Calm 0	W 1	5	10	—	—	☁ ² to 9.30a., and ice 0° 4 in. thick	
13	° 641	° 638	42° 0	43° 9	34° 6	47° 8	219	253	83	88	WSW 3	WSW 3	9	3	—	—	☁ p.	
14	° 528	° 453	47° 2	47° 3	43° 2	49° 4	286	290	89	92	WSW 4	W 4	10	9	—	—	—	
15	° 463	° 446	48° 8	47° 4	47° 2	54° 8	295	257	86	79	WNW 2	WNW 2	9	9	—	—	—	
16	° 412	° 410	48° 0	48° 8	45° 7	51° 9	251	309	75	91	WNW 3	WNW 4	9	8	—	—	—	
17	° 479	° 493	48° 4	46° 9	46° 5	51° 6	319	292	94	92	WNW 1	NNW 3	9	8	—	—	☁ ga. and p. Visibility p.	
18	° 516	° 502	42° 5	43° 9	40° 8	51° 7	261	271	96	95	NNW 1	Calm 0	6	10	—	—	☁ ga. and before. ☁ ² p. Wind [N.E. 2p., S.E. at 7p	
19	° 491	° 409	40° 5	44° 4	37° 8	51° 0	250	278	99	95	Calm 0	SW 2	9	10	—	—	☁ ga. and before. ☁ p.	
20	° 363	° 292	46° 4	50° 5	44° 3	50° 5	252	343	93	94	SW 3	SW 6	10	10	° 030	—	[U 10p.—10.15p	
21	° 193	30° 103	50° 9	51° 2	50° 2	52° 4	362	361	98	96	WSW 6	WSW 8	10	10	° 090	—	☁ in squalls p.	
22	30° 049	29° 993	51° 5	47° 3	46° 8	52° 1	378	292	100	99	WSW 5	W 7	10	8	° 110	—	☁ in squalls n. and p.	
23	29° 967	° 800	39° 4	37° 9	30° 8	47° 8	199	200	83	88	W 7	WNW 6	7	6	° 260	—	☁ in squalls a. Showers of ☼	
24	° 665	° 600	41° 6	35° 9	35° 9	45° 2	241	199	92	95	W 1	NNW 1	10	8	° 140	—	[with ☼ at times p. ☼ 7.14p. ☼ to ga. ☼ 9.15—10a. "Pocky" cloud 2.35p	
25	29° 609	29° 822	36° 9	38° 1	29° 3	39° 8	173	172	79	74	NW 3	NW 5	2	2	° 090	—	☼ ☼ showers to 4p. ☼ mid-day	
26	30° 063	30° 124	40° 9	39° 0	37° 8	47° 0	209	206	82	87	NNW 2	W 1	4	10	—	—	Squalls before ga. ☁ p. ☼ 5p.—8p	
27	30° 044	29° 876	42° 5	46° 8	37° 1	47° 2	257	316	94	98	SSW 1	SSW 2	10	10	° 570	—	☁ and drizzle all day.	
28	29° 787	30° 051	41° 4	35° 3	34° 3	46° 8	219	173	85	84	NNW 3	WNW 2	2	1	° 030	—	☁ before ga. ☼ ☼ 5.40p.—5.45p.	
29	30° 189	° 235	39° 5	35° 4	34° 8	45° 9	189	182	79	88	NNW 2	Calm 0	1	0	—	—	☁ p.	
30	° 290	° 398	35° 3	36° 0	29° 8	41° 6	182	179	89	85	NE 2	NE 3	1	0	—	—	☁ before ga. ☼ ² a.	
31	30° 508	30° 586	35° 3	35° 1	33° 0	40° 8	170	168	81	81	NNE 2	NNE 4	1	1	—	—	☁ a. ☁ p.	
Means	30° 224	30° 220	42° 1	42° 1	38° 6	47° 2	244	243	88° 8	88° 3	2° 4	3° 0	6° 8	7° 0	1° 850	—	—	

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	40.3	43.9	39.4	45.0	.229	.275	92	96	S 2	Calm 0	10	10	ins.	☁ from 8p., unusually dense.
2	30.076	30.154	40.3	43.9	39.4	45.0	.229	.275	92	96	S 2	Calm 0	10	10	.015	☁ a.
3	30.308	30.112	36.2	49.6	32.0	50.4	.212	.337	99	95	Calm 0	SE 3	0	10	.015	☁ a.
4	29.945	29.882	49.9	48.2	47.5	50.9	.338	.325	95	97	WSW 4	Calm 0	10	10	.240	☁ a.
5	30.045	30.104	46.3	47.4	46.0	49.9	.312	.317	99	97	Calm 0	S 2	0	10	.028	☁ a.
6	30.062	29.798	42.4	37.3	37.1	47.4	.247	.216	91	97	Calm 0	NW 4	8	8	.316	☁ a.
7	29.637	29.875	41.4	41.9	35.5	46.2	.217	.206	84	78	NNW 4	ENE 4	5	0	.152	☁ a.
8	30.205	30.381	37.9	39.3	37.6	45.0	.196	.192	86	81	SE 1	N 2	1	8	—	☁ a.
9	.445	.438	37.3	36.6	35.5	41.0	.199	.196	90	91	Calm 0	Calm 0	10	10	—	☁ a.
10	.439	.487	35.1	30.2	29.3	39.0	.169	.151	82	89	Calm 0	Calm 0	10	0	—	☁ a.
11	.560	.580	33.2	38.3	26.7	39.9	.167	.211	88	92	ENE 2	SSE 3	10	10	—	☁ a.
12	.500	.528	38.1	44.9	35.8	45.6	.209	.283	91	95	SSW 2	SW 2	8	10	.070	☁ a.
13	.395	.331	41.1	46.6	36.6	46.6	.216	.285	84	90	SW 2	SW 3	10	10	.180	☁ a.
14	.216	.255	49.9	50.6	44.5	52.2	.340	.356	95	97	WSW 3	SW 2	10	10	.080	☁ a.
15	.292	.259	51.2	49.5	49.3	53.1	.283	.296	75	84	WSW 3	W 4	7	5	.030	☁ a.
16	.251	.402	50.4	45.4	45.1	51.4	.356	.283	97	94	W 2	NW 1	10	10	.161	☁ a.
17	.449	.508	50.3	42.1	41.3	53.2	.331	.262	91	97	W 3	Calm 0	10	6	—	☁ a.
18	.475	30.410	43.1	41.3	38.0	47.4	.256	.224	92	87	SW 2	S 1	10	10	.004	☁ a.
19	.198	29.974	43.6	48.9	39.8	49.4	.259	.316	91	92	SW 4	SW 4	10	10	.242	☁ a.
20	30.037	.692	45.3	52.1	39.1	52.2	.282	.334	93	85	SW 3	WSW 5	10	10	.832	☁ a.
21	29.726	.776	43.8	43.1	43.1	54.6	.279	.244	98	87	Calm 0	WNW 3	10	6	.672	☁ a.
22	.918	.570	37.3	40.4	36.7	45.2	.205	.203	92	81	E 1	SW 4	9	9	.252	☁ a.
23	.549	.649	36.9	37.1	33.5	41.4	.175	.194	80	88	W 4	WNW 6	9	9	.373	☁ a.
24	.559	.569	38.1	38.1	35.2	42.0	.198	.203	86	88	NW 2	WNW 2	10	3	.212	☁ a.
25	29.761	.901	30.5	40.6	29.7	41.6	.166	.217	98	86	N 5	NNW 4	10	10	.242	☁ a.
26	30.071	.890	37.2	40.9	36.4	42.0	.200	.243	90	95	SW 1	S 2	10	10	.360	☁ a.
27	29.753	.725	48.3	37.3	37.1	49.9	.331	.203	98	91	SW 2	Calm 0	10	4	.152	☁ a.
28	29.783	29.936	35.2	35.2	33.0	41.4	.175	.188	86	91	WNW 2	WNW 3	5	9	.213	☁ a.
29	30.169	30.107	34.1	39.1	32.3	44.3	.183	.221	92	93	Calm 0	SW 2	4	10	.038	☁ a.
30	.255	.430	39.8	41.3	37.4	44.8	.224	.241	92	93	SE 2	Calm 0	6	10	—	☁ a.
31	30.589	30.683	32.9	29.9	29.1	45.9	.179	.156	96	94	Calm 0	Calm 0	4	0	.001	☁ a.
Means	30.120	30.109	41.2	42.1	37.6	46.8	.240	.248	90.7	90.8	1.8	2.2	7.9	8.0	5.118	

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

JANUARY 1878.

1	30°162	30°156	42°2	46°9	39°7	48°3	.247	.303	92	94	SSE 1	WSW 1	9	6	.079	☁ 9p.
2	.355	30°240	41°6	49°5	41°1	50°6	.252	.315	95	89	SW 1	SW 2	2	4	—	☁ a. and p.
3	.054	29°876	50°6	50°2	47°6	51°6	.303	.354	82	98	SW 4	WSW 2	8	10	.318	Brilliant sunrise, but ☉ from 10a.
4	.064	30°174	48°2	47°4	47°2	50°6	.332	.317	99	97	Calm 0	E 1	10	10	.057	☁ a. and p.
5	.102	30°076	47°2	48°1	46°6	51°5	.318	.311	98	93	SE 1	W 2	10	10	.011	☁ till 9a. Wind veered to WNW.
6	30°096	29°837	44°3	40°4	40°0	48°6	.263	.209	91	83	WhyN2	WhyN6	9	3	.031	☁ in squalls p.
7	29°579	29°727	38°9	40°4	36°9	43°5	.204	.203	87	87	WNW 5	NNW 4	4	6	.134	Squalls before 9a. ☁ Δ ² after 3p.
8	30°118	30°316	40°3	39°8	38°7	43°6	.206	.188	83	77	NNE 3	NNE 3	7	6	—	
9	.404	.439	37°5	35°0	34°6	40°2	.176	.157	78	77	N 2	NW 1	10	8	—	
10	.440	.522	37°2	36°8	34°4	38°9	.172	.172	78	79	NW 1	Calm 0	10	10	—	
11	.604	.635	29°3	34°1	28°2	36°8	.131	.177	82	89	Calm 0	Calm 0	1	6	—	☁ a. and p.
12	.584	.440	40°8	44°2	31°2	44°7	.209	.242	82	83	SW 4	SW 6	7	5	.012	☁ 8a. ☁ in squalls p.
13	.470	.423	42°4	47°4	40°9	47°7	.231	.279	86	86	WSW 3	WhyS 4	6	6	.018	☁ in squalls a. and p. Perfect ☉
14	.300	.305	50°2	51°3	47°4	51°8	.289	.344	80	91	WSW 4	WhyS 4	7	10	.034	☁ in squalls p.
15	.346	.313	50°1	49°8	49°1	53°2	.294	.290	81	82	WhyS 4	W 5	9	5	—	☁ in squalls p.
16	.271	.413	50°3	47°8	47°4	52°3	.306	.274	84	83	W 5	W 3	10	9	.037	☁ in squalls a.
17	.466	.520	49°2	45°0	44°6	51°6	.320	.275	95	92	W 2	W 3	10	6	—	☁ a. ☉ 7:30p.
18	.521	.478	44°1	41°8	41°0	47°6	.243	.211	83	80	SW 1	SW 2	8	8	—	Partial ☉ 1p.
19	.354	30°126	45°0	50°1	40°0	50°5	.237	.290	79	80	S 3	SSW 5	7	10	.016	☁ p.
20	30°171	29°834	45°1	52°7	43°1	54°8	.254	.307	85	77	SW 3	SW 8	9	7	.010	Squally with ☁ ² p.
21	29°825	.758	54°1	55°2	52°7	56°7	.384	.393	91	90	WSW 5	WSW 6	10	10	.172	Very warm (55°6) n. ☁ in squalls all
22	.924	.638	42°7	47°0	41°2	55°7	.241	.260	88	81	SE 1	WSW 7	10	10	.030	☁ a. and p. ☁ rising to a gale 8p.
23	.666	.679	37°5	35°9	34°3	47°4	.181	.178	81	84	W 7	W 7	5	3	.140	☁ showers with ☁ in squalls a.
24	.583	.576	37°3	37°2	35°2	39°7	.197	.204	89	92	W 3	W 2	6	10	.080	☁ before 9a. ☁ in afternoon.
25	29°699	29°933	32°1	36°7	30°8	37°6	.179	.161	98	74	NNW 5	W 4	10	6	.010	☁ with squalls before 9a. ☁ ² Δ ² [showers, with squalls, 9a. Frost set in 9:30a.
26	30°115	30°008	36°0	38°4	34°2	40°2	.193	.222	91	96	W 2	Calm 0	5	10	.282	☁ 9p.
27	29°851	29°716	47°1	46°1	38°2	51°4	.305	.286	94	92	SW 1	WSW 4	10	10	.076	Much warmer, but damp.
28	29°801	29°961	35°6	36°4	35°2	46°5	.183	.185	87	86	W 3	W 4	1	5	—	Showers of ☁ ⁰ ☉ 4p.
29	30°193	30°194	35°1	34°2	33°0	41°9	.173	.180	84	90	W 3	Calm 0	4	2	.010	☁ 9p.
30	.203	.458	40°5	36°1	34°0	44°2	.237	.198	94	93	SE 1	Calm 0	8	6	—	☁ p.
31	30°605	30°602	30°0	33°9	28°0	41°1	.153	.179	92	90	W 1	Calm 0	6	0	—	☁ a. and p. Calm and frosty even- [ing. Bar. 30°707 at 10.30p.
Means	30°161	30°144	42°0	43°1	39°2	47°1	.239	.247	87.4	86.4	2.6	3.1	7.4	7.0	1.557	

BIRR CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. 7° 55' W. Lat. 53° 6' N.

JANUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	42.4	44.0	37.1	47.5	.259	.283	95	98	SE 1	Calm 0	10	10	ins.	☁ from 8p., unusually dense. a.
2	30.107	30.170	41.4	50.0	40.6	51.3	.254	.337	98	94	SE 1	SE 1	10	10	.084	
3	.333	30.225	48.7	49.0	46.9	51.4	.336	.348	98	100	SSE 1	SSE 0.5	10	10	.505	☁ a.
4	.044	29.904	48.7	46.8	46.7	50.5	.324	.318	94	100	Calm 0	Calm 0	10	10	.053	
5	.075	30.142	48.7	47.0	45.0	51.5	.344	.313	100	97	SW 1	SW 0.5	10	10	.014	
6	.099	30.117	43.1	40.9	40.0	47.9	.265	.211	95	84	SW 0.5	WSW 2	10	10	.038	
7	30.135	29.893	36.7	40.4	36.2	43.7	.202	.214	93	86	WNW 2	NNW 3	2	2	.074	
8	29.713	29.804	34.1	37.2	33.7	42.7	.189	.204	96	92	NNE 1	NNW 1	1	10	—	
9	30.181	30.351	30.6	33.7	29.3	38.3	.164	.178	96	91	Calm 0	Calm 0	10	10	.001	
10	.443	.455	31.7	27.6	27.4	37.9	.155	.132	87	88	Calm 0	Calm 0	10	0	—	
11	.470	.508	34.1	38.0	26.3	39.8	.169	.194	85	85	SSE 1	SE 0.5	10	10	—	
12	.584	.615	39.0	44.7	32.9	45.0	.212	.257	90	87	SSE 1	SSW 2	10	10	.048	
13	.574	.422	41.6	47.0	41.3	47.9	.259	.298	85	93	SW 1	SW 2	7	9	.100	Small ☽ with prismatic colours, 9p. ☁ 9p.
14	.477	.435	40.3	50.2	46.2	51.4	.299	.356	98	98	SW 3	SW 2	2	10	.016	
15	.336	30.250	46.3	45.0	51.6	.291	.285	83	90	W 1	WSW 3	10	5	—	Fine ☽ from 8p.	
16	.395	.377	49.3	46.6	45.0	51.6	.291	.285	83	90	W 1	WSW 3	10	5		—
17	.336	30.250	49.3	46.6	45.0	51.6	.291	.285	83	90	W 1	WSW 3	10	5	—	
18	.515	.540	47.3	40.7	39.4	51.6	.307	.252	95	99	Calm 0	SW 0.5	10	8	—	
19	.533	.458	42.1	36.4	34.8	46.2	.240	.197	90	92	SW 1	Calm 0	10	10	—	
20	.290	30.065	44.6	48.0	35.5	50.5	.272	.319	93	96	SE 1	SW 0.5	10	10	.148	
21	30.165	29.885	43.7	51.2	39.8	53.5	.254	.340	88	91	SW 1	SW 4	10	10	.055	☁ Squally, 9p. ☁ in squalls, p. ☁ in squalls all day. ☁ Squally before 9a. ☁ showers.
22	29.842	.809	54.0	53.0	50.6	56.1	.380	.374	91	93	W 4	WNW 5	10	9	.164	
23	.917	.703	40.0	43.0	39.2	54.1	.241	.236	98	85	Calm 0	SW 5-6	10	6	.253	
24	.724	.761	36.0	36.6	33.0	44.2	.201	.186	95	86	W 4	W 5-6	9	10	.153	
25	.619	29.620	37.8	36.7	35.3	40.5	.218	.210	97	97	Calm 0	W 0.5	10	10	.168	
26	29.793	30.040	32.3	35.1	33.8	38.3	.146	.173	80	84	WNW 3	WNW 2	7	0	.013	
27	30.129	29.973	35.7	40.3	33.3	42.3	.196	.243	93	98	Calm 0	SSW 1	10	10	.300	
28	29.846	29.770	48.2	41.1	40.0	51.5	.334	.247	100	96	WSW 1	W 0.5	10	8	.213	
29	29.856	30.022	33.3	34.7	30.8	42.5	.178	.196	93	97	Calm 0	WNW 1	2	10	.056	
30	.226	.144	32.7	39.1	30.8	43.7	.182	.219	98	92	SSE 0.5	W 0.5	6	10	.170	
31	.243	.445	42.5	38.0	37.7	47.0	.257	.212	94	93	SSE 2	Calm 0	6	9	—	
31	30.598	30.695	30.1	29.8	28.7	45.5	.162	.160	97	97	Calm 0	Calm 0	4	0	—	☁ after 10p.
Means	30.181	30.165	41.0	41.8	37.4	47.0	.245	.253	93.0	92.7	1.1	1.5	8.5	8.3	2.858	

DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.		
1	ins.	ins.	38°	38°	27°	42°	in.	in.	%	%	WNW 0.8	WNW 0.8	0	10	ins.	
2	30°540	30°467	38°	38°	27°	42°	199	208	84	91	NW 0.8	NW 0.8	9	0	—	
3	30°470	30°501	38°	38°	27°	42°	212	186	82	92	NW 0.8	NW 0.8	10	10	—	
4	30°515	30°518	38°	38°	27°	42°	217	199	86	90	WSW 0.7	SW 0.8	10	10	—	
5	30°523	30°534	38°	38°	27°	42°	217	213	89	91	SW 1.1	SW 0.8	10	10	—	
6	30°502	30°480	38°	38°	27°	42°	217	185	89	86	SSW 1.1	SSW 1.4	0	0	—	
7	30°486	30°499	38°	38°	27°	42°	219	210	88	86	SSW 0.9	SSW 1.7	4	2	—	
8	30°535	30°442	38°	38°	27°	42°	205	197	78	66	NW 0.7	Calm	7	0	—	
9	30°263	30°071	34°	31°	26°	26°	184	174	93	97	SW 0.4	SW 0.4	0	10	—	
10	29°935	29°915	36°	34°	31°	41°	207	182	96	91	SW 0.3	WNW 0.6	10	5	—	
11	29°999	30°107	36°	36°	32°	41°	188	189	88	86	Calm	NE 0.5	10	10	—	
12	30°235	30°159	37°	35°	33°	40°	207	175	93	82	SE 0.5	S 1.7	10	10	—	
13	29°912	29°895	34°	34°	31°	41°	194	200	97	99	SE 0.3	NE 0.5	10	10	—	
14	30°915	30°826	41°	42°	34°	42°	258	272	100	99	E 0.9	S 0.8	10	10	—	
15	29°961	29°907	38°	44°	33°	46°	221	248	96	86	SW 0.5	SW 2.0	1	0	—	
16	30°013	30°024	44°	50°	43°	51°	260	312	89	85	S 1.6	SSW 4.3	6	8	—	
17	29°945	29°794	49°	47°	45°	57°	301	274	85	85	S 4.7	SSE 1.8	9	7	—	
18	29°881	29°159	47°	42°	39°	51°	237	219	73	81	SW 4.0	WSW 2.4	0	0	—	
19	30°345	30°153	41°	41°	33°	47°	226	236	87	90	SSW 1.8	S 1.2	10	9	—	
20	30°225	30°179	45°	44°	39°	51°	273	239	89	81	S 3.0	W 0.8	10	8	—	
21	30°405	30°488	48°	48°	38°	55°	311	277	80	82	WNW 1.1	W 0.7	10	7	—	
22	30°507	30°450	48°	38°	37°	53°	270	210	81	92	WSW 0.8	S 0.4	6	0	—	
23	30°293	30°237	45°	42°	33°	53°	255	236	85	88	S 0.5	SW 0.5	8	0	—	
24	30°168	30°068	46°	43°	31°	53°	229	240	74	85	SW 0.7	W 0.6	7	10	—	
25	29°967	29°914	43°	41°	36°	48°	206	206	72	78	W 4.8	WNW 2.9	4	8	—	
26	30°963	30°840	44°	44°	39°	47°	235	254	80	87	WSW 0.9	SSW 1.8	10	10	—	
27	30°693	30°574	45°	45°	44°	53°	285	293	94	97	S 3.0	S 0.5	10	2	—	
28	29°695	29°639	48°	47°	43°	52°	273	275	80	84	SW 3.0	SW 1.3	6	0	—	
Means	30°183	30°155	42°	40°	35°	47°	234	225	85°	88°	1°	1°	7°	5°	1°	132

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	30°620	30°520	34°	43°	28°	43°	190	245	95	88	Calm	Calm	3	5	—	
2	30°479	30°434	39°	44°	37°	48°	228	265	96	92	Calm	NNE 2	10	2	—	
3	30°484	30°526	37°	37°	35°	44°	221	224	100	100	Calm	Calm	10	10	—	
4	30°526	30°538	38°	38°	37°	41°	226	217	94	93	Calm	Calm	10	10	—	
5	30°541	30°531	41°	39°	38°	42°	225	226	88	92	WSW 3	W 1	10	10	—	
6	30°502	30°489	39°	41°	36°	41°	209	234	88	90	SE 4	S 2	6	0	—	
7	30°529	30°566	44°	41°	41°	49°	263	235	91	92	WNW 3	N 1	7	2	—	
8	30°586	30°562	35°	32°	29°	49°	196	175	95	95	N 1	N 1	1	4	—	
9	30°279	30°063	40°	40°	30°	40°	217	217	88	88	S 2	S 2	10	10	—	
10	29°948	29°931	43°	38°	36°	45°	240	221	86	94	SSE 3	SSE 1	10	10	—	
11	29°961	30°026	37°	41°	35°	45°	214	210	97	82	SSW 1	E 1	5	10	—	
12	30°152	30°053	38°	39°	36°	41°	209	209	89	86	SE 4	SSE 5	9	10	—	
13	29°720	29°780	41°	40°	30°	42°	246	220	93	90	SSE 4	E 3	10	10	—	
14	30°816	30°820	42°	41°	37°	43°	246	242	92	94	ESE 4	S 2	10	10	—	
15	30°864	30°898	44°	45°	39°	48°	259	269	90	88	S 2	SW 4	10	4	—	
16	30°943	30°910	46°	47°	39°	49°	312	322	100	96	SW 5-7	SW 6	10	10	—	
17	30°924	30°777	46°	46°	44°	51°	318	304	98	95	S 6	W 5	9	10	—	
18	30°898	30°196	45°	43°	41°	50°	250	241	83	86	W 6	W 2	7	2	—	
19	30°312	30°074	41°	40°	32°	47°	263	276	100	90	NW 2	S 4	10	10	—	
20	29°978	29°324	42°	44°	41°	52°	252	249	92	85	SW 5	W 4	10	2	—	
21	30°503	30°612	42°	47°	41°	51°	260	299	94	92	W 3	W 2	10	10	—	
22	30°591	30°502	45°	44°	43°	47°	248	269	82	92	W 2	W 1	10	10	—	
23	30°557	30°525	44°	45°	42°	47°	266	294	90	98	WSW 3	Calm	4	4	—	
24	30°216	30°110	45°	46°	40°	49°	288	311	96	100	WNW 1	W 1	9	10	—	
25	30°085	30°002	43°	45°	38°	48°	224	275	83	92	WNW 2	WNW 3	5	3	—	
26	29°980	29°824	46°	47°	41°	48°	293	323	93	100	W 5	W 5	10	10	—	
27	30°636	30°556	47°	46°	44°	48°	318	317	99	100	SW 5	W 1	10	5	—	
28	29°683	29°694	46°	45°	44°	44°	297	297	100	88	SW 1	NW 1	10	2	—	
Means	30°183	30°164	42°	42°	38°	46°	250	257	92°	92°	2°	2°	8°	7°	3°	512

WAKEFIELD.

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

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.		
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.	
1	30°590	30°484	32°6	37°3	29°2	43°4	·161	·199	89	90	Calm	o	NNW 1	o	10	—
2	·442	·472	39°1	36°3	36°0	43°9	·213	·193	89	91	Calm	o	Calm	o	10	2
3	·514	·528	40°7	40°1	35°0	43°4	·218	·225	86	91	Calm	o	Calm	o	10	10
4	·539	·569	38°1	39°9	37°4	43°7	·209	·190	91	77	WSW 1	Calm	o	10	10	—
5	·588	·603	39°1	39°1	37°5	42°5	·193	·180	81	76	Calm	o	Calm	o	8	10
6	·557	·534	34°3	33°7	32°8	40°5	·172	·170	86	87	SSW 2	WSW 2	10	2	—	—
7	·562	·581	32°7	39°1	30°0	46°9	·170	·215	92	91	WSW 1	Calm	o	o	o	—
8	·608	·475	36°9	35°1	34°0	46°9	·206	·193	94	94	Calm	o	Calm	o	1	0
9	30°364	30°100	28°0	33°3	26°4	35°1	·153	·165	100	87	Calm	o	W 1	10	10	—
10	29°982	29°935	32°3	36°1	30°4	45°9	·176	·199	97	94	Calm	o	Calm	o	10	10
11	29°986	30°108	30°5	37°6	30°2	45°9	·156	·194	93	86	W 1	NNE 1	o	10	·010	—
12	30°241	30°185	36°1	36°9	35°4	41°0	·208	·185	98	85	SSE 1	ESE 2	7	9	·230	—
13	29°894	29°895	34°1	36°5	32°4	37°3	·196	·216	99	100	ENE 1	Calm	o	10	10	·080
14	·888	29°872	37°9	43°2	35°5	45°3	·227	·253	99	90	Calm	o	Calm	o	10	9
15	29°997	30°066	40°9	49°1	33°2	50°6	·234	·296	92	85	Calm	o	SW 3	6	2	·030
16	30°112	30°044	48°2	50°2	42°1	53°0	·258	·294	77	81	SW 2	SW 1	8	5	—	—
17	30°065	29°993	50°2	52°2	49°1	62°8	·294	·264	81	68	SW 2	S 2	7	3	—	—
18	29°977	30°227	47°1	44°2	43°1	53°5	·270	·250	84	86	SW 3	SW 2	1	0	—	—
19	30°403	·244	42°8	44°0	40°1	54°2	·245	·250	89	86	SW 1	W 2	10	8	—	—
20	·119	·316	46°3	45°6	42°3	55°0	·281	·281	90	93	SSW 3	SW 2	6	0	·010	—
21	·485	·575	46°2	49°0	40°0	50°9	·285	·295	92	85	W 3	SW 1	8	10	—	—
22	·582	·509	46°5	45°1	44°5	50°1	·252	·234	81	78	W 2	W 3	5	9	—	—
23	·379	·288	44°7	45°2	43°5	50°1	·239	·248	78	83	W 2	W 1	10	10	—	—
24	·234	·142	45°5	46°6	43°0	49°2	·284	·280	94	89	Calm	o	WSW 1	10	10	·040
25	·072	30°000	42°9	45°2	42°1	47°9	·221	·231	81	77	W 2	W 1	8	10	—	—
26	30°024	29°918	44°8	48°8	40°6	49°9	·252	·301	85	87	Calm	o	WSW 1	10	10	·030
27	29°782	·604	48°9	50°2	46°6	56°2	·294	·327	86	91	SSW 1	Calm	o	4	10	·020
28	29°773	29°943	50°0	51°7	48°1	56°0	·301	·313	84	82	S 2	WSW 3	7	2	·080	—
Means	30°241	30°211	40°6	42°6	37°8	47°9	·227	·237	88°9	86°1	1°1	1°1	7°0	6°8	0°870	—

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.				Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	30° 50'	34° 8'	42° 0'	29° 3'	ins.	ins.	88	92	S	0.4	W	0.6	10	10	ins.	Very fine afternoon.
2	483	445	42° 1'	43° 5'	37° 8'	43° 6'	257	245	96	87	N	0.4	N	0.4	10	10	—	Very fine all day.
3	504	530	38° 8'	40° 8'	37° 8'	44° 1'	236	218	100	86	N	0.4	N	0.4	10	10	—	Very fine all day.
4	551	595	40° 3'	39° 9'	39° 0'	43° 2'	198	193	80	79	W	0.4	W	0.4	10	10	—	Sea passed over about 1.30 p.
5	574	569	40° 2'	38° 0'	37° 5'	44° 1'	197	190	80	83	SW	0.4	NW	0.2	10	0	—	Very fine at 9 p.
6	515	555	34° 5'	38° 2'	30° 5'	39° 9'	170	199	85	87	SW	0.4	S	0.4	4	10	—	Dull morning. Very fine day.
7	569	595	38° 9'	40° 0'	35° 7'	50° 1'	199	207	85	84	S	0.4	SW	0.6	10	0	—	Very fine till 4.45 p., then $\frac{1}{2}$.
8	598	475	40° 3'	36° 4'	34° 7'	48° 6'	198	215	80	100	SW	0.4	E	0.6	0	10	—	$\frac{1}{2}$ till noon.
9	30° 294	30° 089	35° 0'	34° 8'	32° 0'	39° 5'	199	176	98	87	E	0.4	SW	0.4	10	0	0.030	$\frac{1}{2}$ from noon.
10	29° 924	29° 931	38° 7'	39° 0'	34° 2'	43° 1'	221	238	94	100	ESE	0.4	E	0.8	10	10	0.023	Very fine all day. $\frac{1}{2}$ over the sea.
11	29° 953	30° 048	41° 6'	39° 4'	37° 0'	48° 9'	230	187	88	78	E	0.4	E	0.6	1	0	—	Fine but windy and cold.
12	30° 168	30° 034	39° 0'	38° 4'	38° 4'	45° 9'	195	200	83	87	SE	1.2	SW	3.4	0	10	0.347	Stormy n.
13	29° 741	29° 817	47° 3'	41° 0'	35° 7'	48° 1'	179	218	82	85	S	1.4	S	1° 0'	9	10	—	$\frac{1}{2}$ ga. and p.
14	833	861	41° 9'	43° 0'	39° 7'	44° 3'	242	221	92	80	NE	0.6	NE	0.8	10	10	0.034	Fair, but dull and windy.
15	877	29° 971	46° 8'	48° 0'	39° 9'	52° 1'	260	284	81	85	S	0.4	S	2.4	6	0	0.016	Fair, windy, and warm.
16	985	30° 060	52° 8'	48° 7'	44° 5'	55° 0'	257	313	65	92	S	3.4	SSW	4° 0'	10	9	—	Very fine.
17	955	29° 835	51° 0'	54° 6'	48° 0'	63° 4'	294	290	79	69	S	3.4	S	4° 0'	8	2	0.056	
18	29° 976	30° 270	46° 7'	44° 6'	44° 0'	55° 1'	255	250	80	84	W	1.2	W	0° 6'	0	4	—	
19	30° 360	138	43° 8'	46° 9'	39° 1'	52° 6'	246	221	86	70	S	0.8	SW	0.4	10	10	—	
20	045	389	50° 0'	45° 1'	44° 6'	54° 1'	277	268	78	89	SW	0.6	W	0° 6'	4	10	—	
21	562	641	47° 0'	48° 0'	41° 8'	49° 6'	286	293	90	88	W	0.6	W	0° 6'	10	10	0.010	
22	605	535	46° 6'	44° 5'	44° 2'	49° 6'	262	247	83	84	W	0.4	W	0° 4'	10	10	—	
23	394	302	44° 5'	45° 0'	43° 6'	50° 9'	268	236	92	79	W	0.4	W	0° 4'	10	10	0.050	
24	246	146	46° 5'	46° 4'	43° 9'	53° 0'	293	281	94	90	W	0.4	W	1° 4'	10	10	0.074	
25	126	30° 069	46° 1'	46° 7'	43° 1'	50° 1'	236	278	76	88	W	0.4	W	2° 6'	0	10	—	
26	30° 031	29° 910	46° 4'	47° 9'	43° 9'	53° 0'	279	287	89	87	SW	0.4	W	3° 2'	10	8	0.090	Fine till 1 p., then drizzle.
27	29° 689	610	52° 7'	49° 2'	47° 2'	55° 0'	307	319	77	92	S	1° 0'	SW	1° 2'	9	10	—	
28	29° 734	29° 766	51° 8'	51° 9'	47° 1'	54° 5'	318	317	82	82	S	0.4	W	3° 4'	10	2	0.400	Wet and stormy.
Means	30° 211	30° 204	43° 8'	43° 6'	39° 8'	49° 1'	241	244	85° 1'	85° 5'	0° 8'	1° 3'	7° 5'	7° 3'	1° 130			

BUXTON.

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

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.				Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	30° 619	30° 471	30° 9'	35° 9'	28° 0'	39° 3'	150	193	87	92	Calm	0	N	1	10	10	—	$\frac{1}{2}$ before ga. Thawing op.
2	522	453	36° 9'	36° 1'	34° 6'	38° 7'	193	191	89	90	N	1	W	1	10	10	—	
3	515	563	36° 1'	36° 7'	34° 0'	39° 1'	191	199	90	92	W	1	W	1	10	10	—	
4	573	582	35° 7'	35° 9'	34° 0'	39° 1'	191	174	92	83	Calm	0	NW	1	10	10	—	$\frac{1}{2}$ ga. and p.
5	618	594	35° 3'	32° 7'	32° 4'	36° 1'	181	170	88	92	W	1	W	1	10	10	—	
6	585	557	33° 9'	30° 9'	28° 0'	35° 4'	176	150	90	87	SW	2	W	2	10	0	—	$\frac{1}{2}$ op.
7	597	660	30° 5'	28° 7'	28° 4'	45° 1'	156	089	73	57	W	1	W	2	0	2	—	
8	624	490	35° 9'	30° 4'	28° 0'	40° 0'	188	158	90	94	NW	1	NE	1	10	10	—	$\frac{1}{2}$ ga. and op. Fine.
9	30° 353	30° 138	27° 4'	29° 9'	23° 6'	30° 4'	120	142	73	85	N	1	NW	1	10	0	—	$\frac{1}{2}$ before ga. $\frac{1}{2}$ ga.
10	29° 982	29° 957	30° 9'	34° 5'	27° 7'	38° 0'	150	179	87	89	N	1	Calm	0	10	10	0.090	$\frac{1}{2}$ ga.
11	30° 009	30° 066	37° 4'	33° 9'	31° 6'	43° 3'	179	176	80	90	NW	1	E	1	4	10	—	$\frac{1}{2}$ ga. and op.
12	30° 235	30° 149	33° 2'	32° 9'	32° 0'	36° 0'	170	168	90	90	SE	1	SE	3	10	10	0.440	Thawing op.
13	29° 929	29° 894	32° 9'	34° 9'	29° 5'	41° 2'	168	185	90	91	Calm	0	SE	1	10	0	0.250	$\frac{1}{2}$ before ga. $\frac{1}{2}$ ga.
14	29° 878	29° 908	37° 9'	36° 9'	30° 2'	40° 8'	208	201	91	92	SE	1	W	1	10	8	0.090	
15	30° 028	30° 016	36° 9'	43° 9'	35° 0'	46° 9'	201	264	92	92	SE	2	W	4	10	3	0.045	
16	124	30° 171	42° 4'	45° 7'	39° 4'	47° 6'	234	284	87	93	SW	3	SW	4	10	5	—	
17	102	29° 960	44° 9'	45° 9'	44° 2'	55° 0'	274	276	92	91	SW	1	SW	2	4	2	0.030	
18	025	30° 310	43° 4'	40° 3'	39° 0'	49° 3'	248	221	88	89	W	2	W	2	3	3	0.080	
19	415	248	39° 9'	39° 9'	35° 1'	48° 0'	221	225	91	92	W	1	W	2	4	5	0.040	
20	170	368	42° 3'	43° 9'	38° 5'	48° 3'	252	264	94	92	SW	4	NW	2	10	10	0.090	
21	556	594	42° 9'	45° 3'	39° 0'	46° 3'	254	284	92	94	NW	2	W	4	10	10	0.030	
22	634	617	42° 7'	41° 7'	39° 6'	45° 7'	247	226	90	86	NW	1	W	1	8	8	—	
23	521	294	41° 5'	40° 9'	40° 5'	42° 6'	225	215	87	84	W	1	W	1	10	10	—	
24	218	184	43° 1'	42° 9'	40° 0'	45° 1'	252	254	90	92	NW	1	NW	1	7	10	0.150	
25	106	30° 006	38° 9'	41° 9'	38° 8'	43° 5'	217	244	92	92	NW	2	W	3	8	10	0.370	
26	30° 016	29° 979	42° 9'	45° 0'	40° 6'	46° 6'	254	275	92	92	NW	3	W	2	10	10	0.180	
27	29° 787	618	44° 4'	45° 9'	42° 8'	48° 3'	269	286	92	93	W	3	W	2	10	10	0.070	
28	29° 827	29° 760	46° 4'	49° 0'	46° 0'	51° 0'	279	322	89	93	W	2	SW	3	8	5	0.500	
Means	30° 270	30° 236	38° 3'	38° 7'	35° 0'	43° 1'	209	215	88° 5'	89° 3'	1° 4'	1° 8'	8° 4'	7° 2'	2° 455			

HILLINGTON, NORFOLK.

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

FEBRUARY 1878.

Day	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	30° 54.6	30° 40.8	30° 0	37° 5	26° 1	41° 4	152	206	92	92	NE	0° 5	N	1	3	4	ins.	— ² . Very fine and sunny.
2	369	364	39° 8	39° 8	41° 2	36° 1	44° 9	245	210	100	82	N	1	N	1	10	10	10	0.10	—
3	389	435	39° 0	39° 0	40° 6	38° 6	41° 7	236	253	99	100	N	1	N	0° 5	10	10	10	0.023	Wetting nearly all day.
4	521	615	37° 0	38° 9	35° 3	42° 9	225	232	100	99	WSW	0° 5	W	0° 5	10	10	10	10	—	Mild.
5	564	581	38° 3	38° 4	37° 0	41° 1	231	200	100	87	SE	1	SW	1	10	10	10	10	—	Cold. Drier air.
6	582	562	36° 0	34° 0	33° 5	39° 4	182	183	87	93	SW	1	SW	2	10	10	10	10	—	— ¹ . Very fine and sunny.
7	590	574	36° 0	30° 0	28° 6	41° 4	202	161	92	97	SW	0° 5	SW	0° 5	6	0	—	—	— ² . Very fine and sunny.	
8	573	494	29° 0	31° 4	24° 9	46° 8	149	176	93	100	SW	0° 5	Calm	0	0	10	—	—	—	— ² a. and op. — ² a.
9	30° 347	30° 125	28° 2	31° 5	27° 3	32° 4	154	160	100	91	SW	1	SW	2	10	10	10	10	0.008	— ² a. and p. Very cold all day.
10	29° 985	29° 990	32° 4	34° 4	31° 0	36° 2	168	184	92	93	WNW	1	Calm	0	10	10	10	10	—	— ² ga.
11	29° 957	30° 046	33° 7	34° 8	26° 5	45° 8	175	199	90	99	NW	1	NE	0° 5	0	10	10	10	—	— ¹ . Very fine and sunny.
12	30° 244	30° 229	39° 9	32° 8	28° 9	42° 4	208	148	85	80	ENE	0° 5	ESE	2	6	5	—	283	—	— ¹ . Very fine and sunny.
13	29° 921	29° 932	37° 9	39° 0	32° 1	49° 4	220	244	97	99	SE	3	SW	1	10	4	—	085	—	—
14	29° 845	29° 915	43° 5	37° 8	36° 3	49° 1	280	219	99	97	SE	2	S	0° 2	10	10	10	10	165	—
15	30° 067	30° 007	39° 9	48° 5	35° 0	51° 1	224	331	91	98	SW	0° 3	SW	3	8	10	10	10	105	● nearly all day. Fine evening.
16	220	214	41° 2	48° 7	39° 0	49° 6	250	304	97	89	SW	2	SW	4	10	10	10	10	—	—
17	171	042	47° 9	47° 9	43° 1	60° 2	306	292	93	88	SW	4	SW	2	9	2	—	—	—	Very fine, with mild, soft air.
18	019	225	48° 0	42° 3	42° 0	53° 4	295	236	89	88	W	2	SW	1	8	0	—	—	—	Lovely day.
19	419	332	36° 4	41° 1	30° 4	50° 1	207	249	96	97	SW	1	S	2	3	4	—	—	—	— ¹ . Lovely day.
20	246	313	42° 5	44° 5	38° 5	45° 5	246	275	90	94	SW	3	SW	2	10	9	—	005	—	— ¹ . Very fine and sunny.
21	511	586	41° 9	46° 9	35° 3	51° 1	239	308	91	97	NW	1	W	1	3	10	10	10	—	— ¹ . Very fine and sunny.
22	589	538	42° 5	44° 8	40° 5	50° 5	272	269	100	91	W	1	WSW	1	10	10	10	10	—	—
23	422	279	44° 1	44° 4	43° 4	48° 1	266	271	92	93	W	1	W	0° 5	10	10	10	10	—	—
24	226	131	42° 8	45° 7	40° 9	47° 5	266	284	97	93	W	0° 5	W	1	10	10	10	10	030	—
25	052	008	45° 2	42° 4	42° 0	48° 5	268	213	90	79	WNW	1	WNW	4	10	10	10	10	008	Splendid red sunset.
26	30° 044	30° 002	44° 3	46° 9	41° 0	51° 7	279	311	96	98	WNW	1	SW	4	10	10	10	10	005	—
27	29° 901	29° 644	45° 0	46° 8	43° 9	51° 1	264	321	89	100	SW	3	SW	0° 1	10	10	10	10	330	—
28	29° 845	29° 789	48° 0	52° 3	44° 0	53° 8	312	357	94	91	SW	3	SW	5	5	3	—	300	—	— ¹ p.
Moons	30° 256	30° 225	39° 7	40° 9	35° 8	46° 7	233	243	94° 0	93° 0	1° 4	1° 5	7° 9	7° 9	1° 373	—	—	—	—	—

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.			Tension of Vapour.		Relative 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.		
1	ins.	ins.	28° 7'	35° 1'	28° 5'	39° 9'	137	203	87	99	WNW 1	N 2	0	10	—
2	30° 609	30° 504	37° 5'	37° 2'	34° 0'	41° 2'	188	198	84	89	N 2	N 1-2	0	10	—
3	461	450	37° 5'	37° 2'	34° 0'	41° 2'	188	198	84	89	N 2	N 1-2	0	10	—
4	462	511	38° 8'	39° 0'	35° 1'	41° 0'	203	216	86	91	N 2	N 1-2	0	10	—
5	559	577	36° 6'	39° 0'	35° 8'	41° 1'	205	220	95	93	Calm	S 0-1	0	10	—
6	611	600	37° 0'	35° 0'	34° 6'	39° 5'	200	168	91	82	S 1	S 0-1	0	10	—
7	573	591	30° 7'	31° 8'	30° 2'	36° 0'	154	160	90	80	SSE 2	SW 2	0	10	—
8	606	613	33° 6'	36° 0'	29° 8'	43° 8'	179	193	92	91	WSW 0-1	Calm	0	10	—
9	614	497	34° 5'	37° 1'	31° 1'	48° 3'	174	209	87	95	NW 1	Calm	0	10	—
10	30° 350	30° 148	30° 4'	32° 5'	28° 4'	37° 9'	165	166	97	90	S 2	S 3	0	10	—
11	29° 974	29° 036	33° 0'	35° 9'	31° 8'	36° 4'	188	211	100	100	Calm	NE 1	0	10	—
12	29° 974	30° 071	36° 4'	34° 9'	33° 3'	44° 0'	205	181	95	89	NE 1	ENE 2	0	10	—
13	30° 221	30° 135	34° 6'	34° 5'	32° 0'	40° 5'	201	152	100	76	ENE 2	ESE 4	0	10	—
14	29° 879	29° 880	41° 2'	44° 0'	32° 0'	49° 5'	259	270	100	94	SSE 2	S 3	0	10	—
15	29° 818	29° 012	42° 7'	41° 2'	41° 1'	45° 0'	270	235	98	92	ENE 2	WSW 1	0	10	—
16	30° 012	30° 050	39° 5'	44° 0'	36° 2'	49° 1'	234	267	97	93	SE 2	SW 3	0	10	—
17	179	30° 185	42° 4'	47° 0'	38° 9'	49° 1'	262	313	97	97	S 4	SSW-8 5	0	10	—
18	130	29° 977	46° 2'	47° 0'	45° 3'	60° 1'	290	277	93	87	S 3	S 4-5	0	10	—
19	050	30° 290	43° 6'	39° 5'	39° 2'	53° 9'	261	224	92	93	SW 3	SW 2	0	10	—
20	436	277	37° 0'	40° 1'	34° 3'	49° 4'	220	233	100	94	S 0-1	SSE 3-4	0	10	—
21	164	364	43° 2'	44° 0'	39° 2'	49° 4'	273	267	97	93	S 4-5	W 2	0	10	—
22	560	633	43° 0'	47° 2'	36° 0'	51° 6'	242	298	87	93	W 3	WNW 2	0	10	—
23	619	554	45° 5'	43° 8'	43° 3'	48° 1'	277	248	91	87	WNW 0-1	WNW 1	0	10	—
24	423	314	43° 2'	43° 2'	42° 3'	44° 8'	257	266	92	95	SW 1	SW 1-2	0	10	—
25	252	184	42° 5'	45° 0'	41° 2'	50° 1'	246	255	90	86	W 2	W 2	0	10	—
26	132	30° 083	41° 4'	43° 2'	41° 3'	49° 1'	244	255	94	91	NW 2	WSW 3-4	0	10	—
27	30° 073	29° 998	46° 0'	47° 0'	43° 2'	49° 3'	269	298	87	93	SW 4	SW 4-5	0	10	—
28	29° 833	644	46° 2'	45° 8'	44° 5'	51° 8'	292	296	94	96	SSW 5	WSW 2	0	10	—
29	29° 830	29° 834	48° 0'	51° 0'	45° 8'	53° 3'	312	326	94	87	SSW 3-4	SSW 3-4	0	10	—
Means	30° 264	30° 243	39° 4	40° 8	36° 7	46° 2	229	236	93° 1	91° 3	2° 0	2° 2	8° 9	7° 6	1° 080

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.

FEBRUARY 1878.

1	30° 678	30° 064	29° 9	35° 9	23° 5	37° 4	*153	*188	92	90	Calm	o	Calm	o	7	10	—	☼ Cold wind.
2	*520	*517	36° 9	36° 9	34° 1	39° 8	*210	*201	96	92	Calm	o	Calm	o	10	7	—	☼ ga. and before. Thaw.
3	*552	*595	38° 0	38° 0	35° 9	41° 4	*210	*204	92	89	Calm	o	Calm	o	7	8	—	☼ ga.
4	*630	*602	36° 5	37° 8	35° 0	40° 3	*204	*195	95	87	Calm	o	Calm	o	7	7	—	☼ p. ☼
5	*610	*610	36° 9	34° 9	34° 1	39° 6	*190	*172	87	84	W 1	SE 1	7	9	—	—	☼ ga. Warm and spring-like.	
6	*590	*602	29° 9	34° 3	28° 6	36° 4	*145	*174	87	87	SW 2	Calm	o	6	9	—	☼	
7	*624	*649	34° 6	34° 1	32° 0	36° 2	*176	*172	88	87	SE 1	SE 2	7	2	—	—	☼ Fine and clear.	
8	*651	*505	29° 2	34° 3	26° 3	48° 7	*161	*184	100	93	Calm	o	Calm	o	0	0	—	☼ Fine and clear. Hot sun.
9	30° 357	30° 120	29° 5	32° 0	27° 8	36° 2	*163	*162	100	90	SSW 0° 5	SSW 0° 5	10	0	—	—	☼ ga. and before. ☼	
10	29° 985	29° 051	32° 4	37° 9	30° 2	39° 9	*180	*226	98	99	Calm	o	Calm	o	10	10	—	☼ all day.
11	29° 994	30° 106	36° 5	37° 2	35° 5	44° 1	*202	*191	99	86	Calm	o	NE 1	9	6	—	*135 ga. and before.	
12	30° 188	30° 060	34° 0	33° 3	30° 5	38° 5	*179	*178	91	94	SE 3	SE 5	5	10	—	—	*273 ☼ ☼ p. changing to ☼	
13	29° 843	29° 882	44° 9	41° 7	32° 1	49° 2	*262	*214	88	82	SSW 1	Calm	o	9	9	—	☼ before ga. Much warmer p.	
14	*827	29° 915	39° 8	40° 6	39° 0	45° 0	*239	*220	98	87	Calm	o	SSW 1	10	8	—	*055 Cold wind.	
15	29° 953	30° 105	41° 4	45° 5	36° 1	51° 1	*245	*246	95	81	SSW 1	SW 4	10	2	—	—	*150 ☼ Warm and spring-like.	
16	30° 177	30° 193	45° 8	49° 4	41° 1	55° 4	*251	*297	82	85	S 6	SW 4	8	8	—	—	*003 ☼ Fine and sunny.	
17	*074	29° 945	48° 9	50° 9	46° 0	60° 7	*263	*266	76	72	SW 3	SW 2	4	5	—	—	*050 Cold, piercing wind.	
18	*075	30° 341	45° 8	43° 6	41° 1	51° 9	*247	*239	81	84	W 4	SW 2	2	3	—	—	*005 Bright and clear. Squalls ga.	
19	*436	*249	37° 3	46° 4	33° 0	50° 0	*199	*194	90	62	E 1	WSW 2	5	8	—	—	*015 Close and warm.	
20	*194	*441	48° 1	41° 7	41° 2	51° 0	*306	*255	91	96	E 1	ESE 1	8	5	—	—	☼ Squalls ga.	
21	*619	*696	48° 2	46° 7	35° 9	50° 9	*305	*299	91	94	E 2	NW 1	9	8	—	—	☼ ga. Cold and dull.	
22	*671	*577	45° 8	43° 7	42° 6	47° 9	*286	*262	93	92	NW 1	Calm	o	6	8	—	—	*005 ☼ Clear and warm.
23	*451	*336	46° 0	41° 8	40° 0	48° 9	*262	*231	85	87	Calm	o	NW 1	9	9	—	—	*017 Cold and dull.
24	*282	*241	42° 8	44° 8	39° 5	50° 2	*235	*231	85	78	Calm	o	W 1	8	8	—	—	*027 Bitterly cold wind.
25	*179	*109	44° 3	44° 8	42° 0	48° 7	*238	*217	81	73	NW 1	NW 2	7	8	—	—	☼	
26	30° 118	30° 001	45° 3	47° 0	42° 8	50° 5	*270	*268	89	84	W 4	SW 3	8	8	—	—	☼	
27	29° 804	29° 662	47° 9	47° 9	44° 0	52° 9	*292	*321	88	97	N 3	SW 2	9	10	—	—	☼	
28	29° 824	29° 869	51° 1	50° 8	46° 5	55° 9	*334	*313	89	84	SW 5	Calm	o	9	8	—	—	*163
Means	30° 282	30° 266	40° 3	41° 2	36° 3	46° 4	*229	*226	90° 3	86° 3	1° 4	1° 3	7° 4	6° 9	1° 063			

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	27° 0	36° 5	24° 2	41° 2	in.	in.	%	%					ins.	Air full of sound—diacousticity, [—], ga. and gp. [ga. —] gp. ga.

CARMARTHEN.

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

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30° 4	30° 4	23° 8	42° 1	ins.	ins.	92	95	Calm	o	o	10	ins.	—
2	30° 49	30° 51	30° 4	30° 4	23° 8	42° 1	139	205	82	95	Calm	o	o	10	—	ga.
3	486	464	38° 0	40° 3	31° 3	44° 0	223	238	97	96	Calm	o	o	10	—	
4	494	534	39° 2	40° 9	38° 8	45° 9	238	219	99	86	Calm	o	o	10	—	
5	565	554	39° 2	39° 9	38° 7	42° 5	212	216	88	88	Calm	o	o	10	—	
6	578	563	39° 9	35° 6	35° 4	44° 2	221	183	91	88	E	1	E	1	—	
7	545	532	34° 3	37° 3	30° 1	39° 2	182	207	92	93	E	1	E	1	—	
8	622	628	37° 4	33° 5	33° 5	43° 2	210	189	94	99	Calm	o	o	10	—	
9	630	421	33° 6	35° 8	25° 9	47° 4	160	204	83	98	Calm	o	o	10	—	
10	30° 304	30° 078	35° 0	36° 7	33° 7	39° 9	188	204	93	94	E	1	E	1	—	080
11	29° 930	29° 920	41° 3	43° 6	34° 9	48° 7	260	279	100	97	E	1	Calm	o	—	020
12	29° 934	30° 010	41° 3	41° 2	40° 7	46° 1	256	203	99	79	E	1	E	1	—	—
13	30° 136	29° 824	39° 0	41° 5	38° 1	43° 2	210	255	89	99	E	2	E	5	—	440
14	29° 816	869	47° 1	42° 1	41° 5	50° 1	322	246	99	92	SW	3	SW	1	—	030
15	807	29° 898	45° 5	42° 6	40° 2	50° 6	267	251	88	92	Calm	o	SW	1	—	200
16	29° 890	30° 095	46° 1	46° 3	39° 7	51° 6	305	307	98	98	S	2	SW	2	—	430
17	30° 148	30° 163	48° 3	47° 8	44° 3	50° 0	297	315	88	95	S	2	S	3	—	030
18	041	29° 906	54° 3	51° 0	45° 1	59° 7	278	351	66	94	SE	2	S	5	—	090
19	114	30° 358	50° 2	40° 9	40° 2	53° 9	279	252	78	99	W	2	E	1	—	—
20	387	169	46° 7	45° 9	39° 5	52° 1	288	278	91	91	SE	1	SE	2	—	120
21	154	424	47° 5	45° 7	44° 9	54° 5	317	272	97	89	SW	1	Calm	o	—	030
22	632	655	44° 2	46° 6	36° 6	52° 8	280	313	97	99	W	1	Calm	o	—	—
23	642	539	46° 9	44° 9	44° 9	52° 9	317	294	99	99	Calm	o	Calm	o	—	020
24	418	316	45° 2	43° 2	43° 0	47° 6	297	257	99	92	Calm	o	Calm	o	—	060
25	275	225	44° 9	45° 3	41° 6	51° 1	286	259	97	86	Calm	o	Calm	o	—	040
26	188	30° 166	45° 7	46° 9	42° 5	53° 0	301	309	98	97	W	1	SW	1	—	020
27	30° 115	29° 976	46° 5	46° 1	45° 5	50° 2	315	303	100	97	SW	1	SW	1	—	190
28	29° 775	689	48° 6	49° 8	45° 3	51° 7	334	338	98	95	S	3	SW	1	—	430
29	29° 870	29° 866	50° 0	48° 8	47° 0	53° 2	361	345	100	100	SW	2	SW	1	—	090
Means	30° 256	30° 227	43° 1	42° 7	38° 8	48° 6	262	260	92° 9	93° 8	1° 0	1° 0	8° 4	9° 0	2° 920	

MARLBOROUGH, WILTS.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

FEBRUARY 1878.

1	30° 627	30° 518	26° 8	33° 3	26° 2	39° 7	142	182	98	97	Calm	o	Calm	o	1	10	—	ga. and p.
2	461	472	35° 3	37° 4	33° 1	40° 0	196	215	95	97	Calm	o	Calm	o	10	10	—	all day.
3	460	486	36° 8	39° 1	35° 5	41° 5	199	231	91	97	N	1	N	1	10	10	—	ga. and before.
4	560	602	38° 0	37° 9	37° 7	41° 9	227	214	99	94	Calm	o	NE	1	10	10	—	ga.
5	633	601	35° 9	33° 8	33° 8	38° 7	188	176	90	90	Calm	o	E	1	10	10	—	
6	587	602	31° 0	33° 8	30° 6	38° 7	169	189	97	98	E	1	Calm	o	10	10	—	ga.
7	644	640	31° 8	30° 2	30° 2	45° 0	170	162	95	97	Calm	o	Calm	o	6	0	—	ga. and before.
8	646	537	26° 5	31° 7	24° 8	43° 9	134	179	94	100	Calm	o	Calm	o	0	10	—	ga. and before.
9	30° 362	30° 174	32° 6	34° 7	31° 2	35° 2	172	183	93	91	Calm	o	SW	1	10	10	—	ga. and before.
10	29° 987	29° 929	37° 0	43° 7	34° 3	45° 8	220	283	100	99	Calm	o	Calm	o	10	10	—	ga. and before.
11	29° 964	30° 050	37° 5	38° 0	37° 5	43° 7	225	208	100	91	Calm	o	Calm	o	10	10	—	ga. and before.
12	30° 213	30° 115	35° 6	36° 0	33° 5	42° 2	202	197	97	94	SE	1	SW	1	10	10	—	Waters moon.
13	29° 936	29° 935	45° 6	45° 4	36° 0	50° 8	299	285	98	94	Calm	o	SW	1	10	10	—	before ga. Watery moon.
14	29° 781	29° 967	43° 5	41° 9	41° 3	51° 5	278	241	98	92	Calm	o	Calm	o	10	10	—	
15	30° 037	30° 145	43° 7	45° 6	38° 1	50° 2	271	299	95	98	S	1	Calm	o	9	10	—	
16	284	284	45° 3	48° 7	39° 4	50° 0	284	334	94	97	SW	1	SW	1	10	10	—	
17	207	047	47° 7	47° 8	46° 1	57° 7	311	303	94	91	SW	1	S	1	10	10	—	
18	137	350	45° 7	41° 7	41° 5	53° 5	274	253	90	96	SW	1	W	1	3	0	—	
19	484	339	39° 3	41° 7	37° 3	48° 4	238	251	100	95	Calm	o	S	3	10	7	—	ga. and before.
20	255	452	43° 2	42° 7	40° 6	48° 7	266	265	95	96	S	1	Calm	o	10	1	—	p.
21	622	660	39° 6	44° 0	35° 3	53° 2	225	276	93	96	Calm	o	W	1	1	1	—	before ga.
22	658	580	45° 5	46° 0	44° 0	48° 6	293	277	97	90	Calm	o	W	1	10	10	—	ga. and p.
23	463	352	43° 7	41° 1	41° 1	47° 4	255	234	89	91	Calm	o	Calm	o	10	10	—	
24	285	235	42° 6	42° 7	40° 9	46° 1	249	243	91	88	Calm	o	Calm	o	10	10	—	ga. and before.
25	184	179	44° 1	44° 7	41° 4	52° 7	277	266	96	90	Calm	o	W	1	10	10	—	
26	30° 175	30° 087	45° 1	45° 2	44° 4	50° 5	263	283	87	94	SW	1	SW	1	10	3	—	
27	29° 931	29° 706	45° 2	47° 2	44° 3	49° 8	287	312	96	97	SW	2	SW	1	10	10	—	402
28	29° 924	29° 936	47° 6	50° 9	46° 2	54° 5	323	338	98	91	SW	1	W	3	10	10	—	260
Means	30° 303	30° 285	39° 7	41° 0	37° 4	46° 8	237	246	95° 0	94° 3	0° 4	0° 7	8° 6	8° 3	1° 847			

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30° 597	30° 496	29° 9	30° 1	26° 9	40° 3	ins.	ins.	76	99	Calm	o	N	1	o	3	ins.	ga. and p.
2	426	416	36° 0	38° 5	27° 0	40° 7	141	223	66	96	N	1	N	1	10	10	—	015	ga.	
3	446	487	38° 0	40° 9	36° 0	42° 3	190	236	83	93	Calm	o	NE	1	10	10	—	019	ga.	
4	552	591	40° 1	38° 5	37° 7	41° 6	239	205	97	89	Calm	o	Calm	o	10	10	—	—	ga.	
5	627	604	35° 8	35° 2	34° 9	38° 8	182	176	88	86	Calm	o	SE	1	10	10	—	—		
6	583	608	34° 3	32° 5	28° 9	40° 7	174	172	87	95	SE	1	SE	1	10	10	—	—		
7	642	637	34° 9	31° 8	30° 4	45° 3	168	172	83	97	S	1	SE	1	10	0	—	—		
8	633	549	27° 9	31° 6	23° 0	34° 5	131	168	86	95	Calm	o	Calm	o	0	10	—	—	V. ga. and before.	
9	30° 360	30° 173	33° 5	33° 9	31° 0	35° 5	172	175	91	90	S	1	SE	1	10	10	—	094		
10	29° 982	29° 926	38° 9	43° 4	33° 4	45° 8	225	277	95	99	S	1	Calm	o	10	10	—	065	ga.	
11	29° 968	30° 056	38° 4	38° 6	36° 8	45° 1	212	218	92	93	SE	1	SE	1	10	9	—	008	ga. and p.	
12	30° 223	30° 175	38° 6	36° 8	30° 8	44° 1	198	179	85	83	SE	1	SE	2	0	10	—	297	p.	
13	29° 930	29° 959	47° 5	45° 1	36° 0	50° 8	292	290	90	97	SW	1	S	1	10	10	—	536	p.	
14	29° 788	29° 971	48° 1	43° 1	42° 0	53° 0	313	267	92	96	S	1	W	1	10	2	—	047		
15	30° 065	30° 132	41° 5	48° 0	32° 3	51° 1	255	290	98	87	S	1	W	1	10	1	—	054	ga.	
16	289	302	46° 4	48° 5	40° 0	51° 7	271	304	87	90	SW	2	S	1	10	10	—	—		
17	245	072	51° 7	49° 8	46° 7	60° 6	316	285	83	81	S	1	SE	1	8	7	—	076	p.	
18	145	342	47° 8	41° 4	41° 0	55° 0	272	241	82	92	W	2	W	1	1	0	—	—		
19	476	366	39° 1	41° 5	35° 4	50° 9	234	230	98	89	Calm	o	SE	2	10	10	—	—	ga. p.	
20	261	408	43° 9	43° 5	41° 0	46° 3	262	275	91	98	S	1	Calm	o	10	4	—	—		
21	600	644	43° 9	40° 8	35° 0	54° 1	232	284	81	89	W	1	Calm	o	0	10	—	—		
22	651	577	46° 8	46° 8	45° 3	50° 1	301	301	94	94	Calm	o	Calm	o	10	10	—	—	ga.	
23	463	337	46° 0	40° 9	40° 3	50° 3	247	236	81	93	W	1	NW	1	9	9	—	—	ga.	
24	272	215	43° 5	43° 8	39° 4	50° 1	253	250	90	88	Calm	o	Calm	o	10	10	—	—	ga.	
25	162	159	45° 4	45° 1	41° 0	53° 1	254	261	84	87	W	1	NW	1	10	10	—	—		
26	30° 166	30° 062	47° 9	47° 1	44° 2	51° 3	265	285	80	89	W	2	W	1	10	10	—	—	T a.	
27	29° 963	29° 679	46° 3	49° 6	43° 9	50° 3	267	319	86	90	S	3	W	3	10	10	—	266	a. Squalls p.	
28	29° 947	29° 941	49° 5	51° 8	46° 7	53° 5	321	364	91	94	S	1	SW	2	10	10	—	148		
Means	30° 303	30° 317	41° 5	41° 6	36° 7	47° 4	233	245	87° 0	91° 8	o° 9		o° 9		8° 1	8° 0	1° 625			

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	Min.	Max.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	
1	ins.	ins.	33°	32°	28°	37°	ins.	ins.	78	97	N	0.5	N	0.1	1	ins. Beautiful day. ☼ p.
2	427	411	34°	40°	29°	40°	194	225	96	91	SW	0.5	N	1	1	☼ a.
3	438	472	38°	41°	34°	42°	197	235	84	91	N	1	NE	1	10	—
4	540	569	41°	39°	38°	43°	232	207	90	86	NE	0.5	NE	1	10	—
5	602	576	37°	35°	37°	42°	192	181	85	86	E	1	E	1	10	—
6	552	579	38°	35°	34°	38°	193	192	84	92	E	3	E	1	9	—
7	635	626	34°	31°	33°	42°	170	143	86	79	N	0.1	Calm	0	10	—
8	626	599	32°	30°	27°	39°	177	202	97	93	SE	0.5	E	0.1	10	—
9	30°364	30°166	35°	37°	31°	38°	184	196	89	87	SE	0.5	Calm	0	10	—
10	29°982	29°937	41°	45°	34°	41°	248	277	96	92	Calm	0	Calm	0	10	—
11	29°948	30°033	41°	40°	40°	47°	243	204	92	82	E	0.4	E	0.5	10	—
12	30°192	30°100	40°	41°	35°	42°	207	223	83	85	SE	1	SE	4	9	—
13	29°970	29°954	47°	47°	39°	48°	301	320	94	99	SW	1	Calm	0	10	—
14	29°775	29°985	48°	40°	45°	50°	327	341	98	96	SW	1	Calm	0	10	—
15	30°065	30°171	45°	46°	35°	51°	291	306	95	95	SE	1	SW	1	10	—
16	308	305	47°	40°	44°	51°	291	334	91	95	SW	2	S	1	10	—
17	232	072	51°	51°	46°	51°	337	323	89	83	SE	1	SW	1	7	—
18	162	352	48°	42°	45°	55°	300	245	90	92	SW	1	W	0.1	1	—
19	479	342	35°	43°	32°	53°	206	260	99	92	NE	0.5	SE	2	10	—
20	270	409	44°	45°	35°	49°	278	294	96	95	SE	1	SW	1	10	—
21	612	641	42°	47°	37°	46°	239	282	88	88	NW	1	NW	1	1	—
22	636	549	47°	47°	41°	53°	306	393	95	92	SW	0.1	SE	0.5	10	—
23	436	326	46°	44°	44°	48°	274	258	89	82	SE	1	NE	0.5	10	—
24	270	220	45°	45°	40°	48°	252	253	84	85	NE	0.1	NW	0.5	9	—
25	186	180	46°	46°	42°	50°	257	242	83	78	SW	1	W	1	9	—
26	30°196	30°100	48°	46°	43°	53°	253	283	76	89	SW	2	SW	2	10	—
27	29°956	29°757	48°	50°	45°	51°	281	315	84	86	SW	3	SW	3	10	—
28	29°958	29°975	49°	51°	47°	50°	336	354	96	91	S	1	SW	1	10	—
Means	30°300	30°278	42°	43°	38°	46°	247	255	89.5	89.3	1°	0°	8°	8°	2°	731

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.

FEBRUARY 1878.

Day.	9 a.m.		9 p.m.		Min.	Max.	9 a.m.		9 p.m.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Remarks.
	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	30°543	30°454	35°	36°	33°	41°	161	177	78	84	NNE	3	NNE	4	2	10	—
2	375	373	37°	37°	36°	42°	210	215	93	96	N	2	N	0.1	10	10	—
3	377	446	40°	41°	37°	43°	214	253	86	98	N-NW	1	N	1	10	10	—
4	532	580	38°	37°	36°	42°	221	211	95	95	NE	1	NE	3	10	10	—
5	620	607	36°	36°	35°	37°	194	184	91	86	E	1	E	3	10	10	—
6	583	594	36°	35°	34°	40°	186	186	86	91	ENE	3	E	1	9	10	—
7	638	642	32°	32°	31°	36°	168	174	91	95	NNW	1	NE	0.1	10	10	—
8	639	549	31°	36°	28°	36°	174	207	99	95	Calm	0	S	0.1	10	10	—
9	394	30°199	31°	34°	31°	37°	169	174	95	85	S	1	SW	2	10	10	—
10	30°029	29°924	38°	43°	34°	44°	227	277	97	99	S	1	Calm	0	10	10	—
11	29°953	30°042	38°	39°	38°	44°	225	227	97	93	NE	1	NE	3	10	10	—
12	30°241	244	38°	37°	36°	40°	172	170	74	76	E	2	ENE	3	0	10	—
13	29°999	30°004	45°	45°	36°	47°	296	299	98	99	SSW	5	SSW	1	10	10	—
14	29°898	29°989	46°	40°	40°	47°	309	247	98	99	SSW	6	Calm	0	10	2	—
15	30°125	30°167	45°	48°	38°	48°	293	342	97	100	S	2	WSW	6	10	10	—
16	331	364	44°	45°	43°	49°	286	307	97	99	SSW	2	SSW	2	10	10	—
17	318	164	48°	49°	45°	52°	309	321	93	90	S	1	SE	1	2	2	—
18	138	334	47°	42°	41°	52°	316	263	98	97	SW	2	W	2	10	0	—
19	481	429	40°	43°	36°	47°	239	270	95	96	W	1	SSE	1	0	10	—
20	335	412	41°	44°	40°	45°	244	281	93	97	SSW	2	WSW	1-2	10	10	—
21	586	652	44°	46°	42°	54°	266	299	90	93	N	1	Calm	0	0	10	—
22	646	580	47°	47°	45°	48°	321	292	99	91	NE	1	Calm	0	10	10	—
23	459	327	46°	43°	42°	51°	297	273	94	97	ESE	1	ESE	3	10	9	—
24	261	211	43°	43°	42°	47°	272	272	95	95	NNE	0.1	NNW	0.1	10	10	—
25	169	159	44°	43°	41°	51°	265	260	89	93	W	1	W-WNW	4	10	0	—
26	172	30°149	47°	45°	40°	51°	285	288	87	94	W	4-5	WSW	3	5	7	—
27	30°026	29°728	48°	48°	44°	48°	271	335	90	99	SW	4	SSW	7-8	10	10	—
28	29°987	29°980	48°	49°	45°	49°	333	355	99	99	WSW	3	WSW	5-6	10	10	—
Means	30°316	30°297	41°	42°	38°	45°	247	256	92.6	94.0	1°	2°	8°	8°	2°	055	

FEBRUARY.

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	29°	32°	29°5	36°	in.	in.	90	88	NE	1	NE	1	0	ins.
2	30°592	30°595	34°	34°	28°5	35°	154	162	98	100	NE	2	NW	2	8	—
3	440	459	34°	34°	28°	35°	199	199	98	100	NE	2	NW	2	8	0°20
4	466	513	35°	34°	34°	36°	204	194	99	96	NE	2	N	2	10	10
5	559	550	34°	34°	34°	36°	200	200	100	100	E	1	ESE	1	9	10
6	589	536	33°	33°	32°	36°	188	175	100	93	E	1	E	4	10	10
7	490	547	34°	35°	32°	37°	183	187	100	92	SE	1	Calm	0	10	10
8	630	634	34°	36°	34°	38°	199	177	100	84	Calm	0	Calm	0	10	10
9	619	470	31°	33°	30°	36°	170	188	95	100	Calm	0	E	4	0	10
10	30°314	30°102	30°	36°	30°	36°	170	218	100	100	Calm	0	SE	2	10	10
11	29°983	29°937	41°	40°	36°	44°	261	247	100	100	SW	2	Calm	0	10	10
12	29°912	074	36°	37°	33°	40°	218	220	100	100	Calm	0	SE	4	10	10
13	30°080	29°924	39°	46°	36°	46°	238	311	100	100	SE	4	S	5	10	10
14	29°925	30°030	42°	43°	41°	47°	273	277	100	100	SW	1	SW	3	10	10
15	822	29°962	40°	38°	37°	43°	240	225	96	97	W	1	Calm	0	10	4
16	29°948	30°156	46°	44°	35°	48°	316	288	100	100	SW	4	W	3	10	4
17	30°246	252	43°	45°	41°	47°	279	304	100	100	SW	2	S	4	10	10
18	138	000	46°	46°	41°	54°	268	321	86	100	S	5	S	5	0	10
19	168	370	40°	40°	40°	48°	255	246	100	97	W	2	W	1	10	10
20	413	252	41°	41°	35°	44°	252	252	98	97	SW	2	S	5	5	10
21	183	436	44°	43°	41°	45°	287	272	98	98	WSW	1	Calm	0	10	10
22	612	658	41°	41°	36°	45°	243	248	95	94	NW	3	N	1	0	0
23	635	525	42°	41°	38°	45°	255	257	93	100	Calm	0	Calm	0	10	10
24	413	537	40°	40°	38°	49°	210	207	84	81	Calm	0	Calm	0	8	10
25	271	245	39°	40°	38°	43°	202	231	84	93	Calm	0	Calm	0	10	10
26	229	220	42°	42°	38°	45°	271	262	100	97	Calm	0	NW	4	10	10
27	30°168	30°040	42°	42°	38°	43°	267	275	100	100	W	3	SW	4	10	10
28	29°864	29°787	45°	45°	41°	47°	304	304	100	100	S	5	SW	4	10	10
29	29°961	29°961	48°	48°	43°	49°	340	340	100	100	S	3	W	5	10	10
Means	30°274	30°264	39°	40°	36°1	43°1	237	243	97°2	96°7	1°6		2°3	8°2	8°7	5°490

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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°	37°	36°	41°	ins.	ins.	70	70	NE 3	NE 2	9	0	ins.	Squalls before 9a.
2	30°554	30°513	40°	37°	36°	41°	202	159	82	80	NE 1	NE 2	9	10	003	Temp. very uniform.
3	30°456	30°485	43°	40°	42°	43°	219	223	83	80	NE 2	NE 1	10	10	002	
4	30°530	30°559	43°	40°	38°	43°	253	189	90	76	NE 2	NE 3	10	10	001	
5	30°583	30°539	36°	38°	35°	39°	175	190	82	83	ENE 3	E 4	10	0	—	Day very fine.
6	30°582	30°572	36°	36°	33°	44°	198	207	89	95	Calm	Calm	9	5	—	a. and p. 9a. and p.
7	30°634	30°646	39°	37°	35°	40°	205	191	85	84	NE 1	NE 1	10	7	—	a. and p.
8	30°638	30°638	33°	32°	31°	37°	177	157	90	84	E 4	E 3	10	10	—	a.
9	30°604	30°630	37°	37°	37°	37°	145	205	83	93	S by E 2	S 2	10	10	003	a.
10	30°076	30°012	46°	45°	36°	48°	319	299	100	100	SW 2	W 1	10	10	014	a.
11	29°959	29°973	43°	46°	43°	46°	284	283	100	92	E by S 2	E 3	10	10	002	a.
12	30°129	30°132	43°	45°	43°	46°	278	301	97	98	E 4	S 4	10	10	012	a.
13	30°038	30°026	49°	49°	45°	50°	339	339	95	97	SSW 4	SSW 3	10	10	080	a.
14	29°859	29°845	48°	44°	43°	54°	325	263	97	91	SW 2	W by N 1	10	8	018	Fair, warm day. U U D p.
15	30°105	30°112	47°	46°	43°	55°	349	330	96	100	Calm	Calm	9	10	007	from 8.30p.
16	30°387	30°378	46°	49°	44°	50°	300	330	96	95	S 3	SSE 1	10	10	—	before 9a.
17	30°303	30°317	47°	50°	46°	54°	299	309	92	85	SE 3	SSW 3	9	10	096	a.
18	30°254	30°243	45°	44°	44°	55°	337	284	86	94	W 4	W 1	1	0	005	a.
19	30°525	30°504	43°	44°	39°	44°	279	259	100	89	Calm	Calm	10	5	042	a.
20	30°321	30°321	43°	44°	42°	45°	255	293	92	99	S 3	Calm	10	0	046	a.
21	30°639	30°639	47°	44°	41°	51°	308	265	93	92	N by E 1	Calm	9	0	—	a.
22	30°671	30°671	44°	43°	40°	48°	268	258	92	90	E 3	E 3	9	0	001	a.
23	30°451	30°451	44°	44°	39°	48°	250	242	83	83	Calm	Calm	6	10	—	a.
24	30°312	30°312	44°	44°	42°	45°	281	263	97	91	Calm	Calm	10	6	007	a.
25	30°278	30°278	47°	48°	41°	55°	296	311	89	94	W 1	SW 1	8	10	003	a.
26	30°314	30°314	47°	47°	44°	50°	278	279	86	86	SW 3	SW 2	9	10	—	a.
27	30°071	30°071	48°	50°	44°	51°	284	364	85	100	SSW 3	SW 3	6	10	025	a.
28	30°107	30°107	52°	50°	48°	52°	374	359	96	99	SW 4	SW 3	10	10	011	a.
Means	30°342	30°334	44°	43°	40°	47°	268	263	90°7	89°9	2°2	1°8	9°0	7°2	1°998	

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30°652	30°591	26°	33°	23°	33°	139	181	96	96	Calm	Calm	0	0	006	a.—9p.
2	30°572	30°567	36°	41°	32°	44°	214	237	100	92	Calm	Calm	10	10	001	a.
3	30°555	30°540	38°	39°	38°	43°	225	221	95	91	Calm	Calm	10	10	—	a.
4	30°536	30°502	39°	39°	38°	42°	205	215	84	90	Calm	Calm	10	10	—	a.
5	30°493	30°458	39°	42°	37°	44°	219	248	90	92	W 1	SE 3	10	10	—	a.
6	30°389	30°423	40°	44°	39°	45°	212	254	85	87	S 3	Calm	10	10	—	a.
7	30°484	30°554	43°	45°	41°	52°	238	268	84	90	SW 3	Calm	10	10	002	a.
8	30°547	30°582	37°	41°	35°	45°	221	221	99	86	S 2	SSE 2	0	10	002	a.
9	30°168	30°166	40°	41°	39°	44°	212	253	85	95	SE 3	SSE 3	6	10	024	a.
10	29°915	29°922	41°	43°	41°	45°	260	278	98	98	SE 1	Calm	0	10	011	a.
11	29°933	29°933	42°	37°	36°	46°	251	204	92	92	SSE 2	E 1	8	5	—	a.
12	30°045	29°933	41°	42°	36°	45°	219	216	84	82	SSE 3	SE 3	8	10	010	a.
13	29°793	29°793	35°	40°	34°	42°	201	218	96	89	NNW 2	NNE 1	10	10	010	a.
14	30°836	30°797	40°	34°	34°	43°	220	196	89	97	Calm	Calm	10	3	005	a.
15	30°662	30°662	41°	42°	32°	52°	249	232	96	85	S 3	S 2	10	1	026	a.
16	30°760	30°833	50°	49°	39°	54°	318	295	88	83	SW 4	SSE 4	9	7	—	a.
17	30°641	30°734	51°	41°	41°	54°	308	235	81	89	SSE 5	SSE 2	6	2	016	a.
18	30°907	30°844	44°	42°	39°	50°	237	237	89	89	S 2	Calm	1	9	068	a.
19	30°131	29°800	41°	48°	33°	50°	240	310	93	93	SSE 4	SSW 5	10	8	076	a.
20	30°003	30°412	48°	44°	43°	50°	283	249	82	84	W 2	SW 2	9	10	010	a.
21	30°546	30°623	49°	47°	44°	51°	315	257	88	79	W 1	SSW 2	10	10	—	a.
22	30°521	30°492	47°	43°	41°	52°	264	261	81	92	SW 2	Calm	0	8	002	a.
23	30°345	30°311	45°	44°	43°	52°	291	286	95	96	WSW 2	Calm	6	10	048	a.
24	30°219	30°162	44°	40°	40°	49°	285	275	97	99	SW 2	Calm	9	10	102	a.
25	30°143	30°066	43°	45°	38°	49°	235	297	84	97	SSW 1	S 1	8	10	216	a.
26	29°948	29°711	45°	50°	44°	51°	276	341	92	94	SSW 3	S 2	10	10	010	a.
27	30°478	30°608	48°	47°	47°	55°	313	295	93	92	SSE 3	Calm	10	6	053	a.
28	30°493	30°601	52°	48°	44°	56°	375	307	94	90	SSW 4	SW 3	10	1	015	a.
Means	30°132	30°142	42°	43°	38°	48°	252	253	90°4	90°7	2°1	1°3	7°8	7°9	1°443	

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

FEBRUARY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	29°	34°	27°	40°	ins.	ins.	92	94	W 1	W 1	0	0	ins.	☀ a. Very bright, warm sunshine.
2	*543	*549	36°	41°	33°	41°	*200	*236	92	92	W 2	W 1	10	10	—	☁ before 9a. ☀
3	*546	*554	42°	41°	40°	44°	*220	*232	81	90	NW 2	NW 1	10	10	—	Temp. inclined to fall and bar. to rise p.
4	*559	*556	40°	41°	39°	43°	*227	*232	92	90	W 1	Calm	0	10	10	☁ a. Overcast throughout.
5	*564	*530	41°	43°	40°	44°	*216	*235	84	84	Calm	S by E 2	10	7	—	[from 8p.
6	*504	*505	40°	37°	36°	44°	*203	*205	82	93	S by E 1	Calm	0	8	7	Temp. fell quickly after sunset.
7	*560	*598	40°	41°	36°	50°	*224	*227	90	86	Calm	W by S 1	5	0	—	☀ a. and after 9p. Brilliant from
8	*605	*467	33°	41°	31°	43°	*169	*222	90	86	Calm	SSE 2	0	8	—	☀ a. [Noon
9	30°256	30°038	41°	42°	38°	45°	*219	*249	84	92	SSE 1	SSE 3	10	10	*140	Bar. falling steadily a.
10	29°933	29°941	43°	43°	41°	44°	*266	*276	96	97	Calm	ESE 1	10	10	*043	☀ a. and p.
11	29°959	30°027	43°	42°	42°	45°	*258	*256	93	93	E by S 2	ESE 1	9	10	*020	[ESE. p.
12	30°108	29°928	42°	41°	40°	43°	*224	*236	82	92	SE 2	SE by E 5	8	10	*826	☀ a. in squalls from SE. or
13	*679	*787	36°	38°	35°	42°	*196	*223	92	97	W by S 5	W 4	10	10	*145	☀ ² ☀ ² with ☀ from ESE., then
14	*787	*839	39°	41°	37°	42°	*234	*229	98	90	ESE 1	SW 2	10	10	*010	[from WSW., n. ☀ ² ☀ ² 10a. to
15	*764	29°963	46°	46°	40°	53°	*288	*242	93	78	SSE 2	WSW 5	9	1	*056	[Noon. ☀ ² ☀ ² p. "Festooned"
16	*911	30°001	51°	51°	43°	55°	*298	*280	78	74	SW 6	SW 3	8	8	—	[evening 3.15p
17	*852	29°808	51°	45°	45°	50°	*312	*255	80	85	SSE 2	WSW 3	8	9	*204	☀ in squalls from SW. a. Very mild.
18	29°951	30°298	46°	43°	42°	51°	*248	*235	80	84	W 5	W by N 3	3	0	—	☀ in squalls p. with
19	30°286	29°996	45°	48°	39°	50°	*255	*300	86	90	SSE 2	S 3	9	10	*012	[rapid fall of temp. [morning
20	*045	30°456	48°	44°	42°	51°	*296	*244	86	84	W 3	WNW 2	6	7	*010	Bar. rapidly rising all day.
21	*585	*673	50°	48°	43°	52°	*322	*286	88	84	W 4	W 2	9	10	—	☀ in squalls a. Mild weather.
22	*635	*547	46°	46°	45°	48°	*256	*260	81	83	W by S 2	W by S 2	10	10	—	Bar. falling gradually.
23	*403	*329	45°	47°	44°	49°	*249	*291	83	89	W by S 2	W 2	10	10	*019	Bar. stationary in evening.
24	*275	*182	47°	48°	45°	52°	*311	*305	95	91	WSW 3	W by S 3	8	9	*010	☀ 10a.
25	*179	30°104	44°	48°	42°	50°	*253	*290	87	87	W by N 2	W by N 4	7	10	—	
26	30°034	29°845	48°	50°	46°	53°	*261	*293	77	81	WSW 3	WSW 4	9	10	—	Bar. falling steadily.
27	29°603	*623	51°	50°	49°	55°	*303	*312	80	86	SSW 3	W 4	9	10	*011	
28	29°668	29°706	54°	52°	49°	57°	*364	*312	86	80	SW 3	WSW 4	10	2	*070	☀ in squalls p.
Means	30°195	30°193	43°	44°	40°	48°	*251	*255	86°	87°	2°	2°	8°	7°	1°	576

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. $3^{\circ} 40' W.$ Lat. $56^{\circ} 27' N.$

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	47°0	46°5	40°7	52°0	in.	in.	9/10	9/10						ins.	
2	29°375	29°321	45°7	46°2	41°8	51°5	°287	°239	90	76	SW	3	S	1	10	2	ins. °10
3	29°076	29°970	45°7	46°2	41°8	51°5	°214	°231	71	74	W	5	W	2	5	5	—
4	30°117	30°165	44°8	47°1	42°7	51°0	°276	°279	93	86	WSW	3	S	4	10	10	—
5	*148	30°019	46°4	43°0	42°0	49°0	°306	°257	97	93	SW	4	SW	2	10	10	*220
6	30°048	29°952	42°8	45°2	36°0	46°0	°201	°231	73	77	WSW	4	SW	3	3	9	*238
7	29°487	*855	48°4	40°7	36°0	52°0	°268	°192	79	76	WNW	7	?	1	4	2	°058
8	*712	29°602	44°0	38°0	31°3	55°0	°265	°173	92	75	WSW	2	W	7	7	0	°019
9	29°870	30°167	38°4	30°0	29°5	43°5	°153	°138	65	82	NW	6	?	1	3	5	—
10	30°168	29°873	28°8	32°2	24°0	37°5	°127	°181	81	99	Calm	0	Calm	0	9	10	*086
11	29°854	29°902	42°0	43°5	31°8	49°5	°231	°223	84	79	SW	2	WSW	2	5	5	—
12	29°865	30°023	46°1	37°8	34°2	50°0	°228	°156	73	68	W	5	SW	2	5	3	—
13	30°303	*386	38°4	36°0	33°2	45°0	°153	°147	65	68	NE	3	NNW	2	5	9	—
14	*484	*586	35°2	32°0	30°2	45°5	°137	°147	66	81	NE	3	NE	1	3	6	—
15	*510	*482	38°6	34°0	30°9	45°0	°180	°158	77	80	SSW	1	W	1	10	0	—
16	*547	*641	39°0	37°8	30°2	43°6	°197	°206	83	91	E	1	?	1	10	10	—
17	*676	*634	40°3	31°3	31°3	47°0	°204	°202	82	73	Calm	0	NNW	2	4	10	—
18	*523	*396	42°3	47°0	39°3	52°0	°220	°233	82	73	W	3	WNW	2	10	10	—
19	*256	*257	47°6	51°1	45°5	55°0	°259	°277	79	74	SW	1	W	3	10	5	—
20	*300	*334	50°8	43°1	42°0	54°5	°251	°229	72	82	NW	2	W	1	10	5	—
21	*314	*263	44°6	35°0	37°0	54°0	°258	°255	71	86	W	2	S	3	5	3	—
22	*122	30°186	44°6	35°0	34°0	49°0	°237	°141	80	69	W	1	NNW	2	4	9	—
23	30°068	29°040	35°0	30°0	27°7	39°0	°126	*106	62	63	NNE	4	N	5	8	0	—
24	*762	*731	36°0	32°4	27°5	39°0	°133	°134	62	73	N	4	N	4	5	0	—
25	*543	*643	29°3	31°9	25°0	39°0	°088	*105	55	59	NNW	6	N	5	2	1	—
26	29°854	*982	30°0	31°5	29°5	41°0	°132	°147	61	83	N	4	N	5	2	0	*010
27	30°008	*787	36°8	33°1	29°5	41°0	°142	*164	65	87	NNW	3	N	2	8	5	*067
28	29°851	*863	36°1	28°3	27°5	42°5	°134	*094	62	61	NNE	3	Calm	0	1	1	—
29	*684	*685	34°8	29°0	21°0	42°5	°121	*130	60	82	?	1	NE	2	2	0	—
30	*707	*624	36°7	29°0	27°0	40°5	°130	*130	63	82	N	2	NNW	2	1	1	—
31	*574	*020	37°0	33°0	27°0	42°0	°142	*107	65	83	N	5	N	2	3	5	—
30	29°324	29°059	31°1	33°0	25°4	38°0	°147	*059	84	84	NNW	2	N	5	1	0	—
Means	29°991	29°995	40°3	37°6	32°6	46°2	*192	*181	74°0	78°0		5°0		2°4	5°6	4°5	0°708

DURHAM.

Height above Mean Sea Level, 335 feet. Long. $1^{\circ} 35' \text{ W.}$ Lat. $54^{\circ} 46' \text{ N.}$







MARCH 1878.

	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.	10 a.m.		
1	29°35'8	29°37'8	48°7	48°0	46°2	57°9	342	302	99	91	SE	1°4	WNW	0°5	10	3	°00
2	29°77'3	30°08'4	48°3	45°9	42°7	53°8	235	244	69	79	W	3°0	W	1°4	1	0	—
3	30°23'2	28°7	49°7	48°2	43°4	52°9	280	263	81	79	SSW	1°1	SW	4°2	10	10	—
4	266	122	48°0	47°0	45°3	51°4	259	275	78	86	SW	5°5	SW	4°2	10	10	—
5	30°21'6	30°06'2	47°8	48°2	40°4	52°4	214	261	65	78	WSW	5°5	W	2°4	3	10	—
6	29°60'5	30°86'9	53°3	42°0	41°7	55°1	276	252	68	94	W	7°1	NNE	2°8	4	10	°059
7	776	29°59'2	51°3	43°3	42°0	55°8	301	189	79	67	W	4°1	WNW	6°2	5	0	—
8	29°88'4	30°13'8	43°0	32°9	32°6	47°2	181	154	65	82	NW	2°4	N	2°2	1	0	—
9	30°18'5	29°88'2	36°7	34°8	24°6	41°7	119	201	54	99	SSW	0°9	S	1°8	9	10	°247
10	29°86'6	29°99'9	47°3	45°7	34°3	52°6	242	239	75	79	NW	2°4	W	2°8	0	5	—
11	29°98'8	30°00'9	48°0	45°7	43°3	52°8	243	229	73	80	W	4°0	NW	3°0	8	7	—
12	30°28'9	33'5	41°3	37°4	31°5	47°5	168	160	65	71	NNW	2°7	N	2°0	3	10	—
13	402	550	37°4	36°3	32°7	42°9	174	165	78	77	NW	3°4	N	1°0	8	9	—
14	502	450	42°8	34°1	30°7	46°6	179	167	64	84	NW	1°2	NNW	1°0	8	0	°006
15	504	613	41°3	36°9	29°1	44°5	217	191	84	87	N	1°1	NE	0°3	9	10	°013
16	675	596	41°0	40°2	32°4	44°6	174	191	68	77	Calm	0	NW	1°5	10	10	°0
17	507	383	48°0	44°3	39°4	51°8	220	247	66	84	NW	1°3	NW	2°4	7	5	—
18	219	218	49°8	49°6	43°9	60°5	253	276	71	78	NW	3°6	NW	2°7	10	10	—
19	278	319	52°2	47°3	43°1	54°2	258	244	67	75	NW	1°4	WNW	1°2	2	10	—
20	366	287	48°2	46°2	39°4	52°8	243	238	73	77	WNW	0°7	WSW	2°5	10	4	—
21	110	30°12'7	52°2	37°2	37°1	56°1	230	172	59	78	WNW	2°8	N	0°5	7	10	—
22	30°00'6	29°87'9	37°0	28°0	27°6	42°2	124	122	57	80	NW	2°2	NW	1°0	6	0	—
23	29°71'6	674	36°8	29°3	25°5	43°8	139	126	63	78	NW	3°3	NW	1°3	1	0	—
24	459	515	55°4	28°7	26°3	37°4	192	137	92	87	NW	1°1	NW	1°8	10	1	°230
25	790	917	37°0	31°2	26°8	40°1	187	153	85	88	NW	2°6	NW	0°8	4	0	°024
26	999	693	39°1	40°0	26°4	46°3	191	189	80	76	NW	2°0	W	5°3	6	3	°102
27	807	802	33°9	29°1	28°8	43°8	163	134	83	85	N	2°3	NW	0°5	10	0	—
28	616	580	37°0	33°2	27°0	41°4	200	179	91	95	NE	1°1	NE	1°1	8	4	°017
29	555	512	39°1	30°9	29°5	41°1	193	137	81	81	NE	6°3	N	3°7	6	0	°122
30	429	503	37°5	32°0	27°3	41°6	177	141	79	77	N	1°8	NNW	1°1	3	0	°022
31	29°25'9	29°08'0	32°9	30°1	28°0	35°7	176	115	93	68	SW	1°3	WNW	1°6	10	0	°130
Means	29°99'0	29°98'2	43°3	38°7	34°5	48°0	211	197	74°4	81°2	2°6	2°1	6°4	4°0	0°982		
Squalls a.																	
with squalls a. and p.																	
with squalls a. and p.																	
with squalls p.																	
2 with squalls a. and p.																	
with squalls p.																	
with squalls a. and p.																	
* in squalls p.																	
* 0																	
* 0 p.																	
* 0 p.																	
* p.																	
* a. and p.																	
* Squally at top.																	
* a. and p.																	
* p.																	
* before roa. ▲ * p.																	
* a. and p.																	
* roa. and p.																	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. $4^{\circ} 30' W.$ Lat. $54^{\circ} 10' N.$

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	48° 9	47° 5	44° 3	51° 9	in.	in.	0/100	0/100	SW 2	WNW 2	10	10	ins.	Thorns and gooseberries begin to bud. [Squally p.
2	29° 38.1	29° 43.1	48° 9	47° 5	44° 3	51° 9	329	347	85	84	N 4-6	WNW 3	8	8	—	
3	29° 8.6	30° 12.6	47° 2	47° 3	42° 5	51° 0	273	271	85	84	W 3	WSW 5	9	5	—	 in squalls p.
4	30° 25.0	29.4	47° 7	47° 0	43° 3	49° 3	297	296	90	92	W 6	SW 7	9	10	202	
5	30.4	18.4	47° 8	47° 7	45° 1	49° 8	306	289	92	88	W 7	W 3	8	9	032	 in squalls p.
6	30° 32.6	30° 18.8	44° 5	48° 2	40° 0	49° 2	251	287	85	86	W 7	W 3	8	9	015	
7	29° 57.0	29° 94.9	49° 2	47° 0	45° 7	51° 0	327	266	94	83	WNW 8	WNW 9	10	4	015	 in squalls p.
8	29° 97.5	29° 84.7	49° 9	46° 8	43° 9	52° 3	331	277	93	87	WNW 6	NW 7-8	10	3	096	
9	30° 01.2	30° 17.7	45° 9	38° 5	36° 5	46° 8	240	213	84	92	NW 6	WNW 3	3	9	037	Squalls 9a. & p. Dry bulb changed from 37° p. [42° to 38° 5 during observation.
10	30° 14.2	29° 87.2	41° 2	45° 8	35° 7	45° 8	201	209	78	97	NNW 1	SW 2	10	9	551	
11	29° 06.7	30° 10.7	45° 1	46° 5	45° 1	50° 0	254	281	85	89	WNW 3	NW 3	4	2	—	Gloomy.  .
12	30° 12.8	11.1	47° 2	46° 5	44° 5	49° 0	280	306	87	97	WNW 4	WNW 4	7	10	070	
13	31.6	35.2	43° 0	42° 0	37° 0	47° 5	201	228	72	85	E 2	NW 2	6	10	—	Beautiful cir. cloud, like network,  p.
14	4.86	57.3	40° 0	34° 5	33° 5	43° 5	181	170	73	84	ENE 2	Calm	0	4	—	
15	5.43	4.63	39° 4	35° 3	28° 6	44° 2	208	199	87	97	E 1	Calm	0	4	—	
16	5.01	6.04	42° 5	42° 5	35° 3	46° 0	224	241	82	89	E 1	E 1	3	10	—	
17	6.81	6.74	41° 8	40° 5	36° 6	43° 9	215	224	81	90	NE 2	NE 1	10	10	—	
18	5.95	5.06	45° 8	46° 5	38° 5	48° 0	272	306	89	97	NNW 1	NNW 3	2	9	041	Clouds moving fast with wind, but a [long heavy cloud stationary [from E. to SW. 9p.
19	5.79	3.42	48° 4	46° 0	45° 1	51° 9	310	290	91	91	NW 4-5	NNW 6	9	9	—	
20	5.48	4.01	49° 5	46° 0	44° 6	51° 4	309	297	88	96	NNW 6	NNW 2	3	10	—	
21	4.21	3.71	47° 4	47° 4	42° 6	52° 2	288	286	89	88	NW 2	NW 1	10	10	—	
22	2.65	30° 21.1	48° 5	38° 7	37° 5	51° 0	290	193	85	83	NW 4-5	N 3	3	1	—	
23	30° 08.4	29° 95.0	39° 0	33° 9	32° 3	42° 7	176	157	75	80	NNE 4	N 1	4	2	—	
24	29° 82.1	72.3	34° 5	32° 1	28° 3	40° 9	184	140	92	76	N 4	NNW 1	10	0	124	* 8.45a.-10a. and 5p.-5.40p. * 6a.-9a. * 1p.-2.30p. * n. with squalls. [ sp.
25	5.66	29° 61.2	32° 4	36° 9	28° 5	40° 0	167	159	90	69	N 6-7	N 7	10	5	025	
26	29° 87.3	30° 00.9	39° 3	35° 5	31° 0	43° 5	161	160	67	77	N 5	N 2	1	2	—	
27	30° 07.7	29° 83.4	40° 3	43° 5	31° 0	45° 0	204	233	82	82	NW 2	W 6	8	10	073	
28	29° 80.5	78.7	39° 0	33° 0	28° 3	40° 9	184	167	79	89	NNE 2	Calm	0	9	558	* n. * < p.
29	5.86	5.09	36° 2	36° 0	30° 5	39° 0	178	142	84	66	E 4	E 6	7	4	018	
30	5.91	5.92	38° 0	32° 8	31° 3	43° 3	173	139	75	74	NE 5	N 3	4	0	—	▲ 8.30a.-8.45a. * 0.30p. Squalls, ▲ * a. Temp. 36° at noon.
31	5.45	5.75	38° 7	36° 0	29° 5	39° 7	164	155	70	72	N 6	N 4	4	2	033	
Means	29° 35.4	29° 19.8	38° 4	34° 0	33° 4	40° 0	202	142	88	73	W 4-6	NW 2	10	2	076	
Means	30° 00.7	30° 05.1	43° 1	41° 4	37° 1	46° 5	239	230	84° 3	85° 6	3° 0	3° 2	6° 7	5° 9	2° 37.3	

WAKEFIELD.

Height above Mean Sea Level, 96 feet. Long. $1^{\circ} 30' W.$ Lat. $53^{\circ} 41' N.$

MARCH 1878.

1	29°48'1	29°42'4	54°2	53°8	50°5	60°0	*361	*353	86	85	SSW	2	SW	2	6	3	190
2	29°84'9	30°17'5	48°4	46°6	44°7	56°2	*268	*259	79	82	W	1	W	1	5	2	—
3	30°23'4	*396	48°8	49°2	41°6	53°4	*277	*252	80	72	W	1	WSW	2	10	10	—
4	*409	*241	48°2	48°9	46°3	55°3	*262	*253	78	73	SW	1	SW	4	7	8	—
5	30°39'2	30°17'8	45°1	50°0	45°0	50°0	*223	*292	74	81	WSW	4	SW	2	4	10	0°30
6	29°81'5	29°89'9	51°0	47°2	47°1	54°0	*300	*251	83	78	W	8	W	3	5	2	0°40
7	*915	29°65'1	47°1	50°0	45°5	53°2	*293	*294	91	82	W	3	WNW	6	6	10	—
8	29°98'0	30°12'2	43°8	38°9	38°9	50°1	*187	*183	65	78	WNW	4	WNW	1	4	5	—
9	30°21'9	29°97'4	33°7	38°6	27°7	43°9	*149	*218	78	93	SSW	1	SSE	1	3	10	—
10	29°92'8	30°10'2	46°4	46°2	38°2	52°0	*256	*249	82	81	W	1	W	2	6	5	0°90
11	30°13'0	*072	48°1	48°2	42°1	52°0	*263	*262	78	78	W	2	W	3	8	7	0°20
12	*316	*335	41°7	38°3	37°2	50°2	*169	*184	65	79	N	2	NNW	1	0	6	—
13	*428	*550	37°1	34°1	33°0	44°9	*148	*156	67	78	NNW	2	NW	1	7	0	—
14	*547	*453	37°7	36°6	30°2	45°9	*178	*186	78	86	WNW	1	Calm	0	1	0	—
15	*503	*584	38°1	39°7	30°9	44°7	*204	*192	88	78	NNW	1	NE	1	10	7	—
16	*691	*560	37°1	40°1	30°2	44°1	*186	*178	84	71	Calm	0	Calm	0	7	8	—
17	*552	*390	43°2	44°2	39°0	49°9	*214	*203	77	91	Calm	0	W	1	10	7	—
18	*301	*251	51°0	47°0	43°5	55°4	*287	*289	77	90	WNW	3	NNW	2	6	0	—
19	*299	*374	49°2	49°2	45°1	56°0	*290	*273	84	78	WNW	1	Calm	0	2	8	—
20	*393	*368	48°4	46°4	40°3	51°1	*262	*266	78	85	W	1	W	2	2	10	—
21	*268	30°12'4	48°7	42°5	41°8	55°0	*270	*205	79	76	W	1	WNW	2	7	3	0°50
22	30°05'0	29°93'6	36°9	31°0	29°2	42°9	*138	*107	63	62	NW	2	NW	1	6	1	—
23	29°77'5	*704	34°9	30°2	28°8	43°7	*149	*109	73	66	NW	2	NW	1	2	3	—
24	*576	*494	36°1	31°8	26°7	40°6	*207	*179	97	100	NW	2	Calm	0	8	10	0°40
25	29°77'5	*984	35°7	32°1	29°2	43°1	*177	*136	84	74	N	3	NNW	2	4	0	—
26	30°05'6	*880	35°7	40°1	27°2	45°9	*144	*172	68	68	W	2	NW	2	3	10	1°70
27	29°79'4	*826	39°1	32°1	32°0	44°9	*164	*152	69	84	NW	1	Calm	0	4	2	—
28	*648	*505	32°3	34°2	26°3	40°6	*145	*146	80	74	Calm	0	ENE	1	10	5	—
29	*507	*485	39°9	34°7	33°6	42°9	*154	*166	63	81	ENE	3	NE	2	6	4	—
30	*403	*514	34°1	35°1	30°3	44°4	*190	*154	97	74	NNW	1	NNW	1	10	3	0°20
31	29°37'0	29°19'1	37°7	30°2	30°0	41°9	*173	*157	76	94	WSW	2	W	2	10	0	0°90
Means	30°05'2	30°02'4	42°2	40°9	36°4	48°7	*216	*211	78°1	79°7	1°9		1°6	5°8	5°1	0°740	

[from S. to W. 5-45 p.
Clouds threatening and tinged with red.
Wind very rough and boisterous 2d.
before ga. Very squally ga.
Wind rough and stormy 11a.

[
]
* before ga.
* before ga.
* p.
* before ga.
*
* a. and p.
* before ga.

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	49.4	51.9	46.1	55.8	in.	in.	96	96	SSW 4	SW 4	10	1	ins.	Very fine all day.
2	29.565	29.452	49.4	51.9	46.1	55.8	28.1	23.8	88	94	NW 3	NW 1	0	0	—	Very fine a. and p. Cloudy middle day.
3	29.833	30.153	47.0	48.8	40.1	54.1	28.1	23.8	88	94	WSW 2	SW 3	2	1	—	Fresh wind all day.
4	30.304	4.06	44.2	45.3	37.6	55.5	26.3	27.6	91	92	SSW 3	SW 4	8	9	—	Cold wind mid-day. p.
5	44.3	30.303	44.2	45.3	37.6	55.5	26.3	27.6	91	92	WSW 2	WSW 7	0	10	0.037	all day.
6	30.466	30.208	42.7	43.8	36.9	50.9	23.1	27.2	84	96	W 8	W 7	9	0	0.002	Very fine with cold wind a. p.
7	29.827	29.866	49.5	44.8	42.9	54.8	31.6	26.6	90	90	W 8	W 7	10	10	—	[●] * later p.
8	29.799	29.678	43.0	49.0	39.8	52.4	27.3	30.1	98	87	W 5	NW 2	1	10	—	middle day.
9	29.898	30.103	41.0	35.2	35.2	49.3	19.7	19.7	77	96	W 5	NW 2	1	10	—	Cold wind.
10	30.229	0.55	35.1	33.9	28.1	42.0	16.1	19.5	77	100	NNW 1	S 2	6	10	—	* a. and p.
11	29.903	1.16	44.1	39.0	32.7	49.9	28.7	22.5	95	95	W 1	W 1	10	0	—	Very fine late p.
12	30.138	0.47	44.7	45.1	37.9	48.9	27.9	28.4	94	94	WSW 1	WNW 4	10	9	0.052	middle day.
13	2.77	3.26	40.3	32.3	32.3	47.9	21.5	17.6	87	97	NNW 1	NNW 1	2	2	—	Cold wind.
14	3.46	0.12	36.6	33.1	32.1	43.2	17.0	17.2	79	91	NNW 4	NNW 1	8	0	—	* a. and p.
15	5.21	4.41	40.0	33.0	29.8	44.9	20.8	17.5	85	93	N 1	NNW 1	3	3	0.008	Very fine late p.
16	4.69	3.74	38.1	34.4	32.6	41.8	22.1	19.3	96	97	NE 1	NE 1	7	9	0.038	* a. and p.
17	6.97	6.58	36.1	33.9	33.0	42.9	17.0	17.2	79	88	NE 1	ENE 1	9	10	—	Very fine late p.
18	5.56	4.62	40.1	40.1	32.8	46.0	22.5	24.3	91	98	N 1	N 1	10	2	—	* a. and p.
19	2.89	2.24	46.8	48.7	38.9	54.0	30.1	32.5	94	95	WNW 1	NW 1	9	9	0.002	Very fine late p.
20	2.82	3.54	46.6	45.8	44.9	52.7	30.2	28.0	95	91	NNW 1	NNW 1	10	10	—	Very fine late p.
21	3.86	3.82	48.3	44.8	41.9	53.0	30.4	27.7	90	94	WNW 1	NW 1	3	10	—	* a. and p.
22	2.48	30.118	48.1	42.4	42.4	57.0	32.1	24.0	96	89	WNW 1	NE 1	8	9	0.014	Very fine with cold wind a.
23	30.029	29.894	35.1	29.9	28.9	44.0	19.0	14.2	93	85	NW 1	NW 1	9	0	—	* a. and p.
24	29.720	7.24	34.0	28.5	25.9	44.2	17.7	14.8	90	95	NNW 2	NNW 1	3	0	0.007	Very fine with cold wind a.
25	5.55	4.46	35.7	28.1	26.6	46.2	19.7	14.8	95	96	NNW 1	NNW 2	5	10	0.348	* a. and p.
26	29.702	9.26	33.1	30.3	27.1	41.8	18.8	15.6	100	92	W 1	NW 2	10	0	0.013	* a. and p.
27	30.046	9.20	34.7	35.0	27.1	44.8	16.8	19.1	83	94	NW 2	WSW 2	2	8	0.140	Very fine late p.
28	29.771	8.19	35.2	29.4	29.4	42.5	16.2	19.5	100	NW 2	Calms	0	7	0	0.045	* a. and p.
29	6.47	4.92	33.1	34.1	26.9	37.6	16.8	18.2	89	92	N 1	E 3	10	9	0.020	Very fine late p.
30	4.39	4.13	36.1	33.1	33.0	39.0	15.7	18.8	74	100	ENE 4	NW 3	10	9	0.246	Cold wind.
31	3.00	4.60	34.7	32.3	28.3	39.1	15.7	18.8	74	100	N 3	NW 2	7	0	0.152	* a. and p.
Means	29.414	29.206	35.9	27.4	27.4	39.7	18.7	14.9	89	100	W 1	NW 1	9	0	0.215	Very fine, but very cold

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

MARCH 1878.

1	29.443	29.442	53.7	49.6	49.2	54.1	35.7	35.6	86	100	SW 5.0	W 5.4	10	10	5.90	Wet and stormy.
2	29.902	30.177	46.6	46.7	44.1	52.3	28.4	24.1	90	77	W 0.6	W 0.6	10	0	—	Very fine p.
3	30.314	3.81	50.6	48.4	45.0	52.1	27.8	26.8	75	79	W 1.2	W 3.4	3	10	—	
4	3.51	2.59	49.0	48.4	47.7	52.2	26.7	30.3	77	89	W 1.2	W 3.0	9	10	0.160	
5	30.412	2.60	46.7	48.0	42.2	50.8	24.1	29.7	77	90	W 2.6	W 3.2	1	0	0.096	
6	29.983	30.113	47.7	47.8	47.2	51.2	33.1	26.4	100	79	SW 5.4	W 1.0	10	10	0.075	Stormy and showery.
7	30.071	29.923	49.3	48.2	45.2	52.1	33.6	31.7	96	95	W 1.2	W 4.0	10	10	0.074	
8	1.15	30.208	44.1	42.6	41.7	49.8	20.5	21.2	70	78	NW 1.2	NW 0.6	10	10	—	
9	1.65	29.943	43.5	47.0	40.2	47.3	22.0	27.0	87	78	W 0.6	W 0.8	8	10	0.114	
10	0.009	30.181	47.5	47.0	43.7	52.2	26.9	27.5	83	86	W 0.6	W 1.2	3	8	—	Very fine all day.
11	1.97	1.76	48.2	47.6	45.5	51.1	28.6	29.0	86	89	W 4.0	W 1.4	10	10	0.136	
12	3.06	3.60	46.7	43.3	42.0	52.1	23.6	22.5	75	80	NE 0.4	N 0.4	1	10	—	Very fine all day.
13	3.90	5.49	40.7	41.2	38.9	45.2	16.8	16.0	66	62	E 1.8	NE 1.4	9	8	—	Very fine all day.
14	5.63	4.61	39.8	38.0	31.4	48.4	17.7	18.5	72	81	NNE 1.0	N 0.4	5	1	—	Very fine all day.
15	4.98	5.98	43.1	42.5	32.1	46.9	21.4	19.2	77	71	NW 0.4	E 3.2	0	10	—	Very fine all day.
16	6.77	6.99	43.5	38.8	36.8	46.1	18.4	15.4	64	65	E 0.6	NE 0.2	9	7	—	∞ p. but fine.
17	6.23	5.24	44.3	45.8	37.3	53.0	23.2	20.2	79	95	W 0.6	W 0.8	10	10	0.010	∞ p.
18	4.28	3.90	50.4	46.8	45.5	51.7	32.4	29.8	89	93	W 0.6	W 1.2	6	10	—	Very fine from 11a.
19	3.86	4.17	49.2	46.6	45.4	54.9	29.3	28.9	84	92	NW 0.6	NW 1.2	7	10	—	
20	4.43	4.21	46.8	47.0	44.3	55.1	27.7	26.9	87	84	NW 0.4	W 0.4	10	10	—	
21	3.06	30.242	48.5	41.7	41.6	55.2	29.4	18.8	87	73	W 0.6	NW 1.0	10	0	0.015	
22	30.087	29.965	40.8	34.6	33.3	45.0	15.8	17.6	62	88	NE 3.0	N 3.2	10	10	—	* shower 7.30a. Very fine but cold.
23	29.817	7.08	40.2	38.2	33.8	43.5	14.9	17.4	60	76	N 0.8	NW 3.4	5	10	0.037	Frequent * showers after 11a.
24	6.31	29.568	42.3	39.5	32.6	44.1	18.6	16.3	70	68	NW 2.8	NW 3.4	5	9	0.177	Constant * and Δ showers. 8p.
25	29.877	30.011	39.2	39.8	32.8	45.6	16.0	16.6	68	68	N 4.6	N 1.2	7	1	—	Windy a. Very fine and cold p.
26	30.108	29.947	44.0	41.5	36.1	51.5	18.1	20.0	62	77	NE 1.0	WNW 3.2	2	0	0.106	Very fine all day.
27	29.853	7.85	42.1	36.1	35.0	49.1	18.8	14.8	71	69	NE 0.6	NE 0.4	6	0	0.010	Beautifully fine.
28	5.74	4.69	35.4	34.3	31.6	36.9	17.1	17.2	82	86	E 4.0	SE 5.0	10	10	0.140	*. Thoroughly snowy and stormy
29	4.99	5.68	38.6	39.0	33.8	43.0	15.8	14.8	68	62	E 7.0	NE 7.4	9	8	—	* a. Very cold and windy. Fine
30	4.99	5.68	38.6	39.0	33.8	43.0	15.8	14.8	68	62	E 7.0	NE 7.4	9	8	—	* a. Very cold and windy. [aft.]
31	29.412	29.261	40.6	35.3	34.0	46.1	21.1	13.0	84	63	W 1.4	N 0.6	10	0	0.110	* and Δ showers.
Means	30.095	30.084	44.6	42.9	39.5	49.1	23.2	22.5	77.3	79.7	2.0	2.1	7.2	6.9	1.850	

BUXTON.

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

MARCH 1878.

Day	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 a.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	50.9	44.9	42.6	52.9	in.	in.	%	%	NW 2	NW 1	10	10	ins.	790
2	29.524	29.529	45.1	42.9	40.6	52.9	34.4	27.4	93	92	NW 3	NW 1	3	10	—	
3	29.856	30.181	45.5	44.9	41.8	49.6	26.6	27.4	88	92	W 1	W 1	5	6	—	a. and p. before ga.
4	30.336	4.09	44.8	43.7	41.4	52.0	25.2	24.5	85	85	SW 1	SW 4	8	4	110	
5	4.54	2.58	40.9	46.2	36.2	47.1	21.5	27.9	84	91	W 2	W 4	2	10	350	
6	30.458	30.224	44.9	43.4	41.8	47.6	29.8	25.9	100	92	W 4	W 2	10	10	370	
7	29.951	29.970	46.4	46.3	43.0	47.9	27.9	28.0	89	90	W 2	W 6	10	10	320	
8	30.002	29.786	38.9	36.9	35.0	47.1	19.9	20.1	85	92	NW 2	NW 1	5	2	050	before ga.
9	0.45	30.142	33.8	38.5	27.0	39.2	13.4	20.5	68	89	NE 1	SW 2	6	10	300	before ga.
10	30.233	29.972	41.6	42.7	38.5	46.6	24.1	23.5	92	85	N 3	NW 2	10	8	010	
11	29.983	30.159	43.9	43.7	42.0	46.1	25.3	26.7	88	93	W 4	W 2	10	10	450	
12	349	424	40.1	35.2	32.5	50.1	18.3	17.2	73	84	E 1	N 1	4	6	—	
13	472	585	34.4	34.7	32.0	42.9	15.2	15.0	76	76	N 1	NW 1	4	3	—	
14	544	460	37.1	34.9	27.1	41.8	19.6	18.1	88	89	N 1	NW 1	4	2	—	
15	516	588	36.7	35.7	28.4	41.9	18.8	17.6	87	84	NE 1	NE 1	8	10	—	before ga.
16	717	660	35.8	36.9	34.2	40.0	18.8	20.1	90	92	NE 1	N 1	5	10	—	
17	639	491	38.9	41.1	35.5	44.1	19.9	23.2	85	90	NW 1	NW 1	9	10	—	
18	561	316	44.7	43.9	42.2	48.1	25.5	26.4	86	92	N 3	NW 2	8	10	—	before ga.
19	322	420	43.5	43.9	42.0	50.6	24.7	24.7	87	86	NW 1	NE 1	10	8	—	before ga.
20	468	415	42.1	42.7	39.5	44.6	24.1	23.9	90	87	NW 1	NW 1	10	10	020	
21	277	30.195	45.2	37.1	37.1	50.1	26.7	19.9	89	90	N 2	W 2	6	4	010	
22	30.116	29.934	31.7	28.9	27.4	39.0	14.8	13.3	83	84	N 1	NW 1	10	2	—	a. and p.
23	29.786	705	31.9	28.9	26.0	38.5	15.9	11.7	88	75	NW 1	NE 1	3	2	100	p.
24	555	29.519	33.3	27.3	26.5	37.4	17.2	12.3	90	83	N 2	NW 1	6	2	—	before ga. * p.
25	29.798	30.024	35.1	29.9	27.9	41.8	16.4	14.2	79	85	N 1	NW 1	8	0	—	before ga. * p.
26	30.084	29.936	33.1	34.1	29.9	42.1	16.6	16.6	88	84	NW 1	NW 2	2	0	290	p.
27	29.824	828	34.9	28.9	23.4	41.5	18.4	13.3	91	84	N 1	NE 1	3	5	010	before ga. * p.
28	657	548	29.7	29.9	28.9	33.3	14.5	14.2	88	85	E 1	E 1	10	8	150	all day. p. * p.
29	407	518	33.9	31.1	29.9	39.0	16.5	14.3	84	81	E 4	E 3	8	10	—	before ga. * p.
30	420	572	32.3	30.9	27.8	40.0	15.4	13.3	84	76	N 2	NW 2	4	0	—	before ga. * p.
31	89.447	29.229	29.9	28.9	27.6	39.0	14.2	07.8	85	50	W 3	W 1	6	0	—	before ga. * p.
Means	30.090	30.068	38.7	37.4	34.1	44.3	20.8	19.7	86.1	85.2	1.8	1.7	6.7	6.2	3.330	

UPPINGHAM.

Height above Mean Sea Level, 484 feet. Long. 0° 44' W. Lat. 52° 35' N.
MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	52.2	52.8	43.3	55.7	in.	in.	98	95	SW 6	swb.w 6	10	10	ins.	prevalent. Rough night.
2	29.613	29.519	47.8	47.8	40.4	53.4	2.03	2.20	87	88	WNW 5	Calm 0	4	1	—	
3	29.854	30.186	47.8	47.8	40.4	53.4	2.03	2.20	87	88	WNW 5	Calm 0	4	1	—	
4	30.333	30.438	43.7	45.1	36.4	54.9	2.54	2.79	83	93	WSW 1	swb.w 4	9	3	—	
5	30.491	30.555	45.9	46.7	40.2	52.2	2.83	2.70	93	85	WbyS 5	SW 7	10	6	—	
6	30.483	30.291	41.9	44.4	35.8	49.8	2.24	2.81	85	96	WbyN 5	SW 7	1	10	—	
7	29.940	29.916	50.0	47.7	39.3	54.3	3.07	2.55	85	78	W 9	NW 6	9	3	—	
8	30.036	29.795	45.1	49.6	43.7	55.0	2.52	2.87	84	82	swb.w 3	NW 7	9	10	—	
9	30.072	30.100	42.4	39.4	38.2	49.6	2.00	1.91	75	80	NW 6	NW 3	2	10	0.012	
10	30.232	30.058	33.9	36.7	29.8	43.5	1.28	2.06	67	95	N by E 1	SSW 2	10	10	0.052	
11	30.926	30.152	44.3	40.2	36.1	50.0	2.82	2.18	97	89	WbyN 1	swb.w 3	10	0	—	
12	30.197	30.136	45.9	45.0	39.8	50.8	2.71	2.75	89	92	WbyN 4	WSW 3	10	10	0.150	
13	30.291	30.317	40.9	38.0	37.8	49.5	1.86	2.03	73	89	N	ENE 1	9	9	—	
14	30.373	30.499	37.8	34.0	32.8	41.8	1.74	1.42	76	73	N by E 2	N	8	2	—	
15	30.533	30.440	38.0	36.0	30.3	45.0	1.87	1.77	81	83	N by E 2	N by E 2	9	0	—	
16	30.456	30.549	36.8	36.0	32.8	43.5	2.01	1.89	93	89	N by W 3	NE 2	10	10	—	
17	30.668	30.607	36.2	31.4	30.8	49.1	1.59	1.29	75	73	NE 2	Calm 0	10	9	—	
18	30.570	30.487	39.7	42.1	31.0	46.1	2.02	2.36	82	88	NNW 2	NNW 1	10	10	—	
19	30.338	30.250	46.9	46.0	40.0	53.3	2.95	2.89	93	94	NW 4	NW 4	10	10	—	
20	30.294	30.375	47.0	45.4	42.3	50.9	2.87	2.71	90	90	NW 2	Calm 0	10	10	—	
21	30.406	30.398	46.8	44.3	41.6	47.8	2.77	2.60	87	89	swb.w 3	NW 1	10	10	—	
22	30.148	30.148	45.4	44.2	42.1	53.1	2.56	2.14	85	74	swb.w 3	NNW 4	10	6	—	
23	30.054	29.903	34.2	33.2	31.4	44.2	1.58	1.59	80	83	N	N by W 3	10	9	—	
24	29.770	29.691	32.3	31.1	25.4	42.2	1.05	1.55	58	88	N by W 2	NW 2	0	0	—	
25	29.609	29.471	35.2	27.1	24.2	43.3	1.41	1.07	68	74	NW 1	N by W 1	5	8	0.050	
26	29.695	29.956	34.0	30.8	26.3	42.0	1.82	1.32	92	75	NNW 3	NNW 1	9	0	—	
27	30.069	30.081	35.2	33.5	27.2	45.1	1.35	1.46	66	76	NNW 1	WNW 2	3	0	0.056	
28	29.794	29.823	36.1	32.2	31.9	45.7	1.67	1.51	78	82	NNW 3	Calm 0	2	5	—	
29	30.638	30.425	31.9	32.8	29.9	37.6	1.66	1.49	93	80	NE 1	E 2	10	10	0.337	
30	30.343	30.382	36.0	32.8	32.3	38.8	1.55	1.49	72	80	NE 5	N 3	10	5	—	
31	30.318	30.484	33.6	32.7	28.9	40.8	1.52	1.48	79	80	N 6	N 3	7	0	0.040	
Means	30.067	30.047	40.4	38.8	34.5	47.5	2.13	2.07	82.1	84.4	3.2	2.6	7.9	6.3	0.658	

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.
MARCH 1878.

1	29.585	29.519	51.9	53.0	48.9	56.2	3.76	3.52	98	87	SSW 5	SW 7	10	10	0.090	
2	29.885	30.199	47.2	42.0	42.0	53.7	2.06	2.27	83	86	NW 4	WNW 2	7	5	—	
3	30.340	30.428	48.0	46.0	38.4	56.9	2.76	2.67	83	87	SW 4	SW 4.5	10	10	—	
4	30.478	30.352	46.1	45.9	43.8	52.9	2.75	2.47	89	81	SSW 3	SW 7	10	10	—	
5	30.483	30.290	42.1	46.3	36.1	52.4	2.20	3.02	83	97	WSW 6	SW 4	0	10	—	
6	29.992	29.995	50.8	48.6	46.3	54.9	2.97	2.42	81	70	WSW 8	NW 7	10	10	—	
7	30.061	29.804	47.2	50.0	43.8	54.2	2.95	2.78	92	78	SW 2	W 8-9	10	9	0.010	
8	30.142	30.156	41.6	39.0	38.7	50.3	2.05	2.01	78	85	NW 7-8	NW 4	9	3	0.010	
9	30.231	30.077	35.1	41.4	33.0	41.9	1.38	2.56	67	99	E 2	SSE 2	10	10	0.050	
10	29.962	29.962	44.9	40.0	39.2	50.1	2.56	2.17	87	88	NW 3-4	WSW 2	9	1	—	
11	30.225	30.177	46.0	46.1	39.0	52.7	2.72	2.75	88	89	WSW 4	SW 4	9	10	0.120	
12	30.301	30.316	42.0	40.0	39.9	50.1	2.27	1.84	86	74	NE 3	NNW 2	10	8	—	
13	30.419	30.531	36.0	35.0	34.9	42.9	1.41	1.48	65	72	NNE 3	NE 1	9	9	—	
14	30.553	30.461	37.2	35.5	29.8	44.7	1.73	1.80	78	86	N	NNW 1-2	9	8	—	
15	30.473	30.563	38.2	38.0	29.3	42.7	1.92	1.90	84	83	NNW 2	NNE 2	1	10	—	
16	30.682	30.679	36.5	35.1	30.9	41.7	1.52	1.50	70	73	NE 3	NW 0-1	9	9	—	
17	30.610	30.511	39.2	43.0	34.9	46.5	2.14	2.40	89	86	NNW 3	NW 3	10	10	—	
18	30.379	30.299	47.6	46.0	42.3	52.4	2.93	2.89	90	94	NW 4	WNW 6	10	10	—	
19	30.317	30.382	47.0	44.0	43.2	52.2	2.68	2.59	84	90	NNW 4	NW 2	9	9	—	
20	30.430	30.418	44.6	44.0	42.4	47.6	2.48	2.50	84	86	NW 3	NW 1	10	10	—	
21	30.319	30.173	47.7	42.1	42.1	52.2	2.50	2.44	76	91	W 3	WNW 3	9	0	—	
22	30.063	29.934	36.1	30.0	29.6	42.4	1.72	1.28	80	76	NNE 1	NNW 2	8	1	—	
23	29.812	29.715	33.0	31.0	25.0	42.1	1.27	1.64	67	94	NW 4	W 2	0	1	—	
24	30.624	30.502	34.9	30.5	25.1	42.9	1.40	1.50	69	92	NNW 3	NW 3	10	0	0.040	
25	29.771	29.998	34.0	30.7	26.0	42.8	1.48	1.33	75	77	NNW 4	NW 2	2	1	0.020	
26	30.097	30.095	36.3	36.0	27.0	45.5	1.58	1.75	74	82	WNW 2	WNW 4	7	9	0.070	
27	29.821	29.800	37.7	35.8	31.9	45.0	1.93	1.59	85	75	N	ENE 2	5	10	220	
28	30.598	30.417	30.5	30.2	29.7	36.1	1.71	1.53	100	90	ENE 4	ENE 7	10	10	0.210	
29	30.362	30.437	34.8	34.4	29.9	39.6	1.43	1.56	70	78	NE 7	NNE 6-7	10	9	—	
30	30.384	30.547	34.9	32.2	26.0	41.9	1.34	1.55	66	85	N 6	NW 2	1	0	0.010	
31	29.473	29.252	37.0	30.1	29.0	43.3	1.70	1.65	77	99	SW 3	N 0-1	9	0	0.050	
Means	30.089	30.066	40.8	39.4	35.4	47.4	2.13	2.11	80.6	84.8	3.8	3.4	7.8	6.8	0.900	

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.
MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	54.0	52.5	49.2	56.4	in.	in.	80	87	W 6	SW 4	7	8	ins.	in squalls ga.
2	29.539	29.560	46.6	41.4	40.6	53.7	2.66	2.31	84	89	WNW 1	NW 1	5	5	—	Pleasant.
3	29.931	30.250	46.6	47.0	38.2	53.3	2.53	2.69	82	84	W 1	S 1	3	8	—	—
4	30.377	30.464	46.5	45.8	44.9	51.9	2.61	2.56	84	83	SW 1	SW 6	9	5	—	Cool wind.
5	30.516	30.313	43.6	48.0	36.9	49.4	2.17	2.59	75	93	W 2	NW 2	1	2	0.030	—
6	30.093	30.082	48.4	48.0	46.3	51.7	2.84	2.26	84	68	WNW 6	NW 4	10	5	—	in squalls p.
7	30.115	30.946	50.2	47.3	43.7	54.1	3.44	2.93	96	90	WNW 3	W 5	7	7	—	—
8	30.119	30.196	43.2	41.9	41.0	49.5	2.08	1.95	74	75	N 2	N 0.5	9	9	—	Cold wind. p.
9	30.214	30.997	41.5	44.0	37.3	45.0	1.91	2.05	74	92	Calm 0	W 1	9	10	0.021	—
10	30.013	30.224	45.9	43.9	41.1	49.2	2.40	2.37	79	82	WNW 1	N 2	8	2	—	Cold wind.
11	30.257	30.233	47.5	45.7	42.8	48.7	2.63	2.67	81	88	NW 2	NW 2	8	10	0.028	Cold wind.
12	30.321	30.362	44.7	41.7	40.6	50.1	2.64	2.30	89	88	N 0.5	Calm 0	9	9	—	—
13	30.473	30.602	36.1	35.2	34.0	42.8	1.51	1.55	71	75	NE 0.5	Calm 0	4	1	—	Cold NE. wind.
14	30.596	30.502	32.9	35.3	25.3	46.9	1.54	1.61	82	77	Calm 0	NE 1	1	3	—	—
15	30.522	30.612	32.3	37.4	25.3	45.6	1.54	1.76	84	79	ENE 0.5	NW 1	0	7	—	Cold wind.
16	30.709	30.715	37.8	33.4	29.8	42.3	1.43	1.52	63	80	E 1	Calm 0	1	10	—	Cold wind.
17	30.653	30.543	38.7	43.4	33.0	46.8	1.76	2.38	76	84	WNW 0.5	NW 1	10	10	0.016	—
18	30.440	30.374	46.6	47.1	42.4	52.6	2.92	2.83	93	87	WNW 1	WNW 2	9	10	—	—
19	30.376	30.435	47.4	40.0	36.6	51.9	2.49	2.14	77	87	NW 0.5	Calm 0	9	0	—	—
20	30.454	30.444	44.0	44.2	37.1	47.9	2.05	2.67	92	92	NW 0.5	NW 0.5	9	10	—	—
21	30.358	30.234	46.7	41.7	41.1	51.7	2.65	2.36	84	90	W 1	NW 1	9	10	—	—
22	30.111	29.973	36.1	39.9	29.9	42.5	1.62	1.48	76	85	NW 0.5	NE 1	9	5	—	[day, not lying]
23	29.863	30.735	31.0	32.8	25.7	39.1	1.49	1.74	85	93	WNW 1	Calm 0	8	10	1.01	* n. and at intervals during
24	30.682	30.582	33.0	30.9	27.2	40.9	1.47	1.44	78	82	W 1	NE 1	5	8	2.01	* storms a. and p.
25	29.829	30.048	33.0	32.2	25.3	40.7	1.60	1.30	86	71	N 1	WNW 0.5	4	1	—	* before ga. +.
26	30.129	30.006	37.8	36.9	27.3	43.5	1.63	1.49	71	69	WNW 1	WNW 2	1	2	1.56	* n.
27	29.860	29.706	38.0	37.5	32.6	45.2	1.74	1.58	76	71	N 2	Calm 0	1	9	—	* Sunny and cold.
28	30.595	30.408	31.2	30.6	29.7	37.9	1.72	1.62	98	96	E 2	E 2	10	10	1.47	* all day.
29	30.436	30.538	33.7	33.9	29.1	38.7	1.79	1.55	92	79	E 4	NNE 5	9	8	—	* a. +. Slight thaw.
30	30.472	30.611	31.8	33.9	25.4	41.7	1.66	1.43	93	74	NE 1	N 0.5	9	1	—	* a.
31	29.502	29.266	36.4	31.2	28.6	43.9	1.43	1.75	66	100	W 1	Calm 0	10	1	—	* 0 p.
Means	30.130	30.100	40.7	39.9	35.2	47.0	2.13	2.11	81.6	83.5	1.5	1.5	6.5	6.3	0.914	

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	52.6	54.6	50.1	58.2	in.	in.	93	88	SW	2	W	3	10	10	ins.	0.30	
2	29.683	29.573	50.4	43.6	41.3	54.6	309	307	84	88	NW	2	NW	1	3	0	—		
3	30.346	30.208	48.1	39.9	34.2	57.0	308	239	92	98	NW	1	W	2	0	8	—		Clear throughout.
4	53.1	37.2	46.6	43.6	33.2	55.3	271	255	86	89	W	1	NW	1	0	0	—		
5	47.4	30.265	44.3	46.1	40.2	53.1	203	206	69	89	NW	2	NW	2	4	10	—		Cold wind in afternoon.
6	015	29.925	51.4	49.6	45.3	56.0	292	334	77	95	W	3	W	3	10	10	—		
7	30.042	29.797	49.6	51.8	46.2	55.1	255	268	72	70	W	2	W	4	8	10	—		
8	29.945	30.066	44.4	41.7	41.6	54.4	187	193	64	75	NW	4	NW	3	0	3	—		
9	30.217	30.337	34.7	38.8	29.2	45.0	144	222	71	95	NW	1	SE	2	7	10	0.04		
10	29.930	30.142	46.4	42.6	38.0	52.1	286	227	91	83	W	2	NW	1	10	4	0.04		
11	30.214	30.125	46.9	47.6	40.4	51.4	270	264	85	81	NW	2	NW	3	10	10	1.30		
12	25.1	29.0	42.4	33.8	33.2	48.1	188	186	71	95	NW	2	NW	1	4	8	—		☼ at night.
13	30.7	30.7	31.1	31.0	42.4	166	154	73	89	NW	2	NW	1	7	0	0.10			☼ at night.
14	499	397	34.3	36.6	26.2	49.0	170	191	85	89	NW	2	NW	1	7	7	0.30		
15	411	503	34.4	34.1	31.0	43.1	186	152	95	76	N	2	NE	2	10	7	—		☼ at times a.
16	626	625	38.6	26.1	26.1	43.3	138	131	59	93	NE	2	N	2	5	0	—		☼ at times a.
17	544	446	38.3	43.8	24.2	47.1	184	223	79	77	N	2	NW	2	7	10	—		☼ at times a.
18	315	203	47.8	48.1	41.3	54.1	284	316	86	94	NW	2	NW	2	10	10	0.10		☼ at times a.
19	257	343	46.6	45.3	44.7	50.0	298	261	95	87	NW	2	NW	1	10	10	—		☼ at times a.
20	385	378	47.6	46.6	43.3	50.7	264	249	81	79	W ?	1	NW	1	7	10	—		☼ at times a.
21	286	30.119	47.5	48.5	44.5	53.7	261	238	80	70	NW	2	NW	2	10	10	0.30		☼ at times a.
22	30.005	29.875	36.3	30.6	30.4	48.4	196	139	92	81	N	2	NW	1	10	0	—		☼ at times a.
23	29.739	29.661	33.1	33.1	24.7	41.3	139	149	73	79	NW	2	NW	2	0	0	—		☼ at times a.
24	583	426	36.3	26.9	26.2	45.1	185	143	87	98	NW	3	NW	4	0	10	2.10		☼ at times a.
25	29.637	29.20	33.3	32.0	25.8	36.0	179	169	95	94	NW	3	NW	3	7	0	0.30		☼ at times a.
26	30.058	29.777	34.9	35.9	27.7	41.1	176	156	86	74	NW	3	NW	2	4	0	0.30		☼ at times a.
27	29.778	29.788	35.6	28.8	28.2	47.2	198	149	96	94	NW	3	NW	1	10	0	—		☼ at times a.
28	599	361	36.6	36.9	27.8	41.1	193	183	90	84	NE	2	NE	3	10	10	1.10		☼ at times a.
29	259	290	32.4	34.6	32.2	37.1	168	156	92	77	NE	3	NE	2	10	3	2.40		☼ at times a.
30	227	427	33.6	33.8	29.4	39.1	156	81	80	N	3	N	3	7	0	1.00			☼ at times a.
31	29.464	29.203	37.8	36.6	29.9	43.1	170	203	75	94	NW	2	W	2	5	10	3.30		☼ at times a.
Means	30.047	30.021	41.3	39.5	34.4	48.2	219	213	82.4	85.6	2.2		2.0	6.5	5.8	1.350			

CARMARTHEN.

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

MARCH 1878.

1	29.642	29.607	51.5	51.6	48.4	54.1	375	374	99	98	SW	4	SW	3	10	10	2.70
2	29.991	30.268	49.8	43.6	43.6	53.9	301	279	84	98	NW	1	NW	1	8	1	0.10
3	30.408	30.469	43.4	48.0	38.1	52.2	281	288	100	87	Calm	0	W	3	10	10	—
4	490	381	48.2	47.5	46.0	49.6	288	324	86	99	SW	2	SW	3	10	10	0.50
5	574	391	46.1	49.2	36.4	51.6	257	338	83	97	W	1	SW	2	0	10	2.70
6	163	138	49.8	49.2	48.6	54.8	336	302	94	87	W	4	NW	3	10	7	—
7	156	051	53.6	50.0	46.2	57.9	366	336	89	94	NW	3	NW	4	6	10	—
8	156	30.212	48.2	40.7	40.7	52.2	249	241	74	95	NW	3	N	1	5	1	—
9	193	29.977	42.9	46.5	39.6	47.6	258	307	94	97	SE	1	SW	1	10	10	2.20
10	079	30.260	46.9	46.9	42.4	53.0	256	288	81	91	NW	1	NW	1	4	9	—
11	314	277	49.0	47.5	45.8	52.6	293	304	85	94	NW	2	W	1	9	10	0.30
12	303	348	50.1	45.3	45.2	53.8	349	293	96	97	N	1	NW	1	10	8	—
13	402	555	45.9	35.2	35.2	50.0	259	176	85	86	N	1	Calm	0	7	0	—
14	575	472	37.0	37.8	26.8	48.8	184	215	84	95	Calm	0	N	1	0	8	—
15	475	561	44.5	40.9	29.5	53.2	227	225	77	88	E	1	E	1	0	8	—
16	669	668	41.9	38.0	37.7	48.1	196	213	75	93	E	1	W	1	9	10	—
17	668	598	40.4	43.6	36.2	49.1	219	261	88	92	Calm	0	Calm	0	10	9	0.30
18	466	387	50.2	48.6	43.4	57.3	315	305	87	90	NW	1	N	1	9	10	—
19	388	414	52.6	44.7	43.7	55.3	311	270	78	91	N	1	N	1	3	7	—
20	454	429	46.9	44.7	44.0	53.2	286	281	90	96	N	1	Calm	0	10	10	—
21	344	30.193	47.8	44.2	42.5	55.6	303	286	91	98	SW	1	Calm	0	10	10	—
22	30.089	29.959	43.5	33.6	33.3	55.8	218	156	77	81	N	1	Calm	0	9	0	1.00
23	29.879	29.709	36.3	34.7	28.5	60.0	184	197	86	98	N	1	N	1	10	9	2.70
24	714	29.597	36.0	38.2	31.1	46.0	182	174	87	76	N	1	N	5	9	4	2.00
25	29.862	30.064	41.9	34.9	33.0	46.5	180	179	69	88	N	3	N	1	2	1	0.80
26	30.148	30.050	40.1	32.4	32.4	47.6	223	151	90	82	E	1	Calm	0	9	0	1.40
27	29.850	29.742	47.2	39.9	31.2	52.9	253	197	79	80	N	1	N	1	6	10	1.00
28	500	242	34.5	33.7	32.5	43.5	199	181	100	93	N	1	NE	4	10	10	0.30
29	362	489	36.2	36.3	33.0	42.7	214	162	100	76	NE	4	N	3	10	0	0.30
30	486	648	40.5	33.3	31.0	45.0	167	180	66	95	N	3	N	1	1	1	0.40
31	29.529	29.255	40.2	36.0	32.5	46.3	205	208	83	98	W	2	Calm	0	10	10	1.70
Means	30.140	30.110	44.6	41.8	38.0	51.0	256	248	85.7	91.3	1.5	1.5	7.3	6.9	2.040		

ga.

ga.

☼⁰ and ▲.

☼ and ▲.

☼ and ▲_p.

Frequent

Frequent

Frequent

☼.

☼ during night.

Occasional ☼.

ga.

ga.

ga.

MARCH.

MARLBOROUGH.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	[Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	51.9	51.8	48.5	55.5	in.	in.	%	%						ins.
2	29.747	29.663	50.2	45.7	45.3	56.7	.378	.377	98	99	SW 3	SW 2	10	10		.319
3	29.924	30.248	50.2	45.7	45.3	56.7	.298	.248	82	82	Calm	Calm	0	1	10	—
4	30.422	.514	43.0	43.4	36.2	56.7	.275	.261	99	93	W 1	W 1	5	0		☼ before ga. ☼ ga. D
5	.575	.456	45.9	44.5	41.0	53.9	.261	.266	86	91	Calm	SW 1	10	8		—
6	.584	.433	42.6	43.6	36.4	54.1	.225	.280	83	98	W 1	SW 1?	1	10	.010	—
7	.157	30.071	48.2	48.6	41.3	53.0	.303	.254	91	76	SW 3	W 1	10	4		☼ p.
8	.146	29.977	48.7	47.0	40.4	56.7	.289	.281	85	88	SW 2	SW 4	0	5		—
9	.095	30.195	45.7	41.2	41.1	50.6	.199	.208	65	81	NW 1	Calm	0	1	10	—
10	.247	.074	40.2	42.5	38.2	48.0	.199	.263	81	97	Calm	W 1	10	10	.080	—
11	.000	.238	46.4	40.7	40.7	52.9	.281	.227	90	89	Calm	Calm	0	9	0	—
12	.312	.267	45.2	45.5	37.1	51.9	.264	.274	88	90	W 1	W 3	10	10	.040	D
13	.291	.329	46.0	40.9	40.9	49.5	.301	.249	97	98	N 1	Calm	0	10	6	—
14	.400	.500	37.5	38.0	35.1	45.1	.187	.160	84	69	Calm	N 1	10	9		☼ at night.
15	.567	.462	35.8	36.2	26.8	47.0	.153	.181	73	85	Calm	N 1	9	9		☼ before ga. ☼
16	.462	.546	36.1	37.1	29.5	43.6	.188	.171	89	77	N 1	Calm	0	10	9	—
17	.659	.692	36.2	30.6	30.2	43.6	.160	.127	75	74	NE 1	Calm	0	9	0	—
18	.635	.546	34.1	41.0	26.3	47.8	.159	.210	81	82	Calm	W 1	10	10	—	—
19	.427	.329	45.3	47.9	40.4	55.5	.269	.271	89	82	Calm	W 1	10	10	—	—
20	.343	.401	47.4	41.7	41.7	54.3	.264	.230	81	88	NW 1	Calm	0	10	4	—
21	.460	.447	45.7	45.3	38.8	56.3	.250	.238	82	79	Calm	Calm	0	10	10	—
22	.367	30.206	45.7	42.7	42.2	55.5	.252	.250	83	91	Calm	Calm	0	10	5	—
23	30.068	29.938	41.7	33.9	33.9	47.3	.174	.154	66	78	NW 1	NW 1	0	0	—	—
24	29.836	.741	35.8	31.8	24.3	44.0	.144	.170	68	95	NW 1	Calm	0	0	.040	* p. ☼
25	.668	29.527	36.4	30.6	27.7	46.1	.174	.171	81	100	N 2	NW 1	0	0	.160	* a. and p. ☼
26	29.734	30.026	31.8	32.3	26.2	43.0	.154	.140	86	77	NW 1	NW 1?	3	0	—	☼ ⁰ ga. ☼ p.
27	30.133	30.068	39.6	33.8	35.6	49.1	.171	.170	70	87	Calm	NW 1	0	0	.010	* a. and p. ☼
28	29.854	29.793	37.8	34.6	30.9	50.7	.209	.148	92	73	W 1	Calm	0	10	0	—
29	.552	.307	34.1	31.8	30.7	37.0	.184	.177	94	99	E 1	NE 2	10	10	.624	* ⁰ ga. ☼ p.
30	.235	.368	31.6	31.7	29.0	35.8	.168	.176	95	99	NE 5	NE 1	10	0	.185	* a. and p. ☼
31	.363	.571	32.5	33.5	26.5	39.9	.160	.153	87	81	N 3	N 1	7	0	.032	* p. ☼ about 2 1/2 ins. deep.
31	29.568	29.238	34.6	39.7	27.9	44.1	.153	.224	77	92	W 1	W 2	10	10	.155	—
Means	30.124	30.102	41.1	39.7	34.9	49.2	.221	.216	83.8	86.8	1.0	0.9	6.9	5.8	1.655	—

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	51.3	52.1	48.1	53.4	365	360	97	92	SW 6	SW 4	10	10	ins.	2 with squalls all day.
2	29.848	30.213	51.2	46.7	46.5	50.4	369	246	98	78	SW 2	NW 1	10	1	0.020	Squalls before 9a.
3	30.377	50.1	45.7	45.9	39.6	57.4	248	280	82	92	W 3	W 1	3	2	0.015	a. and 9p.
4	59.5	54.7	46.1	42.4	40.9	51.6	270	258	87	95	SW 2	W 1	10	1	—	with squalls. 9p.
5	51.2	30.422	45.1	43.4	40.8	54.2	223	246	74	87	NW 3	SW 4	5	5	—	9p.
6	0.71	29.936	51.1	50.2	42.8	54.6	306	251	81	69	SW 5	SW 7	9	10	—	with squalls p.
7	30.073	29.820	49.5	52.2	41.7	55.2	251	274	71	71	W 5	SW 6	5	10	—	with squalls a. and p.
8	29.948	30.073	45.6	42.8	41.9	52.7	218	213	72	78	W 6	W 6	3	4	—	with squalls all day.
9	30.231	131	40.2	40.4	36.5	45.4	177	182	71	73	NW 3	SW 4	5	10	0.065	0.45p.
10	29.957	170	47.3	43.5	39.8	52.1	298	238	91	85	SW 2	W 4	10	0	—	with squalls 9p.
11	30.248	171	47.6	48.0	39.7	53.0	271	258	83	77	SW 4	SW 6	9	10	0.065	9p.
12	247	297	43.7	39.0	38.7	50.5	207	206	72	86	NW 4	NW 1	5	2	—	with squalls p. [2 with squalls p.
13	270	402	39.9	37.6	37.0	43.7	175	152	71	68	NW 4	NW 6	6	3	0.029	before 9a. 10.30a. 2 noon.
14	484	383	42.2	40.0	33.8	46.5	215	194	81	78	NW 3	NW 3	6	10	0.021	before 9a. 10.30a. 2 noon.
15	357	304	40.0	35.6	35.1	43.0	199	136	81	65	NW 3	NE 2	5	1	0.052	early a., noon, and at 3.45p.
16	603	648	36.8	34.5	32.7	40.1	148	137	68	70	NE 3	NE 2	10	1	—	before 9a. 10.30a. 2 noon.
17	579	475	34.8	41.6	28.4	43.5	152	227	74	87	W 2	Calm	0	9	10	—
18	343	204	45.4	47.3	39.1	52.0	262	304	87	92	W 3	SW 2	10	10	0.059	9p.
19	272	356	47.2	44.2	44.0	49.3	296	257	92	89	W 3	NNE 3	6	3	—	9p.
20	425	417	45.9	47.2	43.7	52.3	271	251	89	78	W 2	SW 1	10	10	—	—
21	30.329	30.153	45.8	46.1	43.6	54.2	273	225	89	73	W 2	SW 2	10	10	—	—
22	29.997	29.898	40.8	33.2	32.6	47.0	210	172	83	91	NW 2	NE 2	10	2	—	—
23	738	706	35.2	31.8	30.8	42.8	145	107	70	60	W 5	W 3	2	0	—	—
24	600	461	36.1	28.8	27.8	45.5	164	146	77	93	NW 3	W 5	3	10	0.358	before 9a. 10.30a. 2 noon.
25	29.563	29.925	34.4	35.3	25.0	43.8	190	162	96	78	NW 5	NE 4	10	1	0.063	before 9a. 10.30a. 2 noon.
26	30.080	30.040	37.4	35.1	31.8	45.9	172	156	77	75	W 3	W 2	1	1	0.036	a. and p. 2 with squalls p.
27	29.810	29.835	35.9	36.0	32.5	46.7	186	184	96	87	WSW 5	Calm	0	10	0.015	Very fine all day.
28	624	318	39.0	37.4	33.1	43.6	193	805	81	92	E 3	NE 7	10	10	0.503	a. and p. 9p.
29	128	209	36.0	37.6	34.9	38.3	199	175	96	77	NE 8	NE 8	10	10	—	with squalls p. 2 with squalls p.
30	147	407	33.8	37.0	32.6	38.4	176	169	91	77	NW 5	NW 4	10	2	0.170	with squalls a. and p.
31	29.490	30.237	38.4	40.4	31.4	43.6	192	238	83	95	NW 4	SW 6	1	1	0.643	with squalls a. and p. 2 at night.
Means	30.059	30.040	42.2	41.1	37.1	48.3	226	213	82.6	80.9	3.6	3.5	7.2	5.2	2.176	

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29.820	29.711	52.2	52.2	48.9	52.5	369	363	95	93	SW 5	SW 6	10	10	0.301	Fine and pleasant.
2	29.941	30.254	51.3	45.6	49.9	52.9	302	252	80	82	NW 1	NW 0.5	6	1	—	Beautiful day.
3	30.434	52.5	43.8	45.3	37.9	56.6	252	277	88	92	SW 0.5	SW 0.5	2	1	—	all day with drizzling.
4	574	467	49.2	47.4	43.1	56.5	296	249	85	77	SW 1	SW 2	10	10	—	Strong drying wind.
5	589	428	46.3	46.7	41.9	52.0	213	293	68	92	NW 3	SW 4	3	10	0.032	Drying wind.
6	183	30.099	51.8	49.2	45.8	52.7	287	274	75	78	W 6	NW 3	10	5	—	Thick drizzling a. Beautiful night.
7	170	29.993	51.0	49.8	42.7	54.6	304	251	81	70	NW 3	NW 7	9	3	—	Beautiful day.
8	113	30.188	47.5	43.9	45.6	54.4	187	194	57	68	NW 5	NW 2	1	10	—	Beautiful day with cold drying wind.
9	241	0.79	43.8	45.5	39.6	50.6	193	260	67	86	E 0.5	S 1	10	10	0.045	Beautiful day, but cold.
10	006	253	47.2	43.5	43.4	47.7	291	218	91	77	NW 2	NW 1	10	0	—	Beautiful day, but cold.
11	324	281	48.3	47.8	39.9	54.0	261	245	77	74	W 2	W 1	10	9	—	Beautiful day, but cold.
12	279	313	48.2	44.3	44.5	54.4	297	268	80	92	NE 1	NW 1	10	10	—	Beautiful day, but cold.
13	378	485	43.2	39.4	38.2	50.1	169	143	60	60	NE 2	NE 3	5	9	—	Beautiful day, but cold.
14	544	427	41.4	41.0	29.5	45.5	164	177	63	69	NE 1	NW 1	7	10	—	Beautiful day, but cold.
15	445	520	40.2	36.7	31.9	47.6	189	149	76	69	NE 2	NE 1	10	4	—	Beautiful day, but cold.
16	622	643	40.4	32.3	33.6	45.0	143	143	57	78	NE 2	NE 1	5	0	—	Beautiful day, but cold.
17	612	518	34.2	43.4	27.2	42.7	148	300	75	71	NW 1	NW 1	10	10	0.020	Beautiful day, but cold.
18	411	297	48.3	49.6	33.7	48.4	267	263	79	74	NW 2	NW 3	10	10	—	Beautiful day, but cold.
19	328	362	50.6	46.1	46.6	55.5	261	256	71	82	NW 1	NW 1	9	3	—	Beautiful day, but cold.
20	447	418	46.2	48.1	43.3	54.3	267	246	86	73	NW 0.1	NW 0.1	10	10	—	Beautiful day, but cold.
21	354	30.183	46.1	46.0	43.3	55.8	251	242	81	78	NW 1	NW 1	10	10	—	Beautiful day, but cold.
22	30.047	29.901	43.8	38.5	38.7	53.1	162	161	56	70	N 3	N 0.5	2	7	—	Beautiful day, but cold.
23	29.836	736	38.1	33.2	27.5	48.3	134	173	59	91	NW 3	NW 1	1	0	0.062	Beautiful day, but cold.
24	665	29.520	38.9	32.7	31.4	43.6	172	172	74	92	NW 1	N 1	1	10	0.120	Beautiful day, but cold.
25	29.733	30.011	35.5	33.8	29.4	45.7	151	144	72	74	N 3	NW 1	3	0	—	Beautiful day, but cold.
26	30.134	30.026	41.5	36.8	28.7	44.5	170	170	65	78	NW 1	W 1	2	1	—	Beautiful day, but cold.
27	29.864	29.768	42.8	37.6	30.7	47.1	203	199	73	89	NE 3	NE 0.1	10	0	0.090	Beautiful day, but cold.
28	508	224	39.6	35.8	35.9	49.9	219	188	90	80	SE 3	NE 6	10	10	0.487	Beautiful day, but cold.
29	171	306	34.4	35.2	33.6	41.0	181	144	91	70	NE 7	NE 7	10	1	0.010	Beautiful day, but cold.
30	352	556	36.6	35.2	29.8	37.4	136	167	62	80	N 5	N 3	1	1	0.008	Beautiful day, but cold.
31	29.581	29.246	36.4	42.7	29.8	42.1	164	246	76	89	NW 1	SW 3	10	10	0.415	Beautiful day, but cold.
Means	30.120	30.089	43.8	42.1	37.6	49.5	219	217	74.8	79.3	2.3	2.1	7.0	6.0	1.600	Beautiful day, but cold.

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.

MARCH 1878.

Day	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 a.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	48.7	49.0	46.9	50.0	344	348	100	100	SW 6	SSW 8	10	10	ins.	☁ all day with drizzling.
2	29.885	29.756	51.7	49.6	48.2	55.6	349	290	91	82	W 4	N 0-1	10	7	—	Rapid change of wind from W. to N.
3	30.413	528	46.3	44.2	41.4	51.8	251	290	81	100	W 0-1	W 1	0	10	—	Very fine. ☁ ² 9p. [9a.—10a.
4	608	491	47.2	41.3	40.5	48.9	277	260	86	100	WSW 4	SW 1	10	0	0.010	Gloomy. ☁ ² 9p.
5	555	30.468	45.8	46.2	40.6	51.3	260	280	85	90	NW 2	SW 6-7	8	10	—	Squally 9p.
6	167	29.994	48.7	52.1	45.3	53.0	325	265	96	68	WSW 7	WNW 6	10	5	—	
7	138	29.948	46.8	48.9	44.8	54.2	266	306	84	89	W 6	W 6	5	10	—	
8	047	30.127	45.5	43.8	43.3	49.8	209	185	68	64	WNW 6	W 5	8	10	—	
9	249	144	38.5	41.6	35.5	46.0	174	192	74	74	NE 1	S 1	10	10	100	
10	003	196	47.1	44.0	41.1	50.4	209	223	93	76	W 2	NW 2	10	0	0.060	
11	308	230	45.9	46.8	37.5	50.8	263	243	86	77	N 4	W 5	6	10	0.030	
12	253	311	42.0	39.4	39.1	51.4	235	224	89	93	NNE 6	N 0-1	10	0	—	☁ 9a. Very fine afternoon.
13	310	413	39.7	37.2	36.5	43.0	170	169	70	76	NNE 5	NE 6-7	4	1	—	Cold ☂, with ☉ at night.
14	513	419	37.1	40.0	29.5	47.0	166	177	75	71	N 2	N 1	9	10	—	☉ at times. ☽ 9p.
15	390	509	38.7	31.6	31.3	42.3	193	120	83	67	NNE 5	NE 3	10	0	0.015	
16	601	648	35.6	31.3	29.5	39.0	158	122	76	69	NE 2	NE 1	10	0	—	☂ ⁰ before 9a.
17	598	498	33.2	42.8	28.3	44.2	151	206	80	75	W 0-1	WNW 1	10	10	—	
18	369	241	46.1	48.8	40.3	52.4	261	279	84	81	NW 2	NNW 3	10	10	—	
19	285	353	47.8	47.3	46.5	50.9	293	276	88	85	NNW 1	NNE 1	10	10	—	
20	425	421	48.3	48.2	44.1	53.6	263	260	78	77	N 0-1	NNW 0-1	10	10	—	
21	347	30.177	47.0	45.1	43.4	51.8	255	255	80	85	NW 0-1	WNW 1	10	10	0.010	Evening obs. 20 minutes late.
22	30.015	29.899	39.9	34.3	34.0	45.9	200	167	82	84	WNW 1	NE 3	8	0	—	
23	29.831	728	33.9	32.2	28.4	41.3	139	119	71	65	NNW 2	WNW 0-1	0	0	—	☽ 9a. Fine, but cold.
24	623	496	34.9	24.5	24.3	44.2	155	111	76	85	NNE 4	N 0-1	9	0	0.080	In aft. ☂ from NW., increasing till [6p.—7p. when ☂ fell. 8.30p. wind quite gone down; sky clear. ☂ later.
25	29.603	29.941	33.4	34.0	23.4	44.2	160	151	84	77	NNW 5-6	NNW 3	10	0	0.010	☂ before 9a. ☂ ² Δ ² showers p.
26	30.093	30.064	38.0	36.1	30.0	46.5	156	182	67	86	NW 1	WNW 2	0	0	—	☽ 9a.
27	29.843	29.819	39.5	39.1	31.7	47.0	181	196	74	82	WSW 5	SE 0-1	10	0	0.050	[night.
28	581	270	39.8	36.6	35.6	40.0	200	204	82	94	E 3	NE 6-7	10	10	1.060	☂ showers all day. ☂ ² ☂ ² at
29	107	147	33.7	35.0	32.6	38.0	183	156	94	76	NNE 6	NNE 9	10	0	0.040	☂ a. ☂, fresh to strong NE. [gale p.
30	186	346	34.4	36.0	32.4	39.2	151	155	76	73	NNW 7	NNW 6	8	1	0.040	☂ p. During night ☂ ☂; [the ☂ being small and icy.
31	29.571	29.308	37.7	42.3	31.5	45.2	159	237	70	88	W 4	SW 7	0	9	0.430	☂ n. ☂ 1-2 feet deep. ☉ 1p.
Means	30.090	30.068	41.7	40.9	36.7	47.3	221	214	81.4	80.9	3.4	3.2	7.9	5.3	2.315	

BABBACOMBE.

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

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	51.9	51.8	51.0	53.2	in.	in.	79	97	SW 7	WSW 7	10	10	ins.	in squalls.
2	29.804	29.694	51.8	51.5	50.1	53.5	30.5	23.8	79	92	NW 3	WNW 1	2	2	—	n. D after 9p.
3	30.448	30.304	51.8	51.5	50.1	53.5	30.5	23.8	79	92	WSW 3	WSW 2	2	3	—	before 9a. D till 10a. D after
4	563	479	48.1	47.0	45.0	54.2	26.5	26.4	79	83	SW 3	SW 3	10	10	—	before 9a.
5	641	484	48.3	47.9	40.8	55.7	24.6	32.2	73	97	W 3	SW 3	1	10	0.10	Squalls all day. in aft.
6	300	180	50.3	49.8	47.8	54.8	29.2	27.5	80	77	WNW 5	NW 5	9	4	—	Squalls a. and p.
7	255	134	51.4	48.0	46.7	58.2	33.1	25.6	88	77	WNW 5	WNW 5	10	0	—	ga. and p. [6.20p. D after 9p.
8	205	266	48.0	40.9	40.9	52.5	21.8	22.5	65	88	NW 4	W 1	3	1	—	and parhelion, 22° above sun, 6p.-
9	237	080	46.1	44.9	38.6	51.9	26.3	28.6	85	97	Calm 0	SW 1	9	8	0.30	before 9a.
10	074	321	48.7	41.4	41.4	52.3	25.3	23.5	74	91	NNW 4	W 1	5	1	—	p.
11	386	354	48.7	46.2	39.9	52.7	28.3	26.0	82	84	W 2	WNW 2	9	8	—	a. and p.
12	326	354	51.7	48.9	46.0	54.0	31.8	33.4	83	97	NW 3	NNW 3	9	9	—	to 8a. ∞ to 1.45p.
13	400	506	43.2	40.9	40.9	49.4	22.3	17.7	80	69	ENE 2	ENE 2	10	1	—	before 9a. U p.
14	565	469	38.0	36.0	34.9	44.3	16.5	15.1	72	72	NE 2	NW 1	4	6	—	a. and p.
15	460	513	41.7	41.4	32.2	47.8	18.4	18.5	71	72	N 1	NE 4	0	10	—	before 9a. U p.
16	630	676	39.3	36.0	36.0	41.6	16.7	14.5	70	68	NE 3	NNE 3	9	1	—	a. and p.
17	669	609	36.3	39.6	26.8	45.8	16.0	20.4	75	84	Calm 0	WNW 1	10	9	—	before 9a. U p.
18	481	371	48.8	47.2	39.6	54.8	28.6	26.8	83	84	NW 3	NNW 2	10	6	—	a. and p.
19	367	404	49.9	47.9	45.0	51.8	27.8	26.5	79	80	NNW 3	N 2	9	10	—	before 9a. U p.
20	466	447	47.0	46.7	45.1	51.8	26.6	25.5	83	80	Calm 0	N 1	10	10	—	a. and p.
21	383	302	38.8	48.0	45.0	44.2	25.0	22.6	77	76	NNW 1	NW 2	10	1	—	before 9a. U p.
22	30.085	29.936	40.1	37.9	37.9	47.7	22.5	17.9	91	78	NNE 2	N 2	10	10	—	a. and p.
23	29.886	29.785	40.4	37.5	30.8	46.2	16.6	19.1	66	85	NNW 3	WNW 3	1	9	0.10	at times 8.15a. * to 11a. * p.
24	713	29.650	40.9	33.9	33.9	45.8	16.2	17.3	64	88	NNW 3	NW 4	2	3	0.50	* at times 8.15a. * to 11a. * p.
25	29.822	30.071	39.0	35.7	31.2	46.7	14.1	15.2	59	73	N 5	NNW 2	0	0	—	* during morning. Very rough sea.
26	30.154	30.094	45.8	33.4	32.3	47.9	19.4	14.9	63	78	NNW 1	WNW 1	3	0	—	* 2.15-3.30p.
27	29.872	29.751	47.9	41.3	28.0	53.1	21.7	24.4	66	94	W 3	Calm 0	3	8	—	* 2p.
28	484	162	39.8	37.5	37.5	44.1	22.9	20.4	98	92	ENE 2	ENE 8	10	10	1.200	
29	134	378	33.0	36.5	33.0	38.1	18.4	14.8	69	69	NE 9	NNE 7	10	1	0.30	
30	444	632	39.1	35.8	29.2	44.2	14.0	16.4	58	77	N 5	N 3	3	0	—	
31	29.607	29.256	39.9	43.6	30.8	49.8	17.6	26.8	71	94	WSW 2	WSW 2	3	10	0.270	
Means	30.156	30.133	44.9	42.2	38.3	50.1	23.5	22.9	77.5	83.5	2.9	2.7	6.3	5.5	2.130	

St. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

MARCH 1878.

1	30.025	29.932	52.5	51.7	49.1	53.2	35.7	37.3	91	97	SW 4	SW 5	10	10	0.097	with squalls, p.
2	023	30.322	50.1	47.8	47.0	56.0	33.6	27.7	93	84	W 2	NW 1	10	1	—	
3	505	609	52.9	41.3	41.3	54.8	31.0	26.0	77	100	NNW 1	Calm 0	1	0	0.010	0.8.50a. and from 3p.
4	649	566	43.3	46.5	36.9	53.1	28.0	29.8	100	95	Calm 0	SW 2	10	5	—	to about 10a. Day very fine. D p.
5	670	661	46.9	46.7	45.2	53.4	23.2	27.9	73	88	N 2	W 4	9	10	0.039	to noon. Bar. at 0.30p., 30.713.
6	454	265	49.7	50.3	45.5	51.6	31.8	33.4	89	92	W 3	W 3	10	10	0.012	p. (communicated).
7	328	239	52.8	49.3	46.3	54.8	35.3	31.6	88	90	W 2	W 4	9	7	—	D p.
8	234	298	50.3	45.9	44.6	53.7	31.9	22.6	88	74	N 2	N 2	9	5	—	D p.
9	284	177	49.0	47.3	40.9	53.5	27.2	31.4	78	97	Calm 0	S 3	9	10	0.284	D p.
10	104	331	49.5	45.7	45.0	52.8	31.8	25.1	91	82	WNW 3	NW 1	8	0	—	D p.
11	467	447	52.2	47.8	43.6	54.6	33.1	28.8	84	87	WbyN1	WbyN2	9	10	0.011	before 9a.
12	380	377	50.4	49.8	46.2	54.0	34.1	33.9	93	95	WbyN2	Calm 0	10	10	—	Barometer remarkably steady.
13	365	496	48.2	40.9	40.0	50.0	22.7	16.8	67	66	NbyE 3	NE 2	2	6	—	
14	553	476	44.9	38.7	37.1	46.4	16.7	18.6	55	80	NE 3	NE 1	4	8	—	
15	432	491	44.2	40.2	37.0	46.8	20.3	15.5	70	62	NE 2	NE 4	1	8	—	
16	583	655	41.9	38.9	35.0	43.0	16.7	15.0	63	64	NNE 3	NE 3	7	10	—	
17	656	615	40.8	44.2	37.5	44.9	16.6	18.5	65	63	N 2	N 1	10	10	0.038	a. U p.
18	508	400	47.5	48.8	43.3	53.2	29.6	31.0	91	90	NW 1	NW 1	10	10	—	U p.
19	392	418	49.2	48.5	47.2	50.9	30.6	28.0	88	83	N 2	N 1	10	10	—	
20	472	465	49.2	46.2	44.0	55.2	29.6	25.9	85	84	Calm 0	N 1	9	1	—	to 1p., and all day at sea. D p.
21	408	30.286	49.5	43.9	43.1	52.0	28.8	26.6	82	93	Calm 0	N 1	10	1	—	a. in SE. and E. D p.
22	30.107	29.929	49.3	40.2	39.2	50.1	30.1	21.5	86	87	NW 1	Calm 0	10	10	0.320	
23	29.890	29.839	41.2	40.0	34.0	45.3	15.3	17.2	59	69	N 3	NW 2	5	3	0.587	* 0. Δ p.
24	671	29.681	38.5	39.7	34.7	44.2	20.9	15.8	90	65	NE 2	NW 3	8	5	0.074	Δ a. * sp. Δ 10.40p. at night.
25	29.778	30.065	34.9	40.9	34.0	43.6	16.1	16.1	79	63	NNW 4	NW 2	8	3	0.016	Δ * 0 ga. and before. Δ 4.30p.
26	30.188	30.158	45.7	40.2	36.1	51.6	20.4	19.1	67	77	NW 2	NW 1	6	1	0.060	[colours at 4p.
27	29.986	29.806	47.7	43.3	39.2	51.3	25.5	22.5	77	80	W 2	Calm 0	5	10	0.061	0° all day, seldom perfect, with
28	29.516	29.426	41.7	39.3	33.7	43.7	22.2	25.6	89	96	E 3	NE 2	10	10	0.262	
29	28.994	28.934	47.4	39.2	37.1	49.2	30.1	16.2	92	69	SE 1	NE 6	10	10	0.025	from NE. from 11a., max. force 8.
30	29.413	29.398	41.1	40.4	35.2	43.2	15.9	16.7	62	66	NbyW4	NW 3	6	1	0.007	Cold and dry. * showers from 1p.
31	29.680	29.417	42.2	45.3	34.8	47.5	18.0	25.9	68	86	NW 1	SW 4	4	10	0.207	Δ 10.40a. Wind backed to SW. about
Means	30.184	30.174	46.6	44.2	40.6	50.2	25.9	24.1	80.0	81.4	2.0	2.1	7.9	6.6	2.110	[11a. Bar. 29.281 at 11.30p. Later, very squally with heavy showers.

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	48°	45°	45°	51°	in.	in.	90	91	Calm 0	Calm 0	10	0	ins.	364
2	29°349	29°541	48°	45°	45°	51°	331	280	90	91	Calm 0	Calm 0	10	0	—	D ⁰ 9p.
3	29°906	30°152	47°	45°	43°	54°	262	285	81	94	SSW 2	SSW 1	4	8	—	
4	30°199	30°183	48°	45°	43°	51°	294	301	88	81	S 2	SSW 5	10	10	0°03	
5	151	301	50°	40°	40°	51°	313	211	86	84	SSW 4	SSW 1	10	0	347	force 7 in past night.
6	273	253	46°	50°	39°	52°	257	338	83	93	SSW 3	WNW 4	10	10	0°33	force 5 in past night.
7	016	175	51°	47°	47°	52°	301	260	81	79	NW 5	WNW 4	10	9	0°16	force 6 in past night.
8	151	064	51°	45°	45°	54°	314	288	82	94	WSW 4	WNW 4	10	7	0°43	force 5 in past night.
9	212	236	44°	43°	42°	49°	256	269	87	94	NW 4	Calm 0	7	10	0°43	
10	080	086	44°	44°	41°	50°	286	273	99	94	SW 1	WNW 1	10	1	219	
11	081	207	46°	48°	42°	51°	270	290	85	87	W 1	WSW 2	8	9	0°11	
12	203	192	48°	50°	45°	51°	267	344	80	95	WSW 2	NW 3	9	10	167	
13	326	397	47°	48°	47°	51°	321	330	98	99	Calm 0	NNW 2	10	10	0°82	
14	511	548	48°	37°	37°	51°	324	191	77	86	E 1	SSE 2	9	0	0°01	
15	500	433	39°	44°	39°	51°	187	257	79	88	SSE 2	Calm 0	4	10	—	D ⁰ ga. U ⁰ 9p.
16	502	602	37°	37°	30°	51°	218	200	88	88	SSE 1	NE 2	0	0	—	W ⁰ D ² ga. U ⁰ 7p. D ² 9p.
17	675	686	40°	36°	28°	50°	206	210	83	98	ENE 1	Calm 0	0	0	—	1 a. and p.
18	645	587	44°	48°	29°	52°	260	312	89	93	Calm 0	WNW 3	10	10	0°48	W ⁰ n. D ² ga.
19	515	481	50°	40°	47°	54°	331	329	91	95	NW 3	NNW 2	8	10	—	
20	468	463	49°	46°	45°	51°	299	288	86	92	NNW 1	Calm 0	10	10	—	D ² 9p.
21	434	411	48°	44°	43°	53°	266	244	77	83	WSW 1	Calm 0	9	8	0°06	
22	340	314	50°	40°	39°	54°	303	187	83	75	N 2	NNW 1	3	10	0°30	
23	30°187	30°105	39°	32°	31°	45°	203	161	84	89	Calm 0	NNW 1	6	1	116	* ⁰ a. ▲ ⁰ p. 1 9p.
24	29°924	29°873	40°	36°	32°	45°	197	170	79	79	NNW 4	NNW 3	9	0	362	* ⁰ n. ▲ ⁰ ga. and p.
25	29°836	29°882	36°	35°	33°	42°	182	177	85	86	NNW 3	NNW 2	7	2	0°80	* ● 10a. ▲ during day.
26	30°038	30°134	40°	34°	33°	44°	175	191	69	95	N 1	Calm 0	6	2	0°01	
27	30°155	29°927	39°	42°	29°	51°	213	246	89	90	NNW 1	WSW 2	7	9	172	1 a.
28	29°884	29°819	41°	37°	35°	48°	196	185	75	83	NNW 3	Calm 0	4	5	0°02	
29	598	538	41°	33°	27°	44°	208	160	80	85	Calm 0	ENE 1	5	2	0°08	D ² ga. * ⁰ p.
30	747	770	39°	34°	31°	46°	154	170	65	85	NNE 3	NNE 2	0	1	0°32	▲ ⁰ p.
31	728	719	36°	36°	31°	44°	151	180	78	84	NNE 3	Calm 0	4	10	107	▲ ⁰ p.
31	29°434	29°321	40°	32°	32°	41°	205	129	83	69	WNW 2	NNW 1	10	0	0°57	
Means	30°131	30°167	44°	41°	37°	50°	247	241	83°	78°	1°	1°	7°	5°	2°	300

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

BIRN CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. 7° 55' W. Lat. 53° 6' N.

MARCH 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	54.1	46.8	46.4	56.5	ins.	ins.	90	93	SW 1	SW 1	10	9	ins.	Squally ga.
2	29.413	29.580	54.1	46.8	46.4	56.5	29.402	29.580	90	93	W 1	SW 0.5	8	8	237	
3	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
4	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
5	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
6	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
7	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
8	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
9	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
10	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
11	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
12	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
13	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
14	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
15	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
16	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
17	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
18	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
19	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
20	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
21	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
22	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
23	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
24	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
25	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
26	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
27	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
28	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
29	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
30	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	
31	29.582	30.222	46.6	46.6	42.0	54.0	29.582	30.222	88	83	SSW 1	SSW 3	10	10	—	Squally at ga.
Means	30.175	30.162	44.4	42.4	37.1	51.2	29.582	30.222	86.8	89.3	1.6	1.2	6.6	6.8	1.208	

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	28.814	28.935	39.1	31.2	30.5	45.5	137	135	57	88	NNW 5	Calm 0	9	10	156	Squalls a. * from 5.15 p.
2	28.976	29.258	39.5	35.9	29.3	44.0	194	157	80	74	NW 3	S 1	10	9	—	
3	29.350	29.484	39.7	34.0	31.8	46.5	190	178	77	90	SE 1	Calm 0	8	3	—	Squalls a. * from 5.15 p.
4	29.659	29.770	39.0	32.3	29.0	43.0	197	173	83	94	Calm 0	?	1	9	118	
5	29.820	29.969	42.1	33.1	27.8	50.0	204	183	76	97	NNW 2	Calm 0	4	2	228	Squalls a. * from 5.15 p.
6	30.057	30.160	41.0	35.0	26.5	50.5	206	186	81	91	W 1	Calm 0	5	0	—	
7	30.177	30.117	41.2	37.9	27.5	55.5	205	177	80	78	?	Calm 0	2	1	—	Squalls a. * from 5.15 p.
8	30.112	30.191	42.5	38.0	31.8	51.5	220	190	82	83	SE 3	SE 2	7	5	—	
9	30.269	30.289	41.4	38.0	32.0	47.2	216	204	83	89	SE 2	ESE 2	8	10	155	Squalls a. * from 5.15 p.
10	30.270	30.288	40.1	40.0	35.5	43.5	246	218	99	89	E 2	SE 2	10	10	050	
11	30.286	30.312	42.1	42.0	38.7	50.4	268	252	100	94	E 1	Calm 0	10	10	—	Squalls a. * from 5.15 p.
12	30.138	30.138	41.8	42.0	36.5	53.0	241	241	92	91	SE 2	SW 2	9	10	043	
13	30.024	30.062	43.0	44.4	40.0	47.0	275	288	99	99	SE 2	SE 1	10	10	319	Squalls a. * from 5.15 p.
14	29.815	29.822	48.7	47.8	43.5	55.0	329	295	96	89	SW 2	Calm 0	10	10	032	
15	29.793	29.824	49.0	51.1	46.6	50.0	312	347	90	92	WSW 2	Calm 0	10	8	—	Squalls a. * from 5.15 p.
16	29.769	29.692	52.6	48.9	45.2	58.2	327	339	82	98	Calm 0	Calm 0	9	10	370	
17	29.662	29.711	48.0	48.5	45.5	56.2	335	329	100	97	E 1	E 1	10	10	017	Squalls a. * from 5.15 p.
18	29.746	29.709	44.8	44.8	43.5	53.7	290	297	98	100	E 2	E 3	10	10	—	
19	29.670	29.557	43.0	45.3	40.5	50.7	277	295	100	98	E 3	E 4	10	10	050	Squalls a. * from 5.15 p.
20	29.536	29.572	44.0	44.0	42.5	46.7	288	288	100	98	E 3	NE 5	10	10	840	
21	29.537	29.860	44.5	45.0	43.5	54.7	287	292	98	98	E 5	ESE 4	10	8	010	Squalls a. * from 5.15 p.
22	29.998	30.036	43.3	42.8	40.5	46.7	273	275	98	100	E 2	E 4	10	10	—	
23	29.952	30.04	43.3	44.0	41.0	48.7	263	244	94	84	NE 4	NE 5	10	8	—	Squalls a. * from 5.15 p.
24	29.974	30.047	50.0	43.0	35.5	55.7	245	230	68	83	E 4	ESE 4	0	0	—	
25	30.129	30.201	48.0	41.5	38.5	54.7	224	182	67	70	E 3	NE 4	2	7	—	Squalls a. * from 5.15 p.
26	30.233	30.242	42.0	42.0	31.5	50.7	245	225	92	85	E 3	E 1	7	8	—	
27	30.253	30.219	44.8	41.0	32.5	55.7	213	235	72	92	SE 2	E 1	8	0	—	Squalls a. * from 5.15 p.
28	30.182	30.082	41.3	43.3	36.5	58.7	232	263	90	94	SW 2	NE 4	10	10	—	
29	30.023	29.932	38.8	41.3	37.5	58.7	236	253	100	98	E 3	NE 5	10	6	—	Squalls a. * from 5.15 p.
30	29.750	29.694	45.5	42.5	40.5	58.7	249	236	82	87	E 3	NE 3	7	6	070	
Means	29.870	29.899	43.5	41.4	36.7	51.7	247	241	87.2	90.7	2.3	2.0	8.1	7.1	2.458	Squalls a. * from 5.15 p.

APRIL.

DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.

APRIL 1878.

Day	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.	10 a.m.	
1	ins.	ins.	40.1	35.2	29.4	45.2	in.	in.	65	90	W 6.5	N 0.9	5	10	ins.	Squalls before 10a. * 10p.
2	29.889	29.920	40.1	35.2	29.4	45.2	218	186	82	97	WNW 2.6	WNW 1.0	7	10	288	
3	29.009	29.286	42.2	34.9	31.0	50.3	218	197	82	97	WNW 2.6	WNW 1.0	7	10	712	* before 10a.
4	29.386	29.477	40.3	33.3	32.6	46.4	220	184	92	97	NW 0.7	NW 0.9	10	0	—	—
5	29.691	29.790	45.1	34.5	30.2	52.3	230	165	76	82	WNW 0.8	Calm 0.0	5	0	—	—
6	29.822	29.991	44.2	36.1	27.5	51.4	199	198	68	93	ENE 0.4	WNW 0.3	2	25	0.8	—
7	30.086	30.202	47.8	38.3	26.9	54.8	208	211	63	92	NE 0.4	S 0.8	4	0	—	—
8	29.213	29.170	47.0	34.0	32.1	55.4	239	180	75	91	S 2.4	SSE 1.8	0	1	—	—
9	29.088	29.161	49.8	37.2	32.6	53.9	193	191	54	86	SE 3.0	SE 0.5	1	0	—	—
10	29.186	29.178	43.3	38.5	34.3	46.3	218	213	78	92	E 3.6	ENE 1.3	10	10	0.32	—
11	29.162	29.178	41.3	41.2	38.2	45.0	250	253	97	97	E 2.8	ENE 1.8	10	10	0.03	—
12	29.206	29.278	48.0	39.7	38.5	55.8	295	232	89	95	ENE 1.0	NE 0.5	9	0	—	—
13	30.226	30.100	50.3	46.1	32.3	54.8	290	251	80	81	NE 0.7	SSE 0.4	1	10	—	—
14	29.995	29.864	51.8	50.0	42.6	57.1	275	329	72	92	SSE 0.8	S 2.5	10	10	0.42	—
15	29.876	29.862	57.0	49.1	45.0	64.9	320	299	69	86	SW 2.2	S 0.5	6	5	—	—
16	29.883	29.891	56.3	47.8	46.4	62.2	344	263	75	79	SW 3.3	SW 0.7	6	8	—	—
17	29.782	29.683	54.7	51.2	43.4	61.9	295	355	69	95	SSW 2.0	SSW 0.6	9	10	0.173	—
18	29.641	29.606	50.3	46.1	45.0	56.3	345	303	95	97	WNW 0.4	WSW 0.7	10	10	0.57	—
19	29.747	29.712	52.9	48.9	43.1	61.9	344	326	86	95	SSE 0.7	S 0.9	0	10	—	—
20	29.601	29.591	50.7	50.2	44.0	58.4	312	351	84	97	S 1.8	E 0.2	10	10	0.30	—
21	29.526	29.471	47.9	46.1	45.4	55.1	310	286	96	92	ENE 1.5	ENE 1.3	10	10	0.83	—
22	29.623	29.866	56.8	42.2	42.1	63.1	340	267	73	99	S 0.9	NE 0.5	1	10	—	—
23	29.952	29.894	47.1	43.3	41.1	48.1	320	278	98	99	NE 2.0	ENE 0.6	10	10	0.100	—
24	29.810	29.856	45.3	44.0	43.1	49.2	289	265	96	92	ENE 2.0	NE 3.6	10	7	0.10	—
25	29.800	29.935	47.8	42.4	41.6	52.8	273	264	85	98	NE 2.4	NNE 2.4	8	9	—	—
26	30.040	30.125	43.5	41.7	39.5	46.0	231	215	82	82	NNE 5.1	NNE 2.8	10	10	0.20	—
27	29.150	29.232	45.9	38.9	37.3	49.4	225	221	78	94	NE 2.3	N 0.8	10	10	—	—
28	29.237	29.243	50.6	42.0	36.5	55.0	256	241	69	91	NE 0.8	E 0.2	10	0	—	—
29	30.155	30.071	52.0	40.8	37.3	63.4	313	255	81	100	ESE 0.3	NE 1.1	0	10	—	—
30	29.975	29.859	58.5	45.2	34.8	64.8	291	253	59	85	SSE 1.7	E 0.6	5	7	—	—
31	29.697	29.586	46.1	45.0	46.6	48.8	282	297	91	99	ENE 1.7	Calm 0.0	10	10	0.175	—
Means	29.852	29.872	48.4	42.1	37.8	54.3	270	251	79.2	92.2	1.9	1.0	6.3	7.0	2.573	—

WAKEFIELD.

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

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	38.7	38.8	28.8	45.6	in.	in.	°/o	°/o	W 1	W 3	5	10	ins.	* a. and p.	
2	29.024	29.038	43.2	41.5	37.4	45.9	229	213	82	81	W 3	W 1	8	2	—		
3	432	501	43.6	39.1	37.3	47.7	210	213	74	89	WSW 1	W 2	6	4	—		
4	729	801	42.8	35.2	31.8	51.6	218	178	79	86	W 1	Calm	0	2	0.040	before ga.	
5	29.831	29.993	41.1	36.5	30.6	50.9	225	202	87	94	WNW 1	Calm	0	5	0	before ga.	
6	30.125	30.201	38.1	41.5	30.2	53.4	189	230	82	89	Calm	0	WNW 1	10	2	before ga. <i>ga.</i>	
7	248	185	35.5	49.2	27.2	55.0	206	319	100	92	E 1	E 2	2	0	—	before ga.	
8	067	109	48.2	40.3	36.6	54.2	213	224	63	90	E 3	E 1	3	0	—	before ga.	
9	130	135	47.0	41.5	35.2	49.9	226	258	71	98	E 1	Calm	0	4	10	0.030	
10	103	102	44.8	42.2	40.5	49.9	236	205	79	98	E 1	E 1	10	10	—		
11	125	235	51.8	44.0	42.1	61.0	305	257	79	88	E 2	Calm	0	6	10	—	
12	220	30.093	45.6	52.0	32.9	61.8	264	268	87	70	Calm	0	SSE 1	7	8	—	
13	30.001	29.915	50.0	50.6	43.6	57.5	295	331	74	90	SE 1	Calm	0	9	10	0.060	
14	29.922	2893	57.2	54.0	48.8	65.8	324	342	69	81	Calm	0	Calm	0	7	2	Thick cum.-s. clouds from N. to W. very dense, soft, and low, ga.
15	929	925	58.2	48.2	42.1	63.3	330	284	68	85	WSW 2	SSW 1	4	0	—		
16	817	722	49.8	52.7	37.0	61.8	298	365	83	92	Calm	0	Calm	0	10	10	0.090
17	660	668	53.2	49.2	46.3	61.0	304	295	75	85	SW 1	Calm	0	6	4	1.50	
18	769	745	45.5	47.4	39.6	57.0	294	318	97	97	Calm	0	Calm	0	10	10	The whole sky covered with a thick im-
19	660	591	45.4	53.2	45.4	58.0	295	358	95	89	Calm	0	E 1	10	10	1.110	pervious cloud; very dense from NE. to SE., ga.
20	510	453	52.3	48.9	48.3	55.9	381	323	97	94	ESE 1	Calm	0	10	10	1.100	Clouds very low, heavy, and threaten-
21	642	834	50.2	51.2	36.4	58.0	309	335	86	89	ESE 2	SE 2	10	10	—	ing.	
22	935	843	48.6	45.4	44.9	52.5	303	299	89	98	NE 1	NE 2	9	10	0.010	<i>ga.</i>	
23	760	772	49.2	45.2	44.5	53.0	328	273	94	91	NE 2	N 1	10	0	0.050		
24	774	29.869	50.2	44.2	43.7	58.0	288	245	80	85	NNE 2	NE 2	7	4	—		
25	29.947	30.084	52.0	45.1	41.1	54.7	266	232	69	77	N 3	NNW 3	3	8	—		
26	30.127	216	46.2	42.2	41.2	57.5	238	223	77	84	NNW 3	E 1	9	0	—		
27	263	237	43.3	49.2	34.0	61.0	233	273	83	78	Calm	0	Calm	0	10	—	
28	30.188	30.130	40.7	46.2	37.0	63.8	243	262	96	85	Calm	0	Calm	0	10	2	
29	29.985	29.840	49.2	51.2	34.1	63.2	242	260	69	71	ESE 1	E 1	5	8	0.020		
30	29.684	29.601	47.3	49.2	43.9	53.4	299	335	92	96	BNE 1	Calm	0	10	10	0.080	
Means	29.857	29.869	47.0	45.8	38.8	56.1	264	273	81.7	87.7	1.2	0.9	7.2	5.5	1.920		

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

APRIL 1878.

1	29.052	29.053	36.3	35.4	20.0	45.9	194	199	91	96	W	3	W	4	2	1	0.03	<i>p.</i>
2	094	309	40.9	38.4	34.6	48.7	236	224	93	97	W	3	W	3	9	1	0.07	
3	457	448	43.1	36.1	33.0	48.9	254	213	91	100	WSW	2	WSW	1	1	7	1.46	<i>ga.</i>
4	726	29.810	44.4	36.3	32.7	52.1	251	210	86	98	W	1	Calm	0	1	0	0.18	<i>ga.</i>
5	29.811	30.003	42.1	32.7	32.7	48.9	242	186	90	100	NE	1	NE	1	8	0	—	
6	30.112	232	44.5	36.4	30.1	52.8	238	209	81	97	ESE	1	ESE	1	0	0	—	Very fine. Very fine.
7	269	189	43.9	36.4	31.1	49.4	244	211	85	98	ESE	2	ESE	2	1	1	—	<i>ga.</i>
8	117	097	45.9	39.7	36.0	49.0	252	219	83	90	ESE	4	E	4	1	0	—	but fine.
9	117	126	44.2	39.4	36.2	45.7	258	233	89	97	E	4	E	3	7	10	0.18	
10	100	080	41.7	42.4	38.9	42.6	246	267	93	100	E	3	E	3	10	10	—	<i>ga.</i>
11	116	209	45.9	40.0	40.0	52.2	290	240	95	98	E	2	E	1	9	0	—	<i>ga.</i>
12	222	30.150	51.0	42.1	35.7	58.6	327	261	87	97	E	1	ESE	1	2	0	—	<i>ga.</i>
13	30.054	29.976	49.7	46.2	39.4	61.2	321	313	90	100	SE	1	S	4	9	10	0.17	<i>ga.</i>
14	29.969	932	52.9	50.2	45.9	61.7	365	358	91	99	WSW	2	SW	1	7	3	—	<i>ga.</i>
15	971	951	55.7	45.9	45.8	62.7	394	293	89	95	SW	2	Calm	0	1	0	—	Very fine.
16	842	743	53.9	50.5	41.8	59.4	393	367	95	100	S	1	S	1	9	10	1.74	
17	691	694	54.9	48.7	47.8	58.9	364	325	85	95	W	1	Calm	0	7	9	0.02	<i>a.</i>
18	777	761	46.0	41.8	38.0	54.6	311	265	100	100	SSE	1	SE	1	10	5	—	<i>a.</i>
19	710	651	54.1	51.0	40.0	61.4	381	361	91	97	S	2	S	1	6	10	—	<i>a.</i>
20	554	463	53.2	49.8	47.8	59.3	394	358	98	100	SE	2	SW	1	10	10	5.02	<i>a.</i>
21	658	844	47.9	45.7	42.0	57.8	366	301	93	99	SE	2	E	1	10	2	—	<i>a.</i>
22	932	886	47.4	45.0	44.1	49.9	328	299	100	100	NE	1	NE	1	10	10	0.04	<i>a.</i>
23	730	715	48.0	43.4	43.4	52.7	335	277	100	99	ENE	1	ENE	2	10	1	—	<i>a.</i>
24	717	29.812	50.2	42.3	42.3	52.4	331	259	92	96	ENE	3	NE	3	7	1	—	Cold wind.
25	29.888	30.033	48.0	42.2	40.9	51.6	285	243	86	90	NE	3	NE	3	1	9	—	Cold wind.
26	30.080	202	47.0	42.0	39.1	53.2	277	256	87	96	NNE	2	ENE	1	7	10	—	<i>a.</i>
27	246	251	44.8	37.8	37.8	51.3	264	227	89	100	NNE	1	E	1	9	0	—	<i>a.</i>
28	221	30.114	45.1	45.3	34.8	59.6	290	276	97	92	S	1	SE	1	7	2	—	<i>a.</i>
29	30.070	29.872	54.8	44.3	36.9	60.7	316	284	74	98	SE	1	SE	3	6	4	0.37	Fine day, with cold wind in the evening.
30	29.677	29.613	46.8	50.0	41.9	56.1	321	361	100	100	SE	2	Calm	0	10	10	1.43	<i>ga.</i>
Means	29.864	29.874	47.5	42.6	38.4	54.0	300	270	90.7	97.5	1.9	1.6	6.2	4.5	1.131			

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	40.1	41.3	34.0	48.9	ins.	ins.	%	%	W 2.4	W 3.2	10	3	—	Very fine with very cold wind.
2	29.143	29.150	42.2	42.1	39.0	50.7	196	211	79	81	W 2.8	W 3.0	10	8	—	Fine.
3	221	366	42.2	42.1	39.0	50.7	232	243	87	91	W 1.6	NW 3.0	5	10	255	showers p.
4	398	520	46.8	40.0	38.8	51.9	269	213	84	86	W 0.8	NE 0.4	10	0	0.80	Very fine afternoon.
5	752	29.785	45.8	40.0	36.5	50.6	249	197	81	80	N 0.4	N 0.4	8	0	—	Very fine p.
6	29.855	30.021	42.3	40.0	35.6	51.6	239	218	89	89	S 0.4	N 0.4	2	0	—	Very fine all day.
7	30.112	30.155	47.7	41.8	35.0	52.5	224	204	68	78	S 1.2	SE 2.8	0	0	—	Very fine day. Wind rose at 7p.
8	30.121	29.991	50.9	46.5	35.6	58.3	217	176	59	56	SE 3.4	SE 3.4	8	0	—	Dull and windy.
9	29.905	29.941	49.8	45.6	39.1	55.4	200	189	62	62	SE 3.2	E 4.8	0	10	—	Fine, with a cold east wind.
10	017	015	44.4	44.0	41.8	47.5	235	245	81	85	E 3.4	E 3.4	10	2	—	ga. Cold with ga.
11	042	30.130	48.0	53.2	43.6	59.0	286	281	86	70	E 1.0	E 0.6	10	7	—	over the sea, otherwise fine.
12	30.137	29.997	55.1	51.6	44.6	70.7	296	296	68	77	S 0.6	W 0.6	7	10	240	Very fine a. Drizzle began at 6.45p.
13	29.845	861	50.1	52.4	48.5	59.2	328	358	91	91	SE 0.4	S 0.4	10	8	0.95	
14	891	873	54.8	53.0	49.0	62.9	352	308	82	76	S 0.8	S 0.6	10	9	—	Very fine day.
15	929	901	54.4	51.2	49.7	63.1	336	303	79	81	W 0.6	SW 0.6	8	9	—	Very fine day.
16	749	710	57.1	48.0	47.4	59.1	361	309	77	93	SSW 0.6	W 0.6	10	2	195	Showerly till 5p.
17	665	732	50.0	46.5	46.0	57.5	334	280	93	90	SE 0.4	W 0.4	10	0	115	Very fine from 2p.
18	743	679	57.7	51.7	41.0	60.0	315	277	66	73	SE 0.4	N 0.4	0	9	087	Very fine all day.
19	600	532	55.6	54.2	50.3	65.3	356	309	80	73	S 0.4	SE 0.6	10	7	047	[and sea. Town clear.
20	494	469	52.8	48.2	47.6	57.0	351	338	87	100	S 0.4	NE 0.6	10	1	—	over the Orme and opposite hills
21	543	774	54.5	49.7	44.0	59.7	323	313	76	88	NE 0.8	SE 0.4	2	0	—	Very fine.
22	890	750	54.4	50.0	45.3	59.2	334	334	79	93	E 0.6	E 3.0	1	10	016	Very fine a. 5.45p.
23	685	724	48.5	40.5	44.5	59.1	323	287	96	82	E 0.8	E 4.0	10	10	020	with slight showers.
24	742	29.837	50.9	47.2	45.6	58.1	318	277	86	86	E 3.0	E 8.0	9	0	—	Very fine with cold wind.
25	29.980	30.095	50.6	45.9	44.0	55.3	283	221	77	73	E 4.0	E 7.0	4	0	—	Very fine with cold wind.
26	30.169	183	45.1	43.0	37.8	51.3	229	251	76	90	ESE 0.4	SE 0.2	10	0	—	Very fine p. Wind cold.
27	232	184	51.8	48.0	38.5	57.1	285	264	74	79	E 0.4	SE 0.2	0	0	—	Very fine.
28	30.148	30.024	61.2	52.6	42.4	65.5	311	279	57	71	S 0.4	SE 0.2	4	6	—	Very fine and warm.
29	29.870	29.700	56.0	55.9	46.0	68.3	315	295	70	67	SE 0.2	SE 2.0	5	6	120	
30	29.587	29.550	51.5	52.9	50.2	56.9	336	389	89	98	SE 1.0	SE 1.0	10	10	120	
Means	29.816	29.825	50.6	47.7	42.7	57.5	288	269	77.9	81.2	1.2	1.9	6.8	4.6	1.390	

HILLINGTON, NORFOLK.

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

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	38°	36°	21°	47°	in.	in.	80	80	W	4	W	4	8	Ground white with * 8a. * gone [9.30a. Very fine and sunny.
2	133	133	40°	38°	35°	50°	195	197	77	84	SW	6	WSW	5	10	4p.
3	481	429	45°	37°	32°	51°	223	213	74	95	SW	5	SW	5	2	412
4	721	800	43°	37°	32°	52°	227	207	81	91	NW	2	SW	1	3	4
5	29°801	29°988	42°	32°	32°	46°	234	175	86	97	SW	1	NW	0.5	9	1
6	30°121	30°225	45°	38°	26°	54°	250	196	84	84	SW	0.5	E	1	0	1
7	273	162	45°	38°	30°	52°	242	216	79	93	SE	3	SE	3	1	0
8	091	050	49°	41°	33°	52°	204	209	59	81	SE	4	SE	6	3	0
9	084	063	44°	42°	37°	47°	216	254	74	95	E	5	E	4	10	10
10	038	014	48°	45°	40°	55°	249	198	74	66	SE	5	E	5	8	10
11	075	147	52°	43°	43°	61°	315	225	79	79	SE	4	E	3	9	0
12	204	139	50°	44°	36°	65°	329	242	71	82	SE	3	SE	1	5	0
13	30°071	30°009	56°	48°	39°	64°	312	299	69	89	SE	2	SW	2	10	10
14	29°999	29°963	55°	53°	47°	59°	367	365	85	90	SE	1	SW	0.5	8	7
15	30°009	960	56°	48°	43°	63°	330	323	74	94	SW	3	SW	0.5	1	6
16	29°860	748	52°	48°	45°	60°	346	342	89	100	SW	1	SW	0.5	10	10
17	721	692	52°	50°	47°	59°	331	311	84	86	WNW	1	SW	0.5	6	10
18	718	746	49°	48°	38°	61°	317	307	91	92	W	1	E	0.5	9	4
19	713	718	56°	50°	45°	62°	344	351	76	95	SE	3	S	1	7	3
20	572	485	56°	49°	47°	62°	401	355	87	99	SE	2	SSE	2	10	10
21	659	826	53°	48°	44°	62°	333	312	82	92	S	1	S	1	6	10
22	903	785	51°	47°	44°	61°	351	317	92	97	NNW	1	E	2	10	5
23	708	632	52°	47°	44°	61°	364	286	91	88	SE	1	E	4	10	7
24	639	721	56°	44°	43°	61°	334	256	74	87	E	4	NE	3	8	0
25	29°825	29°982	53°	42°	42°	55°	298	232	73	85	NE	5	NE	6	0	8
26	30°053	30°133	47°	44°	42°	58°	254	254	72	87	NE	4	NE	2	8	10
27	231	228	47°	39°	38°	56°	272	236	85	99	NE	2	NE	1	10	10
28	224	30°121	48°	45°	33°	64°	272	231	79	76	SW	1	SE	2	1	2
29	30°018	29°841	56°	48°	36°	64°	409	243	90	71	SE	2	ESE	4	10	9
30	29°665	29°666	49°	54°	46°	63°	355	406	99	94	SE	2	S	0.5	10	10
Means	29°856	29°854	50°	44°	39°	57°	295	264	80°	88°	2°	2°	6°	5°	1°	047

UPPINGHAM.

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

APRIL 1878.

1	29°154	29°146	35°	35°	24°	43°	144	168	68	80	WNW	3	W	3	0	8	—	7a. Passing gusts with granular * showers a. and p.
2	160	373	39°	38°	33°	46°	186	189	75	81	W by S	5	WSW	3	10	4	097	* a. Bar. rising after 3p.
3	471	479	45°	33°	32°	46°	233	180	77	95	W by S	3	WNW	1	7	1	310	* a. * after 4.30p. [noon.]
4	732	797	41°	38°	31°	51°	216	172	82	75	NW	1	Calm	0	1	0	—	on horizon 7a.—9a., and in after-
5	29°821	29°987	36°	36°	32°	50°	195	200	92	92	W	1	NW	1	10	5	130	on horizon 7a. * a. [Gloomy all a.]
6	30°104	30°192	40°	40°	32°	52°	210	186	83	74	Calm	0	SE	1	0	0	—	Bright all day with much in air.
7	245	128	32°	37°	30°	54°	177	202	97	91	SE	2	SE	1	10	0	—	forming and dispersing in rapid [alternations 8a.—10a. 4p.—6p.]
8	019	025	48°	39°	34°	55°	219	181	66	76	ESE	2	ESE	2	8	0	—	Rough day till 4.30p.
9	30°040	30°050	46°	39°	38°	49°	220	243	70	99	E	3	E by N	1	4	10	032	Wind backed to ENE. 1p., then veered [to E. Drizzling began 4p.]
10	29°999	29°979	42°	42°	39°	52°	233	257	85	96	E by N	5	E	2	10	10	011	Very warm aft. on horizon 9p.
11	30°022	30°156	46°	42°	41°	63°	270	256	85	96	E	2	E	1	10	0	—	on horizon 9p. [Visible.]
12	103	30°123	44°	47°	37°	65°	283	218	97	66	E by N	1	SE by S	1	10	10	—	6a. a. 9p. Large stars [visible.]
13	30°029	29°980	51°	47°	40°	57°	268	288	70	87	SE by S	1	S	2	10	10	133	—
14	29°976	958	51°	49°	46°	56°	349	312	91	97	SSW	1	S	1	10	1	—	Splendidly clear 9a.
15	993	960	55°	49°	47°	61°	303	312	70	88	SSW	1	Calm	0	1	1	—	Drizzle almost all day. Steady 9p.
16	851	750	49°	44°	40°	55°	335	349	92	95	Calm	0	S	1	10	10	089	—
17	709	696	51°	46°	41°	59°	312	277	83	87	W	2	W	1	8	7	040	—
18	768	743	44°	47°	38°	59°	293	302	99	92	Calm	0	Calm	0	10	5	—	early morning. Cleared off after [9a.]
19	696	650	49°	49°	41°	54°	318	313	91	88	SSE	1	S	1	10	1	074	—
20	528	499	52°	45°	44°	52°	302	289	98	97	SSE	1	SW	1	10	10	788	—
21	614	802	49°	46°	43°	55°	267	305	74	97	SSE	3	Calm	0	4	0	—	—
22	904	790	49°	48°	41°	56°	322	328	91	96	Calm	0	Calm	0	10	10	053	—
23	697	632	49°	47°	44°	54°	334	299	96	91	Calm	0	E	1	10	10	295	for less than a minute about 5a. [early a. Showery day and dull.]
24	646	29°739	48°	47°	42°	59°	333	307	93	93	NE	1	NE	3	10	2	—	—
25	29°840	30°007	49°	41°	39°	57°	270	225	76	87	NE	3	NE	4	3	10	—	—
26	30°066	163	45°	42°	37°	60°	241	235	80	87	NE	4	NNE	3	5	10	—	—
27	227	231	48°	43°	40°	64°	268	258	78	93	NE by S	2	Calm	0	7	1	—	on horizon 9p.
28	30°211	30°109	46°	47°	31°	65°	279	203	90	62	SE by S	1	SSE	1	2	1	—	7a. on horizon. 9a.
29	29°979	29°826	55°	50°	50°	66°	299	258	69	71	SE by S	2	SE	1	10	9	195	—
30	29°656	29°595	48°	56°	44°	64°	337	415	99	91	SE	1	S	2	10	10	056	till 10.45a. Then fine. < p. [shower 9p.]
Means	29°845	29°852	46°	44°	38°	56°	270	259	83°	87°	1°	1°	7°	5°	2°	303	—	—

OScott.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	20° 17'	36° 9'	35° 0'	26° 5'	40° 0'	in.	in.	°/o	°/o	W	5	WSW	3	0	0	ins.	✱ ⁰ 11.30a. and 0.45p. ✱ ² 1.45p.
2	205	409	41° 3'	38° 9'	32° 9'	48° 8'	202	198	78	84	W	6-7	WSW	4	9	0	020	all day. [5.30p.]	
3	462	511	43° 9'	34° 4'	32° 6'	45° 8'	231	193	80	97	SW	5	WNW	0-1	9	0	150	ga. and p. Δ ² and then ● ²	
4	756	29° 794	41° 0'	40° 8'	31° 7'	50° 1'	211	199	83	78	WNW	1-2	SW	2	9	1	020	Cloud in thin layer or ∞ with ● ² 9a.	
5	29° 827	30° 005	39° 2'	38° 3'	33° 5'	50° 3'	226	209	94	91	Calm	0	Calm	0	9	0	—	ga. [Day fine.]	
6	30° 112	180	42° 6'	40° 8'	31° 3'	54° 0'	199	199	73	78	NE	1	N	0-1	9	0	—	—	
7	30° 189	30° 077	45° 0'	40° 0'	32° 4'	55° 0'	192	191	64	77	ENE	4-5	E	5-6	2	0	—	Day fine.	
8	29° 969	29° 997	46° 0'	41° 2'	35° 3'	56° 1'	200	184	65	71	E	6	E	5-6	8	0	—	Much thin cloud or ∞ 9a. Day [fine.]	
9	30° 028	30° 043	46° 1'	40° 3'	35° 4'	50° 1'	181	247	59	100	E-ENE	6	ENE	6	0	10	020	ga. all day.	
10	29° 999	29° 980	42° 9'	43° 0'	39° 8'	53° 1'	237	251	86	90	ENE	5-6	ENE	3-4	10	10	090	all day.	
11	30° 024	30° 155	47° 2'	46° 4'	42° 6'	60° 9'	284	282	89	90	NE	3	NE	2	9	1	—	—	
12	30° 197	30° 079	40° 6'	51° 8'	37° 0'	61° 1'	251	274	99	72	ENE	3	SE	3	10	10	—	ga. Day fine. ∞ in after-noon.	
13	29° 983	29° 946	49° 0'	48° 5'	43° 9'	52° 7'	282	332	80	98	SE	2	SSW	3-4	10	10	080	—	
14	958	945	55° 0'	50° 5'	47° 7'	61° 2'	330	355	76	97	S	3	SSW	2	8	10	—	∞ a.	
15	993	940	54° 0'	52° 2'	46° 2'	61° 2'	324	311	78	80	SSW	2-3	SW	1	9	10	—	—	
16	831	733	51° 1'	50° 4'	44° 3'	54° 2'	345	361	91	100	S-SSE	1-2	S	2	10	10	140	—	
17	701	716	52° 0'	47° 1'	41° 5'	50° 4'	315	312	81	96	SW	3	NW	2	9	10	—	—	
18	780	710	45° 1'	50° 5'	41° 2'	62° 1'	299	307	100	84	Calm	0	S	2	10	2	080	ga. in morning.	
19	677	621	48° 0'	51° 1'	45° 0'	57° 4'	327	327	98	86	SSE	1-2	SE	2	10	9	240	—	
20	530	497	49° 9'	47° 2'	47° 1'	52° 2'	357	315	100	98	S	0-1	SE	0-1	10	0	410	p.	
21	581	790	50° 1'	49° 0'	42° 6'	57° 6'	272	283	75	81	SE	3	E	1	9	1	—	—	
22	891	759	51° 0'	50° 4'	40° 8'	57° 1'	326	359	87	98	NE	2	NE	3	9	10	170	ga.	
23	680	645	49° 2'	48° 0'	45° 2'	53° 2'	335	312	96	94	NE	3	NNE	5-6	10	10	210	—	
24	662	29° 776	47° 9'	44° 4'	43° 3'	59° 7'	300	262	91	90	NNE	4	NNE	6	10	3	—	Three sea-gulls from N direction 2.45p.	
25	29° 874	30° 044	49° 8'	43° 0'	39° 6'	57° 6'	236	226	66	82	NNE	5-6	NE	5-6	0	3	—	—	
26	30° 101	170	44° 1'	44° 7'	38° 4'	56° 8'	225	253	78	86	NNE	3	NE	1	7	0	—	Day fine. Very fine 9p.	
27	237	210	46° 1'	39° 1'	39° 9'	59° 9'	237	277	76	80	ENE	2	E	1	3	0	—	Day fine. Very fine 9p.	
28	30° 176	30° 073	52° 9'	50° 8'	40° 1'	64° 1'	280	257	71	69	ESE	1	ESE	1-2	9	0	—	∞ ga. Wind variable S-ENE.	
29	936	29° 783	52° 2'	53° 4'	43° 7'	63° 1'	285	286	73	74	E-ENE	3	ESE	2	10	10	130	—	
30	939	29° 582	48° 0'	54° 6'	46° 1'	64° 0'	332	401	99	90	ENE	1	S	2	10	1	190	2 a. 3 p. T 6.45p.	
Means	29° 838	29° 845	47° 0'	45° 8'	39° 6'	56° 2'	266	271	81° 9'	86° 4'	3° 0'	2° 6'	7° 9'	4° 4'	1° 950'				

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	38.6	34.6	26.2	45.9	in.	in.	78	88	WNW 2	WNW 1	3	1	ins.	
2	29.175	29.217	38.6	34.6	26.2	45.9	1.182	1.177	78	88	WNW 3	W 1	7	0	—	
3	266	455	41.7	39.6	31.1	49.5	1.198	1.196	76	81	WNW 3	W 1	7	0	—	
4	463	550	42.7	36.7	33.6	46.8	1.233	1.199	85	92	WSW 1	Calm 0	9	0	1.160	
5	771	29.804	44.1	39.4	33.9	54.3	1.216	1.198	74	83	Calm 0	Calm 0	0	0	1.066	
6	29.831	30.019	41.1	41.8	32.6	51.5	1.212	1.211	82	80	W 1	Calm 0	6	5	1.020	
7	30.120	30.155	39.8	43.3	29.6	53.9	1.207	1.195	85	69	Calm 0	NE 1	4	0	—	
8	30.150	30.019	45.7	40.6	32.2	55.0	1.196	1.191	65	75	SE 2	E 2	2	0	—	
9	29.915	29.920	45.6	43.7	34.8	59.9	1.203	1.186	67	65	E 2	E 3	10	2	—	
10	29.993	30.003	47.3	42.6	35.8	52.2	1.204	1.231	63	85	E 2	E 3	0	10	1.020	
11	945	29.923	42.8	43.6	41.1	40.2	1.220	1.258	83	90	E 3	E 2	10	10	1.757	
12	29.989	30.139	49.8	47.4	42.8	57.4	1.306	1.269	85	82	E 1	Calm 0	5	0	1.004	
13	30.160	30.033	47.4	50.6	38.2	61.2	1.258	1.276	79	75	Calm 0	Calm 0	8	10	1.052	gp.
14	29.934	29.940	48.6	49.0	46.9	51.1	1.317	1.335	93	97	SE 1	S 1	10	10	1.064	gp.
15	961	945	52.8	50.0	48.1	56.7	1.353	1.343	88	95	Calm 0	Calm 0	10	1	—	gp.
16	998	930	53.4	52.9	46.0	61.5	1.308	1.344	76	86	SW 1	SW 1	8	7	1.023	gp.
17	816	747	49.9	45.8	45.5	55.6	1.344	1.280	96	92	Calm 0	Calm 0	10	3	1.150	gp.
18	704	728	50.7	47.4	43.7	57.8	1.315	1.286	85	88	W 1	Calm 0	10	4	1.170	gp.
19	768	693	52.9	50.6	35.5	60.5	1.294	1.295	74	80	Calm 0	Calm 0	0	0	1.090	gp.
20	654	588	52.2	52.4	47.0	61.4	1.351	1.338	90	86	Calm 0	Calm 0	10	9	1.082	gp.
21	499	475	51.8	49.3	49.2	56.8	1.361	1.297	93	85	Calm 0	Calm 0	10	0	1.010	gp.
22	537	777	47.7	46.8	43.6	56.3	1.304	1.285	92	89	ESE 2	Calm 0	10	2	1.046	gp.
23	873	718	51.8	49.8	38.3	60.5	1.318	1.335	82	93	Calm 0	E 1	6	10	1.065	gp.
24	626	595	51.7	51.7	45.7	57.6	1.322	1.331	84	87	E 2	E 1	7	10	1.080	gp.
25	645	29.756	47.7	48.4	45.2	59.5	1.295	1.281	89	83	NE 2	NE 2	10	1	1.050	
26	29.878	30.032	51.4	45.2	39.6	59.1	1.245	1.229	64	76	NE 2	NE 1	1	0	—	
27	30.121	30.151	45.0	46.6	37.1	58.6	1.220	1.254	73	81	NNE 1	Calm 0	5	0	—	
28	244	188	42.4	49.9	40.0	60.2	1.232	1.238	86	66	Calm 0	Calm 0	10	0	—	gp.
29	30.165	30.033	54.4	50.5	35.4	62.6	1.280	1.266	68	73	Calm 0	Calm 0	1	0	—	gp.
30	29.888	29.732	53.7	54.7	44.8	61.8	1.304	1.315	75	73	Calm 0	SE 1	9	10	1.280	gp.
Means	29.824	29.829	47.9	46.6	39.7	56.6	1.273	1.268	80.9	83.0	1.0	0.7	6.7	3.5	2.318	

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

APRIL 1878.

1	29.110	29.172	33.6	36.9	17.2	46.6	1.152	1.188	80	86	NW 3	W 4	4	0	—	Passing showers of * a. and p.
2	209	441	41.6	39.4	34.2	48.5	1.197	1.200	76	83	NW 4	NW 2	4	0	—	* showers. Clear night.
3	515	479	40.9	37.8	33.4	44.3	1.232	1.207	91	91	SW 2	NW 3	10	4	1.160	
4	735	29.805	42.6	38.6	35.0	52.8	1.221	1.218	82	93	NW 3	W 2	0	0	1.050	
5	29.803	30.015	45.9	33.6	30.0	53.0	1.234	1.170	77	88	W 2	N 2	5	0	—	* Clear and frosty night.
6	30.103	30.198	41.7	34.6	26.2	54.3	1.242	1.179	92	89	SW 1	SE 1	0	0	—	before ga.
7	225	30.077	46.6	41.6	30.4	52.9	1.241	1.245	76	93	SE 2	SE 3	3	0	—	
8	003	29.987	49.1	42.6	37.8	53.7	1.235	1.201	68	74	SE 4	SE 4	4	0	—	
9	30.011	30.005	46.3	43.6	37.2	50.1	1.207	1.252	66	89	SE 4	NE 3	5	10	—	
10	29.974	29.923	46.6	48.6	41.0	53.1	1.233	1.254	72	74	E 2	E 2	9	7	—	
11	30.007	30.126	52.1	45.1	45.0	61.0	1.281	1.257	72	85	E 2	E 1	10	0	—	
12	171	214	43.6	44.6	32.2	64.2	1.270	1.265	95	90	SE 1	SE 2	0	0	—	early a. Fine and clear after.
13	30.046	30.010	54.8	49.6	40.1	62.1	1.299	1.286	70	81	SE 2	SE 2	8	8	1.020	
14	29.990	29.976	54.6	51.1	47.5	61.0	1.367	1.329	86	87	SE 1	SE 1	10	7	—	
15	30.026	30.071	53.7	45.8	40.2	61.9	1.346	1.287	84	93	Calm 0	Calm 0	10	0	—	
16	29.843	748	50.1	50.6	38.4	56.2	1.330	1.358	91	97	Calm 0	Calm 0	10	10	1.110	
17	718	715	54.1	46.1	45.2	60.0	1.325	1.305	77	98	W 2	W 2	7	8	1.090	
18	759	747	47.6	46.9	36.3	63.5	1.305	1.299	93	94	SW 2	SW 2	0	0	—	
19	676	647	53.1	52.9	40.8	60.0	1.365	1.365	90	91	S 2	SW 1	10	10	1.020	
20	531	527	55.6	43.6	43.3	57.8	1.418	1.281	95	99	SW 2	NW 1	10	0	1.500	
21	640	802	52.1	46.6	43.3	58.2	1.293	1.296	75	94	SE 2	SW 1	5	3	—	
22	877	717	49.6	49.1	44.3	55.9	1.308	1.336	88	96	NW 1	E 1	10	10	1.120	
23	670	660	49.6	52.0	46.4	55.0	1.356	1.353	100	91	NE 1	Calm 0	10	10	1.400	
24	575	667	51.6	44.6	44.5	59.8	1.361	1.276	95	94	Calm 0	NE 1	10	0	1.020	A large and very brilliant meteor seen in the SW. at 8.15 p.
25	29.767	29.941	51.6	43.5	41.3	59.0	1.316	1.249	82	88	NE 3	NE 4	5	6	—	
26	30.022	30.110	45.9	44.6	42.5	56.2	1.248	1.263	82	89	NE 4	NE 3	10	10	—	
27	189	201	48.4	41.6	41.3	61.0	1.264	1.250	78	95	NE 3	SE 2	5	0	—	Very ugly looking in the distance.
28	198	30.104	49.6	47.8	38.2	63.7	1.286	1.245	81	74	E 1	Calm 0	4	5	—	before ga., but clear generally.
29	30.067	29.800	57.2	51.8	43.9	66.2	1.284	1.289	60	75	E 2	SE 2	7	10	1.170	
30	29.637	29.609	53.6	54.6	48.3	67.9	1.403	1.400	100	95	SE 1	Calm 0	10	0	1.020	
Means	29.837	29.843	48.8	45.0	38.8	57.3	1.288	1.270	82.5	88.9	2.0	1.7	6.5	3.9	1.680	

CARMARTHEN.

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

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	43.2	34.8	27.9	47.1	in.	in.	73	95	N 2	NW 2	5	0	—	Squally all day. T 6p. gp. ga. ga. and gp.
2	29.244	29.261	43.2	34.8	27.9	47.1	29.243	29.192	73	95	NW 2	NW 2	5	0	—	
3	355	501	48.1	39.4	32.1	50.4	23.1	22.1	68	92	NW 3	W 1	5	0	0.80	
4	461	571	39.9	37.3	33.7	48.2	22.5	21.3	92	95	SW 1	Calm 0	10	0	0.60	
5	777	29.796	42.3	39.9	32.8	53.9	24.3	22.7	91	93	Calm 0	Calm 0	7	9	1.30	
6	29.864	30.023	44.7	37.4	34.6	50.1	22.5	20.2	76	90	W 1	Calm 0	9	0	—	
7	30.113	30.129	51.3	41.9	29.3	56.3	27.4	23.0	73	87	Calm 0	Calm 0	1	0	—	
8	30.052	29.879	51.5	45.7	35.9	57.5	22.1	21.6	58	71	SE 3	E 4	1	0	—	
9	29.765	805	49.0	49.1	43.4	61.2	23.4	23.0	67	65	SE 3	E 6	10	8	—	
10	901	955	50.0	45.4	37.7	59.9	21.5	25.0	60	83	E 4	SE 3	0	10	1.10	
11	905	29.897	42.9	43.4	40.3	53.6	26.1	25.9	95	92	E 2	E 2	10	10	2.90	
12	29.992	30.106	53.3	49.1	43.4	55.5	32.2	32.8	79	94	E 1	Calm 0	10	10	—	
13	30.107	29.988	54.4	50.6	40.5	59.5	33.9	27.9	80	76	SE 1	SE 1	9	10	3.90	
14	29.860	933	49.5	49.3	47.2	52.8	34.9	35.2	99	100	SE 1	S 1	10	10	5.90	
15	939	933	51.4	49.8	46.8	56.8	36.4	35.8	96	100	S 1	S 1	10	10	0.70	
16	985	916	53.6	51.8	48.4	59.2	36.6	34.5	89	89	SW 2	SE 1	6	10	2.60	
17	791	747	51.6	48.2	48.2	54.5	35.3	33.5	93	100	S 1	SW 1	10	9	1.30	
18	795	741	52.3	44.3	44.3	58.2	32.5	27.9	82	96	W 2	Calm 0	8	0	0.70	
19	769	632	46.7	48.8	35.9	61.0	31.5	34.0	99	98	E 1	E 1	10	10	1.40	
20	641	550	51.8	51.3	48.5	60.9	37.1	36.7	96	97	S 2	S 1	10	10	2.20	
21	488	448	53.6	46.9	46.8	61.2	36.6	30.9	89	97	S 1	Calm 0	10	10	1.60	
22	473	725	52.1	48.3	43.5	58.8	31.6	31.3	81	93	SE 2	Calm 0	9	2	—	
23	841	678	57.5	51.6	43.3	63.0	33.9	32.3	72	84	SE 1	E 1	2	8	—	
24	576	572	56.7	52.4	45.1	61.0	32.8	34.3	72	87	E 3	NE 2	7	6	2.00	
25	620	29.729	52.0	52.3	48.0	61.8	32.2	30.6	83	76	E 2	E 1	10	0	0.20	
26	29.874	30.014	54.7	48.8	41.1	63.9	28.3	29.2	66	84	E 2	E 1	0	0	—	
27	30.100	139	50.8	44.7	38.3	61.9	26.5	26.6	72	90	E 1	E 1	0	0	—	
28	197	30.188	52.5	43.9	40.9	61.5	28.8	25.7	74	89	E 2	Calm 0	0	0	—	
29	30.124	29.997	59.6	48.8	37.8	63.0	30.5	27.3	60	79	SE 3	Calm 0	4	0	—	
30	29.795	665	59.8	54.0	46.7	62.2	37.5	38.2	73	92	SE 3	SE 2	10	10	2.30	
30	29.612	29.564	52.3	54.3	50.5	59.8	39.3	41.9	100	99	Calm 0	Calm 0	10	10	1.90	
Means	29.798	29.803	51.0	46.8	41.1	57.8	30.1	29.0	80.3	89.4	1.7	1.1	6.8	5.4	3.440	

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30°6	35°4	27°4	48°3	ins.	ins.	70	87	NW 1	NW 1	0	0	ins.	—
2	29°187	29°272	44°8	38°9	30°7	50°1	195	199	66	85	W 2	W 2	0	0	0.06	—
3	29°540	29°558	42°6	36°7	33°3	43°6	247	199	90	92	SW 2	W 1	10	0	0.140	—
4	29°782	29°837	45°3	42°4	30°3	52°1	228	234	75	87	W 1	SW 1	3	6	0.078	—
5	29°845	30°027	44°8	38°4	32°1	52°3	235	216	79	93	SW 1	NW 1	8	0	0.014	—
6	30°126	30°190	46°5	39°0	27°0	56°6	215	221	69	94	Calm	Calm	0	0	—	—
7	30°180	30°039	47°5	41°0	27°9	56°5	193	216	59	84	E 2	E 2	0	0	—	—
8	29°942	29°932	50°3	43°5	37°3	59°2	194	208	54	74	E 2	E 2	8	0	—	—
9	29°957	29°972	49°1	43°9	37°3	53°7	203	226	57	79	E 1	NE 2	2	10	—	—
10	29°910	29°881	45°5	44°9	41°5	49°3	225	274	75	92	E 1-2	E 1	10	10	—	—
11	29°954	30°103	46°6	48°4	43°9	52°8	287	288	91	85	SE 1	E 1	10	6	—	—
12	30°172	30°172	54°5	48°6	34°2	64°5	281	262	67	76	Calm	Calm	0	7	—	—
13	30°34	30°026	53°6	50°1	41°3	55°4	284	325	69	90	S 2	S 1-2	10	10	—	—
14	30°011	30°002	54°0	51°4	49°4	61°2	356	322	85	85	SW 1	SW 1	10	3	—	—
15	30°052	29°973	54°1	48°0	44°6	60°4	360	309	85	93	SW 1	Calm	0	10	5	—
16	29°860	29°787	50°8	50°2	42°9	59°0	312	331	84	92	S 1	SW 1	10	7	—	—
17	29°772	29°734	54°2	47°0	44°9	59°1	327	309	77	97	SW 1	W 1	10	9	—	—
18	29°786	29°761	50°5	47°3	41°1	64°0	306	283	84	88	SW 1	SW 1	4	4	—	—
19	29°698	29°663	52°1	53°3	44°8	62°7	360	370	92	91	SW 1	S 1	10	10	—	—
20	29°638	29°530	50°8	47°5	47°5	60°2	351	297	94	91	SW 1	W 1-2	10	1	—	—
21	29°602	29°500	51°0	45°8	43°4	58°5	324	284	87	93	SW 2	W 1	9	1	—	—
22	29°881	29°790	52°4	48°1	40°5	59°8	325	318	83	95	S 1	SE 1	10	5	—	—
23	29°634	29°601	51°4	52°1	41°4	60°5	309	336	82	86	E 2	NE 1	10	9	—	—
24	29°588	29°666	52°1	50°4	50°0	58°4	367	315	94	85	NE 1	NE 2	10	1	—	—
25	29°788	29°955	50°5	44°9	44°0	61°2	341	297	81	84	NE 2-3	N 2-3	6	0	—	—
26	30°058	30°083	48°0	45°3	41°0	60°6	264	257	79	85	N 2	NE 1	3	2	—	—
27	29°202	29°221	53°2	50°2	40°6	64°0	302	288	74	80	NE 1	N 1	0	10	—	—
28	30°307	30°091	54°4	49°0	34°0	65°6	322	275	76	79	E 1	NE 1	0	1	—	—
29	29°936	29°787	54°4	53°3	38°8	65°3	315	378	74	93	E 1	SE 1	9	10	—	—
30	29°660	29°574	58°4	54°1	50°2	63°2	415	386	85	92	SW 1	SW 1	10	10	—	—
Means	29°841	29°849	50°1	46°2	39°4	57°9	286	278	77°6	87°6	1°3	1°2	6°6	4°5	2°353	—

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29°135	29°268	36°4	35°3	29°7	45°0	144	179	66	87	NW 3	NW 4	5	0	—	—
2	29°289	29°485	42°8	40°0	32°8	49°4	195	204	71	82	SW 5	SW 3	2	5	—	—
3	29°598	29°535	44°0	41°1	34°9	45°1	250	226	86	88	SW 4	SW 3	10	2	—	—
4	29°785	29°882	44°3	41°2	32°6	49°9	218	239	74	93	W 3	S 1	0	3	—	—
5	29°852	30°029	46°5	38°0	34°1	52°3	267	207	85	90	SW 2	W 1	3	0	—	—
6	30°149	30°255	45°6	41°1	34°0	50°2	247	238	81	93	NW 1	NE 1	3	0	—	—
7	30°111	30°111	42°0	44°1	34°2	46°2	241	232	91	80	NE 4	NE 5	6	0	—	—
8	30°034	29°994	44°0	45°2	41°7	49°0	208	218	72	73	NE 5	NE 6	1	0	—	—
9	29°996	29°990	44°1	43°2	41°2	48°3	232	253	80	90	NE 4	NE 5	0	3	—	—
10	29°973	29°938	44°8	47°8	41°3	49°0	230	251	77	76	E 4	NE 5	8	10	—	—
11	30°004	30°098	45°8	47°0	44°5	52°6	262	267	86	83	E 3	NE 3	10	0	—	—
12	29°184	29°157	51°4	45°1	43°0	57°4	294	272	78	90	NE 2	N 2	1	3	—	—
13	29°107	29°088	50°8	48°6	41°9	61°4	275	284	74	83	SE 2	Calm	0	5	—	—
14	29°051	29°048	52°2	49°9	46°6	55°8	382	296	98	83	S 1	Calm	0	4	—	—
15	30°075	30°019	58°0	50°0	45°9	62°8	335	308	70	85	S 2	Calm	0	4	—	—
16	29°858	29°803	48°6	48°6	46°1	53°4	328	333	96	97	NW 1	Calm	0	10	—	—
17	29°782	29°747	52°1	47°5	46°8	57°2	342	315	87	96	SW 2	SW 1	8	6	—	—
18	29°792	29°831	53°5	43°6	42°1	57°0	346	273	84	100	SW 2	SW 2	3	10	—	—
19	29°740	29°747	48°3	49°3	40°9	55°8	329	339	97	97	SE 3	SW 1	10	10	—	—
20	29°583	29°599	50°6	46°8	46°8	53°3	356	306	97	95	E 2	SW 1	10	2	—	—
21	29°766	29°849	50°0	47°2	44°2	54°7	317	297	85	92	S 2	NE 4	3	3	—	—
22	29°883	29°790	49°5	46°5	46°5	53°5	342	309	97	98	NE 1	Calm	0	10	—	—
23	29°673	29°666	48°3	50°2	46°2	54°3	329	345	97	96	NE 1	NE 3	10	7	—	—
24	29°594	29°619	51°1	46°9	46°5	56°2	362	295	96	93	NE 2	NE 5	10	4	—	—
25	29°717	29°893	50°8	46°1	45°8	53°3	317	261	85	85	N 5	N 7	5	10	—	—
26	29°962	30°080	48°2	45°0	44°0	55°0	187	254	56	85	N 4	N 4	6	2	—	—
27	30°201	30°254	46°5	41°8	41°5	56°3	184	256	59	97	NE 2	NE 1	9	10	—	—
28	29°231	29°128	44°9	47°1	39°8	52°3	268	279	90	86	NE 2	NE 3	10	2	—	—
29	30°005	29°810	51°1	50°6	46°8	56°8	304	312	81	85	NE 2	E 3	9	10	—	—
30	29°685	29°703	53°2	49°7	49°2	65°2	391	349	97	98	S 2	SW 2	10	4	—	—
Means	29°864	29°877	48°0	45°5	41°7	53°3	283	273	83°1	89°2	2°6	2°5	6°2	4°5	1°886	—

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	Min.	Max.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	
1	ins.	ins.	30°6	35°4	27°4	48°3	ins.	ins.	70	87	NW 3	NW 2	0	0	—	Cold drying wind.
2	29°235	29°310	39°7	37°6	30°4	44°9	157	157	64	70	NW 4	SW 1	3	0	—	Day fine and dry.
3	29°368	29°555	44°2	41°0	31°5	46°7	177	183	60	71	NW 4	SW 1	10	0	—	—
4	29°543	29°598	43°9	38°9	37°1	50°9	247	191	86	82	SW 1	SW 1	10	0	—	—
5	29°805	29°846	46°7	41°2	32°7	46°7	217	231	69	90	NW 1	SW 1	4	1	—	Beautiful day.
6	29°879	30°027	46°0	40°0	32°7	52°6	229	202	74	82	W 2	W 0.5	7	0	—	—
7	30°129	30°174	48°0	40°2	31°6	52°5	206	209	62	84	NE 0.5	SE 0.1	3	0	—	Beautiful day.
8	30°143	29°969	49°0	44°9	34°9	52°1	165	203	48	69	SE 6	SE 6	1	0	—	with clouds of dust. Small U.
9	29°887	29°872	49°1	47°3	42°9	54°0	189	195	55	60	E 6	E 6	9	1	—	with clouds of dust during day.
10	29°917	29°919	50°6	44°8	39°9	57°6	174	224	47	75	E 7	NE 5	0	10	—	with clouds of dust during day.
11	29°878	29°829	45°2	47°6	43°5	54°6	224	307	75	94	E 2	E 3	10	10	—	nearly all day.
12	29°954	30°110	47°8	46°5	44°6	50°5	300	291	91	93	SE 0.5	NW 1	10	10	—	Night fine and mild.
13	30°147	30°147	55°5	49°7	39°7	55°5	306	248	70	70	NE 0.5	SE 3	9	10	—	Beautiful day. Large U.

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.
APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	35°0	30°4	27°6	39°6	ins.	ins.	72	79	NW 2	NW 1	0	0	ins.	
2	29°311	29°382	35°0	30°4	27°6	39°6	148	135	72	79	NW 2	NW 1	0	0	160	
3	29°403	29°601	35°4	30°8	29°5	42°4	179	179	87	87	NW 2	W 1	3	0	410	✱ before 9a.
4	29°514	29°635	34°4	30°0	33°0	41°0	199	188	100	89	S 1	NW 2	10	3	090	✱ 9a.
5	29°808	29°879	39°6	34°0	32°4	44°4	190	175	78	89	W 2	NW 1	6	0	160	
6	29°893	30°003	38°4	37°4	31°8	44°4	204	185	88	83	W 1	W 1	10	5	030	
7	30°094	30°159	46°0	32°0	31°5	50°0	196	167	63	92	E 1	E 2	5	0	—	
8	30°004	29°879	40°4	40°8	32°0	45°8	222	206	89	81	E 9	E 10	7	0	070	
9	29°782	29°785	39°0	42°8	38°0	43°0	238	217	100	79	SE 8	SE 7	10	10	020	Squalls a. and p.
10	29°832	29°890	39°6	38°8	37°0	47°4	188	219	78	94	E 8	SE 8	10	10	390	Squalls a. and p.
11	29°798	29°832	36°2	39°4	35°0	39°4	205	241	96	100	NE 5	E 1	10	10	160	☁ p.
12	29°991	30°098	42°8	43°4	39°0	46°6	275	281	100	100	NW 1	NE 1	10	10	—	☁ 9a. and before.
13	30°120	30°026	46°4	44°2	43°0	43°8	268	250	85	86	SE 2	Calm 0	10	10	230	
14	29°931	29°937	43°8	46°4	43°0	46°4	286	316	100	100	SE 4	Calm 0	10	10	420	☁ p.
15	29°961	29°977	47°4	46°4	45°6	49°4	328	316	100	100	S 3	S 3	10	10	250	☁ all day.
16	30°023	29°941	48°0	46°8	44°0	51°4	319	321	96	100	SW 3	S 2	10	10	220	☁ a. and p.
17	29°813	29°822	47°4	45°4	44°5	49°4	328	304	100	100	S 2	SW 3	10	10	410	☁ all day.
18	29°792	29°790	47°0	44°2	41°0	49°0	294	280	92	97	W 4	W 3	10	10	310	☁ began at 4p.
19	29°705	29°675	49°0	45°0	39°5	52°6	322	299	93	100	S 1	S 2	5	10	230	☁ began at 4p.
20	29°701	29°587	46°8	46°6	44°8	51°6	321	318	100	100	SW 3	SW 1	10	10	400	☁ a. and p.
21	29°525	29°512	46°0	41°4	41°0	51°8	311	252	100	97	SW 1	SW 1	10	10	070	
22	29°620	29°730	45°4	40°4	39°0	47°6	246	234	82	94	W 1	Calm 0	9	8	500	
23	29°828	29°644	45°4	43°0	39°0	51°0	266	266	89	96	E 4	E 8	7	10	230	Squalls 9p.
24	29°521	29°499	43°0	45°0	41°0	46°0	268	299	97	100	SE 7	SE 5	10	10	700	☁ nearly all day from E. ☁ p.
25	29°554	29°643	45°4	48°4	44°0	48°4	304	340	100	100	E 5	E 5	10	10	200	☁ all day.
26	29°780	29°907	43°4	45°4	39°5	56°0	226	250	80	83	NE 5	E 4	2	0	—	Fine summer-like weather.
27	30°043	30°148	49°0	43°0	33°6	57°0	254	223	73	80	E 2	Calm 0	0	0	—	Fine summer-like weather.
28	29°168	29°218	50°0	40°0	38°4	56°0	277	154	78	62	E 2	Calm 0	0	0	—	Fine summer-like weather.
29	30°131	30°037	46°0	41°4	36°0	55°4	273	261	89	100	E 4	Calm 0	10	10	010	☁ 9p.
30	29°811	29°688	49°4	49°4	38°8	50°4	338	353	96	100	SE 2	SE 2	10	10	190	☁ p.
Means	29°656	29°591	49°8	49°4	47°8	52°0	358	353	100	100	S 2	S 1	10	10	390	☁ all day.

BABBACOMBE.

Height above Mean Sea Level, 293 feet. Long. 3° 31' W. Lat. 50° 29' N.
APRIL 1878.

1	29°282	29°345	41°7	34°6	33°2	48°8	177	156	68	77	NW 3	W 2	2	0	060	Zodiacal light in WNW. 8p.—10p.
2	29°402	29°583	47°3	39°4	31°6	52°6	238	209	73	87	W 3	WSW 4	2	0	180	☁ 7a. Zodiacal light in WNW.
3	29°506	29°627	41°0	37°9	37°9	49°7	246	199	96	87	SW 1	WSW 2	10	0	050	☁ a. and p. ☁ after 9p.
4	29°802	29°861	50°3	37°8	32°9	55°8	253	205	71	91	W 1	WSW 1	2	0	020	☁ a. ☁ after 9p.
5	29°888	30°056	49°8	38°7	34°6	56°3	256	199	72	84	W 2	Calm 0	2	0	—	☁ a. ☁ after 9p.
6	30°125	30°138	46°6	43°4	33°5	52°8	252	218	80	77	ENE 1	ESE 2	1	0	—	☁ a. ☁ after 9p.
7	30°061	29°872	46°0	46°2	43°1	47°6	251	249	82	81	E 5	E 7	1	3	280	☁ a. and p.
8	29°799	29°781	43°6	47°8	43°2	47°8	250	251	88	76	E 5	E 5	10	10	050	☁ a. and p.
9	29°866	29°881	44°1	44°1	43°1	48°8	224	244	76	84	ENE 5	E 7	9	10	1100	☁ in squalls p.
10	29°793	29°806	41°4	43°9	41°1	44°4	261	277	100	97	NE 3	NNE 3	10	10	320	Squalls before 9a. ☁ p.
11	29°904	30°107	46°9	49°0	43°6	53°8	308	312	97	90	N 2	N 1	10	10	—	☁ before 9a.
12	30°123	30°035	49°6	46°9	46°9	54°8	324	308	92	97	NE 1	E 2	8	10	090	☁ 7.45a.—8.30a. and in evening; over sea all day.
13	29°956	29°966	47°9	49°9	46°5	49°9	322	360	97	100	S 4	SW 2	10	10	170	☁ a. and p.
14	29°975	30°003	49°4	48°7	48°0	58°0	353	311	100	91	SW 1	WSW 2	10	6	030	☁ a. and p.
15	30°034	29°971	52°6	50°2	48°2	57°5	391	343	99	95	SW 2	SSW 1	10	9	060	
16	29°823	29°813	49°9	48°9	47°5	55°3	346	334	97	92	Calm 0	WSW 1	10	8	120	
17	29°781	29°792	53°0	49°0	45°2	57°9	333	294	82	85	W 3	W 2	8	8	050	
18	29°800	29°702	52°2	47°9	43°3	55°7	317	329	81	99	S 2	SSE 2	7	10	420	☁ n. ☁ 11.30a.—1p. ☁ p.
19	29°704	29°599	51°9	50°4	46°9	57°2	373	366	97	100	SSW 1	SSW 3	9	10	170	☁ a. and p.
20	29°532	29°501	51°9	46°2	46°2	57°8	349	296	91	96	SW 1	SW 3	10	5	070	☁ to 9a. ☁ 9.30a.—10a.
21	29°519	29°738	48°3	43°9	43°9	54°4	298	266	89	93	SSW 2	SW 1	10	9	030	☁ 9p.
22	29°838	29°676	48°9	47°0	43°2	52°7	287	303	84	94	E 3	E 4	4	9	230	☁ before 9a.
23	29°525	29°506	46°1	48°3	46°0	49°4	307	331	98	98	ENE 3	E 3	10	10	450	
24	29°552	29°650	48°6	52°0	48°0	52°8	338	371	97	96	ENE 2	NE 3	10	10	080	☁ a. and p.
25	29°802	29°907	50°0	50°8	43°8	59°0	275	287	77	77	NNE 3	NNE 3	3	0	—	
26	30°075	30°124	48°8	46°5	39°9	56°7	241	278	70	89	NNE 2	W 1	1	1	—	Squalls before 9a. ☁ p.
27	29°222	29°196	42°7	43°0	42°4	52°7	245	244	89	88	ENE 2	ENE 1	10	1	—	☁ a. ☁ 2 p.
28	30°151	30°024	48°8	44°9	41°2	50°8	295	288	86	97	E 2	ENE 2	7	10	—	☁ to 9a. ☁ p.
29	29°830	29°692	50°3	50°2	44°9	51°0	340	356	94	98	ENE 2	S 1	10	10	330	☁ a. and p.
30	29°653	29°610	54°8	52°1	50°2	59°3	406	378	94	97	SW 2	SSW 2	9	10	070	☁ p.
Means	29°819	29°821	48°1	46°0	42°7	53°4	295	285	87	90	2°3	2°4	7°2	6°3	15°030	

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.
APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	41°	39°	38°	46°	ins.	ins.	%	%	NbyW 2	W 1	9	0	ins.	Squalls early a.
2	29°313	29°419	41°3	39°3	38°7	46°9	188	176	73	74	NW 3	W 2	9	0	187	☁ 1a.
3	29°464	29°682	45°7	43°7	37°9	50°8	247	225	81	78	NW 3	W 2	9	0	187	☁ 9p.
4	29°620	29°696	48°9	45°2	41°8	52°5	323	258	94	86	SW 5	W 1	10	10	250	☁ 9.40a. for about 3 mins. ☁ 9p.
5	29°846	29°910	50°4	41°7	37°8	55°7	238	227	65	86	Calm 0	Calm 0	5	1	014	☁ a. (force 7) at night.
6	29°945	30°092	50°1	42°1	39°4	54°3	264	226	73	85	W 3	Calm 0	4	0	024	☁ in squalls all day. ☁ (faint colours) from 11a. ☁ from 7.30p.
7	30°144	30°151	51°5	45°2	39°2	53°7	267	231	71	77	SW 1	E 5	2	0	—	☁ after 9a. at times.
8	30°047	29°857	48°0	51°3	42°0	58°2	224	227	67	60	E 6	E 6	1	0	014	Squally a. ☁ p.
9	29°781	29°769	49°1	51°9	45°2	56°9	230	341	66	88	E 3	E 4	10	10	393	☁ from 3p.
10	29°790	29°830	45°2	47°0	42°9	52°0	219	293	73	92	ENE 5	NE 3	10	10	604	☁ early a. ☁ from NW. ☁ p.
11	29°788	29°863	47°7	45°8	45°0	50°2	324	274	98	89	SE 2	NW 1	10	8	037	☁ from 3p.
12	29°997	30°126	49°2	48°3	43°4	53°2	303	322	87	95	WNW 2	NW 1	10	10	001	☁ early a. ☁ from NW. ☁ p.
13	30°167	30°167	47°6	47°6	42°8	54°0	308	303	94	82	Calm 0	Calm 0	10	10	—	☁ from 3p.
14	29°0	29°0	50°5	51°8	48°1	53°9	337	331	89	85	SE 1	S 2	10	10	005	☁ (faint colours) 10a.—11a. ☁ p.
15	30°114	30°030	53°8	53°0	49°0	60°3	317	361	76	90	SE 1	Calm 0	2	10	—	☁ (colours) 10a.—11a. 30a. and at times p. Bar. falling slowly.
16	29°900	29°915	53°1	49°9	49°2	56°9	339	346	83	97	SW 2	W 3	9	5	247	Scotch ☁ 5.30p. ☁ p.
17	29°897	29°888	53°0	48°6	48°0	56°2	366	329	97	97	SW 4	W 2	9	1	—	☁ on sea, ☁ a. ☁ p.
18	29°876	29°875	52°4	52°0	44°4	54°9	333	383	85	99	S 1	SW 3	3	10	163	☁ 6.40p. and ☁ SW. 10p. (Communicated.)
19	29°793	29°705	56°2	54°0	49°1	58°5	399	391	88	94	SSW 2	SW 2	8	10	492	Squally at night. ☁ 5.40p.
20	29°622	29°609	50°4	47°5	46°8	58°3	356	399	97	92	SW 2	SW 2	10	4	162	☁ with squalls to about 2p. Partial Warm morning. Hot sun. ☁ p.
21	29°632	29°790	55°2	48°0	46°5	57°5	337	307	78	92	SSW 4	S 4	5	10	185	
22	29°839	29°711	50°8	50°1	44°8	53°1	319	323	85	89	SW 2	SE 2	9	5	195	
23	29°475	29°488	49°1	49°4	47°0	53°7	329	335	94	95	E 5	Calm 0	10	0	014	
24	29°548	29°649	55°0	49°5	46°2	60°3	347	331	80	94	Calm 0	NE 1	6	0	002	
25	29°747	29°918	49°4	51°7	47°4	56°7	317	310	90	81	NE 3	NE 2	10	3	011	
26	30°060	30°146	49°3	44°2	43°2	53°1	286	268	82	92	NE 3	Calm 0	7	0	—	
27	29°210	29°219	52°8	48°5	43°1	58°1	309	280	77	83	E 3	E 2	7	0	—	
28	29°169	29°037	54°6	52°1	46°2	62°1	324	329	76	84	E 3	Calm 0	2	0	—	
29	29°864	29°759	55°3	54°5	51°0	59°7	342	410	78	97	ESE 3	SE 2	10	10	127	
30	29°755	29°688	57°2	52°6	52°0	63°1	418	385	89	97	Calm 0	S 2	9	10	481	
Means	29°852	29°866	50°9	48°8	44°9	55°8	308	305	82°0	87°5	2°4	1°8	7°5	5°2	3°750	

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	37.0	37.3	29.9	45.3	ins.	ins.	66	81	WNW 5	WNW 4	3	0	ins.	Squally and dry air with occasional showers of * and Δ. Very parching.
2	30.1	45.3	41.2	39.2	34.2	48.6	19.6	19.3	76	81	WNW 5	WNW 3	2	0	0.014	Squalls and passing showers of Δ and cold * Brilliant meteor. S. and SE. 7.30p.
3	41.3	56.2	42.0	40.9	36.0	48.3	20.7	22.2	78	87	W 3	WNW 3	6	2	0.042	with squalls p.
4	77.9	29.768	41.1	39.1	33.0	49.5	19.1	21.1	75	89	WNW 1	SW 2	0	4	0.031	a.
5	29.774	30.008	41.2	39.3	35.4	47.5	21.9	21.3	85	89	NW 2	Calm	0	8	0	Calm and frosty evening.
6	30.098	30.148	43.1	42.4	35.2	50.7	22.2	24.5	79	91	Calm	SE 1	2	0	—	early a. D ² evening.
7	30.073	29.882	47.7	47.6	38.7	52.6	24.3	22.6	74	69	SE by S 3	SE 4	5	3	—	a. and p. Squalls p. Partial ☉ at times p.
8	29.780	29.859	47.1	48.7	44.5	48.8	21.7	21.8	67	63	SE by S 5	SE 5	9	6	—	Moderate gale from SE. p. Squally all day.
9	29.994	30.064	47.2	44.7	42.9	51.6	25.1	23.3	78	79	E by S 3	E 6	1	3	—	with squalls a. and p. ∞ p.
10	30.030	30.100	45.1	45.9	44.0	49.0	24.4	24.9	81	81	E 6	NE 3	10	0	0.073	in squalls, a. ∞ p.
11	0.93	30.124	46.1	50.7	44.0	54.5	29.3	31.7	94	86	ENE 2	E 1	10	8	0.010	towards evening. [8.30p.
12	30.092	29.946	53.2	48.5	47.4	57.7	31.1	32.8	77	96	SE 2	SSE 3	5	10	0.355	n. p. Evening obs. taken at in squalls before ga. Temp. rose
13	29.719	29.793	51.9	54.7	46.7	63.1	33.6	32.6	87	77	S 4	SW 3	8	8	—	Very mild and spring-like.
14	8.53	8.801	53.1	53.4	50.9	58.1	33.9	33.0	83	81	SSE 3	SW 2	9	7	0.060	Very fine and mild a. Bar. falling—
15	8.92	8.46	56.6	53.3	52.0	60.3	33.7	34.1	73	83	SSW 2	SW 2	7	9	0.071	Beautifully fine and warm afternoon.
16	7.03	6.68	56.4	50.5	50.5	59.4	35.9	31.0	87	87	SSW 1	W 1	8	9	0.087	D ² p.
17	6.71	7.36	51.1	48.7	46.1	56.3	30.5	30.1	81	88	W 2	Calm	0	9	0	before ga. Bar. falling a. [from 4p. and SE. wind freshening.
18	7.03	5.52	53.4	49.1	42.0	60.5	32.0	32.9	79	94	SE 2	SE 4	3	10	0.180	Brilliant a. Overcast and chilly p.
19	5.40	4.65	58.3	54.1	49.0	61.4	34.6	31.9	71	76	SSW 2	Sby E 3	6	8	0.057	Bright and fine evening.
20	4.76	4.80	54.3	48.9	45.8	55.6	28.8	32.2	69	93	SSE 2	SE 3	3	10	0.075	8 p.
21	5.79	7.90	47.1	49.0	45.8	56.4	30.0	30.0	93	87	ENE 1	Calm	0	10	0	Morning obs. taken at 9.25a. Brilliant.
22	8.02	7.31	52.1	51.3	42.3	56.3	27.8	31.9	71	84	SE 2	SE 2	2	10	0.057	[and fine after.
23	7.18	7.58	48.1	49.5	48.0	53.3	31.3	31.5	93	89	NE 3	NNE 3	10	10	0.075	Temp. falling in the evening.
24	29.820	29.897	47.0	48.9	45.6	56.6	28.2	28.2	88	81	NNE 2	NNE 2	10	0	—	from 3p. with S'y. wind and mild.
25	30.028	30.132	51.1	47.8	43.8	53.9	26.7	26.5	72	80	NE 2	NE 3	0	0	—	at times p.
26	2.08	2.22	46.7	45.4	43.0	49.6	21.4	22.5	68	75	NE 3	NE 2	5	8	—	
27	2.06	30.184	51.3	47.0	40.1	56.7	29.6	27.7	78	87	E 2	E 1	4	0	—	
28	30.107	29.992	52.7	50.3	42.0	59.3	31.0	30.4	78	83	SE 2	SE 2	3	2	—	
29	29.826	29.667	55.0	51.9	47.2	57.6	31.8	36.2	74	94	SE 2	S 2	3	7	1.102	
30	29.568	29.541	52.0	53.2	49.7	55.7	36.6	38.0	94	94	Calm	S 1	10	5	0.022	
Means	29.808	29.811	49.0	47.7	43.2	54.5	27.7	28.2	79.0	84.2	2.5	2.4	5.8	4.7	2.350	

BIRN CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. 7° 55' W. Lat. 53° 6' N.

APRIL 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29.284	29.307	41.5	36.0	25.7	47.2	20.4	18.4	78	87	W 1	NW 1	2	0	0.001	Δ 11.45a.
2	3.75	4.85	43.7	38.0	30.7	50.8	21.2	19.9	74	87	WNW 2	N 0.5	1	2	0.035	Δ 1.30p.
3	4.23	6.31	38.8	38.6	32.9	49.4	22.4	22.2	96	95	WNW 1	WNW 0.5	10	1	0.131	Δ 11.30a. from 11p.
4	7.66	29.771	45.0	36.0	28.0	51.5	22.9	20.1	77	95	WSW 0.5	SW 1	1	0	0.127	
5	29.900	30.012	40.6	41.0	32.0	51.2	21.1	22.5	84	88	NNE 1	WSW 0.5	9	7	0.003	
6	30.091	30.111	46.4	41.2	30.8	55.7	25.3	21.3	81	83	SSW 1	SE 0.5	3	0	—	
7	29.986	29.770	48.2	49.1	32.6	55.4	24.3	34.9	73	100	SSE 2	E 4	7	10	—	
8	6.91	29.770	45.0	49.1	44.3	51.0	29.4	34.9	98	100	SE 4	SE 2	10	10	0.014	
9	29.919	30.032	51.0	42.0	41.7	57.5	36.6	22.5	98	85	SE 4	ESE 0.5	4	0	—	
10	30.023	30.131	44.5	42.1	38.6	49.1	24.4	23.4	83	88	SE 1	E 0.5	10	10	—	
11	0.92	30.124	45.0	44.0	31.2	54.6	27.1	26.5	91	92	NE 0.5	E 0.5	10	9	0.024	W 9p.
12	30.055	29.797	53.5	46.6	42.0	54.6	31.1	29.0	76	92	SE 1	SE 4	10	10	0.545	
13	29.644	29.758	54.5	53.6	45.9	63.4	40.2	36.6	95	89	SSE 1	S 0.5	10	10	—	
14	7.88	7.69	51.1	49.8	47.0	59.3	33.0	33.7	87	94	SE 1	SSW 0.5	10	6	0.005	
15	8.44	7.73	58.0	52.1	48.1	61.8	38.0	33.4	79	85	SE 1	SE 1	9	10	0.012	
16	6.70	6.51	55.2	48.2	42.3	62.3	34.7	31.7	80	95	W 1	SW 0.5	5	10	0.215	
17	6.87	7.53	50.9	49.1	44.7	58.8	32.9	32.4	88	93	WNW 1	W 0.5	6	8	0.002	
18	6.52	5.12	52.1	51.1	39.0	56.4	32.4	35.5	83	94	SSE 1	SE 1	10	10	0.028	
19	5.02	3.95	55.6	49.7	45.3	61.2	38.0	31.2	85	88	SSE 1	SE 3	10	2	0.010	
20	4.09	4.22	54.9	48.6	43.7	61.4	31.7	30.2	74	88	SE 1	SE 0.5	4	9	1.000	
21	5.82	8.08	45.2	44.4	44.3	57.5	26.4	27.8	88	95	NNW 0.5	Calm	0	7	0.087	after 9p.
22	8.12	6.88	52.3	48.0	34.4	59.1	31.0	30.2	79	91	SE 2	NE 0.5	5	3	—	
23	7.05	7.57	49.6	50.8	46.1	54.3	33.0	34.9	93	93	ENE 2	NE 0.5	10	10	0.020	
24	29.806	29.890	50.6	49.8	42.0	62.5	28.2	25.3	77	71	NNE 2	E 1	4	0	—	
25	30.016	30.129	51.5	44.1	41.6	60.0	25.2	23.7	67	81	ENE 1	Calm	0	0	—	
26	2.04	2.18	48.4	41.4	33.0	53.3	27.3	21.2	81	82	ESE 1	E 0.5	2	2	—	
27	1.91	30.144	48.5	43.2	31.5	61.5	27.0	23.8	80	85	SE 0.5	SE 0.5	10	0	—	
28	30.049	29.917	55.1	49.1	39.5	62.1	28.3	33.7	65	96	SSE 1	SE 0.5	5	2	—	
29	29.747	29.605	53.1	52.1	47.6	57.6	31.9	36.5	78	93	ESE 1	SE 0.5	10	10	0.072	
30	29.550	29.523	57.2	55.2	50.7	61.8	43.4	32.2	93	74	SSE 1	SSE 0.5	10	3	—	
Means	29.782	29.785	49.6	46.4	39.4	56.7	29.6	28.3	82.7	89.3	1.3	0.9	6.9	5.4	1.431	

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	46.0	54.5	40.5	59.7	ins.	ins.	88	86	SE 1	W 1	8	7	ins.	Beech hedges coming into leaf.
2	29.623	29.642	46.0	54.5	40.5	59.7	32.9	27.1	83	85	E 2	SW 2	8	4	0.040	Swallows come. Cuckoo heard.
3	7.47	7.93	52.5	47.0	38.5	57.7	28.3	29.8	81	93	SW 3	SW 5	5	5	0.060	Squally rough day.
4	8.57	7.78	49.0	47.0	38.5	50.7	23.5	26.3	67	79	NW 5	SW 3	3	2	—	Day rather squally.
5	8.02	9.56	49.0	48.0	41.5	56.7	30.2	33.1	70	84	W 3	SW 1	2	4	—	
6	9.85	9.29	55.0	52.3	43.5	60.7	31.8	27.5	72	86	E 3	E 5	2	5	1.120	
7	8.72	7.85	55.3	47.0	43.5	60.7	29.3	30.7	97	95	E 4	E 4	8	6	0.600	2n. and ga.; continued steadily till
8	7.54	29.835	45.5	47.3	44.5	50.7	28.2	23.1	94	87	E 5	E 4	8	8	—	Squally rough day. [6p.
9	29.912	30.018	45.0	42.0	41.5	49.7	19.9	22.5	69	85	SE 4	NE 3	7	7	—	
10	30.031	30.022	43.8	42.0	39.5	49.7	82	91	NE 3	E 4	6	8	—	—	—	
11	29.960	29.892	43.8	45.5	36.5	49.7	25.3	28.4	85	98	ENE 5	NE 4	8	10	0.445	☉ began at 4p.
12	7.80	6.53	45.0	44.3	40.5	48.7	23.6	27.7	82	91	NE 3	E 4	6	8	—	☁ began at 4p.
13	6.45	5.38	46.5	52.8	43.5	58.7	31.3	36.4	99	91	E 3	ENE 2	10	8	—	☁ 9a.
14	5.29	4.42	48.0	48.8	48.0	57.7	30.9	33.8	93	98	E 4	NE 2	8	10	0.245	☁ 9a. ☉ 2p.→7p.
15	2.88	2.38	53.0	50.0	45.5	54.0	32.2	33.4	80	93	SW 3	S 1	6	6	0.284	Occasional T
16	2.55	2.11	54.9	48.8	48.0	56.5	32.1	32.2	75	93	S 2	WSW 3	7	9	0.357	
17	4.81	3.68	53.1	48.0	44.5	58.7	27.0	33.2	67	99	W 4	S 1	5	10	0.327	
18	3.63	3.11	51.0	47.0	47.0	59.5	34.8	25.1	93	78	SW 5	S 1	10	2	0.205	[showers. Afternoon fine.
19	7.06	4.61	48.0	46.6	43.0	61.7	33.9	28.2	98	90	E 2	N 2	10	10	0.606	Rough, squally morning with ☉
20	4.65	3.41	52.0	48.7	42.8	54.0	33.0	27.0	82	79	? 1	? 1	8	10	0.337	☉ 2 K after 6p.
21	7.59	7.69	41.9	40.6	35.7	50.0	19.1	16.9	73	67	NW 2	WNW 2	9	5	—	[sp. * lying on neighbouring hills a. Δ
22	6.62	6.68	39.3	43.5	34.2	48.0	16.2	21.0	68	75	NW 4	NW 5	6	5	—	* shower 8.30a. Fine day, but sharp
23	7.84	7.26	48.2	44.0	40.0	56.0	21.4	23.4	64	81	W 2	W 1	8	2	—	[and cold.
24	5.35	4.35	47.5	45.1	38.3	54.0	27.1	27.9	84	90	E 1	SE 1	8	10	—	
25	4.28	4.94	50.5	43.3	43.2	53.5	24.7	27.3	68	98	E 3	? 1	5	10	0.103	
26	5.29	5.99	49.3	47.0	37.7	57.0	22.8	25.3	65	79	W 2	Calm 0	9	10	0.011	☉ 2 shower 4.30p. followed by Δ.
27	6.14	6.38	50.2	46.3	35.8	57.0	27.4	26.8	76	86	W 3	WSW 1	9	3	0.022	Fine day, with a few showers.
28	7.673	29.778	50.0	48.8	37.8	56.0	27.8	32.0	78	93	Calm 0	Calm 0	10	10	0.364	K 2 ☉ 2 11.30a. K 2 1p. Δ μ
29	29.889	30.025	53.0	48.5	40.8	59.5	32.2	32.9	80	97	SSE 1	ENE 2	6	10	0.055	Some T.p.
30	30.144	30.151	50.1	52.0	46.8	58.2	32.6	34.8	90	90	SE 1	? 1	10	8	—	☉ 9p.
31	30.126	30.098	55.0	51.7	41.5	60.0	28.9	32.9	67	86	W 1	SE 1	4	—	—	
31	30.058	30.049	52.0	46.4	40.9	59.7	23.8	24.0	62	77	NW 2	ESE 1	3	4	—	
Means	29.718	29.720	49.3	47.3	41.4	55.6	27.7	28.6	79.0	87.4	2.7	2.1	7.1	6.8	5.181	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	1	—	for 18 hours. D.
2	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
3	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
4	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
5	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
6	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
7	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
8	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
9	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
10	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
11	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
12	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
13	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
14	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
15	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
16	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
17	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
18	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
19	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
20	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
21	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
22	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
23	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
24	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
25	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
26	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
27	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
28	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
29	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
30	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
31	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.
Means	29.587	29.694	50.1	48.9	45.9	57.2	360	333	99	97	ESE 2	Calm 0	10	8	—	for 18 hours. D.

WAKEFIELD.

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

MAY 1878.

1	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	before 9a. Sky entirely overcast
2	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	with very dense, low, and
3	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	soft clouds, 9a.
4	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
5	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
6	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
7	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
8	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
9	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
10	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
11	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
12	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
13	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
14	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
15	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
16	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
17	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
18	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
19	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
20	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
21	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
22	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
23	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
24	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
25	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
26	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
27	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
28	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
29	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
30	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
31	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	
Means	29.624	29.698	50.7	54.4	48.4	62.6	365	399	99	94	Calm 0	Calm 0	10	10	—	

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	°	°	°	°	in.	in.	%	%	S	1	Calm	0	10	7	ins. °076	
2	29°616	29°715	55°3	53°0	47°8	64°8	°428	°400	98	99	S	1	Calm	0	1	9	—	T p.
3	°842	°932	60°3	55°2	45°6	67°8	°464	°418	89	96	S	1	Calm	0	1	9	—	∞ ga. ○ p.
4	29°975	29°978	57°8	50°2	49°7	61°4	°403	°358	84	99	WSW	2	WSW	1	7	9	°105	
5	30°016	30°105	53°2	45°9	40°8	59°1	°345	°290	85	95	WSW	2	WSW	1	9	1	—	
6	30°106	30°000	55°9	48°0	40°3	63°7	°367	°317	83	95	SW	1	SE	2	3	1	—	
7	29°839	29°679	54°5	50°9	43°7	59°5	°389	°367	92	99	ESE	4	ESE	2	3	10	°c99	Fresh wind. ○ p.
8	°680	°679	54°4	47°0	47°0	57°2	°418	°318	98	99	S	1	NE	1	10	10	°362	
9	°693	°843	45°1	43°6	43°6	49°9	°296	°268	98	94	E	3	E	4	10	10	°023	Cold wind p.
10	°924	°970	46°0	44°0	43°0	48°5	°299	°278	97	94	ESE	3	ESE	1	10	8	°004	
11	°900	°856	56°8	45°6	40°0	59°3	°366	°264	79	87	ESE	2	E	4	6	1	°045	Very fine with cold wind.
12	°675	°685	49°7	52°1	44°7	61°4	°330	°373	93	96	E	4	SW	1	10	1	°206	
13	°691	°655	61°7	53°3	46°0	68°1	°403	°360	74	88	SSE	2	SE	1	3	1	°305	Very fine and warm a. T ▲ p.
14	°547	°508	51°9	52°0	49°2	62°0	°367	°361	95	93	SSW	1	SW	3	10	4	°115	
15	°434	°465	52°9	51°2	46°0	61°3	°373	°343	93	91	S	2	SW	3	8	9	°105	T ▲ ° p.
16	°405	°481	51°9	50°5	48°7	60°6	°362	°322	94	89	SSE	4	SW	2	10	1	°120	
17	°704	°662	56°3	54°0	46°8	63°3	°360	°412	79	99	WSW	4	S	5	8	10	°427	↘ p.
18	°686	°988	54°7	53°9	49°7	64°2	°413	°362	96	87	SW	1	SW	1	9	3	°434	↘
19	°798	°803	58°0	52°5	49°9	69°4	°444	°324	92	82	SE	4	SW	3	10	3	°015	K before ga. Fresh wind p.
20	°722	°655	53°9	50°1	46°1	58°1	°335	°328	80	91	SW	6	W	5	8	3	°019	all day. ↗ 2 p.
21	°775	°814	52°8	40°9	40°9	54°3	°321	°240	80	95	WSW	2	N	1	9	9	°014	T
22	°807	°825	43°8	39°2	34°6	50°1	°245	°214	86	80	WSW	3	WSW	2	9	3	°145	T p. Fine but cold gp.
23	°887	°837	48°5	46°2	36°9	55°9	°265	°301	78	97	W	2	Calm	0	9	9	°047	
24	°509	°260	46°8	50°0	44°5	56°9	°313	°344	98	96	SE	2	SSW	1	10	4	°094	
25	°260	°402	50°0	44°2	44°2	51°4	°348	°278	97	96	WNW	1	N	2	10	9	°286	
26	°598	°708	52°9	43°7	37°9	57°2	°292	°264	73	92	NW	1	NW	1	1	2	°065	
27	°723	°745	54°3	47°8	43°7	60°2	°328	°317	77	95	SW	1	SW	1	5	4	°098	
28	°759	°805	51°9	47°1	43°1	61°9	°334	°322	86	99	S	1	SSE	1	8	5	°120	T p.
29	29°857	29°912	56°6	49°1	44°5	60°6	°360	°342	78	98	SSE	1	SSE	1	7	9	—	
30	30°018	30°173	53°6	45°8	45°8	57°4	°343	°302	83	98	NNE	3	N	1	7	4	—	Cold wind in day.
31	°165	°100	55°0	50°9	44°9	60°5	°325	°342	75	92	E	1	SE	1	3	10	°017	Very fine and warm.
31	30°040	30°022	54°4	46°5	40°5	58°8	°364	°288	89	92	E	1	NE	2	10	10	°095	
Means	29°773	29°783	53°2	48°6	44°4	59°5	°355	°323	89°1	93°9	2°2		1°7	7°5	5°8	3°441		

BUXTON.

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

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	57.5	50.7	48.3	60.4	ins.	ins.	84	89	SSE 1	SW 1	10	10	ins.	T p.
2	29.602	29.750	57.5	50.7	48.3	60.4	339	330	84	89	WNW 1	NW 1	5	4	0.020	9p.
3	29.688	30.017	52.5	45.4	44.0	55.1	352	269	89	89	NW 1	NW 2	8	0	0.050	9p.
4	30.023	30.081	49.5	46.0	42.7	51.0	318	243	91	79	NW 3	NW 1	10	2	—	9p.
5	30.060	29.957	57.0	49.7	35.5	62.1	303	295	65	83	SW 1	SE 1	5	0	—	
6	29.771	30.040	55.1	53.9	42.2	62.9	327	386	75	93	SE 3	SE 1	8	10	0.200	
7	29.697	29.702	54.4	50.4	49.8	59.9	358	353	85	96	NW 2	NW 2	10	10	0.500	
8	29.712	29.846	45.1	40.8	39.7	51.4	266	238	88	94	E 4	SE 4	10	10	0.420	9a. and p.
9	29.911	29.971	41.7	43.9	39.5	46.6	236	264	90	92	E 3	E 1	10	10	0.050	
10	29.856	29.791	50.1	47.7	42.0	59.5	206	287	58	87	SE 1	E 1	4	6	0.450	
11	29.592	29.680	49.1	50.7	44.4	60.5	318	318	91	86	E 2	SW 1	6	5	0.100	
12	29.643	29.607	60.3	57.8	45.0	64.1	358	421	69	87	SW 2	SW 1	2	9	0.100	before 9a.
13	29.489	29.484	58.8	48.9	47.5	59.2	393	321	79	93	SW 1	SW 2	8	4	0.500	p.
14	29.394	29.444	52.9	50.9	47.0	58.2	342	306	85	83	SW 1	W 2	10	10	0.200	9p.
15	29.317	29.480	51.7	49.1	47.6	59.2	306	304	80	84	S 3	SW 1	10	6	0.180	before 9a.
16	29.705	29.625	52.1	53.2	46.3	59.2	293	377	75	93	W 2	W 2	8	10	0.250	9a. and 9p.
17	29.707	29.755	54.2	53.1	49.8	62.0	343	324	81	80	W 3	SW 1	10	5	0.360	9p.
18	29.744	29.798	59.0	48.4	48.0	64.2	443	266	89	79	S 1	WSW 2	10	1	0.210	9a. and 9p.
19	29.649	29.692	53.0	48.0	44.8	54.0	295	307	73	92	W 4	W 3	6	10	0.200	9p.
20	29.797	29.873	47.8	38.8	36.2	51.0	251	222	76	95	N 2	NW 1	8	3	0.130	9p.
21	29.805	29.863	41.4	41.7	35.0	47.3	199	189	77	73	NW 3	NW 2	8	8	0.100	before 9a. 9p.
22	29.915	29.837	45.0	44.9	40.0	51.7	231	249	77	84	NW 1	NW 1	10	10	0.410	
23	29.433	29.266	48.7	40.4	41.7	58.9	251	315	73	89	S 1	W 1	10	10	0.510	
24	29.262	29.485	46.9	42.1	42.0	50.8	297	241	93	90	E 1	NE 1	10	10	0.300	
25	29.621	29.700	44.1	44.0	43.6	55.3	227	266	77	92	WNW 1	W 1	10	10	0.220	
26	29.729	29.754	50.9	44.7	44.0	55.3	297	255	80	86	W 1	W 1	8	4	0.120	
27	29.746	29.810	49.4	45.9	42.0	57.2	285	286	82	93	SW 1	W 1	8	10	0.040	
28	29.831	29.941	56.1	48.1	40.0	61.0	316	311	70	93	WSW 1	NE 1	8	10	0.450	K p.
29	30.091	30.208	48.4	42.8	41.4	55.3	297	251	89	92	E 2	NW 1	10	4	—	
30	30.164	30.113	51.3	46.9	35.0	59.2	340	293	90	92	SE 1	N 1	5	4	0.010	
31	30.029	29.981	54.9	44.9	42.5	62.1	301	253	71	85	N 1	E 2	5	10	—	
Means	29.746	29.785	51.6	47.6	43.0	57.4	307	293	79.7	88.3	1.8	1.4	8.0	6.9	6.080	

HILLINGTON, NORFOLK.

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

MAY 1878.

1	29.634	29.699	60.5	55.2	51.8	69.1	419	421	81	97	S 0.5	NE 0.5	9	9	0.005	Distant T 4.30p. < 8.15p. 2 1 mile south.
2	29.854	29.938	57.3	59.1	46.4	71.6	433	403	92	80	SE 0.5	SSE 0.5	10	10	—	9a. T 3p.-5.30p. D p.
3	29.995	29.990	59.3	48.9	48.9	63.3	403	342	80	99	SW 1	NW 1	10	10	0.390	
4	30.040	30.101	54.9	49.9	39.1	59.2	343	352	80	98	NW 1	NW 1	8	6	—	D p.
5	30.103	29.960	62.1	45.9	38.2	68.2	340	279	60	91	SE 1	SE 3	9	1	—	Wind freshening after 11p.
6	29.807	29.674	61.8	55.3	44.4	66.5	374	330	68	75	SE 5	ESE 1	5	10	0.150	
7	29.676	29.633	57.8	50.5	44.1	65.8	454	362	94	99	WNW 0.5	NE 1	10	10	0.491	at night. Warm.
8	29.622	29.769	48.4	46.5	45.8	56.3	324	295	96	94	NE 3	E 5	10	10	0.200	Blustering, chilly and gloomy.
9	29.881	29.943	45.3	43.2	43.0	51.8	295	268	98	96	E 3	ESE 1	10	1	0.035	
10	29.884	29.812	57.1	46.9	40.2	62.8	396	317	84	99	E 2	ESE 4	7	2	0.005	Very fine and sunny.
11	29.620	29.698	55.9	51.8	46.3	67.0	360	379	81	98	SE 5	S 0.5	10	2	0.105	
12	29.698	29.667	66.9	55.0	43.1	73.7	388	349	58	81	SE 2	SE 1	4	1	0.116	T to SW. 5.15p.
13	29.514	29.551	59.3	52.8	49.1	65.2	447	348	89	86	SE 0.5	SSW 2	10	2	0.083	T 5.30a. and 4.50p. 5p.
14	29.464	29.512	56.2	51.5	47.2	64.5	361	323	80	85	S 2	SW 3	10	7	0.032	6p. 9p.
15	29.463	29.530	54.8	50.8	48.2	64.3	349	340	81	91	SW 5	SW 3	10	8	0.009	Blustering 9p.
16	29.760	29.732	57.2	57.0	49.0	64.7	333	309	71	88	SW 5	S 6	9	10	0.218	9a. and p.
17	29.754	29.820	61.5	56.4	54.5	68.3	434	400	81	88	SW 7	SW 2	10	10	1.230	9a.
18	29.821	29.831	59.7	55.3	55.3	72.4	469	371	92	85	SE 4	SW 3	10	4	—	K 4a., most intense 6.15a. Distant T p.
19	29.794	29.722	55.2	52.1	45.2	67.5	419	327	97	83	SW 5	SW 5	8	8	0.016	9a. 2 4p.-5p. 6.30p. Calm 7p.
20	29.805	29.783	52.9	43.9	43.8	55.7	312	262	78	91	SW 2	NE 1	10	10	0.140	
21	29.837	29.840	47.8	41.8	37.6	52.5	236	223	71	85	WNW 3	SW 4	10	6	0.100	Distant T 0.5p. 2 K 0.20p.-0.35p. [Δ < * 1.30p.
22	29.902	29.841	49.7	47.0	39.3	56.6	261	298	74	93	NW 4	SW 0.5	9	10	0.017	
23	29.532	29.587	50.1	52.6	45.6	60.6	321	330	89	83	SE 4	SW 3	10	9	0.062	T 1.50p. Very near at 2.5p.
24	29.268	29.367	54.9	47.6	47.6	61.5	335	281	78	86	SW 3	NE 3	10	10	0.010	T (NE.) 5p.
25	29.607	29.703	53.0	48.4	43.1	58.2	269	272	67	81	NW 3	SW 1	4	8	0.123	
26	29.751	29.764	56.2	49.4	45.6	61.5	328	331	73	94	NW 4	NW 0.5	6	4	0.027	T (SE.) 5p. 2 6p.-6.10p.
27	29.794	29.810	55.3	48.6	46.8	63.0	322	327	73	96	W 4	SE 0.5	7	4	0.088	
28	29.844	29.855	61.1	51.1	43.4	63.4	378	329	71	87	SE 1	NE 4	6	10	0.030	Clouds increasing 10a. 11p.
29	29.960	30.132	50.9	47.8	47.6	55.6	334	301	90	91	NE 5	NE 3	8	7	—	2 3a.
30	30.154	30.101	50.7	48.1	46.5	64.5	269	304	66	91	NE 2	NE 2	9	3	—	Fine and sunny with cold wind.
31	30.050	29.965	54.6	49.3	45.4	65.6	327	342	77	96	SW 1	ESE 3	9	10	0.270	Wind E.-NE. at 6p.
Means	29.771	29.782	55.9	50.3	45.5	63.3	356	330	79.7	89.9	2.9	2.2	8.6	6.8	3.952	

UPPINGHAM.

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

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	58.8	54.1	50.3	63.7	ins.	ins.	78	93	S 1	Calm 0	10	2	ins.	T 3p. < in evening.
2	29.594	29.697	58.8	54.1	50.3	63.7	389	393	85	88	SW 1	Calm 0	10	8	—	
3	29.836	29.948	61.1	55.1	48.3	67.5	460	382	85	88	WbyS 2	WbyN 1	10	0	0.385	on horizon 9p.
4	29.984	29.998	57.0	47.6	46.9	58.5	402	315	86	96	WbyN 3	Calm 0	9	1	—	
5	30.048	30.108	53.8	49.9	40.0	59.4	317	287	76	81	SSE 1	S by E 1	9	1	—	early a.
6	30.089	29.967	58.0	50.2	41.8	69.5	340	259	71	72	ESE 3	S 1	6	10	0.296	
7	29.761	29.638	58.0	56.6	42.7	71.3	357	411	74	89	WSW 1	Calm 0	10	10	1.353	● began at 5p.
8	29.683	29.651	56.0	53.8	53.0	63.0	405	409	90	99	NE 1	NE by E 3	10	10	0.820	6a. Scotch 7.20a. Rainfall [5p. 7th-5p. 8th = 1.98 ins.
9	29.618	29.768	48.0	44.5	43.7	53.8	330	281	99	96	E by S 1	E ? 1	10	10	—	6a. Scotch 9a.-10a. Day [dull and gloomy.
10	29.867	29.929	46.1	49.1	43.6	57.0	310	324	99	93	E by N 2	E 2	7	4	0.023	from E. 2p.-5p. Watery moon. 9p.
11	29.852	29.788	56.0	50.0	39.8	65.1	373	309	83	86	ESE 2	swbys 4	10	6	0.058	[evening.
12	29.672	29.634	62.1	54.0	48.2	69.0	379	355	69	85	SSW 1	Calm 0	1	4	0.139	2 long showers all day, especially in [with 2. Bar. 29.342 at 2.45p.
13	29.527	29.519	53.9	50.1	49.1	60.8	367	328	88	91	S 5	SW 2	10	1	0.237	Soon after 10a. (force 9) from S. by W.
14	29.437	29.492	54.1	49.1	47.1	61.7	338	321	80	92	swbys 4	swbys 4	8	4	0.110	Rough wind at 9p.
15	29.393	29.511	51.5	50.6	47.9	58.9	367	341	96	93	S 5	swbys 2	10	9	0.079	(gale) a. from WSW driving heavy [stratus before it.
16	29.742	29.673	55.1	54.9	45.8	61.9	343	403	79	94	swbysw3	S 7	7	10	0.246	K 3.45a.-4.30a. (fresh gale) all day.
17	29.732	29.993	56.8	57.0	52.9	65.4	432	405	94	87	WbyS 5	S 3	6	7	0.287	Rough n. (force 9-10) all [day. Bar. 29.671 at 4.30p.
18	29.778	29.831	62.3	52.9	52.5	69.4	477	296	85	74	S by E 2	WSW 5	10	3	0.019	Bar. had risen and was falling a. K [0.45p. from NW. Squally
19	29.762	29.744	54.2	50.6	47.4	59.2	301	321	72	87	WSW 7	WSW 5	8	7	0.041	Scotch 7th 9a. Wind rising late p.
20	29.811	29.822	49.1	42.0	41.8	50.6	314	260	90	98	W by N 1	N 1	10	5	0.379	K 0.45p.-4p. Warm a., cold p.
21	29.855	29.881	45.9	40.8	34.6	51.1	228	212	74	84	WbyN 4	WNW 1	10	3	0.042	(force 5) 10a. T 0. 2. K 6p. (
22	29.924	29.851	47.3	47.4	38.3	56.2	242	270	75	83	NW 3	Calm 0	10	10	0.130	T 1.45p.-2.30p. 4p.-5p. Temp. [variable 9p.
23	29.472	29.201	47.7	51.3	42.7	60.0	234	342	98	90	S by E 2	swbys 3	10	9	—	Rough and squally all day.
24	29.264	29.405	54.2	45.7	45.2	61.5	315	290	75	95	W by S 1	N 2	9	10	0.060	Heavy clouds all day. One clap of T [2 in S. 6p.
25	29.605	29.719	53.2	45.5	38.4	56.1	279	270	69	89	NW 2	WbyN 1	5	8	0.249	
26	29.745	29.762	55.9	48.2	43.0	58.5	317	295	70	89	WbyN 1	WbyS 1	7	10	0.102	
27	29.760	29.796	54.1	48.9	43.6	58.8	305	302	73	88	SW 2	SbyW 1	9	6	0.028	
28	29.820	29.872	58.0	50.2	42.2	65.0	342	298	71	83	SE by E 1	NE 1	9	10	—	
29	29.991	30.103	50.1	49.0	45.7	61.1	303	300	84	87	NNE 5	NE by N 1	10	10	—	
30	30.175	30.102	50.0	50.1	43.8	64.9	282	301	79	83	NE by E 1	Calm 0	10	10	—	
31	30.036	29.972	56.2	49.1	45.2	66.8	383	339	85	97	SE 1	NE 1	7	10	0.060	
Means	29.756	29.781	54.1	50.1	44.9	61.6	344	321	81.9	88.4	2.4	1.7	8.6	6.7	5.148	∞ 2 a. Bright, noon-3p. Dark nim- [bus with 2 3p.-5p. Gloomy.

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	57.9	53.4	52.1	64.5	ins.	ins.	79	90	N	2	SE	1	7	—
2	29.762	29.767	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
3	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
4	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
5	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
6	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
7	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
8	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
9	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
10	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
11	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
12	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
13	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
14	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
15	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
16	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
17	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
18	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
19	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
20	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
21	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
22	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
23	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
24	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
25	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
26	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
27	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
28	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
29	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
30	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
31	29.760	29.765	57.8	53.5	49.2	62.5	393	346	82	84	E	1	SW	1	3	—
Means	29.766	29.804	53.5	50.8	45.9	59.3	323	305	78.5	81.9	3.0	1.4	6.0	6.2	2.154	

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29.585	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
2	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
3	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
4	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
5	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
6	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
7	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
8	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
9	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
10	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
11	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
12	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
13	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
14	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
15	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
16	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
17	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
18	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
19	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
20	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
21	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
22	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
23	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
24	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
25	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
26	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
27	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
28	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
29	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
30	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
31	29.709	29.709	55.6	56.6	52.6	64.6	399	386	90	84	Calm	0	Calm	0	7	—
Means	29.746	29.773	54.3	51.5	45.9	61.0	337	327	80.0	85.5	1.1	0.8	8.2	6.6	4.782	

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	61.3	55.6	54.1	66.7	ins.	ins.	%	%	S	1	Calm	0	7	3	ins. ^{0.020}
2	29.609	29.686	61.3	55.6	54.1	66.7	430	418	79	95	S	0	Calm	0	7	3	T in distance. \angle^2 at night.
3	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	Calm	0	SW	1	4	10	early.
4	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	T op.
5	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	Clear at times; very heavy clouds.
6	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
7	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
8	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
9	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
10	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
11	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
12	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
13	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
14	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
15	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
16	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
17	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
18	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
19	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
20	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
21	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
22	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
23	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
24	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
25	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
26	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
27	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
28	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
29	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
30	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
31	29.686	29.686	61.3	55.6	54.1	66.7	430	418	79	80	SW	1	SW	1	4	10	
Means	29.768	29.784	56.6	51.3	46.3	62.8	362	338	78.9	88.6	2.3	1.7	7.6	6.5	3.580		

MARLBOROUGH.

Height above Mean Sea Level, 471 feet. Long. $1^{\circ} 43' W.$ Lat. $51^{\circ} 25' N.$

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	53°8	52°5	51°9	64°9	in.	in.	%	%	S	1	Calm	0	9	0	ins.
2	29°612	29°730	53°8	52°5	51°9	64°9	in.	in.	%	%	S	1	Calm	0	9	0	☼ before 9a. ☼ 9a. ☼ 6p.
3	29°905	30°000	52°9	53°2	47°3	64°0	389	379	98	94	W	1	Calm	0	10	10	☼ 10
4	30°033	30°053	55°8	49°8	49°8	63°2	389	348	87	97	SW	1	W	2	10	4	☼ p.
5	30°124	30°149	53°8	46°9	46°9	61°7	317	289	76	91	W	1	Calm	0	8	0	☼ p.
6	30°078	29°911	58°8	52°0	44°0	66°7	357	285	72	74	E	1	E	2	1	0	—
7	29°694	638	55°1	54°6	45°3	59°5	361	418	83	98	E	1	SE	1	10	10	114
8	721	685	56°9	52°9	49°8	65°2	373	365	81	91	Calm	0	Calm	0	9	10	☼ 78
9	671	755	52°9	46°3	46°3	58°3	370	297	93	95	Calm	0	Calm	0	10	3	—
10	828	891	54°7	53°3	42°7	64°6	348	317	82	77	E	1	E	1	6	8	☼ before 9a. ☼ (reported) 7p.-8p.
11	809	686	55°6	57°0	46°4	69°8	378	437	85	94	E	1	S	1	6	10	884
12	544	688	56°1	53°6	53°0	64°7	428	377	95	92	S	3	E	1	10	8	☼ 49
13	674	604	59°8	57°7	51°3	67°9	393	343	76	72	SW	1	SE	1	8	9	☼ 2 till 2a.
14	548	569	57°0	50°7	50°4	59°6	364	349	78	93	SW	2	SW	1	9	10	170
15	479	557	53°6	51°2	49°0	61°0	356	343	86	91	SW	1	SW	2	9	9	310
16	427	507	53°8	51°2	49°9	58°6	361	351	86	93	SW	2	S	1	10	10	☼ 005
17	804	29°753	57°6	55°5	48°6	60°0	361	428	76	98	S	1	SW	3	7	10	☼ 569
18	858	29°858	57°7	57°0	55°1	65°7	443	441	93	94	SW	2	SW	1	10	10	☼ 78
19	808	29°921	64°8	51°0	51°0	69°6	479	339	79	91	S	1	SW	1	3	0	☼ 59
20	877	921	55°6	51°1	48°0	61°1	311	329	71	87	SW	2	SW	3	8	10	185
21	890	777	51°0	45°1	45°1	57°0	319	268	85	89	SW	2	Calm	0	9	10	120
22	959	972	51°7	44°8	36°4	54°9	247	260	65	88	SW	2	SW	1	8	2	113
23	979	881	53°7	49°0	41°1	59°7	263	290	65	84	SW	1	W	1	9	8	533
24	446	387	52°6	51°7	44°8	60°6	382	304	96	80	SW	1	SW	1	9	10	☼ 18
25	312	428	54°7	48°8	48°6	60°6	301	317	70	92	SW	1	W	1	9	7	150
26	678	793	52°7	46°7	42°2	58°8	294	270	74	85	SW	1	SW	1	8	8	☼ 090
27	825	831	48°7	48°7	46°7	61°7	311	321	91	94	SW	1	Calm	0	10	10	150
28	796	813	51°2	49°7	44°5	59°0	335	318	89	89	S	1	Calm	0	9	1	☼ 050
29	826	29°875	54°5	50°7	41°5	62°6	335	360	79	97	NE	1	N	1	9	10	398
30	29°992	30°145	50°3	50°0	47°4	56°0	342	334	94	90	E	1	E	1	10	4	—
31	30°179	30°114	47°7	50°7	45°1	59°5	280	327	85	88	E	1	Calm	0	10	4	—
31	30°050	29°956	57°2	53°7	32°3	66°1	335	360	71	87	E	1	Calm	0	6	4	—
Means	29°788	29°813	54°6	51°2	46°3	62°0	352	340	82°5	89°7	1°2		0°9	8°4	6°7	4°259	

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. $1^{\circ} 0' W.$ Lat. $51^{\circ} 20' N.$

MAY 1878.

1	29° 6'17	29° 7'15	57° 5	55° 1	49° 3	66° 8	399	386	84	96	SW	1	SW	1	10	7	—	☀ 5.30p.	
2	29° 8'92	30° 0'05	55° 8	53° 9	42° 5	67° 8	415	381	93	92	Calm	0	SW	1	10	4	—	☁ 9a. Warm and close 3p. Threatening for change 2	
3	30° 0'37	30° 0'45	53° 5	53° 6	53° 0	62° 5	375	374	92	91	SW	2	SW	2	10	10	—		
4	30° 1'08	30° 1'39	56° 8	47° 1	38° 1	63° 2	319	304	69	94	SW	2	Calm	0	3	0	—	Very fine. ☀ p.	
5	30° 0'76	29° 0'42	63° 0	51° 0	36° 4	68° 5	366	275	64	74	SE	1	E	1	4	0	—	Very fine, wind chilly 3p.	
6	29° 7'11	30° 0'32	58° 7	55° 7	44° 3	62° 5	391	416	80	94	SE	2	S	2	10	10	107	☀ 3p. ☀ later.	
7	30° 1'14	30° 0'56	50° 0	58° 1	51° 1	70° 7	379	419	76	86	SW	2	Calm	0	4	10	098	Fine and hot 3p.	
8	30° 0'56	30° 1'38	53° 8	46° 5	46° 3	58° 8	377	312	91	99	W	1	SW	1	10	2	—	☁ 9p.	
9	30° 1'36	30° 1'58	56° 0	53° 8	40° 4	67° 8	364	371	81	89	Calm	0	S	1	6	7	—	☁ 9a. Hot at 3p. ☀ 9p.	
10	30° 1'13	30° 1'18	62° 6	57° 4	45° 0	72° 2	447	459	79	97	S	1	Calm	0	3	10	432	☀ and hot 3p. ☀ 8.30p.	
11	30° 1'51	30° 1'40	57° 5	54° 9	54° 7	66° 12	446	393	96	92	S	1	SW	1	10	0	—	☀ before 9a. Fine, close, cloudy, 3p.	
12	30° 1'58	30° 1'48	61° 8	64° 0	50° 0	46° 3	70° 3	421	375	69	84	SW	2	SW	1	2	8	063	Fine, hot, breezy. ☀ 8.40p.
13	30° 1'54	30° 1'57	58° 7	56° 4	51° 3	62° 3	340	331	75	88	S	2-3	S	2	8	0	200	☀ 9a.	
14	30° 1'46	30° 1'57	55° 5	52° 0	52° 0	61° 2	343	348	78	90	SW	2	SW	2	9	1	112	☀ a. and 3p. with squalls.	
15	30° 1'47	30° 1'53	56° 9	52° 4	50° 6	61° 5	378	361	82	91	SW	3-4	S	1	9	10	—	Stormy. ☀ (gale), 9a.	
16	30° 1'49	30° 1'52	59° 6	55° 9	48° 7	61° 1	394	444	77	100	SW	2	W	3	10	10	266	☀ in squalls (½ gale) all day.	
17	30° 1'57	30° 1'51	59° 6	57° 1	55° 4	66° 7	459	446	90	95	W	3-4	Calm	0	10	10	077	☀ in squalls a.	
18	30° 1'52	30° 1'53	64° 7	51° 6	52° 3	71° 6	491	356	81	93	S	2	SW	2	4	0	—	☀ 2.15a.-3.30a. Rough ☀.	
19	30° 1'58	30° 1'55	57° 5	51° 7	47° 4	61° 9	366	339	78	88	W	3	SW	3	3	7	046	Rough and stormy. ☀ in squalls.	
20	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017	Rough, stormy.	
21	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144	Stormy ☀.	
22	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
23	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
24	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
25	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
26	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2	SW	1	10	3	210		
27	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
28	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
29	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
30	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
31	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
32	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
33	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
34	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
35	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
36	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
37	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
38	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
39	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
40	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
41	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
42	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
43	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
44	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
45	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
46	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
47	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
48	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
49	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
50	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
51	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
52	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
53	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
54	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
55	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
56	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
57	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
58	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
59	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
60	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
61	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
62	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
63	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
64	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
65	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
66	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
67	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
68	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
69	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
70	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
71	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61° 6	389	319	96	82	SW	1	SW	2	10	9	—	Rough ☀ p.	
72	30° 1'52	30° 1'53	58° 5	50° 0	49° 0	61° 0	331	348	68	97	W	2	W	2	5	10	212	☀ 3.5p. ☀ later.	
73	30° 1'58	30° 1'57	53° 7	46° 2	44° 3	57° 8	315	262	76	85	W	1	W	1	8	0	120	☀ 3p. ☀ 2 later.	
74	30° 1'56	30° 1'52	51° 8	45° 8	45° 5	57° 7	340	304	88	98	SW	2-3	W	2	10	9	017		
75	30° 1'53	30° 1'58	51° 3	45° 1	36° 9	57° 9	272	274	72	91	NW	2	SW	2	4	4	144		
76	30° 1'57	30° 1'57	50° 5	49° 2	40° 9	58° 5	285	317	78	91	SW	1	SW	1	10	10	214		
77	30° 1'53	30° 1'58	53° 1	52° 0	45° 3	61°													

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. $1^{\circ} 25' E.$ Lat. $51^{\circ} 20' N.$

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.			
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.		
1	29° 603	29° 739	53° 2	54° 7	49° 8	61° 6	369	377	91	88	Calm	o	SW	1	10	10	ins. °025
2	29° 900	30° 017	58° 2	51° 0	49° 6	59° 2	394	369	81	99	SW	1	SW	2	4	5	—
3	30° 003	30° 048	53° 4	51° 1	50° 2	63° 8	361	316	88	84	Calm	o	SW	3	10	3	—
4	30° 102	30° 150	57° 7	56° 3	49° 2	65° 0	309	309	65	68	W	1	Calm	o	3	10	—
5	30° 109	29° 960	58° 0	50° 9	46° 1	60° 9	374	302	78	82	E	1	NE	5	3	0	—
6	29° 768	29° 692	56° 0	58° 2	50° 1	61° 0	355	306	79	81	NE	4	NE	2	6	9	°084
7	29° 694	29° 601	56° 1	56° 3	55° 5	62° 2	464	453	89	99	W	2	SW	1	10	10	°045
8	29° 616	29° 766	54° 3	51° 8	51° 4	57° 7	386	340	92	88	W	5	SW	1	10	6	°015
9	29° 885	29° 926	53° 8	52° 1	42° 9	59° 7	333	358	80	91	SE	2	NE	3	6	10	—
10	29° 857	29° 788	55° 1	54° 9	48° 7	58° 5	307	366	84	86	E	4	NE	4	3	8	°530
11	29° 642	29° 779	56° 3	53° 1	51° 9	66° 6	384	370	84	91	E	1	Calm	o	9	3	°025
12	29° 727	29° 683	62° 4	55° 0	50° 6	64° 6	365	364	65	84	N	1	NE	1	2	3	°106
13	29° 633	29° 667	56° 3	53° 2	53° 0	62° 1	375	361	83	89	SW	2	SW	4	10	5	°020
14	29° 530	29° 675	51° 5	52° 2	51° 1	62° 2	352	356	93	91	S	3	S	6	10	1	°090
15	29° 601	29° 607	53° 1	52° 7	51° 4	60° 2	355	362	87	91	SW	6	SW	4	10	10	°055
16	29° 897	29° 906	57° 1	55° 9	49° 9	59° 4	362	412	77	92	SW	5	SW	7	9	10	°033
17	29° 956	29° 123	60° 8	55° 0	54° 0	65° 2	445	410	80	94	SW	8	Calm	o	10	10	°016
18	29° 939	29° 990	63° 7	52° 7	52° 6	66° 5	457	329	78	83	SW	4	SW	4	10	2	°215
19	29° 925	29° 926	59° 4	52° 9	50° 5	60° 7	338	310	67	80	SW	6	SW	7	5	3	—
20	29° 921	29° 944	54° 0	47° 8	47° 4	57° 7	330	316	78	95	SW	6	SW	2	10	10	°160
21	29° 941	29° 936	49° 0	45° 0	42° 1	55° 4	231	284	66	94	SW	6	SW	1	5	7	°160
22	29° 979	29° 932	52° 9	50° 9	40° 5	57° 4	251	323	64	87	W	1	SW	3	1	9	°460
23	29° 584	29° 585	51° 7	50° 5	45° 6	55° 3	313	352	82	96	S	6	SW	6	10	5	°015
24	29° 344	29° 347	55° 1	52° 2	50° 1	59° 4	355	351	81	90	SW	2	SW	4	10	10	°031
25	29° 650	29° 770	52° 1	48° 5	46° 1	59° 3	284	308	73	91	NW	2	W	1	4	4	°122
26	29° 821	29° 860	58° 1	50° 9	42° 6	59° 2	336	343	69	93	SW	2	SW	2	6	1	°270
27	29° 873	29° 858	51° 5	53° 2	45° 9	60° 3	338	364	80	90	S	2	S	1	5	5	°518
28	29° 831	29° 779	58° 0	52° 0	49° 1	63° 0	399	361	82	93	Calm	o	NE	2	10	10	°034
29	29° 872	29° 122	55° 6	51° 0	50° 9	59° 4	409	338	93	90	NW	6	N	4	10	10	—
30	30° 051	30° 119	52° 3	48° 4	48° 0	56° 4	375	281	80	83	E	4	NE	2	10	2	—
31	30° 054	29° 981	57° 2	51° 6	47° 8	60° 2	378	339	81	88	E	2	NE	3	6	2	°025
Means	29° 823	29° 840	55° 7	52° 4	48° 9	60° 6	357	349	80° 0	88° 7	3° 1		2° 8	7° 3	6° 2	3° 954	

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. $1^{\circ} 24' W.$ Lat. $50^{\circ} 55' N.$

MAY 1878.

	9.30 a.	9.30 p.	9.30 a.	9.30 p.	Min.	Max.	9.30 a.	9.30 p.	9.30 a.	9.30 p.	9.30 a.m.	9.30 p.m.	9.30 a.	9.30 p.	9.30 a.	9.30 p.	
1	29° 6'16	29° 7'31	29° 8'1	29° 6'16	58° 1	61° 1	392	356	81	90	S	SE	0° 5	10	0	—	Mild growing weather.
2	29° 9'16	30° 0'14	30° 1'4	29° 9'16	58° 4	61° 9	382	379	91	89	NW	1	SW	1	10	10	—
3	30° 0'57	30° 1'54	30° 2'8	30° 0'57	58° 5	61° 4	372	352	83	87	SW	2	W	1	10	10	°10
4	30° 1'29	30° 1'36	30° 1'5	30° 1'29	58° 5	61° 1	259	283	59	75	NW	3	NW	0° 5	8	0	—
5	30° 0'54	30° 1'01	30° 1'0	30° 0'54	58° 0	61° 0	353	284	67	68	S	1	SE	1	6	0	—
6	29° 6'91	29° 6'32	29° 6'7	29° 6'91	54° 7	49° 8	367	411	78	96	SE	3	SE	0° 1	10	10	°214
7	29° 7'21	29° 7'7	29° 7'5	29° 7'21	55° 1	50° 9	353	343	74	79	NW	0° 5	SW	0° 5	9	10	°031
8	29° 6'67	29° 7'39	29° 6'7	29° 6'67	48° 9	40° 1	348	299	76	87	NW	1	Calm	0	10	0	°030
9	29° 8'15	29° 8'63	29° 8'2	29° 8'15	52° 2	42° 8	302	327	64	84	SE	1	Calm	0	5	1	°018
10	29° 7'82	29° 6'50	29° 6'4	29° 7'82	47° 5	64° 3	402	374	67	72	SE	2	SE	5	3	10	°283
11	29° 5'98	29° 6'94	29° 6'7	29° 5'98	53° 6	67° 6	379	361	80	88	SW	4	SE	1	9	0	°013
12	29° 6'96	29° 5'98	29° 6'8	29° 6'96	56° 2	64° 6	361	332	61	73	SE	2	SE	2	3	1	°155
13	29° 5'92	29° 5'92	29° 5'6	29° 5'92	54° 0	68° 0	344	371	76	89	SW	3	SW	2	9	10	°470
14	29° 5'10	29° 6'06	29° 5'9	29° 5'10	53° 9	59° 4	332	356	74	86	SW	2	SW	5	10	10	°136
15	29° 4'71	29° 6'03	29° 5'8	29° 4'71	52° 8	51° 9	366	355	75	88	SW	7	SW	1	7	10	°014
16	29° 8'55	29° 8'15	29° 8'5	29° 8'55	56° 2	51° 6	366	353	79	96	SW	3	S	8	9	10	°616
17	29° 9'46	29° 9'06	29° 9'7	29° 9'46	57° 0	54° 9	348	434	92	93	SW	7	SW	0° 5	10	10	°217
18	29° 8'47	29° 9'53	29° 8'7	29° 8'47	55° 5	65° 1	437	349	72	85	SW	1	SW	4	1	3	°078
19	29° 9'31	29° 9'62	29° 9'6	29° 9'31	53° 3	50° 4	358	299	64	76	SW	7	SW	6	10	10	—
20	29° 9'16	29° 8'72	29° 8'7	29° 9'16	45° 2	50° 6	385	274	66	87	SW	4	NW	0° 5	10	1	°283
21	29° 9'88	29° 9'27	29° 9'8	29° 9'88	40° 3	55° 2	246	244	71	74	NW	2	W	1	9	1	°057
22	30° 0'04	29° 8'73	29° 8'9	30° 0'04	51° 0	44° 7	270	304	55	81	W	3	SW	1	9	10	°182
23	29° 4'76	29° 4'16	29° 4'5	29° 4'76	55° 0	52° 6	389	372	46	81	SW	4	SW	3	10	10	—
24	29° 3'45	29° 4'26	29° 4'7	29° 3'45	58° 7	50° 8	398	338	58	92	SW	3	NW	2	9	10	°144
25	29° 7'01	29° 8'08	29° 7'2	29° 7'01	49° 8	47° 0	359	275	59	77	NW	1	SW	1	8	1	°043
26	29° 8'23	29° 8'44	29° 8'9	29° 8'23	49° 0	50° 4	317	300	66	87	SW	1	SW	0° 1	9	1	°558
27	29° 8'11	29° 8'12	29° 8'2	29° 8'11	48° 5	58° 3	308	338	71	86	SW	3	S	0° 5	9	2	—
28	29° 8'06	29° 8'43	29° 8'8	29° 8'06	51° 3	47° 1	357	339	70	90	N	1	N	1	9	10	°465
29	29° 9'50	29° 1'14	29° 9'9	29° 9'50	51° 5	48° 5	334	300	90	79	N	3	NE	3	10	9	°078
30	30° 1'50	30° 0'91	30° 1'2	30° 1'50	50° 3	46° 3	371	295	75	81	E	1	NE	0° 5	10	10	—
31	30° 0'26	29° 0'49	29° 0'8	30° 0'26	52° 8	43° 7	301	345	60	86	NE	1	SW	0° 1	5	0	—
Means	29° 8'03	29° 8'15	29° 8'9	29° 8'03	49° 0	61° 3	337	334	72° 5	83° 9	2° 5	1° 7	8° 3	5° 8	4° 395		

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	54.8	55.5	49.8	62.2	ins.	ins.	89	90	E	1	NE	0-1	10	5	ins. T 1.48p.	
2	29.662	29.707	54.8	55.5	49.8	62.2	381	373	89	90	SSW	1	NE	0-1	1	0	0.010	∞ D ² ga. Drifting sea off and on till late in aft., then fine. D ² ga.
3	29.747	30.006	56.8	56.6	48.8	58.9	397	351	86	95	SSW	1	W	0-1	1	0	—	Very fine. Evening obs. at 9.30p.
4	30.064	30.062	51.5	50.4	47.4	57.8	362	330	95	90	SSW	2	SW	0-1	10	0	—	Very fine.
5	30.093	29.924	56.9	52.0	47.0	63.9	302	294	65	76	E	3	NE	6	0	0	—	A gloomy overcast day. T ² D ² p.
6	29.747	30.061	57.7	58.7	50.3	60.5	361	395	76	79	E	4	ESE	0-1	10	10	0.020	Overcast heavy day. T ² D ² sp.
7	29.691	30.065	59.9	53.0	52.5	64.9	378	383	73	95	WNW	3	NNW	0-1	2	10	0.305	Fine. Roar of sea distinct p.
8	29.647	30.052	53.2	46.7	46.2	55.6	378	281	93	89	S	2	S	0-1	10	0	—	U at night.
9	29.840	30.066	56.0	53.1	43.3	61.6	348	349	77	86	SE	1	NE	4	7	9	0.080	Fine till evg. Then heavy clouds from SW. 6.45p. < 2 with T in distance W and SW. 9p.
10	29.835	30.075	58.4	59.5	51.3	67.7	372	390	76	77	E	2	NE	3	0	10	0.310	∞ D ² a. Wind changed to WSW by 10a. Very fine afterwards.
11	29.620	30.073	55.5	54.1	52.4	61.8	397	367	90	87	SE	2	SE	1	10	9	0.015	Very fine till 7p., then ∞ D ² T.
12	29.728	30.063	60.1	56.2	52.1	67.5	376	380	73	84	S	0-1	E	0-1	0	3	0.390	∞ about 4a., then fine.
13	29.617	30.043	55.0	52.2	51.4	60.0	378	358	88	92	SW	4	SW	2	5	0	0.070	Fine day.
14	29.531	30.055	53.3	52.7	50.5	57.0	367	351	90	88	SW	1	SW	5	10	2	0.120	Fine till about 8p., then ∞.
15	29.588	30.039	52.8	52.8	50.8	58.6	350	372	87	93	SSW	7	SSW	2	10	10	0.130	Bar. falling, 2p. ∞ from 3p.
16	29.804	30.097	53.8	54.3	50.8	59.2	363	399	87	95	SW	5	SSW	7	9	10	0.170	(near) with ∞ at midnight.
17	29.978	30.093	55.7	56.4	54.0	59.3	393	431	88	95	SSW	6-7	S	0-1	10	10	0.310	from about 7a.—10a.
18	29.909	30.071	58.2	52.6	52.2	62.2	445	375	91	95	W	1	SW	5	10	8	0.030	from SW—WSW all day (force 9 to 10 at times p.).
19	29.957	30.052	54.6	52.8	51.4	57.0	347	325	81	81	WSW	7-8	SW-WSW	9	10	—	—	Great visibility 9a. ∞ at 5.15p. [Roar of sea distinct.]
20	29.936	30.026	52.8	47.1	46.7	56.2	311	302	77	93	SW	6-7	W	2	10	8	0.100	Waterspout seen by several over the sea at 10a.
21	29.959	30.063	49.8	44.6	39.6	52.8	224	267	63	91	WNW	3	W	2	3	4	0.290	Gloomy day.
22	29.983	30.030	54.3	51.0	41.0	56.0	272	294	65	79	W	3	SSW	2	5	9	0.120	One peal of T to northward at 1.30p.
23	29.581	30.046	49.6	52.4	48.4	54.4	341	335	96	85	S-SSW	4	WSW	7	10	10	0.040	Fine, windy at times.
24	29.367	30.070	52.1	52.0	51.2	56.7	357	335	91	86	SSW	4	WSW	6-7	10	10	0.045	Fine.
25	29.660	30.032	48.8	46.0	38.0	58.0	244	295	63	88	N	2	NW	0-1	4	1	0.130	Bar. at night read at 9.30p.
26	29.831	30.068	55.6	51.2	44.0	57.0	375	328	84	87	SW	5	W	5	9	1	—	before 9a.
27	29.859	30.081	56.0	52.7	50.2	60.2	365	347	81	88	SW	3	SSW	1	10	9	—	Fine.
28	29.817	30.078	57.5	51.8	49.0	61.5	367	364	78	94	ESE	2	NNE	2	10	10	0.920	Bar. at night read at 9.30p.
29	29.844	30.066	52.7	52.3	47.8	61.9	373	330	94	83	NNE	6	NNE	6	10	1	—	before 9a.
30	30.122	30.105	52.5	47.9	47.4	55.3	304	277	77	84	NE	4	ENE	2	10	5	—	Fine.
31	30.039	30.060	55.8	51.0	41.9	61.0	314	333	70	89	E	4	NE	4	9	0	—	
Means	29.819	30.083	54.9	52.1	48.5	59.6	349	344	80.8	87.8	3.3	2.9	7.2	5.6	3.635			

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	29.578	29.780	53.0	47.4	46.0	57.6	403	318	100	97	E	1	10	2	0.320	before 9a.
2	29.952	30.027	48.4	48.8	43.8	53.0	329	345	97	100	NW	3	10	10	0.380	a. and p.
3	29.997	30.085	48.4	43.0	42.0	50.4	340	268	100	97	NW	2	10	0	0.430	before 9a.
4	30.138	30.155	47.6	42.0	41.6	53.8	290	240	89	91	NW	4	10	0	—	
5	29.997	29.856	55.0	46.4	39.0	57.0	325	283	75	90	E	4	10	5	0.130	
6	29.576	29.591	48.2	48.0	45.5	51.4	338	335	100	100	SE	3	10	10	0.720	
7	29.745	29.756	51.0	44.8	43.0	57.0	271	225	73	75	NW	3	10	5	—	
8	29.686	29.742	50.4	44.0	43.4	59.0	218	252	60	87	NW	4	10	5	—	
9	29.749	29.869	51.6	46.4	40.0	56.0	311	283	81	90	SE	4	10	10	—	
10	29.704	29.885	51.8	50.6	44.0	55.8	364	369	94	100	E	6	10	10	0.400	
11	29.527	29.598	50.0	50.0	47.5	55.8	361	319	100	89	SW	6	10	10	—	
12	29.607	29.522	50.6	50.4	48.5	57.0	353	324	96	89	SSW	5	10	10	0.590	
13	29.504	29.513	47.4	48.4	44.2	51.6	319	340	97	100	SW	5	10	10	0.300	
14	29.428	29.420	47.8	45.5	41.0	51.0	334	297	96	90	S	5	10	10	0.620	
15	29.279	29.607	47.4	47.4	45.0	51.4	328	328	100	100	SW	7	10	10	0.520	
16	29.767	29.713	49.0	51.2	46.0	51.2	331	377	96	100	SW	5	10	10	0.2170	
17	29.606	29.603	54.0	50.0	54.5	56.0	369	418	100	100	W	8	10	10	0.420	
18	29.848	29.912	53.4	48.4	47.5	56.3	351	295	89	87	W	4	10	10	0.150	
19	29.912	30.035	49.6	46.0	45.0	50.4	315	277	89	90	WSW	6	10	10	0.060	
20	29.940	29.962	45.8	41.6	41.0	46.4	285	240	93	92	WSW	4	10	5	0.400	
21	30.046	30.041	44.8	43.4	35.8	48.6	265	259	89	92	NW	5	10	9	0.080	
22	30.025	29.853	46.4	44.2	40.5	51.4	268	267	86	92	W	3	10	10	0.540	
23	29.421	29.436	48.4	45.6	43.0	50.4	340	275	100	92	SW	4	10	10	0.090	
24	29.334	29.414	45.0	44.4	43.4	47.4	299	269	100	92	W	4	10	10	0.150	
25	29.740	29.835	46.4	45.4	41.5	51.4	235	295	76	97	NW	4	10	10	0.210	
26	29.842	29.838	46.4	44.4	44.0	51.0	292	293	93	100	SW	4	10	10	0.260	
27	29.748	29.772	48.0	44.8	43.2	49.4	281	275	85	92	SSW	4	10	1	0.070	
28	29.753	29.875	53.2	48.0	40.8	56.6	321	286	79	86	E	4	10	2	0.200	
29	30.019	30.132	52.8	49.0	43.0	53.4	311	331	77	96	NE	4	10	10	0.120	
30	30.123	30.105	50.4	42.0	42.0	55.0	315	254	86	95	E	3	10	0	—	
31	29.996	29.988	53.0	48.4	39.8	60.8	299	305	74	90	E	5	10	4	—	
Means	29.771	29.809	49.5	46.7	43.4	53.3	315	297	89.4	93.2	4.3	3.5	9.0	6.9	9.330	

BABBACOMBE.

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

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	52.1	52.9	50.7	60.2	ins.	ins.	90	92	NE 2	NW 2	10	1	ins.	7.45a.—0.40p. and at times to 4.15p.
2	29.577	29.757	52.1	52.9	50.7	60.2	378	360	97	95	W 2	WSW 3	9	10	0.020	11.45a.—0.15p. [Wind S. at 3p.]
3	29.942	30.026	56.3	52.5	45.5	62.8	357	373	78	95	SW 4	NW 2	10	0	0.090	9p.
4	30.036	30.092	52.8	47.3	47.3	56.4	371	280	93	87	NW 1	NNW 1	5	0	—	a. and p. [5p.—7p.]
5	30.045	29.832	53.1	51.4	39.1	57.5	303	322	74	85	NE 2	E 3	0	7	0.140	before 9a. Sky greenish in E.—S
6	29.601	30.112	50.1	51.4	50.0	52.5	357	371	98	98	ESE 3	SSW 3	10	9	0.430	Scotch at times. 7p.
7	29.738	30.061	56.1	50.1	45.1	62.6	304	255	67	71	NNW 1	NW 2	4	9	—	Prismatic 10.15a.—6.30p., parhelion [22° above sun 5.30p.—5.45p.]
8	29.699	30.076	56.6	48.9	44.3	62.8	255	331	56	93	Calm 0	SSW 2	6	0	—	9p. [5p.—7p.]
9	29.778	30.053	52.3	50.9	48.9	58.4	342	360	87	97	SE 2	ENE 1	9	9	—	before 9a. Prismatic 10.15p.—3p.
10	29.725	30.060	52.3	52.6	48.9	56.6	367	371	94	93	E 2	NE 3	9	8	0.350	before 9a. 2 K 7 miles to W [0.25p. Distant T in ESE. 5.15p.—5.40p.]
11	53.9	52.8	56.8	53.7	51.6	63.3	399	349	85	84	SSW 5	S 4	8	10	0.010	(NE. & S.) to 0.30a. [K after 7.30p.]
12	63.2	55.0	58.2	54.3	52.6	60.8	394	348	82	82	S 4	SE 3	3	10	0.310	(only about 30° diam.) 10a.—1100a.
13	51.3	54.2	52.0	52.7	48.9	58.0	371	370	96	93	SSW 3	SW 3	10	10	0.510	Squally p.
14	46.5	55.1	56.6	51.7	49.9	59.1	374	349	81	91	SW 3	SW 4	9	9	0.260	K and squalls n. from WSW, noon.
15	33.5	58.6	53.2	51.0	51.0	58.9	364	349	90	91	SSW 7	WSW 4	10	9	0.010	in squalls p.
16	79.8	29.728	55.9	55.0	50.8	56.1	365	427	82	99	SSW 3	SW 7	9	10	0.950	in squalls n. Scotch and D p.
17	88.4	30.016	57.1	53.4	53.1	61.6	430	409	91	100	SW 6	SSE 2	10	10	0.080	Wet n. Squalls p.
18	83.7	29.925	61.3	52.0	52.0	63.9	418	345	77	89	WSW 3	SW 6	2	5	—	Squalls a. from WSW, midday.
19	91.1	30.012	56.1	50.8	49.9	58.7	346	292	76	79	WSW 6	W 4	8	8	0.010	9p.
20	29.928	29.948	49.9	44.1	44.1	54.9	321	255	90	88	WSW 3	W 1	10	1	0.120	0.230 p.—4p.
21	30.035	30.026	50.0	46.9	38.2	57.6	267	280	75	88	W 3	W 3	4	2	0.060	
22	30.023	29.838	52.4	49.5	44.8	59.2	315	283	80	81	W 2	SSW 3	10	10	0.240	
23	29.443	43.4	53.7	50.1	48.1	60.2	378	321	92	89	WSW 3	WSW 3	10	10	—	
24	32.7	51.0	55.1	49.3	48.9	57.8	333	292	76	83	WSW 4	NW 4	8	10	—	
25	74.1	82.2	52.9	48.0	45.7	59.8	266	303	67	91	NW 2	W 3	7	3	0.010	
26	83.7	83.6	53.8	47.8	47.1	59.4	327	301	78	91	W 3	WSW 3	10	5	0.100	
27	76.6	78.2	56.9	49.7	46.0	58.3	339	328	73	92	SW 4	S 2	6	7	0.070	
28	29.785	29.869	54.1	53.5	48.2	60.0	349	304	83	74	ENE 2	N 4	9	10	0.020	
29	30.025	30.122	54.0	52.8	49.8	57.1	322	361	76	90	N 3	N 1	10	10	0.290	
30	30.146	30.092	54.5	47.3	47.2	53.4	294	296	81	92	ENE 3	Calm 0	9	0	—	
31	30.019	29.966	54.7	49.3	43.1	60.1	296	303	69	87	ENE 2	W 1	1	0	—	
Means	29.783	29.811	54.4	50.7	47.5	59.1	343	328	81.1	88.5	3.0	2.8	7.6	6.5	4.100	

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	50.8	49.7	48.3	64.5	ins.	ins.	84	92	S	1	Calm	0	8	ins. 9 a. and 9p.
2	29.581	29.697	51.8	48.7	47.5	61.4	388	326	89	79	SSW	3	SW	3	10	1
3	29.566	29.879	51.1	49.2	43.1	58.9	308	294	81	84	SSW	3	SW	1	8	10
4	29.84	30.009	52.9	48.6	47.5	62.4	206	287	74	84	WSW	3	S	1	10	4
5	29.924	29.782	53.1	51.3	44.7	63.3	312	300	77	79	SSE	2	SSE	2	10	5
6	29.531	29.76	55.2	54.3	45.3	58.9	330	387	76	92	ESE	4	ESE	4	9	10
7	29.695	29.762	53.3	51.4	44.6	62.4	274	311	67	82	S	2	ENE	1	5	4
8	29.743	29.788	50.2	49.9	48.6	62.1	337	292	93	82	NE	2	E	3	10	4
9	29.820	29.837	45.2	48.2	43.1	54.6	258	288	86	86	ESE	4	E	1	10	4
10	29.745	29.532	52.3	54.7	42.3	60.2	329	360	83	85	ESE	3	ESE	4	10	8
11	29.405	29.337	50.2	54.7	50.1	61.4	348	360	96	85	E	2	SE	4	10	10
12	29.666	29.295	57.6	53.7	52.1	61.4	349	341	74	83	SE	5	SE	4	7	8
13	29.276	29.278	53.4	51.1	48.1	62.4	335	317	82	84	SE	2	SSW	2	10	9
14	29.136	29.158	55.1	50.1	49.3	60.5	346	318	79	88	SSE	3	SW	3	9	5
15	29.046	29.095	52.4	50.3	48.6	60.7	335	336	85	92	SSW	1	S	1	10	10
16	29.486	29.195	49.1	53.1	40.3	59.5	331	344	95	84	SSW	2	SSW	5	7	10
17	29.489	29.254	57.2	54.1	51.1	64.2	352	349	75	83	W	4	SSE	2	6	6
18	29.543	29.27	57.0	49.9	49.3	64.6	339	292	73	82	SSW	4	W	2	3	9
19	29.387	29.813	55.2	49.3	45.3	57.6	363	277	84	79	NW	3	NW	3	10	10
20	29.905	29.948	44.1	43.3	41.3	51.0	276	218	95	78	N	1	WNW	3	9	6
21	29.916	29.952	44.7	42.9	39.0	52.4	281	250	95	91	NNW	3	W	1	9	2
22	29.859	29.594	52.3	47.9	37.6	56.3	284	293	72	89	WNW	2	E	2	4	10
23	29.298	29.371	48.1	48.1	45.3	50.2	313	291	93	87	E	3	NNE	3	10	10
24	29.472	29.626	51.1	46.5	46.3	59.8	284	249	75	80	NW	3	NW	2	6	3
25	29.636	29.695	51.8	48.7	42.2	55.0	289	277	75	95	NW	2	Calm	0	8	9
26	29.678	29.659	50.2	46.1	41.3	59.3	271	206	75	95	NW	2	Calm	0	8	9
27	29.678	29.814	49.9	49.1	42.4	56.4	283	282	80	80	NW	1	NNE	1	8	10
28	29.938	29.088	54.1	48.6	40.3	58.4	302	287	73	84	N	1	N	1	3	1
29	29.210	29.259	52.3	48.1	45.3	57.8	276	284	70	85	NW	2	N	1	10	0
30	29.228	29.182	52.5	50.6	33.3	55.4	276	287	70	78	N	1	NE	1	10	10
31	29.103	29.058	52.7	47.3	47.0	59.2	284	228	72	70	N	1	ENE	3	10	0
Means	29.664	29.691	52.0	49.7	44.9	59.1	313	300	80.6	83.9	2.4	2.1	8.4	6.8	4.040	

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29.622	29.732	51.3	52.5	48.5	58.9	360	365	94	92	SE	1	Calm	0	10	9
2	29.792	29.913	57.3	53.0	51.7	62.6	364	286	78	71	SW	3	SW	3	7	5
3	29.958	29.975	55.3	50.8	49.0	61.9	302	257	69	60	WSW	3	WSW	3	2	1
4	30.033	30.078	55.2	52.7	49.2	62.1	306	302	70	76	W	4	Calm	0	5	5
5	30.019	29.865	55.9	49.0	45.8	62.2	340	303	75	87	E	1	SE	2	4	2
6	29.612	29.478	55.0	53.1	47.0	58.4	325	379	75	93	ESE	2	SSE	3	9	8
7	29.720	29.743	53.1	53.2	48.2	58.9	262	315	65	78	WNW	2	NE	1	0	8
8	29.709	29.778	52.7	48.7	48.1	53.5	373	306	94	89	W	1	EbyN	5	10	10
9	29.826	29.869	48.5	49.7	46.0	54.8	294	331	86	93	E	3	SE	1	10	3
10	29.789	29.605	53.1	53.7	48.2	57.8	349	392	86	95	ESE	2	SSE	2	8	10
11	29.398	29.470	52.3	53.8	50.4	59.9	381	366	97	88	ESE	3	S	4	10	9
12	29.497	29.448	59.2	53.6	52.7	61.2	381	366	76	89	S by E	3	SSE	4	4	8
13	29.355	29.368	56.9	53.3	51.0	62.6	328	331	70	81	SSW	3	SSW	2	7	5
14	29.261	29.275	58.4	52.9	51.4	61.4	333	323	68	80	S by W	3	WSW	5	6	4
15	29.093	29.350	56.8	54.1	50.2	62.6	359	336	77	80	SSW	4	WSW	4	7	5
16	29.598	29.393	56.7	55.4	47.1	60.6	265	334	58	76	SW	3	SW	5	4	2
17	29.595	29.850	59.2	55.5	54.3	65.9	335	340	67	77	W by S	4	SW	2	6	5
18	29.650	29.650	59.9	51.7	50.8	64.4	353	298	68	78	SW	4	SW	4	4	5
19	29.472	29.788	55.7	51.0	50.2	60.7	319	326	71	87	SW	6	WNW	3	6	8
20	29.854	29.963	50.8	44.3	44.1	52.7	226	211	61	71	NW	3	NW	2	7	2
21	29.901	29.952	49.1	46.8	39.9	55.0	248	235	71	74	WNW	4	WNW	3	5	2
22	29.928	29.680	52.3	48.2	40.8	57.2	267	302	68	91	W	3	SE	4	5	10
23	29.269	29.288	56.8	51.3	47.4	59.4	364	354	78	94	WSW	1	N	2	8	10
24	29.395	29.575	48.2	48.9	47.3	55.7	305	302	91	88	N	3	N	2	10	8
25	29.677	29.705	51.8	50.3	41.2	56.0	270	311	71	85	WNW	2	WNW	3	9	6
26	29.717	29.688	54.1	49.8	46.2	60.0	296	335	71	93	W by S	3	W	1	7	6
27	29.693	29.788	51.4	49.3	45.8	56.0	290	308	77	88	SSW	1	NW	2	5	3
28	29.908	29.027	52.5	52.3	42.9	59.3	294	291	74	74	NNE	2	N	2	6	2
29	29.176	29.242	53.3	51.8	44.5	58.4	318	326	78	85	N	2	NE	1	10	3
30	29.219	29.162	55.0	53.4	45.6	59.1	307	313	71	77	NNE	1	NNW	1	6	7
31	29.098	29.034	55.3	52.8	46.7	61.1	300	309	68	77	NNW	3	NE	1	5	0
Means	29.704	29.733	54.3	51.5	47.5	59.4	317	318	74.9	83.1	2.7	2.5	6.5	5.5	4.540	

BIRR CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. 7° 55' W. Lat. 53° 6' N.

MAY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	50.5	49.8	48.2	64.5	ins.	ins.	90	90	NW	0.5	W	0.5	10	2	ins.
2	29.614	29.741	50.5	49.8	48.2	64.5	447	322	97	90	SW	1	SSW	0.5	10	0	0.018
3	29.765	29.922	56.7	47.9	47.8	62.2	395	262	86	80	SSW	1	WSW	1	9	10	0.009
4	29.945	29.981	55.5	50.1	42.1	60.0	277	287	62	80	WNW	1	W	0.5	10	10	0.001
5	30.046	30.077	54.9	49.0	47.3	61.5	274	305	63	88	SSW	1	Calm	0	8	0	—
6	29.980	29.793	54.2	47.8	41.8	65.3	301	272	72	82	SSE	1	SE	1	10	9	0.248
7	29.537	29.402	50.6	52.1	43.3	56.3	346	379	94	97	SSE	1	ESE	0.5	4	8	0.173
8	29.713	29.736	54.2	51.1	42.2	63.5	277	296	66	78	Calm	0	E	2	10	10	all day.
9	29.713	29.748	50.5	48.7	43.6	57.3	322	301	88	87	SE	0.5	SE	0.5	10	4	0.034
10	29.756	29.825	49.6	49.6	45.9	59.3	296	310	83	88	SE	1	SE	2	10	6	—
11	29.704	29.505	56.0	54.5	46.3	63.1	345	360	76	84	SE	1	SE	2	10	6	0.367
12	29.379	29.351	54.1	54.0	53.0	64.2	408	368	97	88	NW	0.5	SE	3	10	8	0.174
13	29.395	29.343	57.0	52.0	52.0	61.2	307	333	79	85	SW	3	SSE	1	10	9	0.237
14	29.312	29.334	56.2	50.6	50.2	63.2	352	349	78	95	SSW	1	SSE	0.5	9	10	0.325
15	29.182	29.232	55.9	51.5	48.6	60.8	362	331	81	87	SE	2	SSE	2	8	10	0.296
16	29.077	29.362	51.9	51.1	49.0	59.8	368	322	95	85	W	0.5	WSW	1	10	6	0.151
17	29.531	29.342	55.2	54.7	41.4	62.9	310	318	71	75	SSE	1	SSW	3	8	10	0.088
18	29.632	29.795	55.9	53.0	52.0	65.0	344	340	77	84	WSW	3	SE	1	8	0	0.083
19	29.619	29.614	58.1	47.8	47.4	64.5	331	298	68	90	SSW	1	SW	1	6	8	0.243
20	29.441	29.856	52.6	50.2	47.6	63.8	358	337	90	93	SW	3	WNW	3	10	10	0.023
21	29.895	30.004	48.9	42.0	41.9	53.7	246	209	71	79	NNE	1	W	0.5	10	9	—
22	29.956	29.992	49.9	45.7	38.7	56.9	246	275	68	90	SE	1	W	0.5	8	9	0.193
23	29.922	29.540	51.0	47.3	42.1	56.0	276	307	74	95	SSW	0.5	E	1	10	10	0.195
24	29.271	29.301	53.9	50.0	46.9	61.5	346	356	84	99	Calm	0	NNW	1	9	10	0.221
25	29.453	29.645	51.1	45.3	45.3	57.5	267	263	72	87	NNW	2	NW	0.5	10	1	0.050
26	29.693	29.745	48.9	48.0	41.0	59.5	313	295	91	89	WNW	0.5	W	1	7	10	0.089
27	29.734	29.694	50.1	47.7	45.4	59.3	311	281	86	85	WSW	1	W	0.5	10	10	0.200
28	29.685	29.792	52.1	48.1	43.6	57.7	259	266	67	79	NW	0.5	Calm	0	7	2	0.002
29	29.930	30.067	52.6	49.9	41.0	60.5	297	299	75	85	NNW	1	NNW	1	10	1	0.001
30	29.488	29.234	54.5	54.0	40.7	63.5	316	334	74	80	N	1	NNW	0.5	8	8	—
31	29.222	29.163	56.1	51.5	42.3	62.7	281	312	62	82	NNE	1	Calm	0	4	8	—
31	30.114	30.029	52.1	51.9	50.2	63.3	265	326	68	85	NW	0.5	NNW	0.5	10	1	—
Means	29.690	29.715	53.4	49.9	45.4	60.8	320	310	77.9	86.2	1.1	1.0	8.8	6.7	3.421		

DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.	10 a.m.	
1	ins.	ins.	52.7	43.7	34.9	55.9	ins.	ins.	65	80	NNE 0.5	SSW 0.7	8	5	ins.	
2	29.999	29.951	56.5	49.2	39.8	61.4	338	345	74	99	S 0.5	SE 0.2	9	10	2.02	
3	913	941	56.4	48.2	47.4	59.9	362	323	80	96	S 0.3	NE 0.8	10	10	1.07	
4	29.832	29.892	46.7	45.0	44.9	48.7	291	253	92	85	ENE 0.8	NNE 0.8	10	10	3.70	
5	30.048	30.096	51.3	47.6	43.0	64.2	229	275	61	84	NW 0.2	W 0.6	10	0	—	
6	143	30.186	58.5	46.7	41.4	64.3	336	272	69	86	NW 0.7	E 0.4	8	9	1.34	
7	30.049	29.942	55.0	54.8	46.7	60.8	409	396	94	92	S 0.8	SE 0.2	10	10	0.53	
8	29.719	467	59.7	55.0	53.3	66.1	449	406	88	94	SSW 0.5	Calm 0.0	10	8	4.78	K p.
9	454	370	61.1	53.1	51.7	67.4	387	393	73	97	SW 1.4	SSW 0.7	8	10	1.39	K p.
10	485	618	58.0	51.3	47.6	64.4	360	339	75	90	WSW 2.6	SW 2.3	7	3	0.54	
11	564	239	53.7	52.6	45.5	62.5	376	395	91	99	SE 0.8	S 1.1	10	10	1.120	
12	332	629	57.1	47.8	47.5	61.4	396	330	84	99	S 2.7	NNW 3.4	8	10	1.153	
13	862	072	48.8	41.1	41.1	54.4	275	238	79	93	NNE 1.4	NW 0.6	10	0	—	D gp.
14	977	943	49.3	46.2	37.3	53.4	269	270	76	87	NNW 0.5	Calm 0.0	10	9	—	
15	857	875	56.2	43.7	37.9	61.3	274	267	60	93	S 0.4	W 0.2	10	1	—	
16	822	807	52.0	48.3	38.0	54.7	283	333	73	99	N 0.8	NW 0.3	10	10	0.60	
17	778	846	53.5	48.2	48.2	59.0	324	332	79	99	N 0.5	SW 1.0	10	10	0.66	
18	829	29.907	58.4	46.1	45.7	65.1	336	384	69	91	NW 0.8	SW 0.8	9	1	—	D gp.
19	29.948	30.039	66.0	54.5	43.7	72.7	385	387	61	91	Calm 0.0	WNW 0.2	5	9	—	
20	30.026	008	64.7	55.4	43.4	70.3	428	379	70	87	SSE 0.8	S 0.8	3	7	—	
21	001	107	62.0	48.0	48.0	67.1	436	309	79	93	SSW 1.7	NW 0.4	9	2	—	D gp.
22	162	111	68.0	58.7	43.8	74.4	372	392	54	80	S 0.2	S 0.3	1	9	—	
23	063	028	67.7	58.3	55.5	79.0	442	477	65	98	SSW 0.7	SSW 0.8	7	2	—	T p. D gp.
24	023	095	70.0	60.4	54.4	80.0	461	439	63	84	SW 1.7	NW 0.1	8	1	—	
25	124	158	69.7	62.3	54.7	79.0	466	474	64	84	SSW 0.8	Calm 0.0	3	0	—	
26	120	138	78.6	71.3	57.6	85.8	573	602	58	79	S 1.1	S 0.5	1	8	—	K p.
27	084	070	80.6	68.4	64.2	87.0	636	541	60	78	SSE 1.8	Calm 0.0	0	0	—	
28	30.033	30.045	72.3	64.4	56.7	78.8	553	477	70	79	E 2.0	Calm 0.0	0	0	—	
29	29.991	29.943	68.3	55.7	50.7	71.0	435	423	63	95	ENE 0.9	NNW 0.5	9	10	0.09	gp.
30	29.917	29.980	59.8	52.3	52.3	62.3	426	368	83	94	ENE 2.4	NE 1.4	10	10	—	
Means	29.905	29.915	60.4	52.6	47.2	66.4	385	365	72.4	90.4	1.0	0.6	7.4	6.1	2.945	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30.029	29.981	53.8	51.5	48.4	58.4	320	280	77	73	E 2	NE 1	2	1	—	
2	29.907	921	54.3	52.8	46.8	58.6	384	364	91	91	Calm 0	E 1	10	10	0.005	T.
3	912	876	53.5	51.8	50.3	58.1	390	370	95	95	E 1	Calm 0	10	10	5.20	D. p. gp.
4	29.726	29.869	50.2	48.7	47.4	54.0	360	301	100	88	E 4	NNE 4	10	10	0.075	2 (very heavy) 5.30a.—6.30a.
5	30.065	30.132	53.5	47.3	46.7	56.2	329	312	80	96	ESE 1	Calm 0	2	7	—	
6	178	30.153	54.0	51.4	46.9	55.6	355	380	85	100	SE 1	Calm 0	9	10	0.200	p. b
7	30.032	29.874	53.2	54.5	50.2	55.6	406	384	100	91	SSW 4	E 3	10	9	1.110	before ga.
8	29.668	437	56.5	52.0	51.7	58.1	412	388	90	100	ESE 3	S 2	9	10	3.77	gp. 2.
9	454	406	53.9	51.7	50.2	58.9	417	384	100	100	SW 2	SW 1	10	9	—	
10	506	618	55.3	49.8	49.9	59.3	389	348	89	97	WSW 4	WSW 1	9	3	4.73	gp. 2.
11	339	220	51.4	51.8	44.7	56.9	375	383	98	99	E 5	Calm 0	10	10	0.298	2.
12	364	684	53.0	52.7	51.1	57.9	391	351	97	88	NW 4	Calm 0	10	10	0.080	
13	817	849	51.0	53.2	45.8	58.7	343	347	92	86	E 4	E 2	10	8	0.012	
14	966	905	53.0	50.2	49.9	55.1	313	307	78	85	E 3	E 1	2	7	—	
15	831	834	54.6	50.2	48.1	55.2	380	358	89	99	SSE 2	Calm 0	10	9	0.021	
16	844	830	54.7	52.3	46.1	64.2	391	365	92	93	Calm 0	NNW 1-2	9	7	—	Nimbus clouds from N, ga.
17	831	862	54.0	50.4	49.9	60.2	347	294	83	81	NW 4-5	NNW 2	9	3	—	
18	868	29.911	56.6	51.1	49.6	59.6	355	345	77	91	W 3	Calm 0	8	7	—	
19	29.959	30.043	57.8	50.1	41.3	62.5	410	313	86	86	ESE 2	Calm 0	4	1	—	
20	30.014	29.907	55.7	54.6	41.5	59.9	348	380	77	89	SE 3	SSE 2	6	10	4.52	T. D. 2 8.45p.—10.30p.
21	008	30.134	57.4	48.5	48.3	61.2	387	316	82	93	W 1	Calm 0	7	0	—	
22	177	127	58.8	51.1	41.2	60.0	461	345	94	91	SSE 1	Calm 0	2	6	—	
23	085	024	58.5	53.1	46.6	60.8	408	379	83	93	S 2	Calm 0	7	8	—	Very clear atmosphere. D
24	036	075	55.3	56.0	52.5	60.0	435	422	99	94	SSW 2	Calm 0	10	9	—	ga.
25	140	160	58.3	55.2	54.0	63.3	462	410	95	94	SW 2	Calm 0	9	2	—	
26	146	30.118	64.4	59.5	48.8	72.1	480	448	79	89	ESE 3	Calm 0	1	1	—	T. D. gp.
27	30.039	29.946	70.4	63.8	54.2	76.4	585	528	78	89	ESE 3	Calm 0	4	7	0.024	ga. K Noon—6p.
28	29.924	967	68.6	65.1	61.6	76.0	492	417	70	68	E 4	ENE 4-5	3	1	—	At 9.45p. Temp. rose from 65° to 67°, and at 10.30p. it was 68°.
29	961	880	65.1	62.1	58.5	70.3	426	300	70	54	NE 4	NNE 2	7	1	—	
30	29.907	29.948	61.4	59.0	50.3	68.0	443	399	82	80	NE 3	NE 4	8	4	—	
Means	29.893	29.892	56.6	53.4	49.1	61.0	400	364	86.9	80.1	2.6	1.1	7.2	6.3	2.647	

WAKEFIELD.

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

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	51.2	50.2	43.3	60.0	in.	in.	71	73	NNE 1	SE 2	5	8	ins.	
2	30.061	30.054	51.2	50.2	43.3	60.0	265	263	71	73	NNE 1	SE 2	5	8	—	
3	30.018	29.907	53.8	52.9	37.0	63.6	321	329	76	82	NE 1	Calm 0	0	9	0.070	
4	29.947	909	50.3	54.2	47.1	60.0	335	384	92	91	SSE 1	NNE 2	10	10	5.80	Sky completely overcast with a thick
5	29.781	29.802	50.3	48.2	43.1	54.8	360	328	99	98	NNE 1	NE 2	10	10	5.50	[low impervious cloud N to E, ga.
6	30.065	30.124	55.0	48.2	45.1	58.0	307	307	71	92	NE 1	SE 1	10	2	—	
7	188	30.182	57.5	55.4	41.0	67.6	323	374	68	86	WNW 3	W 1	8	8	—	
8	30.094	29.972	60.3	59.4	48.5	64.4	364	400	70	79	SSW 1	E 1	9	10	—	
9	29.766	551	62.0	60.2	47.7	68.4	419	434	76	84	SSE 2	SE 2	8	4	2.50	Clouds low and soft, S to N ga. Air
10	575	469	62.4	52.2	51.1	64.6	342	358	60	92	WSW 2	SE 1	5	10	3.60	[soft and heavy.
11	569	704	58.0	52.7	51.3	61.1	318	285	66	72	SW 4	WSW 2	7	3	1.60	
12	511	289	54.0	55.0	42.1	62.8	358	364	85	84	SE 2	SW 2	10	10	3.30	
13	402	661	55.7	53.2	52.2	61.0	323	345	73	85	S 3	W 1	10	10	2.60	
14	861	944	50.2	49.8	47.9	56.2	273	277	76	78	N 1	NNE 2	10	8	—	
15	987	954	51.1	50.4	45.5	56.2	254	281	67	78	NE 2	SE 2	10	10	—	Clouds low soft and dense ga.
16	897	850	52.7	52.5	44.8	58.9	276	316	70	80	ENE 1	ENE 1	7	10	—	
17	832	833	52.3	50.2	41.8	61.0	288	322	73	89	WNW 1	NW 1	8	10	0.020	
18	776	876	56.0	51.2	48.1	61.0	338	345	75	92	W 2	S 1	10	10	0.080	Air soft and heavy, clouds thick and
19	864	29.921	58.0	54.2	49.1	62.8	330	334	69	79	W 2	SW 2	7	8	0.020	[dense ga.
20	29.992	30.042	54.7	53.4	47.6	63.7	334	366	78	89	Calm 0	W 1	10	0	—	Clouds soft and thick, air close and
21	30.059	034	56.4	60.0	42.9	71.2	412	404	90	78	E 1	SE 1	3	4	—	before ga. [heavy ga.
22	064	120	58.5	61.6	45.9	66.9	393	431	78	79	SSW 1	Calm 0	10	10	0.010	Clouds low and soft. [6.10p.
23	187	220	62.1	64.4	54.6	69.0	398	511	70	85	Calm 0	Calm 0	8	9	—	Air soft and close ga. T 4.40p. K
24	168	042	68.4	59.2	54.2	75.8	461	462	65	92	Calm 0	E 1	4	6	2.90	Clouds heavy and low from N to E ga.
25	065	107	67.9	65.4	51.6	79.8	522	487	77	78	E 1	W 1	5	7	—	[Air close and sultry.
26	156	102	68.8	63.0	62.1	81.8	472	533	67	93	Calm 0	Calm 0	8	0	—	
27	166	141	71.5	72.5	55.0	86.3	522	574	67	72	SSW 1	SSE 1	5	7	—	
28	30.109	042	77.1	72.8	66.5	86.8	598	550	64	69	SE 2	SE 3	1	0	—	T 7.10p. 8p.
29	29.998	30.042	73.6	59.2	59.2	81.8	552	431	67	86	E 3	NE 2	1	1	—	Wind variable during the day from
30	971	29.995	66.1	58.2	49.4	69.6	470	394	73	81	NE 3	NE 2	8	0	—	[S to N.
30	29.896	30.042	61.7	57.2	44.7	64.1	428	353	79	75	NNE 2	N 2	10	10	—	
Means	29.934	29.927	59.3	56.6	49.0	66.6	378	385	73.7	83.0	1.5	1.3	7.2	6.8	2.980	

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.					Tension of Vapour.		Relative 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.	58.9	53.8	45.8	63.9	ins.	ins.	77	81	SE	2	SE	1	7	5	Fair but dull with ∞. [showery.
2	30.011	29.979	58.9	53.8	45.8	63.9	331	338	67	81	SE	2	SE	1	7	5	∞ a. and p. Dull but fair till 7p., then
3	29.987	29.923	56.5	53.3	50.0	62.0	357	346	78	85	W	0.6	W	0.6	10	10	Very fine, with ∞. [showers.
4	29.913	29.883	58.4	54.0	51.7	62.1	386	388	79	93	SW	0.6	N	1	10	10	∞ n. Windy and dull, with slight
5	29.978	29.859	53.5	51.8	51.6	59.7	389	313	96	81	E	4	E	4	10	10	Very fine.
6	30.059	30.151	55.7	50.0	49.0	59.2	327	284	74	79	E	1	N	1	10	0	Very fine. Sea ∞ passed over from
7	29.183	30.187	61.4	54.4	46.0	63.5	361	351	67	83	NE	1	N	1	2	1	[Little Orme to Gt. Orme at 3.30p.—4p.
8	30.063	29.887	59.1	59.2	53.6	69.0	386	377	77	75	S	1	SE	1	10	9	Dull a. Very fine p.
9	29.686	48.5	61.0	55.8	54.5	66.9	410	391	77	87	S	2	W	3	10	10	Dull and showery, but warm.
10	476	451	60.4	55.0	53.6	69.0	371	360	71	83	W	0.6	W	2	10	8	∞ 1.20p.
11	571	672	59.9	52.9	51.9	65.1	367	301	72	75	SW	4	W	2	5	0	Fine, but windy.
12	346	289	57.6	51.0	49.5	64.9	396	374	83	100	S	2	W	5	9	10	Stormy and showery.
13	397	692	53.3	53.1	52.0	59.1	386	378	95	93	W	1	W	1	10	10	
14	805	896	57.1	54.8	51.6	61.9	370	339	79	79	E	2	E	2	7	10	
15	956	896	54.6	53.7	48.5	59.1	293	339	69	82	E	3	E	2	0	10	Very fine, wind cold.
16	844	822	54.3	54.2	49.0	61.4	344	366	81	87	S	0.6	SE	1	10	10	Showery a. Fine p.
17	870	863	61.2	52.6	50.5	65.7	377	379	71	96	NW	0.6	WNW	1	7	1	
18	859	898	53.6	53.4	51.4	63.4	358	343	87	84	WNW	1	WNW	1	10	10	∞ a.
19	885	899	60.1	53.1	52.0	63.1	343	322	66	79	W	1	N	0.6	10	10	Very fine.
20	29.980	30.064	62.8	53.1	49.0	67.0	375	344	66	84	WNW	1	W	0.6	2	0	Very fine.
21	30.016	29.990	66.3	59.9	47.8	71.6	393	324	61	63	S	0.6	S	2	2	10	Very fine till 8p., then ∞.
22	021	30.147	58.0	53.2	53.2	59.9	415	379	86	94	W	2	N	1	10	0	∞ over all the hills.
23	178	134	61.5	55.2	49.4	62.1	370	378	69	87	SW	1	NW	0.4	3	2	Very fine.
24	108	043	59.8	57.0	55.2	63.1	389	406	76	87	N	1	N	0.4	10	0	Very fine.
25	071	100	64.6	60.0	54.4	70.0	453	424	75	82	N	1	W	1	10	10	Very fine.
26	172	168	63.0	59.6	58.2	71.6	444	439	78	86	N	1	N	0.4	8	0	Very fine.
27	129	30.114	73.0	69.2	56.5	85.0	522	494	64	69	N	1	N	0.4	0	10	Very fine. From 4.30p. sea ∞ from
28	30.024	29.958	82.8	72.0	64.6	93.0	560	462	51	58	S	1	S	1	0	1	[Little Orme and Menai Straits, covering
29	29.913	29.938	68.1	60.2	63.8	83.8	492	449	71	62	E	3	E	3	2	0	all the hills, the town and Great
30	29.921	29.852	63.6	63.9	57.5	72.8	436	403	74	68	E	3	E	3	1	0	Orme being quite clear and sunny.
Means	29.900	29.906	60.8	56.7	52.6	67.0	392	373	74.1	81.3	1.6	1.5	6.6	5.9	1.680		Very fine and hot, 15° diff. between
																	[dry and wet in afternoon.
																	Very fine. ∞ a. and p.
																	Windy with ∞.
																	Very fine.

BUXTON.

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

JUNE 1878.

Day.	Barometer.		Air Temperature.					Tension of Vapour.		Relative 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	30.031	30.080	52.3	44.7	43.0	58.0	269	255	69	86	SE	1	SE	1	2	10	—
2	30.093	29.979	53.7	47.9	36.0	56.2	261	308	64	93	SE	2	SSE	1	8	10	1.30
3	29.928	29.915	50.7	51.8	45.0	62.0	344	361	93	93	SSE	1	SSE	1	10	10	1.340
4	29.757	29.847	50.1	47.4	46.0	54.2	335	290	93	89	SSE	1	NE	2	10	10	1.120
5	30.072	30.168	45.9	43.7	42.4	55.2	252	258	83	90	E	1	N	1	10	4	0.10
6	179	30.156	57.3	56.7	43.6	58.2	262	418	56	91	WNW	1	W	1	4	5	0.020
7	30.124	29.956	55.3	53.4	37.8	64.9	369	366	84	89	SW	2	SW	1	9	10	—
8	29.756	544	61.1	55.9	49.4	65.1	444	388	82	87	SW	1	W	1	8	10	—
9	509	491	54.1	49.9	49.0	50.3	357	333	84	93	SW	1	W	1	8	10	4.10
10	612	888	50.7	47.9	47.0	56.3	318	246	86	75	WSW	2	W	2	10	2	4.90
11	505	370	49.9	49.9	44.0	60.1	333	328	93	92	SW	1	E	1	10	8	4.90
12	425	653	49.1	50.7	47.4	54.3	323	349	93	94	SW	3	NW	1	10	10	3.50
13	873	955	45.5	45.8	43.0	51.4	281	265	93	86	E	1	E	1	10	8	0.020
14	975	962	47.9	46.3	37.0	52.1	263	278	79	90	ESE	1	SE	1	5	10	0.050
15	905	885	49.9	48.7	43.0	56.1	272	294	77	86	SE	1	NW	1	8	10	—
16	825	853	56.8	46.5	44.2	60.1	328	293	71	94	NNW	1	NE	1	4	10	2.80
17	833	870	51.7	48.4	44.4	55.1	331	307	86	91	NW	1	NW	1	10	8	0.020
18	29.891	29.961	54.9	51.2	48.2	60.1	274	298	64	80	NW	1	NW	1	6	8	0.010
19	30.015	30.082	50.9	51.9	48.0	62.1	293	334	79	86	NW	1	N	1	10	10	—
20	049	068	62.4	53.3	40.2	66.9	371	327	66	80	S	1	S	1	4	3	—
21	089	151	55.3	56.8	46.2	64.3	343	428	78	92	WSW	1	W	1	8	10	0.020
22	201	162	50.3	56.8	52.4	68.9	437	412	87	89	W	1	W	1	8	8	—
23	114	020	67.9	56.7	51.8	72.2	465	407	68	88	W	1	NW	1	4	10	—
24	055	107	68.6	60.8	51.5	74.7	424	461	60	87	NW	1	NW	1	4	6	—
25	168	200	67.3	60.8	58.3	76.2	436	498	66	94	NW	1	SW	1	4	10	—
26	165	175	73.9	67.9	53.3	80.4	479	556	57	82	SW	1	SW	1	1	3	2.40
27	30.100	073	77.2	66.0	60.0	80.0	578	543	63	85	SW	2	SE	1	2	4	Hot with K ∞ p.
28	29.981	30.026	72.6	57.6	56.8	77.2	526	451	65	95	SE	2	E	1	3	0	∞ p.
29	949	29.921	63.8	56.6	52.4	70.6	457	434	77	95	E	2	E	1	4	3	∞ p.
30	29.896	29.950	61.2	54.3	48.2	68.4	394	335	74	79	NE	1	E	1	5	10	—
Means	29.936	29.950	57.2	52.9	47.0	63.4	361	361	76.3	88.4	1.3	1.1	6.6	7.7	4.000		

HILLINGTON, NORFOLK.

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

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	53.2	40.4	40.4	59.7	ins.	ins.	72	97	NE	1	Calm	0	6	0	ins. — Very fine and sunny, coldish wind. [9p.
2	30.041	30.067	53.2	40.4	40.4	59.7	.293	.242	72	97	SE	2	SE	0.5	7	10	.123 before 9a.
3	29.952	29.999	53.8	53.0	46.9	64.6	.331	.315	69	91	SE	0.5	SE	1	10	10	.115 ☽ 9p.
4	29.782	29.698	56.5	55.0	49.5	66.5	.433	.400	95	92	SSW	0.5	SW	2	10	10	.498 ☽ ² K ² Δ 1.10p.
5	30.018	30.155	54.4	49.8	47.6	58.6	.298	.307	70	87	NE	1	SW	1	10	10	☽ 9p.
6	.203	.185	60.0	56.2	42.6	67.4	.371	.375	72	84	SW	0.5	SW	1	3	8	☽ early a. ☽ 9p.
7	30.149	30.026	62.9	56.6	50.3	66.6	.437	.406	77	88	S	2	SW	1	7	10	☽ early a. ☽ 9p.
8	29.841	29.596	67.0	56.5	51.1	71.6	.418	.447	63	98	SSE	3	SE	1	8	2	.202 Distant T 3.45p-4p.
9	.612	.487	60.4	52.7	52.3	67.2	.275	.389	52	98	SW	3	SW	2	9	10	.188
10	.642	.735	57.9	52.4	51.2	63.4	.340	.351	71	89	W	5	S	1	7	1	.115
11	.568	.425	55.1	56.4	46.2	61.5	.384	.356	88	78	S	3	SW	4	9	8	.123 Showery. Fine 4.30p.
12	.502	.600	58.3	55.0	46.8	63.6	.357	.394	73	91	SW	5	W	3	7	10	.226 Fair a. Showery p.
13	.799	.821	53.0	48.9	47.8	60.6	.356	.301	88	88	SW	1	NE	1	10	8	—
14	.901	.893	55.0	44.1	44.1	58.5	.297	.271	69	93	NE	2	NE	1	8	3	—
15	.897	.862	53.4	41.1	37.3	58.0	.290	.251	71	97	NE	1	Calm	0	9	2	—
16	.806	.791	52.6	49.1	39.0	55.1	.295	.339	74	97	NNW	3	NW	0.5	10	10	.130
17	.809	.818	52.7	51.8	47.8	60.4	.360	.358	90	93	WNW	1	W	1	10	10	.011
18	.842	.882	60.9	56.0	48.5	68.0	.361	.413	68	92	W	2	W	1	4	9	— ☽ 9a. Fair.
19	29.872	.992	63.8	55.9	46.8	67.9	.413	.391	70	88	SE	1	SW	1	8	6	.060 Showery. Distant T afternoon.
20	30.036	29.969	61.2	54.9	51.2	69.5	.430	.401	80	93	SW	1	W	1	9	0	— Dull a. Fine p.
21	.032	30.050	60.5	58.0	46.2	73.8	.419	.446	65	92	SW	2	W	0.5	3	2	—
22	.170	.135	71.2	59.9	48.6	79.5	.428	.457	55	90	SW	1	SW	0.5	3	3	— [4p. K 4.15p-4.20p.
23	.103	.064	71.8	61.4	53.4	79.2	.512	.473	66	88	SW	0.5	SW	0.5	8	9	.005 ☽ clouds. T 2p., and ☽ ⁰ , more intense
24	.090	.135	73.7	62.3	55.2	82.4	.555	.550	67	98	SW	1	SW	0.5	8	10	.257 Very fine and warm, white vapour
25	.181	.185	66.2	66.0	58.9	84.3	.586	.608	91	98	SW	0.5	S	0.5	10	1	— Very fine and hot.
26	.119	.135	79.8	68.5	57.8	87.8	.617	.607	60	88	SE	1	W	1	0	2	— Very fine and sunny. Distant T 8p.
27	30.108	30.021	81.8	64.8	60.0	84.9	.592	.501	54	83	E	3	E	3	0	0	— Very fine, sunny and hot. [9p.
28	29.935	29.934	77.8	57.9	58.1	80.3	.535	.477	56	100	E	3	E	2	0	0	— Very fine, sunny and hot.
29	.870	.852	75.9	55.7	53.6	79.0	.689	.444	77	100	SE	3	NE	1	1	2	— Very fine, sunny and hot.
30	29.818	29.901	63.9	58.0	55.1	67.6	.550	.444	93	92	NE	3	NE	0.5	9	10	— ☽ ² .
Means	29.926	29.911	62.6	54.9	49.1	69.1	.418	.404	72.5	92.0	1.9		1.1	6.8	5.9	2.053	

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	51°0	50°3	44°3	64°1	in.	in.	73	84	ENE-E 3	SE 2	7	1	ins.	
2	30°036	30°037	51°0	50°3	45°2	55°6	269	348	70	97	SE 3	ESE 2	10	10	210	[Wind SW 10.45a.
3	29°940	29°966	51°0	50°0	46°5	62°2	364	416	97	92	ESE 0-1	NE 1-2	10	10	310	Day dull or gloomy. ☁ to ☁ a.
4	29°734	29°780	51°0	51°0	46°5	61°4	417	369	99	95	S 2	NW 2	10	10	060	☁ 9a. and before. [∞
5	30°058	30°142	49°0	53°0	45°5	57°6	278	347	80	86	ENE 1-2	W 1	10	10	—	Wind changing to S in aft. Some sky
6	199	30°200	58°8	55°0	40°9	67°1	295	352	59	82	SSW 3	WNW 1	0	1	010	☁ 9a. ☁ 9a. and p. ● 2 5.15p.
7	30°136	29°975	56°9	58°6	51°0	65°1	384	388	83	79	SSW 3	SSE 3	10	10	—	☁ 9a.
8	29°765	29°552	59°5	58°3	52°1	69°1	416	381	82	79	SSE 3	SSW-8 4-5	10	1	030	☁ 9a.
9	549	29°494	57°0	51°1	50°6	63°4	385	370	83	98	S 3-4	SW 2	10	10	330	☁ 9a.
10	648	29°553	55°9	50°1	49°4	63°1	323	301	72	83	SW 6	SW 3	9	0	300	☁ 9a.
11	478	29°395	53°2	52°0	47°9	61°5	400	333	99	85	S 4-5	SW 5	10	10	160	☁ 9a.
12	461	29°670	55°9	53°3	48°7	57°2	354	365	79	90	S 4	WSW 2-3	9	10	140	☁ 9a.
13	817	29°905	56°2	49°9	49°6	57°1	375	308	83	86	W 1	NNE 3	10	10	010	☁ 9a.
14	952	29°932	49°6	47°8	45°3	56°3	263	290	74	88	NE 2	ENE 1	10	10	—	Dull a. and p. with T 4.45p.
15	895	29°848	51°8	52°9	43°7	63°0	270	341	71	85	ESE 1	E 0-1	7	10	—	Dull a. Aft. fine. Morning obs. (ex-
16	817	29°822	56°8	52°5	47°2	63°8	354	357	76	91	NNW 1	N 1	9	10	040	☁ 9a. [cept bar.] taken at 9.30a.
17	845	29°890	55°1	51°9	47°1	60°7	371	324	85	84	NW 1-2	NW 2	10	9	040	☁ 9a. T 1.45p.—3.30p. then ● 2.
18	901	29°921	58°8	54°6	47°9	62°4	330	359	67	84	WNW 2	Calm 0	4	10	010	☁ 9a. Aft. fine. T 3.45p.—4.30p.
19	29°977	30°043	57°7	58°8	51°4	61°2	368	335	77	68	NNE 1-2	NNW 2	9	10	—	☁ 9a.
20	30°054	30°046	61°4	58°0	47°2	70°2	409	375	76	78	SE 2	S 1	2	9	—	Day fine. ☁ 9a. and 0.45p.
21	090	30°141	60°5	61°2	50°7	70°7	379	431	72	80	SW 3	W 1	7	9	—	Day fine.
22	189	30°140	65°1	63°0	58°5	74°3	496	500	81	87	S 1	N 1	10	4	—	Day fine.
23	094	30°040	69°4	67°1	56°5	76°5	479	488	67	74	SSE 2	Calm 0	8	3	060	Day fine. T 8.30p.
24	079	30°093	70°0	68°4	59°0	80°0	521	502	71	72	SSW 2	SSW 0-1	6	10	—	Day fine. Evening overcast.
25	168	30°160	69°1	70°2	60°9	79°6	507	499	72	67	SSE 1	S 1	9	0	—	Day very fine.
26	171	30°144	73°9	69°0	60°2	84°0	496	629	58	89	S 3	ENE 2	1	8	140	Very fine a. Wind SE 10a. T 2.15p.
27	30°084	30°004	76°0	70°8	63°4	83°7	633	519	71	69	SE 2	E 3	1	0	—	[● 2.30p. Some seen p.
28	29°935	29°947	73°0	66°9	60°9	81°1	558	516	69	79	ENE 3	ENE 3	0	0	—	☁ before 9a. Very fine day.
29	918	29°846	62°2	58°3	54°0	74°7	495	466	83	96	NE 4	NNE 3	9	2	510	☁ a. and p. Very fine day.
30	29°842	29°922	62°6	58°8	53°1	68°2	395	427	70	87	NNE 4-5	NE 1-2	1	1	—	☁ 9a. and ☁ 9p. ● 2 with distant K
Means	29°929	29°924	59°5	57°3	51°0	67°2	394	398	76°6	83°8	2°5	1°9	7°3	6°6	2°350	[from 2.30p. T close with ▲ 2 ● 2 7.10p.

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.

JUNE 1878.

1	30°079	30°062	49°9	50°1	48°8	56°6	304	317	85	88	E 3	SE 1	9	7	—	☁. Fine and clear.
2	30°025	29°978	56°4	50°5	49°5	60°5	289	343	63	94	E 4	SE 1	6	8	104	☁ before 9a. Cold and dull.
3	29°951	29°924	54°9	52°8	49°4	62°0	389	356	91	88	NE 1	WSW 1	4	7	490	Cold wind.
4	29°743	29°842	54°3	52°4	51°1	58°2	360	361	85	91	SE 1	W 1	8	8	125	Very dull.
5	30°093	30°200	48°4	50°9	46°2	60°0	302	333	89	90	SE 1	NW 1	9	4	—	Clear and bright.
6	209	30°261	59°5	50°9	38°6	63°7	394	346	78	93	W 1	WNW 1	3	5	247	☁ before 9a. ☁ 2 storms.
7	30°157	29°956	57°5	57°8	49°9	65°9	328	358	69	75	SE 3	SSW 1	8	4	020	Very wet.
8	29°737	29°563	57°5	54°7	53°7	66°3	413	384	87	90	SE 4	SSW 1	9	8	335	Dark and gloomy.
9	514	29°512	53°9	51°8	51°1	58°9	396	335	95	86	E 3	SW 1	10	5	360	Cold and dull.
10	656	29°769	54°4	50°0	49°2	61°0	356	295	84	82	S 5	SW 1	8	2	377	Cold wind.
11	398	29°421	54°9	50°8	47°8	63°0	404	319	94	86	SE 6	SW 4	10	8	177	☁. Disagreeable weather.
12	462	29°711	52°9	52°8	48°5	57°6	355	351	88	87	S 4	WSW 2	10	8	040	☁.
13	813	29°915	59°0	52°2	49°9	62°0	386	348	77	89	SW 2	NE 1	4	8	200	☁. T. Heavy storms.
14	958	29°952	50°2	48°9	45°2	55°9	277	274	77	79	NE 4	SE 1	8	2	025	☁.
15	889	29°863	53°9	51°3	42°2	57°9	313	344	75	91	E 1	SW 1	3	8	—	Very close.
16	836	29°864	56°9	53°0	46°2	60°5	384	348	83	86	SW 1	SW 1	3	3	203	☁. Warm.
17	865	29°927	53°7	53°1	46°1	61°4	358	342	87	84	NW 1	NE 1	4	8	150	☁ before 9a. T. Clear and bright.
18	29°904	29°948	58°2	53°3	41°6	61°5	339	342	70	83	NW 1	W 2	8	8	020	☁ before 9a. Very bright.
19	30°014	30°109	56°9	53°1	47°6	63°9	361	322	78	79	NW 3	WSW 1	4	3	—	☁ before 9a. Very hot.
20	072	29°084	58°5	57°1	43°8	68°4	373	361	77	76	NE 1	SW 1	7	6	—	☁. Clear and bright.
21	041	29°181	56°9	58°4	53°2	64°5	384	418	83	86	S 2	SW 1	8	6	002	☁. Warm. ☁ 9p.
22	220	29°176	59°5	60°7	54°5	66°6	430	449	85	85	NW 1	NW 3	5	4	—	☁. Very clear.
23	119	29°095	62°0	61°0	54°0	72°8	496	443	90	83	Calm 0	SW 1	2	3	—	Very hot.
24	083	29°156	66°5	63°4	50°8	74°8	431	453	67	78	SW 1	NW 1	2	8	—	☁. Exceedingly hot.
25	196	29°194	64°2	65°1	58°1	76°1	433	489	72	79	NW 1	S 2	3	3	—	☁. Cool breeze.
26	150	29°158	74°0	68°8	54°5	83°3	498	558	59	80	SSE 3	SSW 1	2	2	—	Very hot.
27	30°085	29°990	79°0	71°9	62°0	82°2	756	507	76	64	E 3	SE 2	1	2	—	☁. Cool breeze.
28	29°907	29°893	75°0	68°4	61°9	81°0	566	406	65	58	E 4	SE 1	1	2	468	☁.
29	934	29°814	65°0	56°7	52°5	72°8	477	433	78	94	E 2	SE 1	2	8	—	☁.
30	29°883	29°954	60°4	62°0	48°1	69°6	382	424	73	77	NE 1	ENE 1	2	8	—	☁.
Means	29°933	29°949	58°8	56°1	49°9	65°6	398	379	79°3	83°4	2°3	1°3	5°4	5°5	5°343	

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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°6	52°6	43°2	58°6	in.	in.	86	92	ESE 1	Calm 0	10	10	ins.	9a. 9p.
2	30°038	30°023	56°5	51°2	50°2	56°9	305	364	96	96	SSE 3	Calm 0	9	10	400	
3	30°014	29°939	56°5	51°2	50°2	56°9	304	361	97	96	Calm 0	Calm 0	8	4	228	9p.
4	29°937	882	59°4	54°8	50°5	63°2	404	391	81	91	Calm 0	Calm 0	10	10	062	
5	29°722	29°811	56°0	54°8	51°6	60°7	371	391	83	91	SSW 4	Calm 0	10	10	008	
6	30°068	30°153	49°6	52°0	48°0	63°4	309	311	88	80	Calm 0	Calm 0	10	0	008	
7	229	30°210	57°0	53°5	47°2	65°6	367	344	79	84	Calm 0	Calm 0	8	5	008	9a.
8	30°132	29°952	58°4	50°6	48°0	66°3	378	360	77	78	SSW 2	SW 1	10	7	010	
9	29°721	550	59°6	55°9	52°2	67°6	444	377	87	85	S 3	SW 2	10	4	550	2p. 0.5 in. of fell in 12 minutes.
10	526	514	57°6	51°9	51°1	61°7	415	349	87	91	SSW 4	SW 3	10	10	130	
11	686	763	56°8	49°4	49°2	63°5	313	296	68	85	WSW 5	WSW 1	8	2	244	9p.
12	410	441	55°2	52°1	47°0	62°7	413	312	95	80	S 5	WSW 4	10	10	200	
13	479	724	55°7	52°3	50°0	59°9	327	346	74	88	SW 5	WSW 1	10	4	015	
14	818	860	59°6	54°2	51°6	65°5	358	374	70	89	WSW 1	E 1	6	10	004	9p.
15	941	924	50°8	50°0	47°4	58°4	292	294	79	82	E 3	Calm 0	10	10	—	9a. 9p. ● 9p.
16	878	838	56°9	52°5	42°8	62°7	304	357	66	91	SSE 2	Calm 0	4	10	007	9a. 9p. ● 9p.
17	829	825	57°8	55°0	48°6	64°5	378	340	79	80	Calm 0	Calm 0	8	9	020	9a. 9p. ● 9p.
18	853	894	56°0	52°1	47°6	67°4	358	375	80	96	Calm 0	Calm 0	10	9	300	9a. 9p. 3p. 0.22 in. of [9 minutes in
19	905	29°925	60°6	53°9	48°7	63°9	367	384	70	93	Calm 0	Calm 0	9	10	070	
20	29°983	30°020	60°3	56°9	48°0	68°7	349	348	67	75	Calm 0	N 1	1	4	—	9a. 9p. 2 9a. 9p.
21	30°049	041	61°8	55°1	45°2	69°8	406	371	74	85	Calm 0	Calm 0	2	3	—	9a. 9p. 2 9a. 9p.
22	086	148	58°8	59°2	52°8	69°3	393	419	79	84	S 3	Calm 0	9	3	—	9a. 9p. 2 9a. 9p.
23	187	126	63°4	61°9	54°7	72°7	472	475	81	87	S 2	Calm 0	9	3	—	9a. 9p. 2 9a. 9p.
24	098	038	68°4	63°9	52°7	74°9	469	500	67	84	Calm 0	Calm 0	5	4	—	9a. 9p. 2 9a. 9p.
25	086	119	68°6	64°6	53°7	77°5	446	456	64	76	Calm 0	N 1	3	10	—	9a. 9p. 2 9a. 9p.
26	183	164	66°6	66°1	59°0	77°5	464	524	71	82	Calm 0	Calm 0	9	2	—	9a. 9p. 2 9a. 9p.
27	159	30°124	74°2	71°1	58°7	84°6	526	588	62	76	SE 1	Calm 0	0	0	—	9a. 9p. 2 9a. 9p.
28	30°064	29°964	78°7	70°6	60°6	84°2	628	535	64	71	Calm 0	SSE 2	0	0	—	9a. 9p. 2 9a. 9p.
29	886	910	77°5	67°8	62°9	81°6	601	431	63	63	E 2	Calm 0	0	3	—	9a. 9p. 2 9a. 9p.
30	893	819	65°9	59°6	56°0	77°6	461	456	73	89	ENE 2	ENE 2	1	1	115	9p. 3p.
31	29°845	29°908	64°7	63°2	52°9	72°0	439	459	72	79	E 1	Calm 0	3	7	—	9p. 3p.
Means	29°924	29°921	60°7	57°2	51°1	68°1	402	396	75°1	84°1	1°6	0°6	6°7	5°8	2°371	

CARMARTHEN.

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

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	63°	55°	43°	67°	in.	in.	%	%	Calm	o				ins.
2	29°982	29°985	61°	53°	51°	64°	412	410	74	94	SE	1	E	1	10	10
3	964	920	61°	53°	51°	64°	412	409	77	98	SE	1	E	1	10	10
4	926	850	62°	56°	53°	66°	465	439	82	95	SW	1	E	1	6	10
5	29°649	29°860	53°	52°	51°	60°	394	379	98	98	SW	3	NW	1	10	10
6	30°070	30°163	54°	53°	50°	62°	374	340	88	83	Calm	o	Calm	o	10	8
7	223	30°203	57°	54°	47°	64°	436	413	91	98	SW	1	Calm	o	10	10
8	30°110	29°910	57°	58°	53°	69°	425	444	89	90	S	1	SE	1	10	6
9	29°638	568	59°	54°	53°	64°	469	425	93	99	SE	1	SW	1	10	9
10	482	536	59°	54°	53°	64°	434	397	85	95	S	2	W	2	8	5
11	699	711	55°	54°	49°	63°	373	412	84	98	W	4	SW	1	9	9
12	332	435	58°	53°	52°	64°	457	399	94	98	SW	2	SW	4	10	10
13	476	741	54°	54°	51°	60°	384	404	90	96	W	3	W	1	10	6
14	821	868	58°	53°	49°	65°	415	391	84	91	SW	1	N	1	8	3
15	923	906	54°	54°	49°	63°	386	386	80	92	E	1	Calm	o	8	10
16	863	835	56°	49°	48°	65°	370	345	81	99	SE	2	Calm	o	9	0
17	844	830	62°	57°	42°	65°	433	348	78	93	S	1	Calm	o	7	0
18	858	913	59°	50°	44°	60°	404	351	80	96	N	1	Calm	o	9	0
19	904	29°937	62°	51°	41°	66°	394	353	69	91	Calm	o	Calm	o	5	0
20	29°996	30°080	62°	48°	42°	67°	410	328	74	96	W	1	Calm	o	6	0
21	30°031	024	62°	57°	42°	65°	397	424	70	90	W	1	S	1	9	10
22	067	160	57°	56°	52°	61°	451	434	96	96	S	1	Calm	o	10	10
23	189	146	64°	55°	53°	69°	511	403	85	91	Calm	o	Calm	o	10	1
24	430	060	70°	58°	52°	72°	511	464	69	94	Calm	o	Calm	o	5	10
25	106	134	63°	58°	54°	70°	492	473	84	96	SW	1	Calm	o	9	10
26	176	178	65°	61°	57°	74°	526	494	83	91	Calm	o	Calm	o	6	2
27	121	30°104	75°	67°	55°	80°	637	558	73	84	SW	1	Calm	o	0	0
28	30°007	29°902	81°	68°	63°	85°	754	507	70	73	SE	1	E	1	0	0
29	29°854	882	70°	61°	60°	77°	622	512	83	96	S	1	Calm	o	4	1
30	842	805	72°	60°	60°	80°	568	453	72	87	E	1	E	1	0	1
30	29°846	29°906	70°	60°	57°	78°	596	512	80	97	E	1	S	1	0	10
Means	29°904	29°910	62°	56°	51°	68°	463	420	81°	93°	1°	1°	0°	5°	2°	990
<div>Κ 3.30p. ● 6p. Κ ☾ ● 4.40p.</div>																

MARLBOROUGH, WILTS.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

JUNE 1878.

1	30°021	30°047	50°	50°	49°	56°	364	333	99	90	Calm	o	NE	1	10	10	—	—	—
2	30°037	29°963	52°	54°	46°	60°	252	366	64	86	Calm	o	Calm	o	10	9	019	—	—
3	29°957	922	57°	55°	51°	66°	394	407	83	91	Calm	o	Calm	o	10	8	380	—	—
4	29°787	29°849	59°	54°	51°	62°	399	371	79	87	W	1	W	2	9	9	300	—	—
5	30°070	30°174	59°	51°	49°	57°	340	371	92	96	Calm	o	Calm	o	10	9	013	—	—
6	245	250	61°	54°	45°	67°	355	375	65	89	W	1	Calm	o	9	1	—	—	—
7	30°185	30°013	58°	57°	49°	68°	396	377	80	81	SW	1	Calm	o	9	10	—	—	—
8	29°783	29°621	61°	57°	50°	69°	444	409	82	85	SSE	1	SW	1	10	4	015	—	—
9	600	579	58°	51°	51°	63°	412	365	85	96	S	1	SW	1	9	10	160	—	—
10	762	821	56°	52°	48°	65°	356	367	79	92	SW	1	SW	2	9	2	462	—	—
11	545	540	53°	50°	50°	60°	410	313	100	85	SW	2	SW	2	10	1	131	—	—
12	567	761	56°	54°	47°	60°	393	357	87	84	SW	2	SW	1	9	10	440	—	—
13	855	857	58°	54°	48°	64°	369	384	75	90	SW	1	E	1	7	9	362	—	—
14	921	930	49°	50°	47°	57°	286	296	82	80	NE	1	NE	1	10	10	—	—	—
15	909	868	54°	50°	41°	62°	255	339	60	91	NE	1	Calm	o	1	3	—	—	—
16	847	840	56°	53°	47°	66°	374	346	83	84	N	1	Calm	o	9	0	235	—	—
17	870	905	54°	51°	40°	63°	360	364	86	95	Calm	o	Calm	o	10	10	320	—	—
18	926	29°947	57°	53°	46°	65°	378	382	80	94	Calm	o	Calm	o	9	7	671	—	—
19	29°986	30°056	60°	56°	46°	69°	367	389	71	87	Calm	o	Calm	o	8	9	—	—	—
20	30°067	096	64°	54°	52°	71°	418	343	70	81	S	1	S	1	4	1	—	—	—
21	113	170	65°	58°	48°	73°	375	343	61	70	S	1	SW	1	7	1	—	—	—
22	210	163	68°	62°	49°	77°	382	447	54	79	Calm	o	Calm	o	2	2	—	—	—
23	116	073	70°	65°	60°	77°	465	531	64	86	E	1	Calm	o	9	5	—	—	—
24	112	136	69°	65°	55°	79°	473	514	65	83	W	1	Calm	o	2	9	—	—	—
25	194	197	70°	64°	60°	80°	491	447	66	74	Calm	o	Calm	o	9	2	—	—	—
26	185	30°165	77°	69°	55°	84°	562	598	60	83	S	1	Calm	o	1	1	—	—	—
27	30°090	29°997	78°	70°	60°	84°	572	588	59	79	SE	1	E	1	0	0	—	—	—
28	29°910	919	74°	67°	60°	82°	633	528	74	80	E	1	NE	1	0	1	—	—	—
29	868	822	68°	60°	60°	78°	541	465	77	88	NE	1	Calm	o	1	9	290	—	—
30	29°836	29°924	58°	58°	55°	70°	441	470	90	95	N	1	Calm	o	9	9	180	—	—
Means	29°952	29°954	61°	57°	51°	69°	409	406	75°	86°	0°	0°	7°	6°	5°	978	—	—	—

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	57°	50°	45°	59°	in.	in.	%	%	E	2	SE	1	10	3	ins.	—	∞ and ☼ all day.	
2	30°015	30°054	55°	53°	43°	64°	382	353	81	96	SE	1	SE	1	7	6	—	—	T 10.45a.	
3	29°945	29°963	60°	55°	50°	66°	416	374	79	85	W	1	SW	1	10	7	320	—	—	
4	29°808	29°836	61°	56°	51°	65°	415	393	77	87	SW	3	SW	3	9	9	089	—	☁. Rough, showery.	
5	30°063	30°170	54°	47°	47°	58°	385	339	62	99	NW	2	Calm	0	10	10	160	—	☁ 2p.	
6	245	237	60°	56°	43°	69°	349	413	66	89	NW	1	SW	1	1	2	—	—	—	
7	30°202	30°027	60°	53°	47°	67°	421	366	80	88	SW	2	S	1	8	10	—	—	Warm. Threatening for change.	
8	29°802	29°689	63°	57°	50°	69°	467	403	86	86	SE	1	SW	2	10	2	015	—	T 3p.	
9	635	273	62°	54°	50°	65°	377	374	68	90	SW	3	SW	2	8	10	020	—	Rough, showery ☁.	
10	766	921	57°	53°	49°	65°	318	351	67	86	SW	3-4	SW	2	6	3	191	—	Squalls a. ☁ 3p.	
11	598	552	55°	52°	50°	60°	404	333	93	83	S	3	SW	2	10	7	218	—	☉ 2 ☁ 3p.	
12	603	740	54°	54°	47°	63°	381	360	89	85	SW	3	SW	3	10	6	047	—	Rough ☁ 3p.	
13	861	860	62°	53°	47°	66°	400	394	71	96	W	2	E	1	5	10	035	—	Close and dull.	
14	908	913	50°	51°	47°	59°	315	306	86	80	E	3	E	1	10	10	—	—	☁ 9a. Dull and chilly 3p. Wind sud-	
15	905	867	55°	51°	38°	64°	301	338	69	87	E	1	SW	1	8	10	—	—	[denly backed from W-E, 7.30p.	
16	839	831	54°	52°	47°	64°	391	365	93	93	SW	1	N	1	10	10	026	—	☉ 3.30p.—3.35p. T ☁☁☁.	
17	875	895	53°	51°	44°	65°	360	373	88	92	NW	1	SW	1	10	10	022	—	☁☁☁ 9a. and 9p. ☉ 1.5p.	
18	912	29°036	61°	51°	44°	66°	386	367	72	97	SW	1	SW	1	9	10	136	—	T 7.15p.	
19	29°976	30°045	60°	52°	46°	70°	418	381	80	87	W	1	Calm	0	7	0	—	—	☁ 9p.	
20	30°073	29°97	65°	53°	42°	73°	467	335	76	82	SW	1	SW	1	6	0	—	—	Fine p.	
21	132	174	67°	55°	46°	75°	425	404	63	93	S	3	Calm	0	7	1	—	—	Fine p.	
22	213	131	70°	58°	44°	78°	441	449	59	92	SW	1	SW	1	5	0	—	—	Hot and fine.	
23	213	068	70°	63°	51°	81°	441	537	73	91	Calm	0	Calm	0	5	4	—	—	Hot and fine. T.	
24	102	132	72°	65°	53°	82°	522	548	66	87	SW	1	SW	1	0	10	—	—	Hot and fine.	
25	191	206	72°	63°	60°	82°	550	498	66	85	SW	1	S	1	0	0	—	—	Hot and fine. [stratus p.	
26	197	128	79°	69°	50°	89°	610	626	62	86	S	1	S	1	1	4	—	—	Hot, close. T. Heavy nimbus, and	
27	30°102	30°006	80°	70°	58°	87°	588	556	56	74	SE	2	SE	1	0	0	—	—	☁☁☁ 5.30a. Hot day with cool breeze.	
28	29°931	29°916	79°	66°	56°	85°	611	512	60	80	SE	2	E	2	0	0	—	—	☁☁☁ 6a. Fine, hot. Cool breeze p.	
29	861	801	74°	64°	53°	80°	555	558	65	59	E	1	E	1	3	5	043	—	Hot and close. ☁. T 3p. ☉ 4.20p.	
30	29°799	29°913	62°	61°	52°	74°	473	501	84	93	NW	2	Calm	0	10	10	017	—	[☉. Cold wind. T before 9a. Close. Showery.	
Means	29°958	29°955	63°	56°	48°	70°	434	409	74°	87°	1°	7	1°	1	6°	5°	1°	339	—	—

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. $1^{\circ} 24' W.$ Lat. $50^{\circ} 55' N.$

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	Min.	Max.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.			
1	ins.	ins.	58°5	50°7	46°0	64°1	in.	in.	%	%					ins.		
2	29°998	29°035	58°5	50°7	46°0	64°1	349	334	72	90	N	1	SE	1	10	10	Day fine and pleasant, cool wind.
3	30°010	29°050	56°6	55°2	47°6	59°4	321	347	70	80	E	2	SE	1	10	10	Beautiful day. [p.]
4	29°960	*922	59°7	56°0	53°5	61°1	360	391	71	87	SW	1	SW	1	9	10	Day fine and pleasant. Night fine with
5	29°824	29°883	59°8	56°5	53°2	66°6	354	392	69	86	SW	3	SW	5	10	10	Beautiful day. ∞° 9.30p.
6	30°067	30°168	53°4	54°3	51°8	64°1	347	402	85	95	N	1	Calm	0	10	9	Beautiful day.
7	*249	30°338	61°8	55°0	48°7	61°8	367	381	67	88	NW	1	SW	0°5	8	2	Beautiful day.
8	30°189	29°993	61°4	56°6	51°7	65°0	349	365	64	79	SE	1	SE	3	9	9	Beautiful day.
9	29°768	*664	64°6	57°8	55°4	67°5	423	421	70	87	SE	2	SW	2	10	9	Beautiful day.
10	*633	*622	60°5	55°3	54°7	67°9	493	372	77	85	SW	3	SW	5	9	10	p.
11	*798	*837	58°9	55°2	51°3	62°3	309	390	62	90	SW	3	SW	1	9	8	Beautiful day, with p. [cool, p.]
12	*591	*598	56°2	53°2	54°0	64°0	390	325	88	80	SW	6	SW	4	10	0	all day. Fine and clear, but very
13	*623	*791	57°7	54°9	51°5	62°2	363	345	76	81	SW	6	SW	2	9	1	and increasing a.
14	*871	*852	59°3	53°0	48°5	61°1	361	358	72	89	SW	1	SW	0°1	10	2	Beautiful day. [wind.]
15	*878	*904	55°6	53°5	50°7	65°7	344	314	77	77	NE	3	NE	1	10	10	Day dull, but fine and pleasant, cold
16	*895	*869	58°3	52°4	48°4	59°9	258	333	53	85	E	1	SW	0°1	1	8	Beautiful day.
17	*854	*826	55°6	54°5	46°5	62°2	352	399	79	94	N	0°5	N	0°5	9	7	☀ about 0.30p. ☄ 4.30p. ☄ 5p. [succeeded by ☄ till 5.40p. Fine after.
18	*856	*890	59°4	54°5	50°7	63°3	381	390	75	92	NE	1	Calm	0	10	10	☄ 3.30p.—4.30p. with ☄ till 5.30p. [Night fine.]
19	*918	29°936	62°4	56°0	50°0	66°2	*411	*383	73	85	W	0°5	NW	0°5	9	9	Very close. ☄ 0° 11a. Fine p.
20	29°985	30°037	63°2	58°3	50°8	66°2	333	368	58	76	N	1	NW	2	7	8	Beautiful day.
21	30°076	*104	64°3	55°1	49°7	69°6	375	334	62	84	SW	0°5	SW	0°5	3	1	Beautiful day and night.
22	*125	*168	68°3	59°2	51°0	68°3	*418	*373	60	74	SE	3	SW	0°5	6	1	Beautiful day and night.
23	*204	*143	70°6	61°2	50°4	72°5	*352	*425	47	79	S	1	SW	0°1	2	7	Beautiful day and night.
24	*098	*068	75°1	65°7	56°5	75°8	*422	*507	49	81	S	0°5	SW	0°5	7	5	Beautiful a. Very warm day. [night.]
25	*095	*134	72°4	67°2	57°4	77°6	*473	*474	59	71	SW	1	SW	0°5	7	10	Beautiful day and night, but very warm.
26	*189	*190	72°2	64°9	60°9	78°5	*382	*460	48	75	SW	1	Calm	0	7	1	Beautiful day and night, but very warm.
27	*180	30°147	78°5	70°2	57°7	79°5	*572	*599	59	81	SW	1	SE	0°5	2	0	Very hot day.
28	30°085	29°958	78°9	72°2	62°6	84°0	*476	*518	48	65	SE	3	E	2	0	0	Very warm but with pleasant breeze.
29	29°898	*873	78°5	69°2	67°0	83°4	*521	*478	54	66	SE	3	NE	1	1	1	Beautiful day. Very hot, with pleasant [breeze and clouds of dust.]
30	*835	*785	77°3	59°9	59°5	81°9	*462	*448	50	88	NE	1	SE	0°1	1	9	☀ 0.30p.—1.30p. ☄ 5.30p. ☄ 6p. Then ☄ 2° 2° (very heavy) [7p.—8.30p. Then fine.]
Means	29°952	29°950	64°1	58°3	53°1	68°7	*389	*404	65°7	82°6	1°8	1°2	7°2	6°2	1°733		Distant ☄ at intervals. Day dull, but [pleasant and cool]

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. $0^{\circ} 38' \text{ E.}$ Lat. $50^{\circ} 52' \text{ N.}$

JUNE 1878.

	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29° 9'6"	30° 0'6"	56° 7'	48° 1'	47° 0'	58° 0'	355	282	77	84	NE	2	NE	1	10	Fine, but cloudy with ☉ ^{0a} .
2	30° 0'6"	29° 9'74"	53° 0'	52° 0'	47° 4'	59° 5'	281	345	70	80	E	2	ENE	3	9	Fine till evening, then ☉ ⁰ . Clouds [from W.]
3	29° 9'43"	29° 9'44"	58° 9'	52° 5'	51° 7'	62° 4'	423	381	85	96	SW	1	W	0-1	10	Fine.
4	29° 8'41"	29° 8'60"	56° 4'	55° 0'	51° 0'	63° 0'	443	392	97	91	SW	4	WSW	7	10	Fine after noon. Windy at night.
5	30° 0'28"	30° 1'71"	53° 0'	53° 0'	51° 9'	58° 0'	342	380	85	94	NNW	2	SW	0-1	10	Overcast, gloomy day, with ☉ and Fine. [drizzle at times.]
6	235	250	56° 7'	53° 9'	46° 1'	63° 0'	405	387	87	93	SSW	2	WNW	1	10	○ in afternoon. Fine and hot.
7	30° 1'27"	30° 0'54"	58° 3'	54° 2'	49° 4'	66° 0'	438	330	89	72	SW	2	E	2	8	☉ ² ☉ ² 4.10p. ○ p.
8	29° 8'53"	29° 6'67"	61° 1'	58° 7'	55° 5'	69° 9'	409	462	76	94	SE	1	W	2	4	Bar. falling all day, showery at times. Fine. [Wind rose p.
9	717	626	58° 5'	55° 6'	54° 4'	63° 0'	417	372	85	84	SSW	3	SW	7	8	☉ ² ☉ ² at times all day.
10	805	885	56° 7'	54° 2'	53° 8'	60° 0'	373	385	81	92	SW	6-7	WSW	5	10	☉ ² ☉ ² during day with ☉ at times.
11	720	613	54° 5'	54° 4'	52° 8'	60° 2'	387	304	91	86	SSW	5	SW	7	10	○ 9a. Fine.
12	673	771	56° 8'	55° 4'	53° 2'	61° 2'	375	393	81	90	SW	6-7	SW-WSW	6	1	Fine, but cold.
13	877	875	58° 6'	54° 0'	50° 4'	60° 2'	388	388	79	93	SW	4	Calm	0	9	☉ ^{0a} . Fine.
14	859	890	53° 9'	48° 0'	47° 4'	57° 5'	346	265	84	80	NE	6	NE	4	10	☉ ^{0a} . Fine.
15	884	883	54° 2'	50° 3'	45° 6'	60° 0'	257	311	61	85	NNE	3	Calm	0	9	Fine.
16	846	826	52° 0'	53° 6'	47° 6'	57° 5'	340	369	87	90	W	1	NNW	3	10	☉ ² 3.45p. T in aft.
17	857	901	55° 5'	53° 8'	49° 2'	61° 0'	344	366	78	88	NE	2	Calm	0	10	T 1p.--2p.
18	923	29° 9'38"	61° 5'	54° 9'	49° 3'	65° 1'	370	338	68	91	SE	1	SSW	2	5	Fine and hot.
19	29° 9'62"	30° 0'28"	59° 5'	55° 8'	51° 2'	64° 8'	424	405	84	91	SSW	2	Calm	0	10	T 2.40p.
20	30° 0'70"	30° 1'14"	62° 0'	52° 3'	50° 4'	65° 8'	430	330	78	83	SSW	1	NE	0-1	0	Very fine and warm.
21	156	176	64° 8'	59° 3'	48° 8'	71° 3'	349	380	57	75	S	1	Calm	0	6	Very fine and hot. Evg. obs. taken at [9.30p.]
22	210	158	71° 5'	62° 9'	54° 2'	74° 7'	394	388	51	67	ESE	1	E	2	1	Very fine and hot.
23	110	089	72° 6'	63° 1'	61° 2'	80° 0'	389	419	48	72	E	2	ENE	1	5	Very fine and hot.
24	106	137	73° 4'	65° 7'	60° 9'	79° 4'	520	436	63	70	SE	1	Calm	0	0	☉ ^{2a} . Very fine and hot.
25	181	202	72° 8'	67° 5'	63° 2'	78° 1'	502	459	63	67	NE	0-1	Calm	0	10	Very fine and hot.
26	198	30° 1'56"	78° 5'	73° 1'	65° 3'	82° 7'	605	504	62	63	E	0-1	E	1	0	Very fine and hot.
27	30° 1'16"	29° 9'96"	76° 6'	71° 6'	68° 3'	83° 7'	440	485	49	63	E	0-1	ENE	5	0	Very fine and hot.
28	29° 9'46"	29° 8'60"	73° 8'	65° 0'	65° 0'	79° 1'	480	438	58	72	ENE	2	NE	5	0	Very fine, but windy. [☉.
29	846	783	71° 4'	62° 7'	61° 1'	76° 1'	469	380	60	67	NE	4	NE	4	9	Fine, but became gloomy at night with ☉ ² showers.
30	29° 7'59"	29° 8'85"	60° 6'	61° 0'	57° 5'	67° 7'	499	513	94	66	NW	1	NNE	1	10	Overcast day with ☉ ² showers. [Wind very changeable. T (com- [municated.]
Means	29° 9'67"	29° 9'61"	61° 8'	57° 5'	53° 7'	67° 0'	406	390	74° 3'	82° 6'	2° 4'		2° 4'	6° 5'	5° 4'	1° 1'70"

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. $3^{\circ} 59' W.$ Lat. $50^{\circ} 33' N.$

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	59°5	47°8	45°0	61°3	in.	in.	°/o	°/o	W	1	E	1	7	10	ins. °40
2	29°970	30°015	59°5	47°8	45°0	61°3	°340	°312	67	94	SE	3	Calm	0	10	10	Lurid, thundery appearance, smoke
3	°962	29°927	50°4	50°4	46°4	51°0	°366	°366	100	100	W	1	S	1	10	10	— p. °°° 9p. [drifting in every direction.
4	°978	°913	52°8	51°4	45°0	58°4	°400	°327	100	86	W	1	S	1	10	10	°280
5	29°812	29°946	52°0	50°0	49°0	55°4	°371	°345	96	96	W	5	W	2	10	10	°070
6	30°071	30°214	52°4	50°0	48°0	56°6	°366	°345	93	96	W	2	NW	1	10	10	°090
7	°204	30°254	55°6	49°4	48°0	59°0	°319	°327	72	93	Calm	0	Calm	0	10	3	—
8	30°121	29°935	55°8	54°4	49°4	64°3	°340	°356	76	84	SSE	5	SSE	4	7	8	°010
9	29°658	°616	61°3	51°8	51°4	62°4	°365	°385	67	100	S	3	SW	4	10	10	°180
10	°541	°637	50°8	48°4	47°0	52°8	°371	°340	100	100	SW	4	W	5	10	10	°700
11	°808	°804	50°8	49°8	44°0	53°4	°315	°358	85	100	W	5	SW	4	10	10	°1790
12	°422	°566	50°6	45°8	45°5	52°4	°369	°275	100	89	SW	6	WSW	5	10	9	°230
13	°593	°843	49°4	48°0	45°0	52°4	°353	°309	100	93	W	4	W	3	10	10	°160
14	°854	°837	52°8	46°8	46°0	55°0	°289	°301	72	94	W	1	SE	2	6	4	°010
15	°873	°920	49°8	49°4	42°0	58°4	°342	°343	95	97	E	5	S	1	10	10	°470
16	°890	°856	49°8	48°8	47°0	54°4	°336	°324	94	94	SE	1	Calm	0	10	10	°270
17	°844	°887	57°4	49°4	42°5	58°4	°333	°338	70	96	W	1	N	1	6	2	°320
18	°839	°924	60°4	49°4	45°2	65°0	°340	°331	64	94	Calm	0	Calm	0	5	4	°140
19	29°898	29°968	58°4	48°8	44°8	59°0	°323	°308	66	90	Calm	0	Calm	0	5	8	—
20	30°006	30°099	55°0	47°4	46°0	58°6	°334	°294	77	90	W	4	Calm	0	7	0	—
21	°080	°101	55°4	50°4	43°0	56°8	°323	°339	74	93	S	1	S	1	8	0	—
22	°093	°172	59°4	54°6	49°5	62°4	°356	°379	70	89	S	1	Calm	0	0	7	—
23	°170	°181	63°2	56°4	60°5	68°0	°297	°384	51	85	Calm	0	Calm	0	7	8	—
24	°085	°101	67°0	56°6	54°2	70°3	°407	°377	62	82	Calm	0	Calm	0	5	0	—
25	°097	°160	64°6	57°0	53°6	68°2	°401	°434	66	93	Calm	0	W	1	0	10	—
26	°162	°206	67°0	58°6	53°0	70°7	°453	°385	68	78	Calm	0	Calm	0	3	0	—
27	°117	30°151	73°8	61°2	54°0	78°0	°516	°473	62	88	E	1	Calm	0	0	0	—
28	30°012	29°942	75°2	59°6	58°4	76°0	°487	°434	55	85	Calm	0	Calm	0	0	0	°010
29	29°892	°892	55°4	57°2	54°4	68°0	°439	°416	100	88	W	3	Calm	0	10	1	°040
30	°811	°804	62°2	57°2	53°0	71°7	°459	°374	82	80	NE	4	E	2	9	0	—
31	29°830	29°943	60°2	53°4	52°4	64°5	°421	°379	81	93	E	1	Calm	0	7	8	°980
Means	29°926	29°960	57°6	52°0	48°5	61°4	°371	°355	78°8	91°3	2°1		1°3	7°1	6°1	6°050	[T peaks to the S. K °40p. with °2 (°9 in. in 20 mins.) and Δ °.

BABBACOMBE.

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

JUNE 1878.

1	29° 9'6"	30° 02'1"	57° 3'	52° 4'	46° 1'	61° 9'	*371	*366	79	93	NE 1	ESE 2	0	9	*220	$\overline{\text{D}}$ n. ∞ to 8a.	
2	*072	29° 9'33"	52° 0'	52° 2'	51° 0'	53° 8'	*379	*379	98	98	ESE 2	Calmo	0	10	*080	all day.	
3	*072	*904	60° 8'	54° 4'	48° 0'	64° 1'	*397	*356	75	84	SSE 2	SSW 2	7	10	*080	$\overline{\text{D}}$ before ga.	
4	29° 8'07"	29° 9'31"	58° 4'	54° 5'	53° 1'	63° 1'	*399	*365	81	86	SW 3	WSW 3	9	8	—	—	
5	30° 0'66"	30° 1° 9"	59° 8'	54° 4'	52° 0'	65° 8'	*381	*366	74	87	NW 1	W 2	8	8	*060	—	
6	*265	30° 2° 48"	56° 7'	52° 6'	52° 0'	66° 8'	*393	*356	85	90	SE 1	WSW 1	8	5	—	$\overline{\text{D}}$ p.	
7	30° 1° 49"	29° 9° 46"	59° 8'	56° 8'	52° 1'	64° 3'	*389	*391	76	85	ESE 2	ESE 3	7	9	*020	$\overline{\text{D}}$ before ga. \odot 9.14a.—11a.	
8	29° 6° 94"	*043	60° 4'	56° 0'	55° 2'	65° 6'	*427	*401	82	89	SE 2	WSW 3	9	9	*380	Wind S 11a., S.W. 2.30p.	
9	*573	*046	52° 6'	51° 9'	51° 9'	60° 6'	*382	*349	97	91	SSW 2	W 4	10	2	*210	\odot 4.35p. and 7p.	
10	*786	*803	58° 5'	53° 9'	49° 0'	62° 8'	*336	*384	69	93	WSW 5	SW 3	6	9	*560	\odot 2p.—2.15p.	
11	*471	*592	56° 0'	50° 4'	50° 2'	59° 3'	*407	*297	91	82	SSW 6	WSW 4	10	2	*110	\odot 2. with squalls a. and p.	
12	*596	*839	55° 9'	50° 9'	50° 0'	63° 0'	*382	*316	86	85	WSW 3	W 3	8	1	*020	$\overline{\text{D}}$ after gp.	
13	*861	*840	61° 1'	52° 1'	49° 1'	60° 5'	*374	*370	70	95	SSW 1	Calmo	0	7	*010	$\overline{\text{D}}$ before ga. and after gp.	
14	*875	*916	52° 0'	54° 6'	47° 4'	58° 5'	*345	*344	89	81	ENE 3	Calmo	0	9	*100	$\overline{\text{D}}$ a. and p. $\overline{\text{D}}$ before ga.	
15	*894	*848	53° 8'	53° 5'	50° 1'	60° 8'	*361	*399	86	98	Calmo	0	8	9	*090	T (in W.) 3.21p.	
16	*865	*858	56° 8'	53° 7'	48° 1'	65° 1'	*391	*367	84	89	NE 1	NW 1	8	1	*130	$\overline{\text{D}}$ before ga. \smile 7p. $\overline{\text{D}}$ gp.	
17	*860	*908	60° 8'	55° 8'	49° 2'	64° 9'	*373	*389	71	87	ENE 1	NW 2	2	6	*010	$\overline{\text{D}}$ before ga.	
18	29° 9° 25"	29° 9° 66"	59° 7'	53° 6'	51° 0'	66° 1'	*370	*353	73	86	NE 1	Calmo	0	1	9	*570	$\overline{\text{D}}$ after 8p.
19	30° 0° 05"	30° 0° 77"	62° 8'	52° 7'	47° 2'	64° 3'	*400	*339	70	85	WNW 2	WNW 2	3	1	*080	$\overline{\text{D}}$ n. and after 8p.	
20	*080	*098	62° 7'	52° 8'	47° 1'	65° 5'	*375	*361	66	90	SW 3	SSW 2	3	—	—	$\overline{\text{D}}$ before ga. and after gp.	
21	*108	*178	62° 3'	56° 7'	52° 8'	69° 4'	*425	*384	76	84	Calmo	0	4	—	—	$\overline{\text{D}}$ n.	
22	*212	*163	61° 5'	58° 2'	52° 9'	65° 6'	*451	*407	83	84	NE 2	Calmo	0	3	5	—	\odot 10.30a.—11a
23	*112	*077	63° 8'	59° 9'	56° 5'	68° 6'	*469	*439	69	86	ENE 1	Calmo	0	9	0	—	$\overline{\text{D}}$ before ga.
24	*118	*149	65° 4'	61° 1'	53° 8'	72° 8'	*475	*477	77	89	NE 1	SW 1	4	9	—	$\overline{\text{D}}$ after gp.	
25	*206	*193	65° 8'	61° 8'	56° 7'	69° 0'	*479	*496	76	90	E 1	Calmo	0	3	5	—	n. and after 8p. $\overline{\text{D}}$ after gp. $\overline{\text{D}}$
26	*165	30° 1° 35"	66° 2'	63° 9'	59° 9'	69° 4'	*489	*572	77	97	ENE 2	NE 1	2	0	—	$\overline{\text{D}}$ n. and after gp. $\overline{\text{D}}$ a. and p. \angle 0	
27	30° 0° 52"	29° 9° 27"	67° 8'	64° 2'	63° 2'	70° 1'	*550	*505	81	84	ENE 2	ENE 2	0	2	—	[at times in W. after 10.45p.	
28	29° 8° 70"	*866	64° 7'	63° 8'	62° 5'	66° 8'	*518	*451	86	76	NE 3	N 2	7	2	*030	$\overline{\text{D}}$ n. $\overline{\text{D}}$ a. and p. \angle in W. [11p.	
29	*827	*777	65° 3'	63° 3'	59° 8'	69° 6'	*480	*422	82	72	NE 2	NE 3	7	8	—	Distant T^0 1.5p. \angle in S.S.W. \angle 4.5p.	
30	29° 8° 25"	29° 9° 48"	68° 8'	58° 0'	70° 8'	*483	*421	68	87	NNE 1	Calmo	0	6	5	—	$\overline{\text{D}}$ after 11p. [—11.15p. \angle in W. [to 11.30p.	
Means	29° 9° 40"	29° 9° 54"	60° 3'	56° 0'	52° 5'	65° 0'	*413	*394	79° 2'	87° 4'	1° 9'	1° 7'	6° 0'	5° 4'	2° 760		

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	64.8	56.2	51.8	60.8	ins.	ins.	64	79	NE 2	ENE 3	0	10	ins.	[☉ at night.
2	29.987	29.983	61.0	55.6	54.4	66.3	.448	.420	84	95	E by S 2	NW 1	6	10	—	☉ before 9a. Very fine to 3p. ☉ 5p.
3	30.031	29.971	61.1	59.3	52.2	65.0	.435	.406	77	87	SW 1	SW 1	4	10	.013	Coloured ☉ 2.30p.-4p. Bar. very steady. ☉ p.
4	29.939	30.049	59.2	55.2	54.6	63.1	.414	.407	83	93	WSW 5	W 4	5	8	—	☉ 6.30a.—about 11a. Day calm, fair.
5	30.148	.258	59.0	54.3	53.5	63.0	.410	.402	83	95	W by S 3	W 1	8	2	—	in squalls a. ☉ 9p.
6	.338	.317	58.2	54.5	52.3	63.8	.421	.352	87	83	W 2	Calm 0	10	0	—	Squalls before 9a. ☉ 9p.
7	30.213	30.008	64.2	63.9	53.0	68.8	.437	.404	73	68	SE 2	SE 1	2	7	—	☉ a. ☉ 9p.
8	29.760	29.770	63.7	58.2	58.0	68.4	.429	.430	73	88	SE 3	SW 3	10	5	.035	☉ 6.45a. & 6.15p.
9	.711	.790	57.4	55.2	54.0	64.3	.412	.370	87	85	S 4	Why S 4	6	2	.043	☉ 10.25a. and at times p.
10	.936	.932	58.5	56.1	50.6	62.8	.389	.410	80	90	SW 4	S 1	5	1	.187	☉ in squalls all day. Bar. 29.685 at 2p.
11	.676	.735	57.3	54.5	53.3	63.7	.357	.357	87	85	S 6	W 3	10	3	.067	☉ 4.15p. and 5.15p
12	.774	.957	58.7	54.4	52.7	61.1	.366	.378	75	90	SW 5	W 4	5	1	.012	☉ in squalls a. Partial ☉ at times p.
13	.949	.857	57.2	55.2	53.1	62.3	.406	.395	87	91	S 2	Calm 0	10	10	.157	☉ n. Squalls all day. Bar. 29.622 at 3p.
14	.828	.907	57.4	53.3	52.5	58.9	.417	.354	89	87	NE 2	NE 2	10	10	.238	☉ in squalls a. ☉ 9p.
15	.940	.906	55.6	53.3	50.0	63.1	.344	.376	77	92	NE 1	Calm 0	10	8	.001	☉ Wind backed to SE p.
16	.894	.911	60.1	55.2	49.7	65.2	.368	.404	71	93	Calm 0	W 1	5	9	—	☉ ☉ 4p. Wheat in ear. ☉ p.
17	.896	29.943	59.9	53.5	52.6	64.9	.384	.382	75	94	W 2	N by E 1	7	1	—	☉ a. ☉ 11.45p.
18	29.967	30.014	58.5	53.3	50.7	64.1	.408	.357	84	88	SW 2	NW 1	9	9	—	☉ ☉ 4p. ☉ p.
19	30.063	.131	61.9	54.3	52.6	64.2	.395	.387	72	92	NW 2	Calm 0	4	0	—	☉ Day fine. ☉ 9p. Calm at times.
20	.152	.136	60.2	59.5	51.1	66.9	.410	.377	79	75	SW 2	E 1	1	4	—	☉ Day fine. ☉ 9p.
21	.163	.195	65.8	62.0	56.0	71.0	.440	.394	70	71	E 1	N by E 1	4	2	—	☉ ☉ before 9a. Wind backed to SE and
22	.212	.175	72.2	65.1	58.7	76.3	.441	.440	55	72	Calm 0	Calm 0	4	3	—	☉ ☉ before 9a. Wind backed to SE and
23	.126	.115	72.1	63.1	62.2	78.3	.520	.502	66	87	Calm 0	NW 1	1	1	—	☉ ☉ before 9a. Wind backed to SE and
24	.153	.202	67.6	61.2	58.0	73.2	.521	.459	77	85	W 1	Calm 0	9	9	—	☉ ☉ before 9a. Wind backed to SE and
25	.228	.200	72.7	67.1	58.3	79.2	.491	.461	61	70	E 2	Calm 0	3	0	—	☉ ☉ before 9a. Wind backed to SE and
26	.199	30.143	77.0	72.8	66.1	84.1	.550	.575	59	71	E 1	NE 2	0	0	—	☉ ☉ before 9a. Wind backed to SE and
27	30.072	29.949	76.4	72.3	68.3	81.7	.531	.471	59	59	E 3	E 1	0	0	—	☉ ☉ before 9a. Wind backed to SE and
28	29.909	.874	65.3	60.1	60.0	73.0	.568	.490	91	94	NW 2	NW 2	10	5	—	☉ ☉ before 9a. Wind backed to SE and
29	.847	29.835	63.0	58.1	57.5	68.0	.475	.468	86	97	SW 3	SW 4	10	10	.900	☉ ☉ before 9a. Wind backed to SE and
30	29.903	30.014	56.6	55.2	55.0	61.6	.446	.413	97	95	WSW 4	Calm 0	10	1	.383	☉ ☉ before 9a. Wind backed to SE and
Means	30.001	30.010	62.7	58.4	55.1	67.9	.435	.414	76.9	85.0	2.3	1.4	5.9	4.7	2.568	☉ ☉ before 9a. Wind backed to SE and

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

JUNE 1878.

1	30.031	29.970	55.9	53.5	37.1	64.0	.290	.319	65	78	E 1	ESE 2	0	3	—	☉ ☉ before 9a. ☉ 9p.
2	29.923	.902	59.0	53.6	41.7	64.6	.377	.342	76	83	ESE 2	ESE 1	4	8	—	☉ ☉ before 9a. ☉ 9p.
3	.884	.856	61.2	55.0	42.1	69.1	.425	.400	79	92	E 1	ESE 1	5	10	.820	☉ ☉ before 9a. ☉ 9p.
4	29.745	29.930	54.1	51.1	50.3	56.5	.384	.355	91	94	ENE 2	Calm 0	10	7	.039	☉ ☉ before 9a. ☉ 9p.
5	30.060	30.132	57.8	54.8	45.7	64.4	.372	.395	78	92	ESE 2	WNW 1	5	8	.004	☉ ☉ before 9a. ☉ 9p.
6	30.173	30.042	58.2	55.3	49.2	65.7	.369	.405	76	92	E 2	SE 2	4	10	.304	☉ ☉ before 9a. ☉ 9p.
7	29.877	29.709	59.0	54.7	54.3	63.4	.413	.385	83	90	ESE 4	SE 3	8	10	.040	☉ ☉ before 9a. ☉ 9p.
8	.612	.474	57.2	53.0	49.8	62.0	.378	.352	81	87	SE 1	Calm 0	10	9	—	☉ ☉ before 9a. ☉ 9p.
9	.433	.368	58.3	52.1	42.9	64.2	.392	.339	80	86	WSW 2	SSE 2	8	8	.032	☉ ☉ before 9a. ☉ 9p.
10	.488	.567	55.3	51.3	50.1	61.6	.325	.342	74	90	SW 2	S 1	9	8	.247	☉ ☉ before 9a. ☉ 9p.
11	.267	.320	51.3	50.8	47.0	56.0	.349	.348	92	93	ENE 3	E 1	10	10	.468	☉ ☉ before 9a. ☉ 9p.
12	.567	.740	55.7	52.3	49.9	57.9	.346	.334	78	85	NNW 4	Calm 0	7	9	.002	☉ ☉ before 9a. ☉ 9p.
13	.810	.918	58.0	50.1	49.5	61.4	.325	.316	68	87	NE 1	E 1	8	4	—	☉ ☉ before 9a. ☉ 9p.
14	.935	.863	57.1	52.0	47.5	63.3	.345	.310	74	80	ESE 3	SE 2	9	10	.017	☉ ☉ before 9a. ☉ 9p.
15	.773	.802	61.2	54.3	47.9	67.4	.376	.387	70	92	SSE 2	N 1	6	6	.001	☉ ☉ before 9a. ☉ 9p.
16	.890	.945	52.4	51.9	51.5	58.7	.358	.273	91	72	WNW 4	NW 1	10	10	.001	☉ ☉ before 9a. ☉ 9p.
17	.934	.920	51.1	51.9	38.3	60.9	.340	.324	90	84	W 3	Calm 0	7	9	.017	☉ ☉ before 9a. ☉ 9p.
18	.859	.926	57.2	52.9	47.3	61.4	.378	.326	81	82	S 1	WNW 1	9	10	.004	☉ ☉ before 9a. ☉ 9p.
19	.985	.971	59.3	55.5	41.7	66.1	.334	.370	66	84	SW 1	S 1	4	10	.004	☉ ☉ before 9a. ☉ 9p.
20	.782	29.859	56.2	52.0	50.4	60.0	.385	.361	85	93	SSE 4	Calm 0	10	10	.157	☉ ☉ before 9a. ☉ 9p.
21	29.990	30.111	54.1	51.3	39.1	64.0	.367	.324	87	85	SW 2	Calm 0	5	3	.005	☉ ☉ before 9a. ☉ 9p.
22	30.103	30.044	59.9	56.0	46.1	64.6	.343	.345	67	76	SSE 3	SE 2	6	10	.051	☉ ☉ before 9a. ☉ 9p.
23	30.011	29.926	55.8	57.1	52.7	63.1	.405	.436	90	93	SE 3	SE 1	10	9	.030	☉ ☉ before 9a. ☉ 9p.
24	29.928	29.967	62.0	59.2	55.5	62.3	.468	.467	84	94	SE 3	SSE 2	9	10	.026	☉ ☉ before 9a. ☉ 9p.
25	29.993	30.009	66.1	61.3	57.5	70.6	.445	.469	70	87	SE 3	SSE 3	5	10	.054	☉ ☉ before 9a. ☉ 9p.
26	30.015	30.073	62.0	56.1	55.6	64.6	.484	.445	87	86	SE 3	Calm 0	10	10	.065	☉ ☉ before 9a. ☉ 9p.
27	30.034	29.958	56.3	58.2	55.7	66.6	.448	.476	99	98	N 1	N 1	10	10	1.266	☉ ☉ before 9a. ☉ 9p.
28	29.831	.936	64.2	62.3	57.1	70.9	.561	.520	94	93	E 1	Calm 0	8	10	.139	☉ ☉ before 9a. ☉ 9p.
29	.923	.881	68.8	59.6	57.3	75.6	.492	.459	70	90	E 2	Calm 0	2	8	—	☉ ☉ before 9a. ☉ 9p.
30	29.922	29.941	68.8	64.0	54.0	71.9	.457	.473	65	79	E 1	E 2	1	5	—	☉ ☉ before 9a. ☉ 9p.
Means	29.859	29.869	58.5	54.8	48.8	64.1	.391	.380	79.7	87.6	2.2	1.1	7.0	8.5	4.693	☉ ☉ before 9a. ☉ 9p.

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

JUNE 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	55.1	52.2	42.8	60.8	.334	.337	76	86	NE 2	E 1	8	2	ins.	☉☉ 9a. and before. Very bright later.
2	29.960	.915	57.9	54.9	43.9	58.6	.376	.382	78	89	SE 2	SE 2	10	9	.026	
3	.920	.841	58.1	55.1	51.0	63.9	.392	.402	80	92	SSW 1	SE 1	9	7	.980	Occultation of Mars by the Moon 9.35 p.
4	29.685	29.926	53.5	51.2	51.0	55.8	.395	.338	96	90	E 3	NE 2	10	10	.020	☉☉ 2 early a. Bar. 29.678 at 7.30 a.
5	30.085	30.158	57.7	54.8	46.8	60.3	.338	.373	71	88	ENE 2	Calm 0	3	4	—	Brilliant morn. Very fine with ☉☉ p.
6	.199	30.147	59.7	58.0	52.9	64.1	.399	.370	78	77	W 2	S 1	7	10	.029	Sea breeze from 11 a.
7	30.020	29.820	58.9	57.8	55.7	62.0	.387	.395	77	82	SSW 2	S 3	10	9	.098	[6.30 p.
8	29.641	.494	56.3	55.1	54.9	58.8	.436	.405	96	93	ESE 2	W 2	10	8	.498	☉☉ 2 till 6 p., then finer. Bar. 29.452 at 7 a.
9	.444	.463	55.6	54.0	51.4	60.7	.386	.360	87	86	Calm 0	W 4	9	7	.317	☉☉ 2. Gloomy and threatening 9 a.
10	.551	.641	55.8	53.1	50.3	61.8	.355	.370	79	91	W by S 5	Calm 0	5	5	.625	[☉☉ 2 (280 in.) 9.30 a.—10 a.
11	.261	.240	54.1	53.9	50.8	58.5	.3	.395	93	95	S 2	WSW 2	10	10	.808	☉☉ 2 a. and p. Bar. 29.202 at 3 p.
12	.475	.718	55.3	55.0	52.5	61.3	.364	.375	83	87	WNW 4	WNW 2	9	4	.011	Showery after 7 p.
13	.812	.908	59.0	53.1	51.2	60.1	.364	.354	73	87	W 1	E 1	5	8	.247	Very fine morn. ☉☉ 2 noon—2 p.
14	.974	.920	55.1	51.9	51.0	58.0	.341	.331	78	87	ENE 3	SE 1	7	9	.040	[Then finer though chilly. ☉☉.
15	.827	.817	56.4	54.2	51.3	63.1	.413	.394	91	94	SSE 1	Calm 0	9	7	.445	☉☉ a. and p. Very fine in day.
16	.874	.890	57.6	55.2	49.2	61.4	.418	.401	87	92	NW 1	NW 3	9	9	.378	Distant T 4 p. ☉☉ 2 4 p.—6.30 p. ☉☉ 10 p.
17	.911	.918	55.3	56.1	51.1	61.5	.349	.332	80	73	NW 3	WNW 2	10	9	—	Sea breeze 11 a. Very ☉☉ 2 11.45 a.
18	29.995	29.932	57.8	55.7	52.0	62.3	.344	.359	72	81	WNW 2	W 1	9	8	—	[Much ☉☉ 4 p. Clear to seaward.
19	30.014	30.038	58.8	57.0	52.5	64.7	.320	.374	64	80	WNW 2	SW 2	3	6	—	Light SEly to Sly breeze from 10.30 a.
20	29.971	29.887	59.9	57.8	57.0	63.4	.350	.398	67	83	S 4	WSW 5	9	8	.042	Brilliant throughout. [☉☉ p.
21	30.036	30.142	61.0	58.0	54.0	65.0	.356	.410	67	85	W 2	Calm 0	6	6	—	Very bright early a. ☉☉ showers with ☉☉ p.
22	.178	.126	62.5	57.7	51.1	65.3	.305	.361	65	76	SSW 2	W 3	3	4	—	Sea breeze during the day.
23	.084	.014	62.6	59.9	53.1	65.0	.389	.452	70	88	S 1	WSW 1	8	7	.275	☉☉ 2 till 4 p. Very warm.
24	.034	.077	60.5	61.7	56.0	68.5	.487	.459	93	83	Calm 0	SSE 1	10	7	—	☉☉ 2 about 5 a. Cloudy, but fine and [warm all day.
25	.110	.132	66.6	61.9	59.1	72.0	.467	.426	72	77	SSE 2	S 1	5	4	—	Warm a. Beautifully fine p.
26	.129	30.103	65.2	64.4	56.9	73.6	.485	.483	79	80	SSE 2	Calm 0	8	4	.033	[at sea 6 a. Very warm a. ☉☉ p.
27	30.019	29.940	66.2	63.2	59.7	70.3	.544	.510	85	88	SE 3	ESE 2	6	7	.010	[☉☉ 7 a.—8.30 a. with ☉☉ 2 9 a. and [p. Distant T 11 a.—noon. ☉☉ 0 p.
28	29.887	.945	68.1	63.3	60.9	70.8	.506	.557	73	96	ESE 4	SE 2	7	10	.206	☉☉ n. Distant T inland noon—2 p.
29	.959	.871	63.2	60.6	58.0	66.9	.463	.394	80	74	E 4	E by N 3	8	2	—	[T ☉☉ 2 4 p. Sultry and oppressive.
30	29.927	29.958	64.7	60.6	56.2	66.8	.374	.436	61	83	E 3	ENE 2	3	10	—	Very fine day. ☉☉ throughout. Bar. [falling p.
Means	29.897	29.899	59.3	56.9	52.8	63.5	.396	.398	78.4	85.4	2.2	1.7	7.5	7.9	5.058	

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	57.8	57.1	56.0	58.0	ins.	ins.	70	79	SE 2	?	7	10	ins.	
2	29.971	29.930	53.0	51.6	48.4	59.0	.332	.309	70	89	Calm	ENE 2	10	8	.013	
3	29.970	30.057	53.9	50.0	48.5	65.7	.253	.329	61	92	N 3	NE 1	4	3	—	
4	30.022	29.908	57.1	54.5	41.7	61.0	.360	.405	77	96	WSW 3	WSW 3	10	10	.008	
5	29.823	.753	61.5	61.3	54.1	67.0	.509	.501	93	93	WSW 3	W 2	10	8	—	
6	.760	.834	62.3	57.7	56.0	66.0	.379	.370	68	78	W 3	W 2	5	5	.014	
7	29.850	29.972	60.0	55.2	55.0	65.0	.372	.418	72	96	WNW 4	W 1	9	5	—	
8	30.060	30.077	64.0	56.1	44.1	70.0	.366	.385	61	85	NE 1	NE 1	3	5	—	Curiously striated cirrus at ga.
9	29.853	29.753	56.0	54.9	45.3	65.0	.408	.350	91	82	SW 3	W 3	10	5	—	
10	.733	.750	56.0	53.3	51.0	62.1	.352	.357	76	88	WSW 3	SW 3	9	10	—	
11	.727	.775	57.5	54.6	51.8	63.0	.302	.331	64	78	NNW 3	NNW 3	7	9	—	
12	.853	29.902	58.0	59.0	50.4	69.0	.342	.326	71	65	NW 1	NNW 4	10	2	—	
13	29.969	30.034	62.3	55.1	52.5	68.2	.339	.324	60	74	NNW 4	NNW 4	1	3	—	Atmosphere singularly pellucid throughout day.
14	30.075	.133	59.5	55.0	50.5	67.0	.375	.378	74	88	NW 4	?	7	3	.008	
15	.158	.189	55.5	56.0	44.5	71.3	.368	.419	83	93	?	NE 2	10	4	—	
16	.171	.215	64.2	60.1	52.1	73.0	.446	.478	74	92	WSW 2	SW 3	10	9	—	
17	.203	.209	66.1	61.4	55.4	74.0	.463	.520	72	96	SW 3	SW 3	4	6	—	
18	.202	.301	71.2	65.0	56.8	79.2	.508	.541	66	88	WSW 3	SW 2	2	2	—	Wind NNW. for most of day. D ⁰ op.
19	.276	.197	71.0	64.8	52.5	77.3	.536	.507	70	83	SW 2	SSW 2	5	9	—	
20	.148	.137	63.0	57.5	51.7	80.2	.490	.464	85	98	SE 1	E 1	7	10	.005	
21	.140	.143	58.2	58.1	55.5	78.0	.457	.484	94	100	Calm	E 1	10	10	.009	
22	.190	30.167	56.8	55.1	54.7	72.2	.437	.432	94	99	Calm	ENE 1	10	10	—	
23	30.103	29.957	54.5	56.0	53.3	66.0	.426	.422	100	94	E 2	ENE 3	10	10	.125	Drizzle and Scotch early a. Day fine.
24	29.808	.758	56.0	54.9	53.4	62.0	.428	.382	95	89	E 3	E 2	10	10	—	
25	.711	.661	56.0	61.0	47.8	68.0	.402	.439	89	82	E 1	Calm	10	10	.085	
26	.714	.810	57.0	53.7	53.7	62.7	.440	.414	94	100	S 1	?	10	5	.046	
27	29.903	29.981	56.3	55.0	48.0	65.0	.309	.406	67	94	WNW 3	E 2	7	10	—	
28	30.018	30.039	57.3	54.8	47.2	65.5	.324	.372	69	87	N 1	S 1	8	10	—	
29	.086	.193	58.7	54.8	45.2	65.2	.327	.378	67	88	ENE 1	Calm	5	10	—	
30	.281	.385	56.4	49.0	47.5	61.7	.367	.335	81	97	SSE 1	E 1	9	0	—	
31	30.397	30.404	59.8	53.6	41.3	73.0	.371	.397	72	97	?	E 1	1	0	—	
Means	30.006	30.021	59.3	56.2	50.3	67.9	.389	.404	76.7	89.0	2.0	1.8	7.4	6.8	0.313	

DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	29.956	29.967	53.4	49.9	49.7	58.1	.388	.320	95	90	NNW 0.4	N 0.7	10	10	—	
2	.915	29.899	53.3	49.3	47.4	57.5	.312	.304	76	87	NNE 1.1	Calm	10	10	—	
3	29.935	30.003	54.3	45.2	43.8	61.4	.306	.275	73	92	N 0.8	W 0.4	10	0	—	
4	30.014	29.967	67.3	58.2	40.4	72.6	.405	.448	61	92	W 0.5	SW 2.4	10	10	.010	
5	29.885	.798	64.0	60.7	58.2	66.1	.467	.474	78	90	SW 3.0	SW 3.6	10	5	—	
6	.786	.896	65.3	57.3	57.2	73.8	.399	.404	64	86	WNW 4.2	WSW 0.5	1	5	—	
7	29.865	29.986	64.6	53.6	53.3	71.5	.416	.394	69	96	WNW 2.8	Calm	0	7	.028	
8	30.087	30.082	64.4	55.6	51.5	74.3	.360	.367	59	82	NE 0.4	W 0.8	3	3	—	
9	29.875	29.781	61.7	56.1	49.1	68.4	.411	.372	76	82	SW 2.8	WNW 1.1	10	5	.012	
10	.785	.816	59.3	55.0	51.5	69.5	.377	.330	74	76	NW 1.3	W 1.1	10	9	.018	
11	.727	.773	61.2	55.0	53.5	73.0	.411	.347	77	80	NW 1.0	WNW 1.3	8	9	—	
12	.839	29.916	60.9	51.2	51.2	65.7	.384	.345	72	92	Calm	Calm	0	10	—	
13	29.976	30.054	59.9	52.7	47.3	68.5	.399	.365	78	92	NNW 0.8	NW 0.3	10	10	—	
14	30.065	.109	64.2	58.3	52.6	72.3	.409	.449	68	92	NW 0.9	WNW 0.7	8	6	—	
15	.149	.203	64.9	50.2	50.2	72.5	.431	.332	70	92	WNW 1.5	W 0.4	9	4	—	
16	.205	.234	69.3	60.8	48.9	79.3	.541	.496	75	93	WNW 2.3	WNW 0.7	4	2	—	
17	.219	.256	75.5	64.1	57.8	83.1	.545	.558	62	93	WNW 0.8	SW 1.1	5	1	—	
18	.254	.286	77.8	65.1	62.4	85.4	.616	.567	65	92	NW 2.8	W 0.8	1	0	—	
19	.263	.193	80.0	68.8	61.1	88.9	.732	.618	71	88	NE 0.3	S 0.3	1	5	—	
20	.089	.063	79.8	66.3	61.0	85.2	.731	.600	72	93	SSW 1.8	N 0.3	4	5	—	
21	.091	.111	62.8	57.8	57.8	76.2	.500	.476	87	99	NNE 0.5	NE 0.5	10	10	.005	
22	.153	30.132	61.5	58.5	57.2	71.9	.498	.484	92	99	N 0.2	NE 0.4	10	10	—	before ga.
23	30.064	29.902	59.3	56.4	56.0	68.3	.457	.422	97	93	ESE 0.6	SE 0.8	10	10	—	
24	29.761	.688	61.7	56.2	55.5	68.3	.459	.425	84	94	SE 0.5	E 0.3	10	2	—	before ga.
25	.634	.650	66.3	57.8	54.2	73.0	.518	.436	80	90	E 0.5	Calm	0	10	.045	
26	.692	.800	64.3	56.2	56.2	69.3	.442	.385	74	85	NW 0.6	NE 0.5	9	10	—	
27	.894	29.975	60.2	49.2	48.7	64.9	.337	.335	64	96	NNE 0.3	SSE 0.5	10	1	.008	
28	29.981	30.039	60.3	53.1	41.5	64.4	.374	.346	72	85	NE 0.8	N 0.2	8	10	.052	
29	30.054	.186	58.2	55.9	51.5	66.1	.385	.395	79	89	NNW 0.8	NNW 1.3	9	10	.007	
30	.243	.363	57.1	51.2	51.1	65.1	.350	.338	75	90	NNW 1.1	NNW 0.7	9	0	—	
31	30.409	30.407	59.5	51.4	47.6	69.9	.367	.359	73	94	NE 0.5	Calm	0	10	—	
Means	29.996	30.018	63.6	56.0	52.4	71.1	.443	.412	74.6	90.1	1.2	0.7	7.9	5.8	0.185	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	58 ⁰ .6	54 ⁰ .4	52 ⁰ .1	60 ⁰ .7	in.	in.	79 ⁰ / ₃₈₈	74 ⁰ / ₃₀₉	SE 2	ENE 3	8	1	ins.	
2	.944	29.934	57 ⁰ .7	53 ⁰ .4	48 ⁰ .8	58 ⁰ .2	.298	.347	62	85	E 3	Calm 0	7	10	—	
3	29.953	30.083	58 ⁰ .0	52 ⁰ .3	51 ⁰ .8	59 ⁰ .1	.410	.347	85	88	NNW 4	NNW 1	6	1	—	
4	30.087	30.007	56 ⁰ .8	56 ⁰ .9	50 ⁰ .3	59 ⁰ .6	.408	.314	88	67	W 1	Calm 0	10	10	—	
5	29.964	29.888	62 ⁰ .9	58 ⁰ .8	56 ⁰ .5	63 ⁰ .8	.492	.494	86	99	SW 4	SW 5	8	10	.050	
6	.916	.946	60 ⁰ .4	56 ⁰ .8	55 ⁰ .6	66 ⁰ .2	.466	.443	90	95	W 4	Calm 0	9	8	.095	
7	29.967	29.972	60 ⁰ .5	52 ⁰ .2	52 ⁰ .2	64 ⁰ .2	.416	.380	79	98	WNW 3	Calm 0	9	3	—	
8	30.108	30.143	61 ⁰ .5	52 ⁰ .2	49 ⁰ .5	67 ⁰ .3	.421	.377	77	97	NW 3	Calm 0	3	2	.017	
9	29.958	29.870	56 ⁰ .8	56 ⁰ .0	48 ⁰ .2	68 ⁰ .1	.462	.428	100	95	SW 4	WNW 3	10	8	.010	bb
10	.877	.896	56 ⁰ .0	55 ⁰ .7	52 ⁰ .3	59 ⁰ .3	.391	.366	87	82	W 4	W 3	9	10	.013	bb
11	.852	.863	55 ⁰ .2	54 ⁰ .2	54 ⁰ .1	60 ⁰ .7	.404	.391	93	93	WNW 3	NNW 1	10	10	—	
12	.888	29.921	55 ⁰ .9	50 ⁰ .1	50 ⁰ .1	64 ⁰ .3	.395	.352	89	97	WNW 2	Calm 0	10	0	—	
13	29.997	30.054	65 ⁰ .1	54 ⁰ .5	48 ⁰ .4	69 ⁰ .1	.455	.390	74	92	E 1	NW 5	0	4	—	bb
14	30.109	.197	60 ⁰ .0	55 ⁰ .6	50 ⁰ .1	63 ⁰ .5	.429	.425	83	96	NW 4	WNW 2	3	8	—	bb
15	.219	.249	58 ⁰ .6	56 ⁰ .6	54 ⁰ .5	66 ⁰ .4	.451	.397	92	86	WNW 2	Calm 0	8	10	—	bb
16	.283	.307	63 ⁰ .0	59 ⁰ .7	55 ⁰ .6	66 ⁰ .4	.513	.489	89	96	WNW 2	Calm 0	9	2	—	bb
17	.319	.345	64 ⁰ .8	65 ⁰ .0	55 ⁰ .7	72 ⁰ .1	.498	.587	82	95	WNW 3	WNW 1	5	4	—	bb
18	.368	.377	68 ⁰ .4	61 ⁰ .8	61 ⁰ .3	73 ⁰ .2	.562	.538	81	97	W 3	NNW 4	6	3	—	bb
19	.329	.201	72 ⁰ .6	62 ⁰ .5	59 ⁰ .9	74 ⁰ .1	.605	.527	77	93	NNW 1	WNW 2	4	3	—	bb
20	.148	.081	61 ⁰ .6	61 ⁰ .6	54 ⁰ .0	72 ⁰ .7	.492	.543	90	98	WNW 2	NW 1	9	1	—	bb
21	.053	.060	65 ⁰ .6	59 ⁰ .7	51 ⁰ .8	75 ⁰ .0	.505	.460	81	91	W 1	WNW 2	0	1	—	bb
22	.108	30.069	70 ⁰ .2	62 ⁰ .1	53 ⁰ .6	77 ⁰ .8	.542	.526	73	94	E 1	Calm 0	0	0	—	bb
23	30.001	29.823	64 ⁰ .9	62 ⁰ .0	57 ⁰ .3	68 ⁰ .2	.515	.549	84	99	E 2	ESE 2	3	10	—	bb
24	29.703	.642	59 ⁰ .6	57 ⁰ .2	57 ⁰ .0	62 ⁰ .0	.491	.463	96	99	ESE 1	NNW 3	10	1	.575	bb
25	.674	.723	58 ⁰ .4	54 ⁰ .6	54 ⁰ .5	59 ⁰ .3	.473	.380	97	89	WNW 1	NW 2	10	4	—	bb
26	.759	.818	59 ⁰ .9	56 ⁰ .1	51 ⁰ .9	64 ⁰ .9	.399	.410	78	90	WNW 3	NW 5	2	8	—	bb
27	.925	29.981	60 ⁰ .0	52 ⁰ .8	52 ⁰ .3	63 ⁰ .6	.409	.377	79	94	NNW 5	NNW 4	3	0	—	bb
28	29.980	30.035	61 ⁰ .5	54 ⁰ .1	48 ⁰ .8	64 ⁰ .7	.399	.314	73	75	E 2	NW 1	2	1	—	bb
29	30.073	.133	57 ⁰ .6	54 ⁰ .6	45 ⁰ .1	67 ⁰ .6	.401	.359	84	84	WNW 3	N 1	3	6	—	bb
30	.249	.336	60 ⁰ .6	53 ⁰ .3	50 ⁰ .4	66 ⁰ .0	.418	.357	80	88	NE 3	Calm 0	5	0	—	bb
31	30.395	30.364	61 ⁰ .6	51 ⁰ .7	44 ⁰ .8	66 ⁰ .7	.429	.376	79	99	SE 2	Calm 0	4	1	—	bb
Means	30.038	30.040	61 ⁰ .1	56 ⁰ .4	52 ⁰ .5	66 ⁰ .0	.450	.420	83 ⁰ / ₅	91 ⁰ / ₁	2 ⁰ / ₅	1 ⁰ / ₆	6 ⁰ / ₀	4 ⁰ / ₅	0 ⁰ / ₇₆₀	

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	55.8	51.7	51.1	63.2	ins.	ins.	90	90	NNE 1	NNE 1	10	9	ins.	Very fine but cold p.
2	29.954	29.949	55.8	51.7	51.1	63.2	3.01	3.35	81	88	NE 1	Calm 0	9	1	0.008	
3	29.966	30.078	54.0	44.7	45.3	60.1	3.29	2.72	78	92	NNW 1	Calm 0	9	0	0.002	
4	30.093	30.071	62.0	58.3	41.0	70.6	3.99	4.19	72	86	WNW 1	W 1	4	9	—	
5	29.996	29.957	60.5	63.3	54.8	75.3	5.37	4.91	75	85	W 2	W 3	7	4	—	Very fine.
6	29.972	29.963	66.6	60.2	59.0	71.2	4.61	4.44	71	86	W 4	W 1	3	8	—	Very fine a.
7	29.944	29.969	64.0	58.0	55.2	67.5	4.79	4.12	80	85	WNW 2	NW 1	9	9	0.008	Gloomy a. Fair p. but very cloudy all day.
8	30.093	30.155	59.0	51.0	50.8	65.3	3.88	3.48	78	93	NNE 1	SSE 1	7	1	—	Very fine p.
9	30.039	30.067	62.8	55.4	48.3	68.8	4.39	4.30	77	98	SW 1	W 1	6	6	—	Very fine a. ∞ p.
10	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
11	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
12	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
13	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
14	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
15	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
16	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
17	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
18	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
19	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
20	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
21	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
22	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
23	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
24	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
25	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
26	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
27	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
28	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
29	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
30	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
31	29.843	29.875	57.1	53.5	53.0	65.5	3.75	3.65	80	89	W 2	NW 2	10	5	0.020	Very fine p.
Means	30.026	30.040	61.7	55.9	51.8	68.5	4.45	4.09	80.5	90.7	1.3	1.0	7.7	6.1	1.198	

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

JULY 1878.

1	29.948	29.917	59.9	58.0	56.0	67.8	3.67	3.56	72	75	E 3	E 5	9	10	—	∞ with gleams of sun a. and p. ☁
2	29.912	29.948	55.7	54.7	53.7	64.4	3.27	3.19	74	75	E 3	N 2	9	10	—	☁ ga. and before. Cold wind. [sp.]
3	29.978	30.119	60.2	54.5	52.9	68.0	3.99	3.51	76	83	N 2	NW 2	10	0	—	Very fine.
4	30.121	30.067	63.3	60.8	52.7	73.3	3.78	4.43	65	83	W 2	W 3	10	10	—	Dull and threatening.
5	30.017	29.961	67.6	61.3	59.0	75.5	4.77	4.98	71	92	SW 3	W 6	8	10	—	Dull and threatening with ☁ and [great dust.]
6	29.971	29.989	62.8	60.0	58.6	74.0	4.25	4.25	75	83	W 1	W 1	10	10	0.030	Very fine. [great dust.]
7	30.011	30.022	62.6	59.0	57.5	70.4	4.56	4.19	81	84	W 1	WNW 1	10	9	—	Dull with very fine ☁ occasionally.
8	30.138	30.170	60.4	58.2	56.0	71.8	3.93	3.99	75	81	N 1	NW 2	9	3	—	Very fine. [a.]
9	30.001	29.932	63.1	59.5	52.4	68.2	4.15	4.30	72	85	SW 3	W 1	10	10	—	Dull and threatening with ☁ (drizzle)
10	29.938	29.922	59.5	56.5	55.5	64.0	3.88	3.86	77	85	W 3	W 1	10	10	0.060	Dull and threatening till 4.30 p. then [☁ 2 showers.]
11	29.977	29.922	60.7	58.5	55.2	66.0	4.00	4.12	78	84	W 1	W 1	10	10	—	Dull but fine. [☁ 2 showers.]
12	29.923	29.939	58.6	53.0	52.8	64.0	3.77	3.48	77	86	N 1	NW 1	10	0	—	Dull with gleams of sun and heavy [thunder clouds.]
13	30.011	30.103	65.3	54.7	46.9	75.4	3.81	3.40	61	80	NW 1	NW 2	0	0	—	Very fine.
14	29.944	29.923	58.0	57.2	53.6	68.0	3.71	4.06	77	87	NW 1	NW 1	10	10	—	Very fine. A slight ☁ shower early a.
15	29.955	29.968	62.1	60.0	56.5	74.5	4.36	4.34	78	84	NW 1	W 2	7	10	—	Very fine. Drizzling ☁ early a.
16	29.934	29.912	61.6	63.3	56.0	72.9	4.92	4.65	90	80	W 0.6	NW 0.6	10	10	—	Very fine. Drizzling ☁ early a.
17	29.936	29.972	66.0	66.2	57.6	74.0	4.72	5.20	74	81	NW 1	W 0.6	10	10	—	Very fine. Drizzling ☁ early a.
18	29.940	29.902	68.5	63.6	62.7	79.9	5.37	5.24	78	89	N 1	W 0.6	10	0	—	Sea ☁ till 5.30 p.
19	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
20	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
21	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
22	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
23	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
24	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
25	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
26	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
27	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
28	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
29	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
30	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
31	29.911	29.912	70.2	64.2	59.5	78.1	5.22	5.03	70	84	NE 1	NE 0.6	1	10	—	Very fine.
Means	30.053	30.061	63.5	59.8	55.7	71.7	4.31	4.24	73.6	82.1	1.5	1.5	6.8	6.1	1.185	

BUXTON.

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

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	55.4	51.5	49.1	63.1	ins.	ins.	71	84	SE	E	7	10	ins.	Fine before ga.
2	29.937	29.951	55.4	51.5	49.1	63.1	3.11	3.22	71	84	SE	E	7	10	—	
3	29.934	30.093	55.3	50.4	45.8	58.9	3.01	2.98	69	82	NE	NE	4	10	0.010	p.
4	30.107	30.037	57.2	54.9	43.2	62.1	3.46	3.74	74	87	NW	W	1	8	8	
5	30.003	29.980	62.0	60.5	53.6	66.9	4.31	3.81	78	73	W	W	4	8	9	0.110
6	29.958	30.013	59.5	56.4	55.8	65.7	4.21	3.93	83	87	NW	NW	2	5	10	0.020
7	29.998	30.014	56.4	54.4	54.0	63.0	4.10	3.66	90	87	NW	NW	1	10	5	—
8	30.113	30.175	58.8	52.2	51.0	64.9	3.88	3.30	78	84	NW	NW	1	6	8	—
9	30.021	29.902	60.6	54.9	46.8	64.7	3.53	3.93	67	92	ENE	NW	3	4	10	0.080
10	29.891	29.941	53.1	51.4	51.0	57.4	3.49	3.39	86	89	NW	NW	2	10	10	0.210
11	29.851	29.869	52.7	51.9	50.4	55.5	3.65	3.39	92	88	N	NW	3	10	8	0.020
12	29.895	29.925	53.7	53.1	50.5	57.4	3.53	3.22	85	79	NW	NW	1	8	10	—
13	29.970	30.058	62.6	54.8	40.4	69.7	4.07	3.70	72	86	N	NW	1	3	2	—
14	30.090	29.189	58.0	54.7	50.8	62.9	3.84	3.81	80	90	NW	NW	1	8	10	—
15	29.214	29.284	57.3	55.9	52.8	60.4	3.70	4.12	79	92	NW	NW	3	8	2	—
16	29.291	29.304	60.2	58.1	54.4	65.7	4.59	4.31	89	88	NW	NW	3	10	6	—
17	29.316	29.350	62.8	59.6	56.4	71.2	4.94	4.46	87	88	NW	NW	4	5	3	p.
18	29.455	29.360	65.3	61.6	58.0	69.0	5.59	4.85	86	89	NW	NW	3	4	5	ga. and p.
19	29.291	29.246	74.9	65.3	57.0	78.8	5.74	5.74	66	92	SW	Calm	0	4	5	—
20	29.164	29.121	74.4	64.6	55.5	79.5	5.11	4.89	59	81	W	SW	1	5	4	—
21	29.085	29.143	71.5	63.3	51.3	79.8	5.26	4.59	68	79	SW	SW	1	1	0	—
22	29.101	29.112	68.4	59.8	57.0	75.8	5.37	4.73	78	93	E	SW	1	7	4	—
23	30.069	29.917	56.1	56.1	54.8	62.3	3.99	4.15	88	91	E	SE	1	10	10	0.020
24	29.787	29.681	56.4	58.6	54.6	60.9	4.25	4.61	93	94	E	E	1	10	10	1.110
25	29.671	29.722	57.3	55.4	54.0	61.6	4.43	4.24	94	96	N	NW	1	10	10	0.035
26	29.750	29.800	60.2	58.0	52.0	65.0	4.32	4.06	73	84	NW	NW	3	6	8	—
27	29.807	29.920	60.5	51.5	51.5	63.3	4.56	3.46	87	91	NW	Calm	0	6	2	0.020
28	29.971	30.039	59.8	53.9	46.0	64.8	3.58	3.42	70	82	NE	NE	1	4	9	—
29	30.055	30.132	58.8	53.3	52.0	63.5	3.46	3.20	70	80	N	NE	1	8	3	—
30	30.217	30.359	62.3	50.9	46.0	64.3	3.66	3.29	66	88	NE	NE	1	4	0	—
31	30.404	30.425	55.1	51.7	43.4	64.6	3.57	3.55	80	92	E	SE	2	1	1	—
Means	30.046	30.064	59.9	55.8	51.1	65.2	4.08	3.89	78.7	86.7	1.5	1.5	6.5	6.5	1.735	

UPPINGHAM.

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

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	59°	54°	52°	60°	ins.	ins.	74	83	NE 2	NE 1	10	8	—	Mackerel sky 9p.
2	29°942	29°932	59°	54°	52°	60°	377	358	74	83	NE 2	NE 1	10	9	—	Gloomy all day.
3	29°911	30°081	53°	49°	46°	53°	355	290	88	82	NbyW 2	NNE 1	10	1	0.08	Gloomy till late p. ∞ 9p.
4	30°111	30°095	61°	57°	44°	68°	379	430	71	91	NW 2	WbyS 1	7	9	—	At 9a. cir.-c. and cir.-s. prevailed in large patches, with, between them, rolls of fleecy cloud, short and quite separate, closest packed in E.
5	30°047	30°017	65°	62°	52°	69°	472	472	77	82	W 4	WbyS 5	9	10	—	in squalls before 9a. Rough night.
6	29°934	29°981	66°	60°	57°	73°	455	409	71	78	W 5	WbyN 1	6	9	—	Cloudy all day with ∞.
7	29°976	29°987	62°	58°	52°	70°	449	410	79	84	WbyN 4	WbyN 1	10	10	—	
8	30°086	30°148	61°	56°	51°	73°	428	394	77	87	NNW 2	Calm 0	10	10	—	Ugly and threatening p.
9	30°070	29°898	65°	57°	48°	68°	391	391	63	84	WbyS 2	WNW 2	7	7	—	(SW) 2p. Gloomy p., but almost cloudless at 11p.
10	29°888	29°913	59°	54°	51°	63°	394	382	79	90	WNW 5	WbyN 3	10	8	—	force 4-6. Dull day.
11	29°838	29°847	58°	55°	51°	63°	396	368	81	84	WbyN 5	WNW 4	10	10	—	Cold. [hot day.
12	29°907	29°907	58°	52°	47°	61°	380	350	79	87	WNW 2	Calm 0	10	8	—	Wind veering 9p. Dull, cloudy, but
13	29°963	30°029	62°	56°	47°	72°	411	391	72	87	NbyE 2	SE 1	7	8	—	Wind backing very slightly p.
14	30°094	30°143	59°	58°	49°	69°	402	429	80	87	Calm 0	NbyE 1	10	10	—	
15	30°0	30°0	63°	58°	51°	72°	452	393	79	81	NNW 1	NNW 1	10	1	—	Bright all night.
16	29°8	29°8	64°	60°	51°	75°	490	446	81	85	NbyN 2	NbyN 1	10	0	—	Cloudy after 8a., bright p.
17	29°9	29°9	69°	64°	52°	82°	548	370	78	61	NbyN 1	NbyN 1	1	0	—	Clear and hot p.
18	29°33	29°33	74°	65°	57°	83°	617	550	72	88	NbyN 1	NbyN 1	1	0	—	Scorching p.
19	29°300	29°300	76°	67°	60°	88°	592	542	66	83	ENE 1	NE 1	6	1	—	
20	29°165	29°165	74°	63°	55°	88°	540	442	62	75	ENE 2	SEb.E 1	6	3	—	
21	29°064	29°064	74°	63°	55°	87°	537	525	61	91	ESE 3	ENE 1	1	1	—	Bright, hot day.
22	29°054	29°054	69°	58°	50°	78°	574	459	81	93	NE 3	NE 4	10	10	112	[all night.
23	30°028	30°028	58°	59°	55°	65°	483	493	97	97	ENE 1	NE 1	10	10	026	7a. Scotch 9p. Thickish
24	29°763	29°763	60°	56°	50°	71°	517	444	97	97	EbyS 1	Calm 0	10	3	620	7a. 2 with distant T 1.30p.
25	29°662	29°662	60°	56°	54°	62°	459	435	87	94	WbyN 1	WbyN 1	10	10	179	1.30p. K 5.30p.—7p. with great gloom.
26	29°748	29°748	63°	60°	53°	70°	397	452	68	86	WbyN 4	Calm 0	7	10	—	9a.
27	29°883	29°883	58°	55°	51°	66°	442	425	91	98	WNW 1	Calm 0	10	8	207	
28	29°982	29°982	58°	54°	50°	71°	386	335	78	80	SE 1	EbyN 1	10	7	—	
29	30°035	30°035	63°	53°	52°	67°	359	341	63	83	Calm 0	NNE 1	9	0	040	
30	30°185	30°185	60°	56°	48°	67°	408	369	79	81	NbyE 4	NbyE 2	9	10	—	
31	30°376	30°412	62°	52°	51°	66°	405	365	73	93	NNE 2	Calm 0	10	7	—	
Means	30°031	30°040	63°	57°	52°	71°	446	413	76°	85°	2°	1°	8°	6°	1°204	

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	29°953	29°924	56°	54°	53°	63°	361	337	79	80	NE 2	NNE 3	10	1	—	
2	29°892	29°910	55°	53°	49°	60°	311	345	72	85	ENE 3	NE 0-1	10	10	—	
3	29°928	30°082	55°	55°	49°	62°	353	378	80	88	NW 4	Calm 0	10	9	120	9p.
4	30°123	30°101	60°	58°	47°	66°	352	410	66	85	WSW 2	SW 4	9	9	010	
5	30°049	30°024	64°	62°	53°	68°	473	472	79	85	W 5	SW 5-6	9	10	—	
6	30°049	30°001	65°	59°	58°	72°	442	411	71	82	WSW 6	W 3	9	9	—	Day fine.
7	29°992	30°003	62°	57°	54°	68°	450	437	81	94	W 3	NW 1	10	8	—	Afternoon fine.
8	30°102	30°155	59°	57°	51°	68°	380	402	74	86	NW 2	NW 2	9	2	—	∞ early afternoon.
9	30°070	29°919	63°	57°	48°	67°	416	431	73	92	SSW 3	NW 1	9	8	—	
10	29°914	29°939	58°	55°	53°	61°	385	389	79	90	WNW 4-5	WNW 4	10	10	—	
11	29°876	29°878	55°	57°	52°	64°	374	359	84	77	W 5	W 4	10	9	—	T and < about 11a. 10p., then fine.
12	29°894	29°918	57°	55°	53°	60°	374	370	80	83	W 4	NNW 0-1	10	10	—	
13	29°971	30°039	62°	58°	47°	69°	367	396	65	82	N 1	NW 2	1	3	—	∞ in middle day.
14	30°093	30°170	60°	56°	49°	66°	416	396	79	87	WNW 3	NW 3	1	3	—	9a.
15	29°226	29°237	59°	58°	53°	69°	436	414	88	85	NW 2	NW 1-2	10	1	—	9a. Fine afternoon.
16	29°292	29°304	60°	61°	53°	72°	486	439	91	82	NW 2	N 2	9	0	—	Very fine a. and p. ∞.
17	29°308	29°328	67°	63°	54°	79°	501	461	74	78	NW 2	N 2	9	0	—	Day fine. ∞ 9p.
18	29°360	29°344	68°	63°	58°	73°	546	537	79	91	NW 4	NNW 3	9	1	—	Some thin cloud like ∞ 9a. Day fine.
19	29°303	29°313	71°	71°	60°	82°	567	595	74	78	NE 2	E 2	2	2	—	Day fine.
20	29°351	29°378	71°	69°	62°	82°	550	516	71	70	S 1-2	E 1	8	1	—	Very fine and clear.
21	29°422	29°439	72°	68°	57°	83°	567	527	72	75	ENE 3	NE 3	2	3	070	Day fine. T 3p.
22	29°542	29°559	68°	64°	57°	80°	557	480	81	80	NE 3-4	NE 3	2	3	—	9a.
23	30°033	30°085	57°	60°	55°	64°	463	475	99	90	ENE 2	ENE 0-1	10	10	—	[9.30p.
24	29°725	29°731	62°	59°	58°	70°	517	488	92	95	ESE 1	W 0-1	10	10	260	K 0.30p.—2p. and 6p. 9p. <
25	29°674	29°674	59°	56°	55°	68°	436	440	88	98	WSW 3	W 3	10	10	200	2 or 0 nearly all day.
26	29°769	29°798	62°	59°	52°	66°	424	427	75	84	W 2	NNW 1	7	10	—	[9p.
27	29°900	29°980	62°	54°	52°	66°	423	348	76	83	NW 3	NW 2	9	1	—	Day fine. Clouds moving very slowly
28	29°981	29°995	57°	56°	49°	66°	380	386	82	84	NE 2	NE 2	9	1	—	Day fine.
29	30°046	30°104	61°	57°	51°	69°	411	377	77	81	SSW 0-1	NE 0-1	7	10	—	∞ a.
30	30°209	30°313	61°	55°	48°	67°	386	373	73	84	NNE 3-4	NNE 2	8	0	—	Fine a. ∞ in afternoon.
31	30°384	30°385	59°	58°	47°	65°	402	417	79	85	ENE 2	E 1	10	0	—	
Means	30°041	30°048	61°	59°	53°	68°	436	427	78°	84°	2°	1°	8°	5°	0°600	

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	54°	58°	54°	63°	ins.	ins.	88	80	Calm 0	Calm 0	10	7	ins.	
2	29°970	29°933	54°	58°	54°	63°	374	374	88	80	SE 1	ENE 0°5	9	9	—	
3	29°970	30°140	57°	52°	49°	63°	329	308	69	79	N 1	Calm 0	9	0	—	
4	30°150	30°125	64°	58°	42°	67°	422	379	70	78	SSW 3	NW 1	6	8	008	
5	30°085	30°058	61°	57°	57°	66°	491	454	90	84	W 0°5	W 3	10	10	—	
6	30°002	30°033	63°	58°	58°	67°	403	393	70	81	NW 1	W 2	3	10	031	Pleasant.
7	30°039	30°038	60°	56°	56°	67°	396	385	76	85	NW 1	W 0°5	9	4	—	D. Cloudy, but warm and fine.
8	30°131	30°194	61°	54°	51°	67°	338	369	63	88	NE 0°5	Calm 0	6	1	—	D. Fine.
9	30°071	29°955	62°	56°	44°	66°	396	381	70	83	W 2	W 1	9	4	009	
10	29°942	29°996	55°	53°	53°	62°	356	361	82	83	NW 1	SW 1	9	8	030	
11	29°930	29°916	54°	55°	52°	62°	377	378	88	85	WNW 1	WNW 2	8	6	—	Dull

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	59.8	55.1	51.9	63.9	ins.	ins.	%	%	NE	2	Calm	0	8	Very dull.
2	29.917	29.901	59.8	55.1	51.9	63.9	393	348	70	80	NE	1	NE	1	8	—
3	29.900	30.059	56.3	48.6	45.9	61.0	311	315	68	93	NW	2	NW	2	10	0.020
4	30.125	30.104	60.6	58.2	36.5	69.7	374	412	72	85	NW	2	NW	1	4	—
5	30.075	30.040	63.1	63.3	54.0	71.6	441	470	76	81	W	3	W	2	10	8
6	29.968	29.981	66.6	62.6	59.2	75.6	498	539	77	95	W	3	W	2	8	—
7	29.970	29.974	64.9	61.3	56.8	70.3	487	401	80	74	W	2	W	1	7	—
8	30.068	30.141	62.6	55.6	52.1	68.9	413	407	73	92	NW	2	NW	1	7	0.010
9	30.079	29.889	61.8	61.9	47.8	71.4	453	482	66	88	SW	2	W	2	4	—
10	29.889	29.915	60.4	54.9	54.4	66.0	371	371	71	87	NW	2	NW	2	7	—
11	29.859	29.847	57.3	57.6	54.9	63.9	378	353	80	75	NW	3	NW	2	10	8
12	29.876	29.903	59.3	55.6	54.8	63.0	370	389	73	88	W	3	Calm	0	10	—
13	29.940	30.031	62.3	48.1	46.5	68.9	364	329	65	98	N	2	N	1	5	6
14	30.085	30.131	57.6	53.1	45.3	66.9	393	378	82	93	N	1	NW	1	10	10
15	29.883	29.902	60.6	59.6	52.5	70.9	419	449	80	88	N	2	N	1	10	6
16	29.865	29.872	65.1	59.6	45.3	75.4	461	483	75	95	N	2	NW	1	4	0
17	29.872	29.894	67.6	58.6	48.9	81.1	465	436	69	89	NW	1	Calm	0	5	0
18	29.817	29.844	73.1	72.2	54.1	82.1	535	607	66	77	NW	2	NW	2	4	7
19	29.779	29.803	70.1	62.1	59.0	83.9	594	479	80	86	NW	1	NE	1	9	0
20	29.767	29.792	71.6	62.6	55.0	80.6	516	503	67	89	SE	1	SE	1	7	0
21	29.734	29.752	75.2	64.8	57.7	79.9	500	441	56	88	SE	2	Calm	0	4	0
22	29.713	29.733	69.7	63.0	56.0	79.2	609	511	84	89	NE	1	NE	1	7	10
23	29.704	29.786	61.3	63.4	59.0	66.6	491	526	91	91	NE	2	Calm	0	10	10
24	29.750	29.769	65.3	54.6	54.5	72.6	511	427	82	100	NE	1	SW	1	10	0
25	29.661	29.721	63.9	56.8	53.8	68.0	467	431	79	93	W	1	W	2	8	10
26	29.755	29.765	64.6	61.6	56.4	70.9	397	496	65	91	W	2	W	1	4	10
27	29.851	29.940	63.6	55.1	55.0	68.6	430	407	73	93	W	2	NE	1	7	0
28	29.957	30.000	61.0	51.4	51.3	67.1	371	356	70	94	NE	1	NW	1	8	0
29	30.025	30.070	59.4	49.1	47.2	68.6	379	323	75	93	Calm	0	Calm	0	8	0
30	30.135	30.269	59.6	56.6	45.1	66.6	415	378	81	82	N	3	N	3	5	10
31	30.331	30.305	60.1	57.1	55.1	64.6	397	393	77	84	NE	1	NE	1	10	10
Means	30.020	30.029	63.5	57.9	52.1	70.6	436	428	74.1	88.4	1.8	1.1	7.4	5.5	0.480	

CARMARTHEN.

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

JULY 1878.

1	29°911	29°873	61°6	60°8	58°6	67°2	*496	*509	91	96	Calm	0	Calm	0	10	10	*070
2	*887	29°909	58°2	54°3	54°3	66°2	*409	*393	84	93	NE	1	N	1	10	7	—
3	29°992	30°137	59°6	53°8	53°3	66°9	*428	*385	84	93	N	1	NW	1	7	2	—
4	30°153	*148	65°6	59°1	50°4	69°1	*494	*477	79	95	W	1	SW	1	2	10	*040
5	*100	*056	62°6	60°3	58°6	68°9	*539	*514	95	98	SW	2	SW	2	10	10	*110
6	*022	*044	67°5	58°1	56°8	70°4	*501	*480	75	99	NW	1	W	1	4	10	—
7	*030	*028	65°0	60°6	56°4	70°2	*500	*485	82	92	Calm	0	W	1	9	10	—
8	*132	30°194	66°6	54°6	54°6	70°4	*483	*394	75	93	N	1	Calm	0	2	1	—
9	30°091	29°983	61°4	58°2	*467	65°5	*500	*441	93	90	SW	1	NW	1	10	1	*010
10	29°990	30°007	59°6	57°1	54°0	67°0	*441	*430	86	91	NW	2	W	1	8	10	—
11	*955	29°968	57°3	57°7	54°6	67°6	*424	*467	90	98	W	2	W	1	10	8	—
12	*947	29°925	59°8	56°2	54°7	65°5	*457	*453	89	100	W	1	Calm	0	10	10	*440
13	29°992	30°100	62°8	56°2	52°0	73°4	*449	*416	79	92	NE	2	Calm	0	1	0	—
14	30°470	*215	59°0	56°7	52°8	62°5	*407	*439	82	95	N	2	N	2	8	1	—
15	*269	*282	59°8	59°1	55°3	68°5	*479	*479	93	95	N	1	Calm	0	10	10	—
16	*321	*328	67°5	58°5	57°2	75°9	*580	*431	87	88	NW	1	Calm	0	8	0	—
17	*329	*337	73°0	64°0	53°0	80°4	*537	*472	66	79	Calm	0	Calm	0	6	0	—
18	*387	*354	71°0	65°5	58°6	78°7	*522	*533	69	86	N	2	N	1	1	0	—
19	*289	*156	73°9	72°2	59°5	84°7	*562	*639	67	82	NE	1	Calm	0	2	10	—
20	*112	*015	73°5	69°7	67°7	84°6	*592	*560	72	77	NE	1	Calm	0	8	1	—
21	*047	30°043	70°4	68°3	61°8	85°4	*566	*539	56	78	E	1	NE	1	1	0	—
22	30°023	29°984	78°4	67°1	58°8	84°4	*582	*605	60	91	E	1	SE	1	0	4	*040
23	29°970	*800	64°3	64°6	61°8	83°4	*509	*562	85	92	E	1	Calm	0	10	10	1°030
24	*699	*711	63°8	58°0	57°4	78°8	*556	*447	94	92	Calm	0	NW	1	10	6	*050
25	*758	*792	59°4	55°7	53°5	77°7	*473	*374	94	85	NW	1	W	1	8	3	*100
26	*804	29°808	61°4	58°5	54°4	68°3	*500	*449	93	92	Calm	0	N	1	10	9	*060
27	*973	30°022	64°6	51°8	51°8	67°7	*388	*334	64	86	N	1	Calm	0	6	1	—
28	29°951	29°977	68°5	54°7	45°0	71°6	*410	*335	58	79	N	1	Calm	0	4	0	—
29	30°037	30°108	69°4	56°3	49°1	73°8	*433	*382	60	84	Calm	0	Calm	0	1	4	—
30	*190	*316	67°0	57°0	54°1	74°3	*431	*391	65	84	N	1	NE	1	4	0	—
31	30°353	30°370	66°6	59°6	51°8	74°7	*393	*391	61	77	E	1	E	1	0	0	—
Means	30°061	30°064	65°4	59°5	55°1	73°0	*485	*458	78°3	89°4	1°0	0°6	6°1	4°8	1°950		

MARLBOROUGH.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	57.0	57.0	55.9	65.0	ins.	ins.	%	%	NE	1	Calm	0	10	ins. 11.160
2	29.949	29.893	57.0	53.3	50.9	61.5	.428	.441	92	94	NE	1	Calm	0	10	.028
3	.885	.909	51.9	53.3	50.9	61.5	.373	.375	97	92	NE	1	Calm	0	9	.060
4	29.968	30.103	58.5	54.1	51.0	64.8	.375	.370	77	88	Calm	0	Calm	0	9	
5	30.176	.170	63.8	56.8	43.7	69.7	.404	.400	68	86	Calm	0	W	1	5	
6	.102	.113	63.5	60.2	53.3	66.7	.456	.479	79	92	NW	1	W	1	9	10
7	.041	.160	63.8	57.5	57.5	73.8	.509	.410	86	86	SW	1	W	1	10	2
8	.043	.037	64.6	57.9	54.1	73.8	.467	.430	78	92	Calm	0	W	1	9	2
9	.111	30.180	65.7	58.1	53.1	70.7	.400	.416	63	85	N	1	Calm	0	5	6
10	30.129	29.968	65.5	58.6	51.7	70.9	.413	.454	66	92	Calm	0	W	1	5	8
11	29.957	.980	60.6	55.8	51.9	67.8	.404	.361	77	81	W	1	Calm	0	10	6
12	.933	.936	58.6	56.7	54.2	66.5	.371	.393	76	85	W	1	Calm	0	10	7
13	.868	29.940	64.5	55.3	51.4	67.2	.382	.419	63	96	Calm	0	Calm	0	9	10
14	29.972	30.050	61.7	62.2	53.0	71.6	.388	.456	72	82	NE	1	Calm	0	2	9
15	30.126	.172	59.6	57.6	49.4	68.5	.364	.428	71	90	Calm	0	Calm	0	8	1
16	.259	.258	58.6	57.4	52.3	66.6	.399	.431	81	92	N	1	Calm	0	10	0
17	.315	.320	63.5	63.8	50.3	72.1	.480	.520	83	88	Calm	0	Calm	0	1	1
18	.340	.323	71.7	68.2	52.4	80.7	.507	.582	65	85	Calm	0	Calm	0	1	0
19	.381	.353	72.3	66.5	60.1	78.8	.578	.560	73	87	N	1	Calm	0	4	0
20	.305	.206	71.0	68.9	59.6	83.9	.603	.580	79	83	Calm	0	Calm	0	0	4
21	.145	.071	72.8	66.7	57.6	82.1	.560	.501	70	77	E	1	E	1	7	1
22	.010	.034	72.9	65.4	59.9	82.2	.580	.480	72	78	NE	1	NE	1	1	1
23	.019	30.022	68.9	64.7	58.1	80.1	.574	.603	82	99	NE	1	Calm	0	5	8
24	30.008	29.880	62.8	64.2	62.6	74.7	.535	.574	94	96	E	1	Calm	0	10	9
25	29.743	.695	64.1	58.8	58.8	74.3	.568	.473	95	96	S	1	Calm	0	10	9
26	.733	.789	60.8	57.2	56.1	67.7	.453	.419	85	90	SW	1	W	1	10	10
27	.818	.819	62.7	59.5	51.6	70.3	.457	.475	81	94	Calm	0	Calm	0	9	8
28	.923	.989	63.2	55.7	55.3	72.0	.443	.361	77	82	NW	1	Calm	0	9	2
29	29.995	29.983	56.0	57.3	45.2	69.7	.389	.427	87	90	Calm	0	Calm	0	10	1
30	30.053	30.131	65.7	63.9	46.6	73.8	.444	.375	71	91	Calm	0	Calm	0	1	4
31	.205	.305	60.8	56.7	46.4	70.6	.436	.404	82	88	Calm	0	Calm	0	8	0
32	30.377	30.388	59.1	56.5	48.6	66.9	.428	.427	86	94	NE	1	Calm	0	7	0
Means	30.061	30.067	63.4	59.4	53.3	71.8	.457	.453	78.3	88.7		0.6	0.3	7.2	4.9	2.666

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	64°	57°	55°	67°	in.	in.	73	87	NE 2	NE 2	9	10	ins.	
2	29°946	29°938	64°7	57°9	55°2	67°4	444	419	73	87	NE 3	Calm 0	10	10	256	
3	29°935	30°094	57°9	54°8	50°6	61°4	330	296	69	70	NW 4	NW 4	6	7	070	
4	30°183	159	61°2	60°4	49°4	66°0	346	454	64	87	NW 2	SW 4	3	9	—	
5	129	103	64°0	61°9	55°0	70°2	430	483	72	88	SW 3	SW 2	6	3	—	in squalls p.
6	028	028	68°0	64°7	57°1	74°2	498	548	73	90	SW 4	SW 1	8	10	—	in squalls before ga.
7	013	004	65°1	63°9	54°6	71°0	439	422	71	72	NW 2	W 2	8	8	—	
8	076	30°193	64°8	55°6	55°6	67°2	459	369	76	83	N 2	NE 1	7	0	—	qp.
9	30°150	29°951	66°5	59°6	49°8	69°3	416	469	64	92	W 2	SW 4	3	10	055	
10	29°978	054	62°0	59°9	55°6	66°3	399	382	72	75	SW 3	SW 2	10	10	—	
11	892	881	58°3	59°4	55°8	66°2	386	416	79	83	SW 3	W 3	10	10	009	
12	916	29°918	60°0	59°1	54°1	65°2	416	430	80	86	W 3	Calm 0	9	10	—	
13	29°961	30°057	61°2	56°4	53°8	67°3	419	379	78	84	NE 3	NE 1	5	3	—	qp.
14	30°102	179	60°9	57°5	50°6	66°0	386	419	73	88	NE 3	SW 2	10	5	—	qp.
15	201	253	65°5	60°6	53°9	72°2	456	467	74	88	NW 3	NW 5	4	9	—	
16	304	318	63°4	61°5	54°8	69°0	457	505	79	93	Calm 0	Calm 0	8	1	—	before ga. qp.
17	327	307	71°3	66°7	56°5	75°7	475	496	62	77	W 1	SW 3	0	0	—	
18	341	333	72°9	64°2	62°1	82°0	514	518	64	86	NW 3	E 1	0	0	—	qp.
19	313	243	70°5	63°7	60°3	73°3	533	494	71	84	E 1	E 3	0	0	—	
20	191	107	71°1	65°5	62°8	73°0	546	531	71	84	E 2	NE 5	5	1	—	in squalls p. qp.
21	043	018	69°1	66°7	63°9	73°8	541	529	75	82	NE 4	NE 4	5	4	—	
22	022	30°053	68°3	62°9	62°8	74°3	546	546	79	96	E 1	Calm 0	7	10	015	
23	30°006	29°911	63°9	61°3	61°1	68°8	550	526	93	97	NE 3	NE 2	10	10	—	before ga.
24	29°790	736	65°6	63°3	60°9	70°2	537	505	85	87	SE 1	S 4	10	8	—	
25	717	800	66°7	60°7	57°1	69°7	430	434	66	83	SW 2	SW 1	9	9	—	
26	810	816	68°0	62°0	52°1	72°3	448	511	60	92	W 3	W 1	2	9	—	
27	840	29°978	64°0	60°3	59°0	71°6	461	462	77	88	NW 2	NE 2	5	10	190	
28	29°980	30°028	63°7	58°5	57°8	67°9	404	381	69	78	NE 1	NE 1	7	5	—	
29	30°061	093	62°7	54°2	50°8	67°6	413	346	73	82	W 1	N 1	9	0	270	2 at 1.30 p.
30	124	241	61°9	58°5	51°4	68°2	428	437	78	90	NW 4	NE 6	5	10	—	in squalls p.
31	30°338	30°390	63°4	59°7	58°1	65°8	464	421	80	83	NE 4	NE 3	9	9	—	Squalls a. and p.
Means	30°049	30°064	64°6	60°5	56°0	69°4	448	450	73°5	85°2	2°4	2°3	6°4	6°5	0°865	

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29°928	29°854	63°6	59°3	58°8	71°6	439	448	75	89	NE 1	NE 1	10	0	128	Pleasant day.
2	854	29°898	55°2	55°3	54°2	69°3	379	369	87	84	NE 2	NE 1	10	9	094	Sky covered with dark woolly clouds.
3	29°968	30°076	59°3	57°8	52°6	59°3	327	398	65	83	NE 1	NW 0°1	9	10	041	Fine and very pleasant a.
4	30°173	171	64°3	61°0	48°1	66°2	328	413	54	78	NW 1	SW 1	2	5	—	Beautiful day.
5	155	117	64°7	58°9	53°8	69°4	451	444	74	90	SW 2	SW 1	10	5	—	Day fine and pleasant.
6	056	055	66°8	60°3	56°7	67°5	492	425	75	82	SW 1	W 0°5	9	2	—	Beautiful day.
7	048	022	65°5	60°5	54°8	72°4	441	403	71	77	NW 1	W 1	9	5	—	Day fine and pleasant.
8	106	30°164	66°5	61°1	56°1	70°4	352	429	54	81	NE 2	SW 0°1	2	9	—	Beautiful day.
9	30°132	29°968	67°5	60°6	52°9	72°5	414	436	61	83	SW 1	W 2	8	10	018	Pleasant day. 6.30p.—8p.
10	29°967	995	63°7	57°8	53°7	71°0	369	401	62	83	NW 3	W 1	10	9	022	Beautiful day.
11	945	946	61°4	58°7	55°2	67°2	341	403	63	82	NW 3	SW 2	10	6	—	Day fine.
12	938	29°926	62°7	58°1	53°9	64°6	396	444	70	92	SW 1	W 1	10	10	160	after 8p. Very close.
13	29°960	30°027	67°5	61°0	54°6	67°5	406	433	60	81	E 1	W 0°1	1	9	—	Beautiful day.
14	30°105	166	64°0	60°0	52°7	72°4	366	409	61	79	N 2	Calm 0	1	1	—	Beautiful day. ∞ in SE. p.
15	236	238	63°5	59°3	52°0	70°6	387	423	66	84	N 2	NW 0°5	9	1	—	Day very pleasant.
16	295	291	67°8	63°4	53°3	68°5	407	494	60	85	N 3	N 0°5	2	0	—	Beautiful day.
17	324	298	70°7	67°0	56°3	74°1	474	546	63	83	NW 1	Calm 0	1	0	—	Beautiful day, but very warm.
18	346	305	76°2	70°5	61°6	82°1	517	558	57	75	N 2	N 1	1	0	—	Beautiful weather, but very warm.
19	272	174	76°5	65°6	62°8	82°1	566	532	62	85	NE 1	S 0°5	4	3	—	9.30a. Very warm. Beautiful night.
20	30°109	30°027	77°2	69°6	62°0	82°8	510	512	54	71	E 3	NE 1	0	0	—	Beautiful, but very warm day, with [pleasant breeze.
21	29°990	29°992	79°4	66°6	62°6	81°1	527	538	53	83	NE 1	NE 0°5	3	2	—	Very warm.
22	987	30°005	69°8	64°4	62°6	80°6	550	561	75	93	NE 1	NE 0°5	10	2	910	Fine and pleasant a. 0 showers about 11a. Terrific K ² with and torrents [of 2p.—3p. The storm travelled rapidly from E. to W. 9.30p.
23	982	29°879	67°4	64°1	61°5	77°4	536	521	80	87	E 1	SW 1	10	10	010	Very close a.
24	759	710	63°9	60°2	62°6	75°5	527	426	89	82	SW 1	SW 3	10	5	161	
25	753	811	64°3	60°6	56°8	72°4	373	343	62	65	NW 3	W 2	9	10	—	Beautiful day.
26	827	810	64°0	61°4	53°7	69°3	374	464	63	86	SW 1	W 0°1	9	10	079	
27	915	959	68°0	60°2	56°6	70°6	382	342	55	65	N 3	N 2	1	2	—	Beautiful day.
28	29°968	29°980	63°2	59°5	49°7	73°1	354	370	61	73	NW 0°5	SW 0°5	8	1	—	Beautiful day.
29	30°046	30°084	68°0	59°4	50°9	71°9	351	402	51	80	E 1	NE 1	1	9	—	Beautiful day.
30	173	273	65°3	60°0	52°4	72°4	363	374	58	72	NE 3	NE 1	2	0	—	Beautiful day.
31	30°348	30°334	61°8	59°2	51°7	71°9	401	402	73	80	NE 2	NE 1	9	0	—	Beautiful day, but cool a.
Means	30°054	30°050	66°4	61°3	55°7	72°2	423	441	65°0	81°1	1°7	0°9	6°1	4°7	1°623	

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	61°	57°	56°	66°	in.	in.	73	87	E	ENE	1	10	1	ins.
2	29°925	29°891	61°3	57°0	53°4	58°2	463	453	85	97	NE	2	N	0-1	10	100
3	856	29°877	55°2	53°4	53°2	58°2	387	380	89	93	NNW	1	Calm	0	10	020
4	29°933	30°062	53°8	53°0	50°5	63°0	315	327	76	81	SW	1	W	1	0	040
5	30°175	164	60°7	58°1	47°5	64°0	342	447	64	91	SW	4	W	1	0	6
6	153	123	62°1	60°0	53°0	66°0	432	475	77	92	SW	1	W	1	9	010
7	053	037	62°0	61°7	57°3	67°1	487	523	88	95	SW	4	WSW	3	10	—
8	027	003	66°4	61°5	53°6	69°5	460	463	71	85	SW	2	NW	3	3	—
9	068	30°166	63°7	55°6	55°4	70°0	403	375	69	84	NNE	2	NE	0-1	6	—
10	30°151	29°990	63°3	59°6	50°4	67°2	437	489	75	95	S	0-1	SW	4	8	070
11	945	956	61°7	59°0	54°0	66°3	411	380	75	76	W	1	W	1	10	—
12	923	909	59°9	59°1	53°2	65°0	416	421	81	84	W	2	W	4-5	10	—
13	920	29°919	63°3	57°9	54°9	66°8	403	428	70	89	W	3	Calm	0	9	105
14	29°940	30°033	58°0	56°3	54°0	67°1	413	387	85	85	NE	2	E	1	9	—
15	30°074	155	61°4	56°0	52°4	66°4	434	408	80	91	E	1	Calm	0	10	—
16	204	208	63°4	62°3	53°3	71°9	436	446	75	79	W	1	NE	1	0	010
17	286	292	66°2	61°1	54°4	70°2	478	460	75	85	S	1	NE	0-1	1	—
18	316	294	71°2	64°9	58°1	74°1	477	515	62	84	NE	2	NW	0-1	0	—
19	323	308	71°9	66°0	63°3	79°6	506	510	64	82	NE	5	Calm	0	0	—
20	291	200	70°6	65°0	63°5	76°6	530	495	71	66	ESE	1	NE	3	0	—
21	145	30°053	69°8	65°2	62°3	76°6	527	514	73	83	ENE	2	NE	3	2	—
22	30°005	29°983	71°0	68°8	61°7	77°6	543	519	71	74	NE	2-3	NNE	2	1	—
23	29°984	30°008	72°3	66°6	62°9	75°1	613	559	77	86	S	0-1	NE	0-1	2	—
24	988	29°917	67°2	62°1	60°4	76°3	564	526	85	94	N	1	S	0-1	1	—
25	784	708	62°5	61°8	59°3	69°1	545	520	90	94	SSW	2	SSW	0-1	10	—
26	745	787	58°5	58°2	55°4	66°5	426	421	86	87	W	4	W	0-1	10	—
27	815	805	62°9	62°0	53°2	67°9	408	531	71	96	SW	2	SW	1	3	370
28	865	930	66°6	59°0	56°5	72°9	467	464	72	93	N	2	NNE	1	5	010
29	954	29°982	64°3	57°9	55°8	67°7	436	388	73	80	NE	2	NE	2	8	020
30	951	30°083	64°4	56°0	53°6	68°5	383	368	63	82	E	1	NE	2	8	055
31	129	223	62°4	57°9	51°3	69°5	408	376	73	78	N	4	NNE	5	1	010
32	30°395	30°339	64°9	57°9	55°9	67°3	428	400	72	83	NE	5	NE	5	4	—
Means	30°043	30°045	65°9	60°0	55°7	69°4	451	448	75°6	85°9	2°1		1°6	5°5	5°2	0°820

BABBACOMBE.

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

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	62.8	59.8	51.0	67.5	in.	in.	%	%	NE 1	Calm 0	7	9	ins.	h n. Wind SSE at 1p. SSW at 10.30p.
2	29.928	29.924	56.1	53.3	53.3	60.3	.428	.384	95	95	NNE 1	WSW 1	10	9	.080	h p. Wind NNE at 5p. SW at 6.30p.
3	30.002	30.122	57.5	55.8	52.3	66.5	.358	.351	76	78	NW 1	NNW 4	10	0	—	h before 9a.
4	.197	.210	65.8	60.3	51.0	71.2	.404	.400	64	88	NW 1	WSW 3	7	1	—	h n. and after 9p.
5	.174	.146	64.8	57.8	53.7	67.8	.472	.421	78	87	WSW 3	WSW 3	7	9	—	h n. and 7p.—9p.
6	.070	.086	66.5	60.8	57.5	71.4	.539	.454	84	85	W 3	W 1	9	4	—	
7	.082	.061	65.0	59.7	53.9	71.8	.433	.443	71	87	WNW 2	W 1	10	10	.020	
8	.132	.205	65.9	56.9	56.9	69.8	.446	.364	71	78	ENE 1	NW 1	4	1	—	Large 2p. and 2.30p. D after 8p.
9	.160	.033	66.0	58.1	51.6	68.6	.431	.431	68	88	W 2	W 1	9	9	.010	h before 9a.
10	.026	.050	59.4	57.5	52.8	64.9	.370	.384	73	82	WNW 2	WNW 3	10	9	—	Squalls p.
11	30.019	30.014	58.0	58.0	54.3	63.8	.374	.406	78	84	WNW 2	WNW 2	10	10	—	
12	29.985	29.905	59.5	58.8	54.8	63.9	.389	.482	77	97	W 2	SW 3	9	10	.570	h p.
13	29.960	30.064	56.6	57.6	56.0	65.9	.404	.406	88	85	ENE 4	WNW 1	10	0	—	h early n. h all day. D p.
14	30.128	.196	63.6	56.9	54.2	67.9	.386	.375	66	81	NW 2	NNW 4	1	1	—	h before 9a.
15	.268	.276	61.9	59.9	54.2	65.9	.427	.430	78	84	NNE 1	NNW 2	9	9	—	h p.
16	.324	.317	65.0	63.8	54.9	71.7	.451	.507	74	85	NE 1	NW 1	9	0	—	[D after 9p.
17	.338	.335	68.5	67.6	56.1	77.1	.507	.554	73	82	NE 1	NNW 1	0	0	—	Wind ESE at 11a., SW at 6p. h p.
18	.369	.326	71.4	69.9	61.7	78.3	.533	.576	69	79	ENE 2	ENE 1	0	0	—	h n. D after 9p.
19	.285	.178	68.0	64.8	63.8	75.7	.554	.529	80	87	ENE 2	E 1	6	3	—	h n. 8 (brown h) to 5p. < in NNW after 11p.
20	.087	.011	67.0	67.3	63.1	69.3	.545	.494	83	74	E 4	NE 2	1	3	—	h in S. after 9.20p., in SE 10.45p.—11.15p. Distant T in SSE after 11p. K in S. to 2.30a. K 4 miles to S 5.35a. K 6a. T 6p. < 11p. 6 miles to WNW 3p. Distant T in NE 1.20p.—1.50p. T in N and then NW 3.15p. h.
21	30.000	30.002	66.7	63.6	63.6	72.3	.533	.511	82	86	SE 2	Calm 0	10	3	—	
22	29.986	29.998	71.6	64.2	61.1	76.7	.531	.543	69	91	ENE 2	ENE 2	5	10	.050	
23	.967	.870	60.8	61.3	60.4	64.9	.522	.539	98	99	E 2	Calm 0	10	10	.070	Wet h all day.
24	.762	.768	63.3	59.9	59.9	69.6	.543	.427	93	84	SW 1	W 4	9	9	—	Wet h n.
25	.795	.847	66.7	56.0	55.2	70.3	.370	.374	56	83	WNW 4	WNW 2	2	3	.050	Squalls p. D after 8p.
26	.834	29.813	64.0	60.2	56.0	71.1	.472	.507	79	98	NW 4	E 1	9	9	.460	Squalls 9a. h and squalls p.
27	.964	30.032	66.9	54.4	54.4	69.8	.436	.342	66	80	NNW 3	WNW 2	3	3	—	Squalls before 9a. O 7p.—7.30p.
28	29.997	29.976	59.0	58.4	52.2	67.4	.373	.384	75	79	Calm 0	Calm 0	9	9	—	Wind NE at 8a., S at 6.30p.
29	30.048	30.086	63.8	59.7	52.5	69.8	.441	.410	75	80	ENE 2	WNW 1	1	2	—	Wind SE at 2.45p., S at 4p., SW at 5p.
30	.190	.279	63.0	63.3	57.8	68.9	.377	.394	65	68	ENE 3	N 1	6	3	—	h a. and p.
31	30.353	30.324	61.7	61.8	56.6	66.1	.388	.428	72	78	ENE 4	ENE 2	1	0	—	
Means	30.074	30.075	63.8	60.1	56.0	69.2	.447	.441	75.8	84.3	2.1	1.6	6.5	5.1	1.510	

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

JULY 1878.

1	29.977	29.993	67.8	55.4	53.9	68.4	.473	.422	69	96	SE 1	Calm 0	2	10	.727	h a. T from 4p. h p. K 2 8p.
2	29.875	29.929	61.6	57.2	53.7	67.5	.448	.420	82	90	SW 2	N by E 2	6	10	—	h a.
3	30.026	30.148	62.3	55.0	53.2	64.1	.409	.381	74	88	NW 2	NW 1	9	0	—	h 9p.
4	.258	.279	65.5	56.8	53.4	68.4	.440	.429	71	92	NW 2	Calm 0	2	0	—	h a. D 9p. Very fine, cool breeze
5	.263	.224	64.6	57.0	55.0	69.8	.432	.420	72	90	SW 2	Calm 0	0	0	—	Day extremely fine. D 9p.
6	.174	.162	63.1	60.1	56.0	67.8	.464	.500	81	96	SW 3	NW 1	9	10	.085	Scotch h 9p.
7	.137	.125	65.7	59.2	58.6	67.5	.500	.464	80	93	NW 1	W 1	7	6	—	O 11a. Partial O 5.40p. D 9p. W.
8	.143	.216	64.9	58.1	57.9	69.9	.407	.414	76	86	NNE 1	N 1	10	0	—	Day extremely fine. D 9p. Sea temp. [at 5p. 63° 5.
9	.226	.117	65.3	60.1	55.7	68.1	.440	.503	72	97	W 2	W 2	4	10	.037	
10	.083	.098	63.2	59.0	57.1	66.9	.450	.419	78	84	NW 2	W 2	9	9	—	
11	.092	.079	64.6	59.2	56.9	68.0	.456	.433	76	87	W 3	W 2	9	10	.005	Sun hot at times.
12	30.057	.002	63.6	60.3	57.9	67.8	.464	.480	79	92	W 4	SW 1	8	10	.145	
13	29.951	.060	63.1	59.9	59.2	65.3	.538	.419	93	82	Calm 0	NE 2	10	0	.079	h to 1p. D p. [9p.
14	30.133	.189	68.9	58.2	55.6	71.0	.428	.430	60	88	N 1	N 2	0	0	—	h before 9a. Day extremely fine. D
15	.267	.286	67.2	58.2	55.6	71.1	.395	.445	59	91	NE 3	NE 1	0	0	—	h a. D 9p.
16	.320	.318	69.0	60.9	57.2	71.3	.472	.438	66	83	NE 2	NE 1	0	0	—	Day very fine. h (SE) p. D 9p.
17	.328	.323	70.4	66.1	59.2	76.0	.469	.439	63	69	E 3	NE 1	0	0	—	Temp. of sea-water 64° 5 at 1p.
18	.357	.320	75.4	68.5	63.5	80.5	.472	.493	54	71	E by N 2	NE 1	0	0	—	Day very fine and warm. h p.
19	.265	30.148	74.7	68.4	64.4	78.7	.551	.474	64	68	NE 4	NE 4	0	0	—	Very dry, dusty, & warm. h at times.
20	30.066	29.974	74.8	71.1	65.3	80.1	.567	.566	66	74	NE 3	SW 2	0	10	.004	Hot morning. T from 6.30p. K 8p. [T < 2 nearly all night; very 2 at [sea, 5 miles to SSW, but none on land.
21	29.983	30.012	72.4	68.3	63.9	73.8	.587	.519	74	76	SW 2	Calm 0	4	10	.016	T 7.30a. Hot sun at times.
22	30.010	30.032	66.9	62.8	62.1	69.3	.561	.543	86	95	W 2	Calm 0	10	10	.240	Scotch h at times p.
23	30.010	29.959	65.0	63.1	61.2	70.3	.576	.545	93	94	S by E 1	W 1	10	10	.053	
24	29.832	.854	62.6	60.6	60.5	68.0	.544	.461	95	87	SW 3	W 2	9	8	.030	
25	.872	.920	67.3	58.9	58.2	70.0	.473	.423	71	86	SW 3	W 2	4	0	.038	Day very fine at times. D 9p.
26	.906	29.905	64.6	62.4	58.0	69.4	.561	.550	92	98	W 1	SW 2	9	10	.269	Squally p.
27	29.988	30.055	65.9	60.9	59.2	71.0	.497	.450	79	85	NW 3	W 2	7	9	—	
28	30.018	.001	61.1	61.2	53.8	65.3	.415	.428	78	80	Calm 0	E 1	10	10	.098	Temp. very steady. Much cooler.
29	.052	.100	63.5	61.0	59.0	72.1	.467	.410	80	77	E 2	Calm 0	9	0	—	Extremely fine.
30	.179	.290	66.4	60.5	56.7	70.6	.390	.452	60	86	NE 3	NE 2	5	0	—	O for a few mins. 9a. Day extremely
31	30.333	30.304	64.9	61.7	57.2	68.5	.398	.467	64	85	NE 4	ENE 2	7	0	—	Squalls 9p. [fine. D 9p.
Means	30.103	30.107	66.3	61.0	58.0	70.2	.478	.459	74.4	86.0	2.2	1.4	5.5	4.9	1.826	

JULY.

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.


JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	60.0	60.8	54.3	73.1	in.	in.	%	%	E 2	ESE 2	6	10	ins.	p 9p.
2	29.960	29.930	62.0	53.1	53.0	65.1	.477	.430	75	81	N 1	N 1	5	1	.004	
3	29.969	30.029	62.0	53.1	53.0	65.1	.375	.286	68	64	NW 2	NW 1	8	8	—	
4	30.056	30.135	58.0	54.1	50.3	63.4	.396	.338	82	80	SSE 1	SW 4	10	9	.002	
5	30.069	29.972	56.2	61.2	52.3	65.4	.370	.477	82	89	SSW 3	SW 1	10	10	.036	
6	29.871	.870	63.2	61.0	59.6	69.7	.544	.506	94	95	SW 2	WSW 1	10	10	.030	
7	29.936	29.939	61.7	57.8	55.1	64.1	.434	.427	80	89	NW 1	Calm 0	10	3	.013	
8	30.000	30.068	60.1	54.9	54.5	68.0	.419	.379	80	89	NNW 2	SSW 1	4	10	.020	
9	30.189	30.137	59.8	57.8	50.2	64.7	.400	.395	78	82	W 3	WNW 2	9	10	.050	
10	29.989	29.972	58.8	54.1	53.6	62.2	.378	.362	76	86	WNW 3	WSW 2	10	10	.133	
11	.971	.978	56.9	54.5	53.0	59.9	.384	.360	83	85	WNW 3	WNW 1	10	10	.219	
12	.950	.963	56.1	54.9	52.9	60.6	.410	.407	90	95	Calm 0	NNW 1	10	8	—	
13	29.927	29.966	56.0	56.6	52.7	66.1	.388	.360	86	78	NNW 2	NNW 1	1	10	—	
14	30.097	30.190	62.0	55.9	45.3	64.6	.413	.325	75	73	NNW 3	NW 1	10	10	.033	
15	.235	.286	56.1	56.1	54.4	59.1	.367	.410	81	90	NW 2	NW 1	10	10	.003	
16	.291	.301	58.2	57.9	55.5	64.1	.410	.461	84	96	SW 2	Calm 0	10	10	—	
17	.311	.318	65.0	57.1	57.1	69.0	.484	.439	84	93	SW 1	Calm 0	10	10	.080	
18	.326	.380	63.5	64.0	55.7	72.1	.502	.532	86	89	WNW 1	SW 1	10	9	.004	
19	.431	.429	65.6	60.6	60.5	71.6	.570	.493	98	93	S 1	Calm 0	8	7	.001	
20	.345	.230	69.6	60.9	57.2	76.3	.549	.494	76	93	NW 1	NW 2	7	6	.001	
21	.166	.124	64.0	58.7	57.2	76.3	.502	.466	84	95	NW 1	NNW 1	9	1	—	
22	.107	.109	63.1	59.5	57.5	71.1	.476	.463	82	92	NNW 1	Calm 0	0	0	—	
23	30.109	30.042	67.0	65.0	53.3	80.9	.502	.551	76	89	SE 2	Calm 0	1	10	.170	
24	29.900	29.741	70.9	62.0	53.0	79.9	.566	.524	75	95	NNW 3	NNW 3	9	10	—	
25	.729	.786	60.9	57.5	57.4	64.2	.414	.375	79	80	NW 1	Calm 0	10	10	.060	
26	.770	.749	57.5	58.3	51.3	65.7	.364	.423	77	86	NE 1	NNE 1	10	1	.282	
27	29.763	29.937	61.2	54.9	54.6	62.8	.510	.353	95	83	NNW 3	Calm 0	10	1	—	
28	30.038	30.035	58.3	50.5	47.9	64.2	.371	.334	76	91	E 1	ENE 1	7	9	—	
29	29.992	.053	60.7	58.2	40.4	65.9	.335	.382	63	79	NNE 1	Calm 0	7	10	—	
30	30.151	.211	60.0	55.9	44.7	64.9	.372	.356	72	80	ENE 1	Calm 0	10	3	—	
31	.286	.331	60.7	55.1	46.3	68.8	.364	.391	69	90	ESE 2	SE 2	0	0	—	
31	30.355	30.316	64.0	61.1	46.2	73.1	.411	.454	69	84					—	
Means	30.074	30.083	61.3	57.7	52.8	67.6	.434	.417	79.8	86.6	1.7	1.0	7.8	7.3	1.141	

BIRR CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. $7^{\circ} 55' \text{ W.}$ Lat. $53^{\circ} 6' \text{ N.}$

JULY 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	60.4	56.2	55.2	70.2	.442	.380	85	84	NE 1	NE 1	9	3	—	
2	29.943	29.935	60.4	58.4	47.4	65.0	.368	.352	70	72	NNE 1	NNW 0.5	7	10	—	
3	29.964	30.006	60.4	57.1	56.4	66.6	.378	.410	77	87	NNW 1	NW 0.5	7	10	—	
4	30.088	.150	58.5	57.1	56.4	66.6	.378	.410	77	87	NNE 1	NW 0.5	7	10	—	
5	30.120	30.049	59.5	62.3	57.1	67.9	.379	.477	74	85	SW 1	SW 1	10	10	.010	
6	29.973	29.945	65.6	62.4	59.2	70.5	.522	.521	83	93	SSW 2	SW 3	10	10	.101	
7	29.993	30.039	63.3	57.6	57.4	66.5	.428	.448	73	94	SSW 2	WNW 0.5	8	10	.050	
8	30.043	.045	61.4	59.1	56.5	67.0	.429	.483	79	96	WNW 2	Calm 0	10	10	.068	
9	.226	.204	61.5	58.5	57.3	69.7	.410	.417	75	85	NW 1	WSW 1	6	10	.010	
10	.096	.022	60.0	56.0	56.0	64.1	.412	.408	80	91	NW 2	WNW 3	10	9	—	
11	.031	.046	57.2	56.0	54.2	61.5	.381	.358	81	79	NW 1	W 1	10	10	.003	
12	30.005	30.006	57.1	56.0	53.1	60.7	.427	.378	91	84	WNW 1	NW 1	10	9	.023	
13	29.948	29.939	56.8	54.8	50.6	60.7	.417	.406	90	94	Calm 0	NE 0.5	10	0	.185	all day.  9p.
14	30.083	30.187	60.8	56.7	45.9	73.4	.391	.392	74	85	NE 0.5	NNW 0.5	0	0	—	
15	.245	.308	56.7	57.0	56.4	61.2	.387	.402	84	86	NW 1	NW 0.5	10	10	—	
16	.319	.325	61.1	60.7	56.4	67.4	.457	.494	85	94	WSW 0.5	Calm 0	10	10	.006	
17	.367	.369	59.5	59.7	59.0	72.6	.480	.464	92	91	SW 0.5	W 1	10	8	—	
18	.383	.413	64.7	66.4	57.5	74.4	.485	.584	80	90	WSW 0.5	WNW 1	10	10	—	
19	.449	.419	69.7	66.8	62.8	74.1	.573	.592	78	90	NNW 0.5	Calm 0	10	9	—	
20	.339	.210	70.6	66.0	62.7	78.4	.588	.532	78	82	NE 0.5	NE 0.5	5	2	—	
21	.142	.106	69.7	65.0	57.3	80.5	.544	.551	74	89	NW 0.5	Calm 0	8	1	—	T 5.40p.
22	.097	.091	70.5	66.0	61.8	78.8	.554	.522	74	82	N 0.5	Calm 0	5	0	—	
23	30.100	30.035	71.0	66.3	57.3	83.3	.510	.515	67	80	N 0.5	ENE 0.5	0	1	—	
24	29.930	29.784	73.2	62.7	62.7	80.5	.616	.547	75	96	SE 1	S 0.5	3	10	1.977	K 8p.—9p.
25	.766	.810	61.9	55.6	55.1	67.7	.434	.380	78	85	W 2	WNW 2	9	1	—	
26	.801	.779	61.6	58.6	50.0	67.5	.341	.464	63	95	NNW 1	W 0.5	6	10	.098	
27	29.801	29.899	62.6	59.3	57.8	68.5	.442	.451	78	90	WNW 2	N 0.5	10	10	.028	
28	30.064	30.040	62.0	55.0	55.0	66.5	.345	.372	62	86	WNW 0.5	Calm 0	9	7	—	
29	30.079	.042	63.5	59.6	51.4	69.4	.342	.415	59	81	E 0.5	E 0.5	9	10	—	
30	30.137	.203	63.6	55.4	54.3	68.2	.378	.350	65	80	N 1	Calm 0	5	10	—	
31	.281	.367	64.0	58.4	54.7	73.7	.400	.385	67	79	Calm 0	Calm 0	4	0	—	
31	30.363	30.338	60.8	60.4	57.3	75.6	.455	.453	85	87	SSE 0.5	SE 0.5	0	1	—	
Means	30.099	30.101	62.9	59.7	56.0	70.1	.442	.448	76.6	86.8	0.9	0.7	7.4	6.8	2.559	

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. $3^{\circ} 40' W.$ Lat. $56^{\circ} 27' N.$

AUGUST 1878.

1	30° 37'0	30° 35'2	63° 3	51° 7	44° 5	75° 0	*455	*355	78	92	?	1	E	1	1	0	—	☉ ⁰ 9p.
2	*286	*287	63° 2	51° 5	49° 0	67° 8	*427	*418	74	97	E	3	S	1	3	4	—	☉ ⁰ 9p.
3	*138	*118	65° 0	62° 8	43° 5	72° 7	*418	*397	68	70	ENE	2	NE	4	1	3	—	☉ ⁰ n.
4	30° 04'2	30° 01'2	68° 5	61° 0	58° 5	76° 7	*458	*470	65	88	NE	7	NE	6	5	7	*250	Squally day.
5	29° 98'4	29° 98'4	59° 3	57° 5	57° 5	75° 7	*495	*307	98	65	E	3	E	2	10	7	*090	Drizzling ☉ a. Fine p.
6	*871	*756	58° 8	59° 0	57° 5	65° 7	*487	*493	98	99	E	3	E	4	10	10	*490	Drizzling ☉ since 6a. ☼ ² .
7	*661	29° 67'2	58° 3	55° 5	57° 5	64° 7	*477	*475	98	97	E	2	S	2	10	8	*410	☼ ² 9a. ☼ during day.
8	29° 79'1	30° 00'4	63° 0	55° 3	54° 5	67° 7	*474	*354	82	81	S	2	W	3	4	2	*030	☼ before 9a.
9	30° 08'4	29° 06'7	55° 5	57° 0	43° 5	69° 7	*328	*405	75	87	SE	1	E	1	7	8	*060	☉
10	29° 73'1	*613	55° 5	56° 0	53° 5	61° 7	*435	*405	99	90	E	1	NW	4	10	5	*130	Squally before 9a. ☉ ² p.
11	*641	*490	59° 3	55° 4	44° 5	64° 7	*495	*420	98	96	SW	4	SSW	1	3	8	*370	☉ began at 7p.
12	*292	*308	61° 0	54° 5	53° 5	65° 7	*397	*368	75	87	W	2	SW	3	3	8	*040	☉
13	*266	*352	61° 0	53° 0	53° 0	65° 7	*341	*361	64	90	WNW	5	W	2	5	2	—	☉
14	*311	*458	61° 5	55° 8	43° 5	67° 7	*378	*380	70	85	SE	2	ENE	2	1	6	—	☉
15	*492	*458	56° 8	52° 3	51° 5	59° 7	*408	*384	88	98	E	2	E	4	8	10	1170	☉ began at 1.30p. and continued all day.
16	*397	*467	54° 8	49° 5	49° 0	57° 0	*359	*271	84	77	E	2	NW	8	8	8	*120	☉
17	*689	*670	55° 3	52° 3	45° 5	59° 7	*278	*384	63	98	SW	3	W	1	2	10	*100	☉
18	*867	*964	58° 3	58° 0	48° 5	66° 7	*371	*362	76	75	SW	4	WNW	4	7	4	—	☉
19	29° 99'0	29° 99'6	56° 0	51° 3	48° 5	69° 5	*391	*378	87	100	E	2	E	3	8	10	*340	☉ from 4p.
20	30° 01'4	30° 02'0	50° 0	53° 3	48° 0	57° 0	*342	*378	95	93	E	2	E	1	10	10	—	☼ 9a.
21	*028	*026	55° 0	55° 0	50° 5	63° 7	*357	*412	83	95	ESE	1	E	2	8	8	*015	☉
22	30° 07'1	30° 00'6	56° 0	54° 0	48° 8	63° 7	*386	*368	86	88	E	2	ENE	2	7	7	—	☉
23	29° 90'9	29° 83'0	54° 0	52° 5	47° 5	57° 7	*360	*354	86	90	E	4	NE	4	7	8	—	☉
24	*711	*600	55° 0	56° 3	49° 5	58° 7	*349	*444	81	98	ENE	5	E	3	7	10	*173	☉ all the afternoon.
25	*503	*506	57° 3	57° 5	55° 5	66° 7	*461	*461	98	98	E	2	E	2	10	10	—	☼ a. and p.
26	*466	*466	59° 3	59° 0	55° 5	65° 7	*441	*452	88	91	SW	2	Calm	0	8	7	*030	☼ a. ☼ afternoon.
27	*504	*533	57° 3	55° 0	55° 0	67° 7	*439	*427	93	99	SE	1	SW	1	6	4	*230	☉
28	*628	*695	62° 0	58° 8	49° 0	66° 7	*413	*404	75	94	SE	2	S	1	1	9	*050	☉
29	*751	*687	56° 3	54° 0	53° 8	62° 0	*430	*388	95	93	E	2	NE	4	7	8	*448	☉
30	*457	*479	55° 0	56° 0	52° 5	59° 7	*403	*391	93	87	NE	5	N	5	10	8	*260	☉ n. continuing steadily all day.
31	29° 61'7	29° 75'6	59° 0	57° 5	50° 5	61° 7	*394	*458	79	97	N	4	N	5	7	7	—	☉
Means	29° 76'0	29° 75'9	58° 4	55° 6	50° 8	65° 3	*408	*399	83° 6	90° 2		2° 7		2° 6	6° 3	7° 0	4° 8'6	

DURHAM.

Height above Mean Sea Level, 335 feet. Long. $1^{\circ} 35' W.$ Lat. $54^{\circ} 46' N.$

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.		
1	ins.	ins.	°	°	°	°	in.	in.	%	%	ENE 0.7	NE 0.8	0	10	ins.	
2	30°366	30°266	67.2	55.4	42.7	70.8	.428	.366	64	84	NNE 2.0	NNE 2.0	0	10	—	
3	30°186	30°094	58.7	57.3	53.7	65.3	.446	.449	91	95	NNE 4.6	NE 1.2	10	10	1.535	in squalls 10a.
4	29°947	29°904	61.3	59.8	57.3	65.3	.444	.490	83	96	NE 1.6	E 0.5	10	10	.240	
5	.872	.892	61.2	56.8	56.6	64.2	.510	.456	95	98	ESE 0.6	E 0.8	7	10	.018	10p.
6	.922	.916	65.3	56.8	56.4	73.0	.484	.456	78	98	ENE 0.5	Calm 0.0	10	10	.220	
7	.783	.702	61.2	56.8	56.5	68.0	.527	.456	98	98	S 0.9	S 0.9	9	0	—	
8	.660	29°776	63.1	57.7	55.8	74.4	.529	.428	91	90	WSW 1.1	SW 0.4	7	10	—	
9	29°870	30°075	65.6	57.7	55.6	74.2	.458	.366	73	77	Calm 0.0	SSE 0.7	1	10	.156	
10	30°091	29°907	67.3	57.0	52.5	72.3	.416	.411	62	88	S 0.2	WSW 1.7	10	3	.926	10p.
11	29°708	.599	60.3	56.2	52.3	62.5	.500	.391	96	87	WNW 0.9	SSW 3.0	6	10	.022	
12	.686	.533	64.1	59.3	50.1	70.5	.378	.401	63	79	WNW 0.8	SSW 3.2	7	4	.158	
13	.383	.423	63.2	57.0	55.9	70.9	.418	.380	72	82	SW 1.1	S 0.8	10	9	.390	
14	.411	.373	57.3	56.3	55.2	67.4	.449	.448	95	99	NE 1.1	W 0.7	10	0	—	
15	.288	.481	61.0	54.4	53.7	67.8	.425	.376	80	89	SSW 0.8	S 0.2	10	8	.070	
16	.498	.451	61.4	54.2	48.2	72.3	.464	.358	86	85	SSW 0.7	NE 0.5	8	9	.388	10p.
17	.364	.435	62.5	53.4	49.4	71.1	.432	.406	77	99	WSW 1.4	WNW 1.4	9	10	.010	in squalls p.
18	.693	.786	59.0	57.9	49.0	65.2	.497	.414	99	86	WNW 0.9	WNW 0.7	7	0	—	
19	.929	.973	64.2	54.1	53.5	74.2	.458	.384	76	91	NE 0.8	Calm 0.0	10	9	—	10p.
20	.943	29°978	61.8	51.7	49.2	67.8	.493	.367	90	96	E 0.1	NNE 0.2	10	10	—	
21	29°983	30°039	59.3	53.6	51.5	65.9	.359	.375	71	91	SSE 0.7	S 1.1	7	0	—	
22	30°038	30°048	62.8	52.5	51.5	72.3	.531	.357	93	91	SSE 0.7	ESE 0.6	6	1	—	
23	30°052	29°973	60.3	52.0	45.6	66.1	.364	.318	70	82	NE 0.9	NE 1.7	10	10	.594	
24	29°794	.672	58.1	56.4	50.7	60.1	.374	.377	78	83	E 0.8	NE 0.5	10	10	.046	
25	.521	.497	59.2	58.3	55.9	65.2	.494	.484	98	99	NE 0.7	W 0.2	10	6	—	
26	.470	.478	62.6	55.9	55.9	69.1	.454	.432	80	97	NW 0.2	SW 0.2	5	0	—	
27	.456	.524	66.1	55.4	55.0	70.3	.439	.433	69	98	S 0.8	SW 0.5	0	5	.180	10p. 10a. 10p.
28	.555	.551	69.5	56.3	50.1	72.4	.487	.442	68	97	WSW 0.5	SW 0.5	6	0	.182	10p.
29	.589	.607	54.3	54.3	70.2	.472	.411	73	97	E 0.8	ENE 1.0	10	10	.817	10p.	
30	.697	.423	60.0	56.2	49.4	61.1	.475	.449	92	100	NW 0.5	S 0.9	10	10	.650	
31	.292	.355	64.7	56.3	56.2	69.6	.521	.448	86	99	NNW 0.8	NNW 0.5	10	9	.212	
31	29°531	29°737	58.2	56.1	56.1	66.2	.476	.427	98	94						
Means	29°728	29°730	62.4	55.9	52.8	68.6	.458	.411	82.1	91.8	0.9	0.9	7.9	6.9	6.814	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. $4^{\circ} 30' W.$ Lat. $54^{\circ} 10' N.$

AUGUST 1878.

	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	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	30° 326	30° 201	65° 9	62° 8	42° 4	73° 4	524	347	82	62	ESE	1	ESE	1	0	2	ga. and gp.	
2	30° 134	30° 051	63° 4	60° 0	52° 5	68° 9	394	420	67	81	E	4	NNE	4	3	0		
3	29° 942	29° 897	61° 8	61° 0	56° 0	66° 2	418	464	76	87	NE	6	NE	5	8	10		
4	840	785	64° 4	61° 1	59° 2	70° 4	483	479	80	80	NE	6	ESE	3-5	10	4	in squalls p.	
5	821	821	60° 3	60° 4	58° 0	65° 9	449	509	86	97	E	5	ESE	4	10	10	415 7p.—5a., 6th.	
6	741	645	58° 9	61° 8	56° 4	66° 8	499	489	100	88	E	2	Calm	0	10	8	005 9p.—11p.	
7	670	29° 735	58° 9	57° 1	56° 2	66° 6	475	421	96	90	SE	2	Calm	0	0	3	ga.	
8	29° 906	30° 106	64° 9	57° 1	56° 4	68° 3	482	433	79	92	W	5	Calm	0	5	9		
9	30° 070	29° 895	61° 4	61° 0	56° 0	65° 1	486	472	90	88	S	1	ESE	2	10	10	200 9.15p. continuing 11 hours.	
10	29° 641	711	58° 8	51° 6	51° 6	65° 7	494	361	99	85	ESE	3	Calm	0	10	1	p. p.	
11	718	448	60° 5	57° 6	48° 3	63° 6	434	460	83	97	SSW	3	SSE	5	7	10	355 8.30p.—2a., 12th.	
12	433	440	61° 1	58° 6	55° 6	65° 4	390	293	73	60	W	3	SW	6	2	6		
13	466	313	61° 4	58° 7	56° 0	62° 9	415	495	77	100	W	5	SSW	1	8	10	1145 8p.—5a., 14th.	
14	322	520	60° 0	51° 5	51° 5	65° 8	479	359	93	94	NW	2	Calm	0	9	2	145	
15	488	436	60° 9	55° 0	54° 4	65° 0	435	412	82	95	SW	3	Calm	0	4	8		
16	380	525	59° 0	53° 4	53° 3	60° 9	467	317	94	78	NW	2	NW	6	9	3		
17	708	29° 832	56° 0	58° 5	50° 1	60° 9	399	452	89	92	SW	3	W	2	10	10	390	
18	968	30° 008	62° 3	53° 0	52° 8	67° 7	452	380	80	94	W	2	Calm	0	7	0		
19	924	29° 912	63° 6	61° 7	50° 2	68° 0	424	437	72	79	NE	2	ESE	3	2	10	004	
20	29° 931	971	58° 8	55° 0	55° 0	61° 8	403	412	81	95	ESE	3	Calm	0	10	7		
21	30° 003	963	62° 7	61° 7	54° 9	65° 5	435	425	76	77	ESE	3	SE	4	2	2		
22	29° 970	867	61° 7	58° 8	56° 3	63° 7	434	405	79	82	E	4	E	5	2	9		
23	725	645	56° 5	56° 4	54° 8	58° 8	351	402	76	89	E	6	NE	3	10	10	205 9.30a.—5p.	
24	534	496	57° 0	55° 1	54° 2	62° 4	385	435	82	100	NE	6	Calm	0	9	8	028 p. T 4p.—6p.	
25	460	498	60° 1	52° 3	52° 3	64° 6	446	376	86	96	S	1	Calm	0	9	3		
26	477	517	63° 5	56° 7	48° 5	66° 9	434	433	74	95	E	1	Calm	0	5	10	104 a. and p.	
27	538	421	61° 1	57° 9	55° 8	64° 7	476	461	88	96	S	2	Calm	0	8	10	136	
28	591	730	63° 3	52° 9	52° 8	66° 1	428	396	73	99	W	1	Calm	0	2	2		
29	657	380	59° 3	57° 8	52° 9	60° 7	473	449	94	94	E	1	ESE	3	10	10	445	
30	342	468	61° 2	57° 5	52° 6	63° 9	477	449	89	95	Calm	0	NW	3	6	10	040	
31	29° 617	29° 853	60° 6	56° 1	50° 0	64° 6	451	380	85	84	NNW	5	NW	3	9	9		
Means	29° 721	29° 716	60° 9	57° 4	53° 3	65° 2	445	420	83° 3	89° 0	5° 0		2° 1	6° 6	6° 6	3° 707		

WAKEFIELD.

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

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	56.4	56.2	45.1	72.8	ins.	ins.	85	85	NE	NE	9	2	ins.	Clouds low and soft ga.
2	30.307	30.264	62.1	59.7	54.4	73.4	389	395	74	71	NE	NNE	8	9	—	Clouds low and dense ga. and op.
3	29.138	29.031	61.0	61.2	58.2	63.8	500	496	93	92	NE	NE	10	10	.450	Clouds low, soft and dense op.
4	29.877	29.881	61.0	61.2	58.2	63.8	500	496	93	92	NE	NE	10	10	.450	Clouds low, soft and dense op.
5	785	829	63.0	60.8	60.6	68.4	514	489	90	92	NE	NE	10	4	.770	Clouds very low and soft ga. Close and sultry. T 4.50p.
6	913	882	63.3	59.6	55.8	71.8	451	431	77	85	ESE	E	6	3	.080	Clouds low and soft ga. Close and sultry. T 4.50p.
7	776	680	60.3	58.0	55.1	69.4	483	457	93	94	NE	NE	10	10	.420	Clouds low and soft ga. Close and sultry. T 4.50p.
8	714	29.832	62.0	61.2	56.2	72.8	500	434	90	81	alm	alm	9	3	.010	Clouds soft and dense, air close and heavy ga.
9	29.946	30.071	64.8	60.2	57.9	71.1	439	434	72	84	WSW	W	4	5	—	Clouds heavy and dense op. Sultry.
10	30.119	29.990	65.8	62.4	49.5	70.6	381	479	61	85	SSE	SE	3	10	.440	Clouds low and soft ga.
11	29.720	639	60.0	60.6	57.4	65.8	489	454	95	86	E	W	10	1	.310	Clouds low, soft and very dense S.-NW.
12	762	618	61.2	61.9	52.2	69.2	389	415	73	76	WSW	S	5	10	.250	Clouds low and soft ga.
13	444	529	64.8	59.2	57.2	67.8	457	351	75	70	WSW	S	8	4	.080	Clouds low, soft and very dense S.-NW.
14	519	421	60.4	60.2	56.8	63.0	365	479	60	92	SW	SW	7	10	.780	Clouds low and soft ga.
15	258	535	58.3	58.2	57.2	69.8	456	388	93	80	N	SSW	10	2	.050	Clouds low and soft ga.
16	527	407	60.3	58.7	52.7	68.9	477	431	91	88	Calm	Calm	10	4	.010	Clouds low and soft ga. Close and Clouds very dense NW. to E. ga. T 0.14p.
17	388	450	62.8	55.3	53.2	66.2	403	379	71	87	Calm	W	8	3	.440	Clouds low and soft ga.
18	755	850	56.8	60.4	52.2	65.8	323	457	70	88	W	W	10	10	.030	Clouds low and soft ga.
19	981	963	62.0	50.2	47.1	69.8	454	331	82	92	WNW	W	2	5	0	Clouds low and soft ga.
20	924	29.960	63.8	57.8	45.9	72.3	436	413	74	86	NNW	ENE	1	5	—	Clouds low and soft ga.
21	29.984	30.040	59.0	56.6	49.1	64.6	360	339	72	74	E	E	6	10	—	Sky from NW. to E. covered with thick cum., the other part with cir. Air close.
22	30.058	30.050	60.3	47.2	46.1	67.8	352	321	67	99	ESE	E	2	1	—	Clouds very high and hard ga.
23	30.040	29.950	59.4	57.1	43.8	65.0	373	360	74	77	E	ENE	4	10	.120	Clouds before ga. Clouds very high and heavy ga.
24	29.713	613	57.1	56.6	53.4	59.8	419	427	89	93	NE	ENE	10	10	.440	Clouds low and soft ga.
25	478	498	60.1	61.0	56.0	70.1	473	512	91	96	ESE	E	7	10	.270	Clouds low and soft ga. T 3.55p.
26	485	531	62.0	54.6	54.4	67.1	447	373	81	87	WNW	W	9	3	—	Clouds low & soft ga. Air close & heavy.
27	490	546	61.9	58.2	46.1	70.8	397	446	73	91	Calm	SE	1	4	8	Clouds high and hard ga.
28	598	629	66.3	54.2	53.2	70.8	482	413	75	98	S	ESE	6	10	.200	Clouds low, soft and dense, from S. to N. ga.
29	638	736	61.6	57.8	51.9	71.2	415	416	76	86	SW	W	1	4	3	Clouds high op.
30	712	424	58.2	61.6	50.4	67.2	437	526	90	95	NNE	E	2	9	10	Clouds low, soft and dense ga. T 8.45p.-9p.
31	325	449	60.2	58.9	51.8	69.0	444	430	86	87	NE	W	3	6	4	Clouds low and soft ga. Clouds high op.
32	29.533	29.631	60.8	59.6	50.2	66.4	412	437	78	86	NNW	W	10	10	.100	Clouds low, soft and heavy ga. and op.
Means	29.741	29.741	61.2	58.2	52.6	68.5	431	421	80.2	86.5	1.6	1.4	7.1	6.3	5.640	

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

AUGUST 1878.

1	30.361	30.237	58.4	54.1	48.5	62.7	382	375	78	89	E 1	NE 3	6	10	014	
2	30.115	29.984	62.3	57.9	53.5	69.5	480	449	86	93	E 3	NNE 3	6	9	122	
3	29.825	840	57.9	58.8	57.1	63.6	473	492	99	99	NE 3	NE 2	10	10	246	Clouds op.
4	757	854	59.6	58.3	58.1	68.2	507	477	99	98	ENE 2	E 2	10	8	718	Clouds op. and before. T p.
5	936	892	65.2	58.0	52.5	71.6	492	472	80	98	ESE 3	ESE 1	2	7	057	Very fine. T p.
6	772	680	61.3	60.0	56.5	72.6	518	514	96	99	E 2	ESE 1	9	10	196	Clouds a. T 6p. T p.
7	732	29.850	65.2	59.0	57.9	70.8	545	467	88	94	SW 3	SW 1	7	1	254	Clouds before ga. T p. Very fine later.
8	29.905	30.116	65.8	56.0	53.6	69.7	504	433	89	97	WSW 1	WSW 1	7	2	078	Very fine p.
9	30.129	30.013	66.8	58.7	50.7	68.5	431	465	66	95	SE 1	SE 1	1	7	056	
10	29.720	29.610	62.1	60.6	57.3	66.5	518	509	93	96	SE 1	WNW 2	10	10	453	Clouds p.
11	761	682	62.8	59.6	49.3	70.1	422	453	74	89	NW 2	S 2	3	10	170	
12	495	566	58.0	54.8	54.8	68.7	469	378	97	88	S 3	WNW 2	10	2	205	Clouds op.
13	565	529	59.0	58.0	52.8	67.8	416	461	84	95	WSW 5	SW 3	9	8	1016	Clouds op.
14	231	535	58.3	57.3	56.1	66.4	477	461	98	98	W 1	SW 1	10	7	100	T p.
15	562	500	60.0	54.2	49.8	69.4	477	409	93	98	SSW 1	NW 1	10	3	095	Fine, with p.
16	416	430	56.5	54.8	49.8	66.4	454	409	100	95	S 1	WNW 1	10	8	035	
17	730	29.874	59.2	58.0	49.8	65.3	377	425	75	88	W 5	WSW 4	7	8	020	
18	994	30.004	64.4	55.7	53.9	72.6	479	400	79	90	WNW 3	NW 1	7	1	—	
19	925	29.954	63.8	52.8	49.0	67.5	479	379	81	95	NE 1	NE 1	5	0	—	
20	29.982	30.046	58.0	50.3	45.3	63.4	369	316	77	87	NE 1	NE 1	7	1	—	
21	30.057	30.084	58.4	50.4	44.1	64.6	321	329	66	90	E 1	E 1	6	1	—	Cool p.
22	30.060	29.951	60.7	54.5	46.9	63.5	381	352	72	83	E 3	E 3	5	7	035	
23	29.700	572	57.7	57.0	54.0	59.5	422	402	88	99	E 5	ENE 4	10	10	753	
24	486	498	62.7	59.1	55.9	68.5	465	479	82	95	E 1	E 1	6	9	183	
25	476	514	58.8	56.0	50.0	68.7	482	446	97	99	NW 1	SW 1	9	1	061	Clouds op.
26	496	547	66.2	57.2	48.9	72.3	437	431	68	92	N 1	Calm 0	1	4	—	Very fine a. T 5p.
27	637	617	62.8	58.5	55.3	70.8	479	456	84	93	SW 2	SW 2	7	7	193	Clouds before ga. T 4p.
28	673	760	59.5	54.9	52.9	67.7	451	428	89	100	SW 3	WSW 1	8	1	203	T p. Very fine later.
29	719	468	64.1	58.7	50.6	68.3	465	441	78	90	SE 2	SSW 3	3	1	165	Clouds op.
30	297	443	61.0	57.1	52.7	68.4	473	439	89	93	NE 1	SW 2	7	1	237	Clouds op. Very fine later.
31	29.502	29.766	57.8	54.2	54.1	63.6	447	415	93	99	WNW 3	NW 3	10	1	256	
Means	29.746	29.756	61.1	56.6	52.5	67.7	457	433	85.1	94.0	2.1	1.8	7.0	5.3	5.921	

AUGUST.

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	66.8	61.6	52.1	73.0	ins.	ins.	90	90	E 2	E 1	0	0	ins.	[and threatening at 4p.
2	30.316	30.107	62.0	63.6	54.5	71.0	428	492	85	90	SE 3	NE 6	8	10	—	Fine. ∞ over the hills and sea. Dark
3	29.868	29.866	63.3	62.4	59.5	65.2	470	491	81	88	R 8	E 5	10	10	040	Fair, but dull and windy.
4	787	755	65.6	63.2	59.7	68.5	528	447	84	78	E 4	E 4	9	8	045	Shower and windy all day.
5	820	810	62.0	64.0	56.5	78.5	410	487	74	82	SE 3	S 0.6	10	10	050	Squally, p. [< in the evening.
6	710	640	61.0	60.0	59.3	73.4	470	507	88	98	SE 0.6	N 0.6	10	10	140	Very fine till 11p., then 2 shower.
7	711	29.799	60.5	61.0	60.0	70.0	498	453	69	84	W 3	W 1	8	1	—	Fair, but threatening till 5p., then
8	29.969	30.118	63.5	57.3	57.3	74.1	475	422	82	89	W 2	NW 1	10	1	—	Very fine. [K 0.
9	30.086	29.911	66.2	61.8	55.0	74.4	424	477	66	87	SW 0.6	W 0.6	10	10	660	Very fine.
10	29.630	735	62.4	58.6	58.0	70.7	500	439	90	89	S 0.4	SW 0.6	10	10	—	Fine, but muggy. Wet night. [9p.
11	760	507	62.2	59.6	55.1	70.9	416	364	75	71	W 2	SW 4	6	10	010	Fine till 8p., then shower. Lunar
12	498	526	66.6	60.3	57.4	72.4	415	386	64	74	SW 2	SW 6	10	10	1570	Very fine till 6p., then dull and threatening.
13	534	320	63.6	60.0	58.0	67.2	427	483	73	94	SW 4	SW 6	10	10	110	Fine, except one 2 shower at noon.
14	322	546	60.5	58.0	57.3	70.5	402	451	94	93	NW 1	NW 0.6	10	0	120	Fine till 7.30p., then 2 showers.
15	538	455	64.6	57.2	56.0	73.6	427	403	71	80	WNW 0.6	N 4	7	10	020	Shower and miserable.
16	404	541	62.7	56.0	54.3	70.4	457	343	80	76	WNW 0.6	N 4	7	10	010	Squally, with 2 showers.
17	29.788	29.881	59.4	60.9	52.8	68.6	397	469	79	88	W 3	W 5	10	10	—	Very fine, except 0 shower, 1.30p.
18	30.034	30.023	63.9	56.8	56.8	74.4	456	431	77	93	SE 2	NE 0.6	0	10	—	Fine. ∞ after 5p.
19	29.920	29.908	63.7	61.7	51.8	69.4	434	472	74	86	SE 2	NE 0.6	0	10	—	Dull a. Fine p.
20	29.923	977	61.8	58.0	57.4	70.8	424	393	77	81	S 2	SW 0.6	9	7	—	Very fine.
21	30.005	985	65.7	57.4	53.0	75.7	397	330	63	70	SW 1	S 0.6	2	0	—	Fine a. Windy and threatening p.
22	29.960	811	66.6	60.4	55.8	69.8	348	407	53	78	SE 1	E 5	1	7	360	Wet and stormy n. and day. [9p.
23	649	590	54.0	58.0	53.1	60.5	418	433	100	89	E 8	E 6	10	10	380	Dull, wet, stormy night.
24	506	533	59.4	56.0	55.8	62.1	407	443	81	99	E 5	W 1	10	0	—	Very fine.
25	495	511	64.8	56.0	54.7	72.0	421	419	69	93	W 1	N 0.6	0	0	—	Very fine.
26	489	524	64.6	60.7	51.2	70.0	427	415	71	79	NW 0.6	N 0.6	7	1	060	Very fine till 9p. < in evening.
27	573	551	66.3	57.0	57.0	73.7	419	434	65	93	W 0.6	SW 0.6	1	10	515	Dull, heavy afternoon, with 3 in evening.
28	600	767	65.3	58.0	54.6	72.8	457	433	74	89	SW 0.6	W 0.6	10	0	040	Fair, but dull, with gleams of sun.
29	637	379	60.0	59.0	54.3	62.8	415	449	80	90	E 2	E 0.6	9	1	100	
30	367	475	67.2	57.8	54.5	72.2	473	454	71	94	W 1	W 1	7	10	230	
31	29.633	29.893	59.5	57.1	52.1	68.2	424	395	84	78	NW 2	NW 3	10	10	—	
Means	29.731	29.727	63.3	59.3	55.6	70.9	437	431	75.7	85.2	2.3	2.1	7.1	6.2	4.400	

HILLINGTON, NORFOLK.

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

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	57.7	55.6	54.7	67.1	ins.	ins.	83	82	NE 0.5	NE 2	10	10	ins.	Fine and sunny. Very fine red sunset.
2	30.353	30.198	57.7	55.6	54.7	67.1	397	362	83	82	NE 0.5	NE 2	10	10	ins.	
3	30.067	29.907	69.1	59.8	55.2	74.7	456	443	64	87	SE 4	NE 4	1	10	1.124	
4	29.765	29.600	63.4	60.8	57.8	71.6	492	533	85	100	SE 3	ESE 1	7	10	1.930	
5	757	858	60.8	58.7	57.9	73.4	526	459	99	94	SE 0.2	SE 2	10	2	0.012	2 o.s.a. Furious K ² 2 o.s.a. — [6.45 a. surface of road washed away. Very fine and sunny, p.
6	931	865	70.9	59.7	53.2	77.3	545	472	72	93	SE 4	ENE 2	1	9	1.130	early. Fine red and yellow sunset.
7	757	685	71.3	62.9	58.1	78.6	620	552	81	97	SE 2	S 0.2	5	9	0.022	2.45 a. T 3.30 p. — 7.30 p. <
8	777	29.862	64.1	62.5	58.2	76.6	518	533	87	95	SW 3	SW 1	10	0	—	before ga. Very fine. D qp.
9	29.994	30.122	68.3	62.9	56.1	74.2	615	574	88	100	WNW 3	W 0.2	5	1	0.010	before ga. Fine. D qp. in evening.
10	30.141	29.991	68.4	60.0	49.4	76.7	533	498	77	96	W 1	NE 1.2	2	10	—	2 ga. D qp.
11	29.722	29.608	69.1	63.5	58.3	75.5	639	578	99	99	SE 3	S 1	10	10	0.052	before ga. D 2 qp.
12	782	716	64.6	62.2	55.2	72.2	379	419	62	75	NW 4	WSW 4	2	10	0.007	Very fine and sunny a. Wind W. at 1.50 p. — 3.30 p. [Noon.
13	543	576	61.1	55.2	55.2	73.3	465	367	86	85	SW 3	SW 0.5	10	7	1.152	ga. and p.
14	606	526	63.6	61.3	49.9	68.7	444	483	76	90	SW 6	SW 2	8	10	0.778	ga. and p.
15	231	549	61.6	58.9	57.3	65.7	492	401	90	99	SW 6	SW 1	10	10	1.154	Very fine and sunny all day.
16	582	512	63.7	59.5	51.5	72.3	505	451	86	89	W 3	SW 1	7	10	0.050	Very fine and sunny all day.
17	418	440	62.8	56.7	50.3	67.2	489	457	85	99	NW 2	NW 2	6	10	0.325	2 6.15 p. — 7.15 p. ash tree struck, [bark hurled 25 yards.
18	29.759	29.909	57.9	59.9	51.2	65.5	428	482	89	94	NW 5	SW 2	9	10	—	before ga. D 2 qp.
19	30.013	29.992	64.8	58.3	52.9	74.5	550	477	90	98	NW 2	SE 0.5	2	9	—	2 before ga. Very fine p. D qp.
20	29.897	29.913	70.6	54.8	49.5	71.6	613	424	82	98	ENE 1	ENE 1	5	0	—	2 before ga. D qp.
21	29.959	30.018	64.0	48.9	44.3	67.1	434	323	73	94	E 2	NE 0.5	5	2	—	a. and p. Very fine and sunny a.
22	30.078	30.058	64.6	51.4	40.2	70.7	404	340	67	89	NE 0.2	NE 1	4	1	—	Very fine and sunny a. Red sunset.
23	30.032	29.903	61.4	55.9	40.1	66.2	439	412	81	92	SE 3	E 4	7	10	0.060	Blustering a.
24	29.643	29.526	59.3	58.2	54.9	60.3	475	444	94	91	S 5	E 0.2	10	10	0.300	a. Distant T 0.30 p. — 4.30 p. at Hillington, 2 all round. K 2 4 p. — 4.10 p. Fine evening. D before ga. Distant T 2 p. D qp.
25	469	477	63.7	56.8	55.3	73.7	526	459	89	99	NE 0.2	ENE 0.5	10	10	0.470	before ga. and p.
26	464	514	61.0	57.9	56.3	70.4	487	480	92	100	NW 1	N 0.1	6	10	0.002	before ga. D p.
27	485	561	70.5	58.4	54.6	74.5	564	470	76	97	NW 0.1	Calm 0	5	0	0.001	before ga. D p.
28	609	712	64.6	59.7	54.4	70.2	526	475	87	94	SW 1	SW 1	7	9	0.098	before ga. D p.
29	711	778	63.0	55.0	54.5	70.7	528	437	92	98	SW 4	SW 1	7	2	0.003	a. and p. Very fine.
30	715	509	60.7	57.6	52.4	69.7	492	457	94	93	SE 1	SE 0.5	6	0	0.306	April weather, sun showers, Fine night.
31	208	467	58.3	57.7	53.4	67.4	487	456	100	95	ENE 2	NW 2	10	4	0.290	April weather a. T 2.15 p. — 4.30 p. [3.30 p. T 2.50 p. 2 showers great part of aft.
Means	29.744	29.751	64.0	58.4	53.2	71.1	501	461	84.3	93.9	2.5	1.3	6.7	6.7	5.587	

UPPINGHAM.

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

AUGUST 1878.

1	30.355	30.217	55.8	53.8	46.7	73.0	392	342	87	82	NE 1	NE 3	10	10	—	or ga.
2	30.069	29.949	58.5	57.1	52.6	74.4	462	410	94	87	NE 3	NE 4	10	10	0.230	T in S. 10.20 a. — 10.45 a.
3	29.776	29.785	60.2	59.7	56.0	69.0	476	499	92	98	NE 5	NE 1	10	10	1.201	2 K ² (peals very long.) 3 a. — 8.30 a. [K ² 0.335 in. in 25 mins.) p. [K in W. Evng. obs. taken at 9.20 p.
4	723	822	62.3	55.9	55.4	76.8	545	426	97	95	ESE 1	Calm 0	10	7	0.391	K ² with 2 0.487 in. in 25 [mins.) 1 p. T twice in evening.
5	896	853	61.3	61.2	52.6	75.6	498	446	92	83	SE 1	SE 1	7	10	0.244	T 5 p. Cloudless after 1 p.
6	743	686	64.1	60.3	56.3	74.5	551	493	92	94	Eby S 2	S by E 1	10	8	0.565	Wind veering ga.
7	760	29.875	63.8	60.2	58.1	72.8	483	429	82	83	Wby S 4	SSW 1	10	4	0.157	in S. qp.
8	29.997	30.127	64.6	58.1	53.8	71.8	447	400	74	82	SW 3	Calm 0	6	1	—	Bar. falling fast, ga. K p. < qp.
9	30.133	29.985	65.3	61.8	50.5	75.6	423	489	69	88	SSE 1	Calm 0	10	9	0.052	Wind backing ga. < qp.
10	29.701	29.641	62.4	60.4	57.0	70.8	539	482	96	93	Calm 0	Wby N 4	10	8	0.124	showers till 4 p. when wind changed, [and clouds dispersed.
11	787	708	62.8	59.0	50.8	69.3	474	402	73	81	WNW 3	swby S 4	8	10	0.027	Wind gusty, backing and rising.
12	520	593	60.3	54.1	54.1	69.8	478	326	91	78	SSW 3	NNW 1	10	0	0.025	Squally at ga.
13	608	504	60.2	58.1	51.8	64.0	393	474	75	98	SW 3	S by W 3	9	10	0.745	Wind backing and rising. K 2 [showers p. Wind veered to NW. [before 9.15 p.
14	257	545	62.6	59.1	55.8	68.2	436	463	77	92	NW 5	W 1	10	9	—	or ga.
15	573	517	63.9	57.2	54.0	70.5	430	400	72	85	SSW 2	SW 0.1	1	10	0.136	Wind increasing, ga.
16	410	476	59.3	55.0	53.1	69.7	466	435	93	96	S by E 0.1	SW 3	10	10	0.113	Wind gusty op. 2 all night.
17	29.798	29.917	57.2	57.3	48.7	64.5	327	401	70	85	W 3	SW 3	3	9	—	Clouds very low and fast, drifting up [the next valley like ga.
18	30.020	30.001	63.4	59.2	57.3	74.8	450	458	77	92	NW 3	NW 0.1	7	9	—	early a. K 2 p.
19	29.905	29.930	64.1	54.0	52.0	72.8	472	394	79	94	NNE 1	NNE 1	0	0	—	early a.
20	29.962	30.013	60.9	53.2	48.2	69.4	367	343	69	84	ENE 0.1	Calm 0	6	9	—	qp.
21	30.062	30.029	59.7	55.6	45.4	71.5	363	320	70	72	SSE 1	Calm 0	10	10	—	Wind increasing, ga.
22	30.015	29.887	63.4	54.5	47.8	67.4	427	339	73	79	SE 1	NE 1	10	10	0.725	Wind gusty op. 2 all night.
23	29.614	29.539	56.6	57.1	52.7	58.2	446	458	97	98	Eby N 3	SE 3	10	10	0.017	Clouds very low and fast, drifting up [the next valley like ga.
24	466	526	61.9	58.0	55.2	71.0	464	476	84	99	Calm 0	NNE 1	9	10	0.104	early a. K 2 p.
25	481	514	59.3	59.0	54.0	70.2	460	427	91	86	Calm 0	W 1	10	10	—	early a.
26	497	551	64.0	60.5	52.3	78.2	493	437	67	83	S by E 1	SW 1	0	10	—	early a.
27	634	631	64.0	57.2	55.2	70.6	515	453	86	97	SSW 3	SSW 3	8	10	0.118	qp.
28	685	776	62.0	56.0	53.7	70.2	427	402	77	89	SE 1	swbn 1	8	0	—	qp.
29	688	483	60.6	53.9	50.7	60.7	451	384	85	93	SE 1	Calm 0	7	0	0.200	qp.
30	293	472	58.7	55.7	52.4	67.0	462	416	94	94	WNW 2	SW 2	10	4	0.045	qp.
31	29.540	29.778	57.8	50.6	53.5	61.7	440	444	92	97	WNW 3	NW 2	10	0	0.123	Wind gusty ga. or ga.
Means	29.741	29.753	61.3	57.4	52.8	70.1	449	421	82.8	88.9	2.0	1.6	7.7	7.3	5.342	

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	53.9	56.0	46.2	68.8	ins.	ins.	88	88	NE 2-3	ENE-NE 2-3	10	1	ins.	☉ ⁰ ga. Very fine afternoon.
2	30.363	30.194	56.8	57.5	51.7	73.0	.364	.394	88	85	NNE 3-4	NNE 4	10	1	.540	
3	30.084	29.964	59.0	60.5	56.1	66.6	.417	.402	90	85	NNE 4-5	NNE 4	10	10	.700	T 3 p.
4	29.792	29.799	60.1	55.0	54.6	70.4	.467	.468	99	94	NNE 2	E 1-2	10	3	.360	T 3.30 p. — 8 p.
5	.749	.790	58.9	63.5	53.1	73.6	.517	.406	95	80	SE 2-3	ENE 0-1	10	5	.130	T 3.30 ⁰ 4.45 p. T 7 p.
6	.824	.824	61.2	60.1	56.9	69.4	.469	.468	95	94	ENE 2	SE 1	10	9	.490	T 2 p. — 7.30 p. ☉ ² 7 p.
7	.735	.684	63.0	60.5	59.3	72.7	.507	.507	94	97	SSW 4	SSW 1	10	2	—	T 2 p. — 3 p.
8	29.753	29.872	63.1	59.5	55.8	73.6	.520	.452	90	86	WSW 4	W 1	8	4	—	Day fine.
9	30.008	30.136	62.2	63.7	56.6	73.3	.473	.404	82	80	SE 2	SE 1	9	10	.250	☉ ⁰ ga. Day fine.
10	30.131	29.954	59.5	59.7	57.8	72.9	.427	.465	77	79	E 1	NW 3-4	10	9	.140	☉ ² till 11.45 a. K ☉ ² 4.50 p. — 5.15 p.
11	.7676	.679	63.9	58.1	50.2	70.5	.500	.470	98	92	W 4	SSW-8 5	6	10	.130	[Double ☉ ² T 5.45 p.
12	.792	.665	64.0	56.0	55.0	72.5	.475	.404	82	80	SW 3-4	SW 4	9	9	—	Lunar Eclipse well seen.
13	.496	.605	62.1	58.7	54.1	65.0	.388	.423	86	86	SW 4-5	SSW 4	9	10	.740	
14	.607	.475	63.2	59.0	56.0	71.9	.479	.465	77	79	W 6	W 0-1	9	3	.250	☉ ² 9 p.
15	.294	.580	62.9	58.1	54.5	70.0	.484	.490	83	98	SW 4	SW 1-2	9	10	.250	☉ ² 9 a.
16	.570	.500	62.1	58.1	54.5	70.0	.460	.450	82	93	SSW 2	W 2	8	4	.350	☉ ² 9 a. T 1.20 p. ☉ ² (very heavy)
17	.390	.519	62.1	53.0	52.8	67.8	.461	.374	83	93	SW 6	SW 6	9	10	—	[1.30 p. K 1.40 p.
18	29.821	29.926	57.8	59.2	48.2	66.4	.374	.422	78	85	SW 2	Calm 0	1	5	—	Day fine.
19	30.019	30.000	65.2	58.7	53.2	74.7	.450	.429	73	88	NE 3	NE 2	8	1	—	☉ ² 9 a. Day fine.
20	29.900	29.934	61.9	57.1	51.0	71.5	.457	.436	83	93	ENE 2	E 2	9	9	—	☉ ² 9 a. Day fine.
21	29.963	30.001	57.6	56.0	51.4	66.3	.401	.394	84	88	E 2	E 2	9	10	—	
22	30.046	30.014	59.8	58.4	50.4	67.8	.371	.402	72	82	ENE 3-4	ENE 5-6	6	10	1.030	
23	29.983	29.837	60.0	56.8	51.0	67.5	.403	.357	78	77	ENE 4-5	ENE 4	10	10	.060	☉ ² n.
24	.582	.530	56.9	56.3	52.6	58.5	.448	.450	97	99	NW 0-1	E 0-1	9	10	.010	
25	.471	.495	59.7	58.6	55.2	68.8	.464	.448	91	91	Calm 0	SW 1	9	7	—	☉ ² before 9 a.
26	.495	.514	61.2	60.0	54.1	68.7	.440	.453	82	88	WNW 3	SSW 4	9	10	.310	☉ ² (gale) n. ☉ ² midday.
27	.491	.552	52.0	61.2	49.2	72.0	.456	.452	82	84	Calm 0	SW 1	9	7	—	☉ ² 9 a.
28	.622	.614	62.1	58.3	55.3	67.6	.499	.450	89	93	S 2	SSW 4	9	10	.310	
29	.664	.787	61.1	56.0	53.8	68.3	.441	.394	82	88	SW 5	Calm 0	9	1	—	
30	.658	.450	61.4	56.1	52.6	65.1	.409	.393	76	87	E 2	S 1-2	9	1	.140	
31	.348	.479	58.2	57.0	51.9	68.1	.451	.437	93	94	W 1	WSW 3	10	10	.380	
31	29.585	29.820	57.3	57.6	54.8	63.1	.439	.426	93	89	W 4	W 4-5	10	10	.030	T 4.10 p.
Means	29.741	29.748	60.5	58.3	53.2	69.2	.450	.433	85.5	88.0	3.0	2.4	8.5	6.9	6.290	

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	55.6	59.0	50.7	69.5	ins.	ins.	84	79	ESE 4	Calm 0	10	0	ins.	
2	30.341	30.147	55.6	59.0	50.7	69.5	371	371	84	79	ESE 4	Calm 0	10	0	0.080	
3	29.768	29.928	56.4	59.0	53.8	62.6	371	356	82	71	NE 2	E 2	10	0	0.448	K noon and 3p.
4	747	764	61.3	57.4	55.3	66.9	451	415	83	88	ENE 4	SE 1	10	9	0.375	
5	748	796	61.0	58.5	56.6	64.9	507	465	95	95	Calm 0	Calm 0	10	9	0.640	K 11p.
6	703	766	62.2	62.3	58.7	69.5	482	475	94	86	SSE 1	Calm 0	10	6	0.410	K 1p.
7	29.755	29.890	64.5	68.0	58.0	70.0	480	472	80	85	S 4	W 1	7	3	—	
8	30.030	30.170	65.0	67.0	67.0	69.0	447	449	73	90	W 1	W 1	5	3	—	
9	30.100	29.980	67.0	68.0	47.0	71.0	453	457	68	88	S 1	Calm 0	8	10	0.242	K 4p.
10	29.630	712	62.0	60.1	58.0	73.4	503	416	91	81	S 1	SW 3	10	3	—	
11	823	638	62.7	57.6	51.0	69.0	410	437	73	92	SW 2	SW 5	3	10	0.215	
12	507	641	63.2	56.8	56.4	69.6	516	375	89	81	SW 2	SW 3	5	1	0.018	before 9a.
13	631	448	62.2	58.9	55.0	65.7	401	482	72	97	WSW 4	S 3	10	10	0.550	before 9a. D 9p.
14	346	604	63.5	59.2	57.8	70.4	407	446	80	89	W 5	Calm 0	3	8	—	
15	583	491	64.8	57.4	53.0	69.9	386	444	63	94	SW 2	Calm 0	6	10	0.220	
16	401	569	59.2	54.0	52.2	67.3	446	366	89	87	SW 1	NW 3	9	7	0.020	
17	29.874	971	57.4	60.4	50.1	66.9	342	407	72	78	W 3	W 2	9	9	—	
18	30.054	973	64.5	61.6	53.7	73.2	444	415	74	76	W 2	E 2	3	9	—	
19	29.885	894	63.2	61.1	56.3	70.4	443	443	77	82	NE 1	E 2	8	8	—	
20	29.945	985	60.0	58.6	53.6	64.9	412	393	80	80	E 3	Calm 0	7	6	—	9a. D 9p.
21	30.010	986	61.0	58.3	49.0	64.9	374	391	71	81	ESE 3	E 1	5	8	—	
22	29.947	772	60.8	60.0	54.5	67.1	427	357	81	69	E 3	ESE 5	9	10	1.140	
23	544	501	56.1	58.2	53.1	60.4	447	454	99	93	ENE 2	ENE 3	10	10	1.260	
24	479	508	59.8	58.1	56.5	66.0	453	446	88	91	NE 2	Calm 0	10	10	0.010	
25	506	511	61.4	58.7	53.3	66.8	419	462	78	94	WNW 3	Calm 0	5	1	0.070	
26	497	556	56.4	59.4	49.3	69.7	437	473	96	94	Calm 0	Calm 0	10	1	0.040	9a.
27	556	621	62.6	58.4	52.6	68.3	496	479	87	98	S 2	Calm 0	10	10	0.420	
28	661	797	64.5	55.6	51.9	68.5	462	497	77	92	SSW 4	Calm 0	9	1	0.120	D 9p.
29	615	410	57.8	57.9	52.0	67.4	454	428	94	89	E 4	ESE 1	10	10	0.155	
30	384	523	59.7	58.2	55.0	68.5	434	433	86	89	W 3	SW 3	9	9	0.144	
31	29.636	29.863	59.8	58.2	55.8	65.8	436	410	85	84	WNW 4	WNW 5	10	1	—	
Means	29.739	29.743	61.1	58.9	53.9	68.1	441	431	82.4	86.6	2.4	1.5	8.0	6.5	6.577	

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

AUGUST 1878.

1	30.317	30.165	57.6	54.4	54.3	70.1	375	364	79	86	NW 1	NE 1	10	10	0.010	
2	30.015	29.872	62.6	59.4	53.0	71.9	498	456	88	91	E 2	NE 3	7	10	0.010	
3	29.727	757	62.6	58.6	56.7	68.1	447	407	79	95	NE 3	NE 1	7	10	0.010	
4	725	836	65.6	57.6	57.0	73.3	501	451	80	95	SE 2	SE 1	6	10	0.050	
5	876	832	70.6	63.6	56.0	78.6	464	444	62	76	SE 2	SE 2	4	10	0.450	Very 2 10p.
6	725	734	69.6	62.6	59.5	77.9	552	472	76	83	SE 2	S 1	4	9	—	
7	29.836	29.897	67.1	60.1	59.0	74.7	465	492	70	95	SW 4	SW 1	7	0	—	
8	30.011	30.115	67.3	63.6	57.1	74.9	464	436	69	74	W 4	W 1	5	0	—	
9	30.122	29.981	69.6	60.8	49.2	75.1	422	407	58	88	SW 1	Calm 0	5	7	0.010	
10	29.720	648	64.6	61.1	59.0	67.9	512	494	85	92	SE 2	SW 2	10	10	0.140	
11	799	743	63.8	59.6	55.0	72.5	381	422	64	83	NW 3	SW 2	4	9	0.040	
12	546	608	59.9	60.9	58.0	72.9	485	444	95	84	SW 3	SW 2	10	5	0.760	Very 2 (0.75 in. in 12 mins.) 4.30p. T.
13	654	491	63.8	59.6	53.1	65.9	430	483	73	95	SW 4	SW 3	7	10	0.510	Very 2 at night.
14	279	582	65.6	59.8	58.0	71.9	485	480	78	94	W 6	NW 4	5	8	0.150	2.
15	590	523	64.9	56.4	56.3	72.9	496	433	82	95	W 2	Calm 0	5	7	0.070	
16	406	465	62.6	57.6	54.8	68.0	441	421	78	88	SW 2	W 2	8	9	0.200	K p.
17	29.820	980	59.6	57.8	51.2	65.7	339	430	66	89	NW 5	NW 2	5	7	—	
18	30.021	958	66.9	56.4	52.1	71.1	477	443	73	97	SW 2	Calm 0	3	5	—	
19	29.873	29.890	64.3	56.8	49.7	73.1	465	431	78	93	NE 1	Calm 0	7	0	0.020	
20	29.942	30.019	61.6	50.3	48.3	67.6	371	352	68	97	NE 3	Calm 0	6	0	—	
21	30.038	30.017	63.1	56.6	43.3	70.9	360	397	63	86	NE 1	SE 1	5	7	—	
22	29.980	29.785	63.6	58.6	54.0	70.2	459	430	78	88	SE 3	SE 3	8	10	0.150	
23	573	491	60.2	59.4	57.6	63.4	498	487	96	97	E 3	SE 2	10	10	0.090	T.
24	446	455	61.6	58.6	57.1	66.9	485	467	89	95	NE 1	NE 1	8	10	0.500	T. < p.
25	482	515	61.8	60.6	57.1	70.9	483	475	88	90	NW 1	NW 2	6	8	—	K 2 noon-1p.
26	479	582	63.6	56.6	51.2	72.6	489	437	83	95	Calm 0	Calm 0	7	5	—	
27	664	669	66.1	50.8	55.2	69.2	462	431	72	93	SW 2	SW 2	7	0	0.130	2 at noon.
28	713	793	63.9	55.8	55.8	69.5	447	439	76	98	SW 4	Calm 0	8	0	0.060	T before 9a. T p.
29	673	500	61.6	54.6	54.0	67.9	477	451	95	93	W 6	W 2	10	0	0.100	2 showers. T p.
30	29.569	29.793	59.3	59.3	56.0	65.9	447	457	89	91	W 3	W 4	10	8	0.030	
Means	29.737	29.748	63.7	58.5	54.6	70.7	458	444	78.2	90.7	2.6	1.5	6.9	6.3	3.840	

AUGUST.

CARMARTHEN.

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

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	67.5	61.6	50.8	75.5	in.	in.	62	73	E 1	NE 2	0	0	ins.	K p.
2	30.273	30.112	67.5	61.6	50.8	75.5	.421	.396	62	73	E 1	NE 2	0	0	—	
3	30.007	29.909	63.6	62.0	51.2	74.0	.361	.353	62	63	NE 2	E 3	1	0	—	
4	29.760	.788	62.4	58.0	55.4	73.0	.399	.399	81	82	NE 3	E 1	10	.9	.130	
5	.760	.714	64.1	59.6	55.9	68.3	.470	.494	79	97	NE 1	SW 1	9	10	1.950	
6	.780	.774	63.2	61.6	57.2	69.5	.480	.431	83	79	S 1	E 1	9	10	.050	
7	.668	.667	65.0	60.6	58.6	71.0	.500	.501	82	95	E 1	W 1	10	4	.160	K 1.30p. ● 2.
8	29.748	29.894	64.9	60.6	58.8	70.5	.464	.479	76	91	W 2	W 1	4	5	—	
9	30.048	30.151	65.4	57.5	56.7	70.2	.461	.428	74	90	W 1	W 1	6	5	—	
10	30.068	29.897	65.6	61.6	50.5	70.6	.503	.496	81	91	SE 1	SE 1	9	10	.460	
11	29.648	.799	63.4	56.7	55.6	69.5	.545	.386	94	84	Calm 0	W 1	10	0	.180	
12	.806	.563	60.6	58.4	50.5	67.9	.447	.457	85	94	SW 3	SW 4	10	10	1.220	
13	.537	.640	62.8	55.7	55.7	68.9	.449	.397	79	90	W 1	W 1	10	5	.020	
14	.621	.303	62.6	58.9	55.3	65.9	.467	.494	82	100	SW 2	SW 3	10	10	.930	
15	.410	.613	62.9	60.3	58.2	69.5	.479	.470	84	90	W 3	W 3	10	9	—	
16	.567	.434	67.7	57.2	53.4	68.6	.477	.437	71	93	SW 1	SW 1	8	8	.080	
17	.422	.644	61.1	52.8	52.5	68.0	.451	.358	83	89	NW 1	W 1	9	10	.110	< 9p.
18	29.880	.993	61.6	59.6	47.0	66.2	.399	.449	73	88	SW 3	W 3	10	10	.030	
19	30.037	.962	70.5	59.4	71.6	.472	.403	63	80	W 1	N 1	6	6	—		
20	29.873	.869	64.6	61.6	56.6	73.8	.419	.459	70	84	E 3	NE 1	7	10	.100	
21	.913	.950	59.7	59.2	57.4	66.2	.485	.419	95	84	E 1	E 1	10	10	.010	
22	.966	.945	60.6	59.0	53.0	66.8	.413	.421	79	85	SE 1	E 1	9	4	—	
23	.855	.701	62.1	59.2	54.9	67.2	.425	.461	76	92	E 2	E 1	5	10	.220	
24	.513	.487	59.1	60.6	54.2	70.1	.441	.464	88	88	E 1	E 3	9	10	.030	< 10p.
25	.495	.533	62.9	55.0	55.0	70.2	.459	.403	81	93	NE 1	Calm 0	9	0	—	
26	.520	.502	59.5	55.2	51.6	68.4	.461	.406	91	93	Calm 0	Calm 0	10	0	—	
27	.507	.570	67.1	60.2	49.8	71.9	.475	.509	71	98	Calm 0	Calm 0	9	10	.300	
28	.597	.587	66.2	59.9	56.4	69.2	.472	.491	74	96	SW 3	W 3	6	9	.330	
29	.672	.766	63.0	56.7	56.5	68.4	.431	.439	75	95	W 4	W 1	8	7	.300	
30	.539	.357	57.2	56.7	54.4	69.0	.437	.444	93	96	E 1	E 1	10	10	.260	
31	.410	.563	64.1	57.2	56.2	68.2	.437	.462	74	99	W 1	S 1	4	10	.120	
31	29.726	29.953	59.6	56.5	55.1	63.5	.434	.412	85	90	W 1	W 1	10	10	.040	
Means	29.730	29.730	63.2	58.7	54.6	69.4	.454	.439	78.9	89.1	1.5	1.4	8.0	7.1	7.030	

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	58°6	60°1	48°6	73°1	ins.	ins.	77	85	E 2	E 1	10	0	—	Fine.
2	30°335	30°156	58°6	60°1	48°6	73°1	379	441	77	85	E 2	E 1	10	10	—	Rough 3p.
3	30°015	29°870	59°9	58°7	52°9	73°5	410	394	80	80	E 3	Calm	0	9	10	134
4	29°725	29°725	63°0	55°9	55°2	70°4	436	428	76	96	E 1	SW 2	10	9	—	134
5	751	752	63°2	58°5	54°3	73°5	475	444	82	91	E 1	SW 2	10	9	—	224
6	845	807	66°5	60°9	55°8	77°6	529	477	82	90	SW 2	SW 2	4	8	—	401
7	683	670	67°9	66°3	60°1	74°6	556	443	82	69	SW 2	SW 2	4	8	—	Fine.
8	29°788	29°900	66°0	64°3	61°8	73°6	457	467	72	78	W 2	SW 1	2	5	—	Fine.
9	30°025	30°110	67°1	59°6	57°0	76°4	491	418	79	85	SE 2	SE 2	4	10	—	Fine.
10	30°110	29°938	65°3	58°6	57°0	76°4	491	418	79	85	SE 2	SE 2	4	10	—	122
11	29°664	29°664	66°0	64°1	57°8	73°6	556	494	85	82	W 2	SW 2	4	10	—	138
12	786	755	66°8	59°7	59°2	72°2	421	454	80	80	W 2	SW 2	4	10	—	T 6p.
13	524	648	64°9	55°1	54°3	73°3	578	364	94	84	SW 3	W 1	10	0	—	358
14	634	536	62°0	59°9	53°8	67°2	446	482	81	94	SW 3	SW 1	10	10	—	Stormy and wet 3p.
15	341	567	65°9	61°3	57°9	72°4	469	483	75	90	SW 3	SW 1	10	10	—	Stormy. K 6p.
16	591	490	61°1	58°2	54°6	71°8	524	441	97	91	SW 3	SW 1	9	3	—	126
17	368	493	62°0	57°1	57°1	69°5	520	382	94	81	W 2	SW 1	0	4	—	180
18	29°826	29°826	61°6	57°3	53°0	68°3	349	430	64	91	W 2	SW 1	0	4	—	422
19	30°006	29°915	65°0	58°0	54°8	71°7	470	393	77	81	SE 1	SW 2	0	10	—	Fine.
20	29°820	29°865	64°1	58°1	56°9	73°3	467	467	79	96	SE 2	SE 3	10	8	—	Fine.
21	892	921	61°3	57°3	53°8	67°8	430	404	79	86	E 2	E 1	10	8	—	650
22	977	966	60°3	59°0	57°3	67°6	381	413	73	83	E 1	SE 2	10	7	—	505
23	865	716	65°1	58°2	55°8	69°4	424	479	69	99	SE 1	S 1	10	0	—	T.
24	567	468	62°0	56°2	55°2	71°6	543	446	98	99	SE 1	Calm	0	10	9	904
25	409	489	64°1	58°3	56°1	69°8	489	469	82	96	SE 1	SW 1	10	0	—	902
26	521	536	61°1	57°0	51°3	68°4	491	441	91	94	SE 1	SW 1	10	0	—	906
27	497	594	59°3	61°5	50°8	70°8	472	501	94	92	Calm	SW 1	10	0	—	906
28	667	684	64°9	59°6	58°2	71°4	526	439	86	86	S 1	SW 2	10	4	—	225
29	760	822	66°9	61°1	55°6	72°1	492	462	76	86	SW 2-3	W 2	8	9	—	513
30	625	494	63°0	59°6	54°6	70°7	511	465	89	91	E 1	W 1	10	8	—	174
31	400	555	62°8	59°0	56°3	69°7	475	477	83	96	SW 2	SW 2	10	10	—	936
Means	29°732	29°741	63°5	59°3	55°5	71°5	475	443	81°5	88°0	1°8	1°4	7°9	6°4	4°384	

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	30°322	30°169	60°8	57°7	57°2	63°3	437	397	83	83	NE 3	NE 3	10	6	—	with squalls before 9a.
2	29°999	29°786	66°5	60°2	56°8	68°2	487	516	76	99	NE 4	NE 6	5	10	—	in squalls p.
3	713	770	62°8	63°7	57°9	68°0	501	528	88	90	E 2	NE 4	8	10	—	K 8.15a.
4	778	905	64°9	61°7	55°1	66°8	444	464	73	85	SE 1	S 4	4	6	—	145
5	941	850	68°7	64°9	60°4	74°2	528	541	76	89	E 2	NE 1	5	10	—	T p.
6	751	29°787	70°2	63°8	63°2	74°3	550	533	74	90	SW 1	SW 2	5	4	—	[lite fell from zenith to SW at 9.15p.
7	29°870	30°001	67°4	61°8	59°6	75°5	465	492	69	90	SW 4	SW 3	6	0	—	9a. and 9p. in squalls p. Aero-
8	30°093	29°855	70°6	62°9	58°9	76°0	451	494	61	87	SW 4	Calm	0	5	—	9p.
9	30°176	30°032	69°6	64°8	55°2	71°3	480	477	66	79	W 1	SW 1	5	5	—	1085
10	29°775	29°690	66°2	63°1	62°9	67°4	507	550	79	95	SW 3	SW 1	10	7	—	1024
11	860	826	64°9	61°4	58°9	73°2	404	516	66	96	SW 4	SW 6	2	10	—	140
12	649	684	61°3	61°4	58°8	70°3	483	482	90	90	SW 6	SW 5	10	10	—	140
13	749	666	63°3	61°1	54°4	68°3	454	494	78	92	SW 5	SW 6	10	10	—	140
14	360	629	68°5	63°0	58°9	74°0	503	562	73	98	SW 6	Calm	0	7	—	140
15	666	603	68°7	58°1	56°3	71°2	613	441	87	90	SW 3	SW 1	5	7	—	664
16	465	29°558	60°7	58°0	58°1	67°7	480	437	91	89	SW 1	SW 2	10	10	—	761
17	29°874	30°063	60°0	58°6	53°0	68°0	348	430	67	88	W 6	SW 5	4	2	—	with squalls 9a.
18	30°085	30°006	65°6	59°3	53°9	72°3	424	457	68	91	SW 3	Calm	0	5	—	9p.
19	29°894	29°885	61°8	60°1	57°9	67°3	483	428	88	82	E 1	NE 4	10	4	—	167
20	29°901	30°045	65°3	58°7	57°0	65°7	399	375	64	77	NE 3	NE 1	6	4	—	9a.
21	30°072	30°057	65°0	61°2	52°8	68°4	382	400	61	75	E 2	NE 3	3	10	—	Squalls p.
22	30°003	29°915	63°9	64°0	59°8	67°2	403	453	68	76	E 4	Calm	0	10	3	with squalls before 9a. 9p.
23	29°594	29°524	63°5	61°9	59°8	67°1	505	494	86	90	NE 1	SW 1	5	2	—	9p.
24	442	483	66°5	58°5	58°4	71°0	516	465	80	95	NE 1	SW 1	5	2	—	Aerolite fell from zenith to S at 9.15p.
25	530	580	64°0	59°1	56°1	69°3	472	467	79	93	SW 3	SW 1	5	1	—	105
26	506	632	67°5	58°3	56°8	68°9	556	472	83	97	S 6	SW 2	6	0	—	105
27	759	759	64°5	62°2	57°6	70°0	512	479	85	86	S 6	SW 2	9	10	—	in squalls 9a. and p.
28	826	871	64°8	60°9	58°5	70°8	441	472	73	89	SE 5	SW 3	7	6	—	in squalls p.
29	716	586	63°0	62°7	59°1	68°2	518	520	90	91	SE 5	SW 5	10	5	—	in squalls a. and p.
30	400	604	62°9	59°9	59°8	68°2	456	467	80	91	SW 9	SW 5	9	5	—	K 2 afternoon. 2.
31	29°652	29°843	61°9	58°9	58°1	65°2	443	457	81	93	SW 4	SW 2	9	8	—	650
Means	29°790	29°806	65°0	61°1	57°8	69°6	472	476	76°9	88°9	3°4	2°8	6°9	5°8	3°609	

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	Min.	Max.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.		
1	ins.	ins.	62°2	60°2	51°7	71°3	ins.	ins.	77	81	NE 2	NE 2	9	0	—	Beautiful day.
2	30°289	30°095	60°4	59°5	51°4	72°3	373	367	71	73	NE 3	NE 3	10	2	—	Fine and dry with fresh breeze.
3	29°996	29°825	60°4	59°5	51°4	72°3	373	367	71	73	NE 3	NE 3	10	2	—	K 2 11.45a.—0.45p. Fine after.
4	712	748	64°7	58°3	58°1	73°4	411	441	67	91	NE 2	Calm	0	9	1	137
5	767	830	60°0	58°7	54°7	69°6	479	469	93	95	Calm	0	10	10	—	325
6	872	798	71°2	61°6	57°8	72°2	456	510	59	93	SE 2	SE 1	6	10	—	Beautiful day. K 7.30p.
7	727	750	68°3	62°5	60°4	73°1	506	500	74	89	SW 1	SW 1	8	1	—	Very close a. Beautiful day.
8	29°843	29°962	66°3	61°6	60°3	71°6	467	500	73	91	SW 3	SW 1	8	1	—	Beautiful day.
9	30°090	30°165	68°8	61°8	60°0	71°0	423	468	60	85	SW 2	SW 1	7	1	—	Beautiful day.
10	30°140	29°939	67°2	63°3	52°8	72°1	454	419	68	73	S 1	SE 2	9	9	—	Beautiful day.
11	29°694	29°719	65°9	63°4	62°7	72°5	559	491	88	84	SW 1	W 2	10	5	—	Very close a. with 2.
12	872	765	65°3	61°6	54°9	70°3	383	429	61	79	SW 1	SW 3	7	10	—	1

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.				
1	ins.	ins.	54.3	50.58	49.7	62.0	in.	in.	99	92	E	4	E	5	7	6	—	Fine.	
2	29.913	29.922	58.3	55.3	48.1	64.4	370	351	76	81	E	6	NE	5	5	2	—	Squally 9p.	
3	710	804	58.3	53.9	50.0	64.2	397	399	82	86	NE	4	NE	1	4	2	0.020	—	
4	703	718	59.6	55.3	48.2	64.4	407	407	80	93	N	2	NE	1	6	7	—	Squalls before 9a. Fine p.	
5	708	782	57.3	55.3	53.0	64.4	427	413	90	95	S	3	SW	1	8	5	0.110	—	
6	661	713	62.2	55.3	52.0	63.4	483	409	87	93	SE	3	SW	4	7	9	0.430	—	
7	29.787	29.896	59.2	56.5	40.0	64.4	449	451	90	99	SW	2	S	3	6	9	0.080	—	
8	30.083	30.126	60.2	55.7	55.0	64.4	428	431	83	97	NW	4	Calm	0	4	3	0.010	Distant T 3p.	
9	30.093	29.888	57.5	57.3	50.0	64.6	443	457	94	97	S	3	W	1	6	7	0.110	—	
10	29.669	808	59.2	55.1	55.0	63.6	503	399	100	91	NW	2	NE	2	8	8	0.310	—	
11	861	691	58.9	54.3	50.2	61.4	384	422	78	100	W	3	SW	4	4	10	1.320	—	
12	594	750	57.7	52.5	40.0	61.4	470	384	99	98	SW	3	SW	3	9	6	0.110	—	
13	719	446	54.7	56.3	47.0	57.2	422	454	99	100	SW	3	SW	6	10	10	1.670	—	
14	484	545	59.2	56.5	48.0	59.6	443	404	89	88	NW	4	SW	3	6	4	0.130	—	
15	574	499	59.2	55.3	52.5	62.4	413	407	83	93	NW	3	Calm	0	4	10	0.220	—	
16	432	29.693	56.2	48.9	48.5	60.0	401	313	80	91	NW	2	W	3	7	1	0.130	—	
17	29.943	30.064	54.3	52.0	47.5	59.6	360	361	85	93	NW	2	W	3	2	5	0.040	—	
18	30.055	29.944	59.2	53.8	50.2	63.2	407	374	82	90	W	1	E	1	4	7	0.010	—	
19	29.823	898	56.3	56.9	53.5	68.1	424	444	93	96	E	4	Calm	0	8	10	0.040	—	
20	851	922	58.3	54.3	53.0	58.3	425	422	87	100	E	5	E	4	7	10	0.180	—	
21	929	970	59.2	53.3	51.2	61.0	503	393	100	97	E	1	Calm	0	7	3	—	before 9a.	
22	832	687	56.3	53.3	51.5	57.8	424	407	93	100	E	4	SE	2	9	10	0.270	—	
23	485	499	61.2	54.3	53.3	62.2	416	422	78	100	E	1	E	1	7	0	0.350	—	
24	487	543	55.7	55.3	53.2	59.1	434	431	97	99	W	2	W	1	10	0	0.880	—	
25	534	534	57.7	51.1	51.1	61.0	381	375	81	100	W	2	Calm	0	8	0	—	—	
26	480	605	59.6	56.3	51.0	60.7	462	454	91	100	E	1	SW	4	10	10	0.660	—	
27	660	656	58.3	53.3	53.0	59.9	416	407	85	100	W	5	SW	4	8	10	0.420	—	
28	757	794	56.5	55.3	53.0	62.0	439	431	96	99	W	5	Calm	0	10	10	0.110	—	
29	536	354	58.3	54.3	53.2	59.4	487	393	100	93	S	3	S	5	10	10	0.820	—	
30	474	621	54.3	54.3	52.0	60.0	416	422	99	100	W	2	SW	4	10	10	0.540	—	
31	29.739	29.940	54.9	53.9	52.3	63.9	413	404	96	98	NW	4	NW	5	10	5	0.150	—	
Means	29.739	29.754	57.8	54.4	50.5	61.9	428	405	89.7	95.8	3.0	2.5	7.1	6.4	9.120				

BABBACOMBE.

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

AUGUST 1878.

1	30°273	30°083	56°9	60°7	56°8	63°9	*412	*492	89	94	ENE	4	ENE	3	10	0	—	Squalls. ∞ 3p.—8p. D^2 [after 9p.]
2	29°974	29°853	58°2	62°3	54°0	66°8	*349	*419	72	75	ENE	5	ENE	3	2	3	—	D^2 Squalls a. & p.
3	707	782	61°3	56°6	55°4	68°9	*407	*413	75	90	ENE	4	Calm	0	9	1	*190	Squally a. & p. K in NE. 3.37p.—4p. [Distant T in NE. 2.40p.—4p. D^2 9p.]
4	779	797	65°5	57°9	51°4	70°8	*492	*436	80	91	WSW	1	SW	4	3	6	*030	D^2 a. and p.
5	828	778	62°9	60°8	57°0	68°6	*520	*492	91	93	S	3	E	1	9	9	*330	D^2 before 9a. Sky greenish p.
6	*684	*735	63°0	60°9	60°6	69°1	*537	*514	93	97	SSE	2	WSW	3	9	9	*110	Sky greenish. Parhelion S. of sun 7p.—
7	29°820	29°967	65°8	60°3	58°0	72°2	*601	*492	94	94	WSW	3	WSW	3	7	3	—	p. Sky greenish. [7.15p.]
8	30°105	30°174	66°8	58°9	58°1	72°8	*467	*456	71	93	W	3	W	1	8	2	—	D^2 n. D^2 p.
9	30°110	29°912	59°4	61°8	53°9	65°8	*487	*500	97	91	ENE	2	E	3	10	10	*090	D^2 to 9.10a.
10	29°673	*798	68°2	59°9	59°9	70°9	*580	*407	84	79	SW	2	WNW	3	9	1	*080	—
11	*877	*707	66°8	59°1	54°0	68°3	*441	*444	67	89	WSW	3	SSW	6	4	9	*390	p.
12	*599	*744	65°4	58°0	57°7	70°6	*494	*386	80	80	WSW	5	W	3	7	9	*010	Squalls a. and p.
13	*728	*480	61°8	59°0	56°9	62°8	*441	*489	80	98	SW	4	SSW	6	10	10	*470	p.
14	*488	*680	66°2	59°5	58°8	71°7	*485	*451	76	89	W	5	WSW	3	8	1	*010	early a. Squalls a. and p. Sky
15	*646	*501	61°8	58°8	54°9	69°3	*428	*477	78	96	SW	3	SW	3	6	9	*250	before 9a. [greenish a. D^2 p.]
16	*444	29°687	62°3	54°5	53°7	67°8	*464	*328	82	77	W	2	W	3	6	0	*030	—
17	29°959	30°071	62°4	55°9	49°0	68°5	*370	*403	66	90	W	3	W	2	3	0	—	D^2 n. and after 8p. Squalls p.
18	30°079	29°938	64°2	59°4	52°8	66°5	*461	*446	77	89	S	1	NE	3	8	10	—	D^2 a. Prismatic \bigcirc a.
19	29°839	*804	60°6	59°0	59°0	67°8	*457	*456	86	92	ENE	3	WSW	1	10	10	*070	—
20	*898	*946	60°5	57°5	57°5	61°8	*436	*457	84	97	ESE	4	E	4	10	10	0.820	[5p.—8p.]
21	*962	*970	58°9	57°6	57°0	68°2	*483	*444	98	93	ENE	2	SW	2	10	2	—	before 9a. D^2 p. Sky greenish
22	*860	*694	60°4	57°8	57°1	62°0	*460	*454	90	94	E	5	ESE	2	9	10	*730	D^2 before 9a. 3p. [after 10.28p.]
23	*512	*484	64°0	60°3	57°8	69°3	*505	*477	84	91	Calm	0	N	1	9	8	—	D^2 p. < 9.20p., and in NNW.
24	*487	*535	63°9	59°1	54°4	66°9	*477	*451	81	90	Calm	0	WNW	2	9	7	*100	D^2 n. T in W—SW. 10.8a.—10.35a. [T^0 11.42a.—11.50a. K 2 miles SSW.]
25	*560	*522	63°9	57°6	56°4	69°2	*467	*437	79	92	WNW	1	Calm	0	8	2	—	D^2 p. [at 10.22a. 3p.]
26	*504	*613	60°3	59°9	57°6	65°4	*461	*500	88	97	NE	2	WSW	3	10	6	*190	before 9a.
27	*665	*666	65°3	59°8	58°7	67°8	*485	*472	78	92	SW	5	SW	6	3	8	*060	Squalls a. and p.
28	*767	*803	63°3	59°8	57°2	69°1	*457	*469	78	91	WSW	6	Calm	0	9	10	*130	Squalls a. and p. Large meteor fell from [5° N. of zenith to 45° in N. at 9.19p.]
29	*546	*367	62°8	59°0	57°9	67°8	*558	*443	97	89	SSW	3	SSE	6	10	8	*500	K^0 occasionally 1a.—3a. backing [to ESE. at 11.30p. Bar. falling with from N. 1.30a. Squalls a. & p. [\bigcirc D^2 .]]
30	*472	*630	64°9	58°2	55°6	67°8	*467	*451	76	93	WSW	5	W	3	8	10	*130	D^2 7p.—8p.
31	29°747	29°943	60°9	58°0	56°7	69°0	*434	*412	82	85	WNW	3	W	4	9	6	—	—
Means	29°761	29°766	62°9	59°0	56°3	68°0	*471	*451	82.4	90.4	3°0	2°8	7°8	6°1	4.720			

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

AUGUST 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	62.8	61.4	60.2	66.5	in.	in.	%	%	ENE 5	ENE 6	9	0	ins.	[Bar. falling slowly. \searrow p. in squalls all day. Much dust.
2	30.224	30.055	62.1	60.5	60.0	67.8	.452	.481	79	89	NE 6	NE 4	9	0	—	in squalls.
3	29.927	29.820	62.1	60.5	60.0	67.8	.403	.416	77	80	NE 5	N by E 1	5	0	—	in squalls a. Day very fine. \searrow p.
4	.651	.774	63.5	59.0	57.8	68.1	.405	.436	70	88	Why S 1	Calm 0	5	10	.014	a. Fine. Dead calm from 5p.
5	.835	.866	66.1	61.1	55.0	71.5	.430	.463	68	86	SE 2	Calm 0	9	9	—	Very fine and calm at times, p. \searrow p.
6	.879	.803	66.6	65.0	58.4	72.3	.521	.537	80	87	S 2	SW 1	8	7	.098	T ⁰ < in SW. 2.10p. \searrow p.
7	.762	29.838	69.6	61.3	60.1	72.4	.539	.508	74	94	SW 3	N 1	9	1	.010	\searrow p.
8	29.934	30.072	62.8	60.7	59.4	71.4	.541	.497	94	94	WSW 3	NW 1	8	10	—	Bar. falling. Coloured \bigcirc 1p. Warm. Min. temp. of last night, 64°.
9	30.184	30.226	63.1	62.3	60.2	72.0	.529	.483	91	86	SE 2	E 3	3	5	—	Brisk fall of bar. from 9p. Squalls. Fine view of partial lunar eclipse. \searrow p.
10	30.151	29.942	71.4	69.6	60.5	73.3	.521	.502	67	70	S 2	W 3	10	9	.005	Brisk fall of bar. from 9p. Squalls.
11	29.775	.837	65.5	63.0	63.0	73.8	.568	.490	91	85	SW 3	SW 4	4	9	.444	Bar. 29.566 rising, 4.30a. \searrow p.
12	.980	.878	66.3	63.9	60.2	70.6	.434	.416	68	70	SW 3	SW 2	2	8	.003	\searrow p.
13	.717	.839	63.0	59.0	59.1	71.3	.547	.436	95	85	SW 3	W 4	10	10	.293	Bar. 29.566 rising, 4.30a. \searrow p.
14	.864	.700	63.0	61.6	59.1	68.2	.453	.517	77	94	WSW 4	WSW 3	10	2	.017	Bar. 29.566 rising, 4.30a. \searrow p.
15	.622	.782	65.8	61.5	60.5	69.5	.561	.512	88	94	SW 3	Calm 0	9	9	.220	\searrow p.
16	.752	.609	61.0	59.6	58.6	71.7	.487	.493	91	90	SW 3	WNW 2	4	2	.003	Partial \bigcirc 11p. \searrow p.
17	29.514	29.762	64.9	59.2	59.0	69.4	.476	.381	78	76	WSW 2	Calm 0	7	2	—	Bar. 29.566 rising, 4.30a. \searrow p.
18	30.040	30.151	65.3	58.2	57.8	69.4	.410	.415	66	85	NE 4	NE 4	7	10	.117	Bar. 29.566 rising, 4.30a. \searrow p.
19	30.128	29.941	63.1	61.4	55.6	68.8	.428	.429	75	79	E 3	Calm 0	5	10	.140	Bar. 29.566 rising, 4.30a. \searrow p.
20	29.776	.906	65.4	61.4	58.7	68.6	.472	.487	76	90	NE 5	W 2	10	2	.212	Bar. 29.566 rising, 4.30a. \searrow p.
21	29.917	29.995	62.1	60.6	58.0	65.5	.519	.476	93	90	SE 1	SE 3	5	0	—	Bar. 29.566 rising, 4.30a. \searrow p.
22	30.038	30.019	65.4	61.6	58.7	68.7	.488	.485	79	88	SE 4	SE 1	9	10	.348	Bar. 29.566 rising, 4.30a. \searrow p.
23	29.895	29.711	65.4	60.6	59.9	66.0	.464	.509	75	96	S 2	E 1	6	5	.753	Bar. 29.566 rising, 4.30a. \searrow p.
24	.577	.496	65.4	59.1	58.2	68.7	.514	.473	83	94	W 2	W 1	10	0	—	Bar. 29.566 rising, 4.30a. \searrow p.
25	.542	.602	61.5	60.6	57.9	69.0	.461	.486	85	92	WSW 4	SE 5	9	10	.285	Bar. 29.566 rising, 4.30a. \searrow p.
26	.632	.546	62.3	60.9	57.6	68.8	.452	.515	80	97	SW 4	W 2	10	0	.012	Bar. 29.566 rising, 4.30a. \searrow p.
27	.518	.716	63.0	62.1	60.1	66.9	.551	.526	96	94	SW 4	SW 6	2	2	.033	Bar. 29.566 rising, 4.30a. \searrow p.
28	.792	.813	63.3	63.3	60.1	70.8	.468	.461	76	80	SW 5	Calm 0	5	2	—	Bar. 29.566 rising, 4.30a. \searrow p.
29	.903	.886	66.1	61.0	60.5	71.6	.479	.470	76	88	S 2	SW 6	8	9	.056	Bar. 29.566 rising, 4.30a. \searrow p.
30	.650	.542	70.9	62.7	60.4	73.7	.588	.433	78	77	WSW 6	SW 5	9	0	.106	Bar. 29.566 rising, 4.30a. \searrow p.
31	29.844	30.016	62.9	60.8	59.0	68.2	.463	.476	81	90	W 5	W 2	10	10	.020	Bar. 29.566 rising, 4.30a. \searrow p.
Means	29.827	29.836	64.6	61.5	59.1	69.7	.488	.473	80.5	86.9	3.4	2.4	7.5	5.0	3.310	Bar. 29.566 rising, 4.30a. \searrow p.

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
2	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
3	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
4	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
5	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
6	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
7	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
8	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
9	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
10	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
11	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
12	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
13	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
14	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
15	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
16	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
17	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
18	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
19	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
20	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
21	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
22	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
23	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
24	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
25	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
26	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
27	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
28	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
29	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
30	30.195	30.177	57.4	55.1	53.4	61.9	368	396	78	91	NW 5	Calm 0	8	7	ins.	
Means	29.896	29.909	57.3	55.5	49.0	60.5	399	376	84.2	90.5	2.9	2.0	6.8	5.9	3.755	

WAKEFIELD.

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

SEPTEMBER 1878.

1	29.973	30.132	59.2	56.2	55.2	64.8	431	348	86	79	W 2	W 2	10	8	—	
2	30.238	30.199	58.2	55.4	52.2	66.8	367	378	76	87	Calm 0	W 1	10	5	—	Very close.
3	30.166	30.164	58.2	55.2	53.2	72.8	401	446	66	91	W 4	SE 1	7	6	—	
4	30.166	30.150	62.0	63.4	54.4	69.1	487	503	88	87	SE 1	ESE 1	10	4	—	∞ ² ga. Very gloomy rest of day.
5	30.045	30.089	59.2	61.8	57.2	67.8	487	535	97	80	NE 1	S 1	10	10	0.10	Very threatening, air close and sultry.
6	30.043	30.128	63.5	59.2	55.2	70.8	462	403	80	80	W 2	SW 1	0	5	—	D ga. Close and sultry. [ga.]
7	30.123	30.116	64.0	62.6	53.2	68.8	489	514	82	91	WSW 1	E 1	8	10	—	D ga. Very close and sultry gp.
8	30.065	30.091	58.4	61.2	57.3	66.7	467	489	96	91	E 1	W 1	10	6	—	Air very close and heavy gp.
9	30.062	30.102	61.9	54.2	54.2	66.8	464	334	84	79	WSW 2	W 1	10	5	—	
10	30.235	30.273	58.2	48.0	45.7	68.1	295	309	60	93	WNW 1	N 1	0	0	—	
11	30.256	30.228	60.2	49.2	45.1	72.8	367	319	70	92	S 1	Calm 0	0	0	—	
12	30.097	30.176	55.6	46.2	42.5	61.3	361	271	81	88	W 5	Calm 0	10	1	—	
13	30.110	30.007	57.2	52.6	42.5	64.2	324	328	69	82	W 2	W 1	0	1	—	Squally before ga.
14	30.044	30.098	60.2	60.2	50.1	65.2	403	447	77	86	W 3	S 3	6	8	—	
15	30.060	30.334	61.2	52.2	51.1	62.8	384	307	72	79	WSW 5	WSW 3	10	0	4.20	Squally p.
16	30.078	30.082	55.2	54.2	49.3	58.2	278	315	64	73	W 5	W 3	6	0	—	Squally before ga.
17	30.078	30.032	60.7	62.1	52.9	67.2	469	483	89	87	SW 5	WSW 7	8	6	3.80	Wind rough and boisterous ga. and gp.
18	30.073	30.039	56.1	47.2	46.1	62.8	361	231	79	72	W 4	W 5	6	3	1.60	K 6p.—8p.
19	30.073	30.073	53.3	46.4	45.5	57.2	278	283	68	90	SW 5	SW 1	5	4	3.10	
20	30.086	30.121	49.2	41.1	40.0	56.0	309	234	89	91	NNW 3	NNW 2	9	2	—	
21	30.139	30.067	52.2	48.5	36.0	57.9	274	304	71	90	W 2	Calm 0	1	6	—	
22	30.088	30.040	50.3	50.2	43.6	55.4	306	331	84	92	SSE 1	S 2	10	10	1.60	Cold air ga.
23	30.073	30.073	51.3	45.7	45.6	55.6	299	289	79	94	WSW 3	NNW 1	4	4	—	
24	30.073	30.073	51.2	37.2	37.2	68.0	280	319	85	85	Calm 0	W 1	3	8	1.20	
25	30.073	30.073	51.4	47.7	40.1	60.0	369	268	97	81	S 2	SW 2	10	0	1.90	Clouds very low, soft and heavy ga.
26	30.073	30.073	51.2	51.5	39.5	57.2	273	339	73	89	SW 2	SSW 2	1	10	0.90	[W to E ga.]
27	30.073	30.073	50.6	56.2	50.5	60.0	355	391	79	87	W 4	W 3	3	4	0.80	Long horizontal roll of cumulus from
28	30.073	30.073	50.6	59.2	53.2	62.8	428	456	93	91	S 1	Calm 0	10	10	4.50	Clouds very low and soft gp.
29	30.073	30.073	50.6	58.2	55.2	64.8	447	446	85	91	Calm 0	Calm 0	10	10	4.50	Very close.
30	30.073	30.073	50.2	50.2	49.3	59.3	394	329	98	91	WNW 1	NNW 2	10	10	1.80	< 4.30a. K 6.30a.
Means	29.918	29.940	56.9	53.7	48.5	63.5	377	365	80.6	86.9	2.3	1.6	6.6	5.2	2.550	

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	55.8	56.1	54.0	63.3	422	397	94	88	NW 3	NW 2	10	10	ins.	
2	29.948	30.145	54.2	50.9	49.7	63.3	391	357	93	93	W 1	SW 1	10	0	—	
3	29.260	*257	62.1	57.8	50.6	69.5	425	430	76	89	WSW 4	WSW 1	4	1	—	
4	*193	*195	64.1	57.9	52.7	71.3	485	470	81	98	SW 2	ESE 1	5	8	0.07	○ before ga.
5	*188	*131	62.8	59.9	56.6	68.3	539	496	94	97	SE 1	Calm 0	10	10	—	∞ a. Very fine.
6	*041	*008	65.6	57.7	49.9	73.4	449	446	72	93	W 1	Calm 0	0	0	—	
7	*059	*120	63.1	58.9	53.7	69.7	402	459	85	93	W 1	ESE 1	9	2	—	
8	*140	*125	60.9	57.6	57.2	65.4	500	465	94	98	ESE 1	ESE 1	9	10	—	∞ a. and p. T 2p.—4p.
9	30.058	*088	59.8	57.2	51.9	66.6	443	406	87	87	SW 1	NW 2	8	4	—	∞ ga. and before.
10	29.230	*205	60.1	49.9	49.7	66.4	403	308	78	86	NE 1	SE 1	4	0	—	
11	*285	*194	59.8	55.7	46.9	68.3	378	412	74	93	S 1	SW 1	0	0	—	Very fine.
12	*007	*129	57.0	47.9	47.8	59.2	428	289	92	88	SW 2	NW 3	9	0	0.273	∞ ga. and before. p.
13	30.119	30.027	55.8	49.0	41.4	65.8	311	322	70	93	NW 1	NW 1	1	1	—	Very fine.
14	29.071	29.955	53.3	58.1	44.9	66.3	362	443	89	91	WSW 2	SW 1	9	9	—	∞
15	*730	*365	57.1	52.9	52.6	61.4	373	375	80	94	SW 5	W 4	9	8	3.35	∞ a. p.
16	*576	*892	53.7	49.9	46.7	58.2	290	278	71	79	W 7	W 4	1	3	0.04	2 a. with squalls p.
17	*835	*750	59.5	58.9	47.9	66.2	399	400	79	81	WSW 6	WSW 4	8	4	0.227	
18	*583	*663	55.1	46.3	46.3	59.7	371	263	85	84	WNW 3	W 5	9	6	0.028	∞ a. p.
19	*759	29.756	52.9	45.8	42.7	59.3	267	294	70	95	W	WNW 1	2	10	0.066	Very fine, with a.
20	29.843	30.108	50.6	40.0	38.9	56.5	301	242	81	98	NW 1	NNW 1	1	0	0.038	∞ ga. Very fine, but cold p.
21	30.148	30.123	51.9	45.6	38.0	56.2	294	280	76	92	NW 1	SW 1	0	4	—	∞ ga. and before.
22	29.934	29.616	50.8	50.8	44.9	55.7	277	322	75	86	S 4	SE 4	10	10	0.084	
23	*469	*501	47.0	43.0	40.1	59.2	296	257	92	93	WSW 1	Calm 0	8	0	—	T 4p.
24	*616	*709	48.2	49.9	36.9	53.9	305	335	91	94	NW 1	NE 1	8	9	0.009	
25	*631	*690	48.8	45.0	36.8	54.5	317	279	93	94	SSE 3	WNW 2	10	0	0.293	
26	29.894	29.978	50.6	46.6	36.0	59.4	287	275	78	88	W 2	WSW 3	1	3	—	∞ ga. and before.
27	30.003	30.064	53.6	51.6	45.8	62.4	338	364	81	95	WSW 2	NW 1	7	1	0.007	
28	*068	30.042	55.6	50.2	49.5	64.3	422	439	95	98	WSW 1	W 1	10	9	0.020	∞ ga.
29	30.053	29.921	56.6	56.6	53.6	65.4	437	400	95	93	SW 1	SE 1	10	10	0.276	∞ ga. and before.
30	29.506	29.823	52.3	48.9	48.9	56.7	362	330	92	96	SW 3	NNW 2	10	10	0.323	K before ga.
Means	29.938	29.956	56.0	52.0	47.1	62.9	379.7	361.1	83.8	91.6	2.3	1.7	6.4	4.7	1.970	

BUXTON.

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

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	53.2	52.4	52.0	52.7	ins.	ins.	96	93	NW 3	NW 3	10	7	ins.	
2	30.014	30.197	53.2	52.4	52.0	52.7	388	366	96	93	NW 3	NW 3	10	7	—	
3	269	242	54.9	54.4	50.5	62.9	333	371	78	87	NW 3	W 1	10	0	—	
4	204	218	59.3	56.4	52.5	67.2	406	413	81	91	W 2	W 1	7	2	—	
5	186	151	62.5	57.8	48.0	69.0	464	454	83	94	Calm	E 2	8	10	0.30	
6	070	056	56.9	56.7	54.0	68.8	451	415	98	90	SW 2	Calm	0	10	3	
7	077	144	60.6	58.3	49.4	67.3	413	428	79	87	NW 3	NW 2	2	6	—	
8	155	131	60.8	59.2	56.0	66.8	457	473	87	95	WNW 1	NW 2	10	8	—	
9	067	042	58.3	56.9	56.0	65.6	449	454	92	98	NE 1	W 3	10	10	—	9p.
10	000	153	59.6	49.7	46.0	62.3	436	276	86	78	W 2	NW 4	7	0	0.40	9a.
11	241	332	58.0	44.9	42.8	63.8	285	261	59	88	NW 2	NW 1	3	0	—	
12	270	233	60.6	53.6	48.7	67.8	351	364	67	88	WSW 2	NW 2	0	1	—	
13	049	214	55.1	48.3	39.1	57.0	399	275	91	82	NNW 4	NW 2	10	3	1.10	
14	30.151	30.063	54.5	47.9	39.8	59.9	321	311	76	94	NW 2	NW 1	6	1	—	
15	29.983	29.977	56.3	56.7	39.7	61.9	369	418	81	91	W 3	W 2	7	7	—	
16	665	421	56.7	48.4	48.0	57.4	424	268	92	79	WSW 4	W 3	8	8	3.70	a. and p.
17	651	947	47.9	49.7	44.5	52.1	271	262	82	74	WNW 4	WNW 4	7	4	1.200	a. and p.
18	893	730	55.4	57.6	48.2	61.8	424	437	96	92	WSW 3	NW 4	10	10	—	a. and p.
19	644	708	49.9	49.4	48.8	48.4	321	327	90	93	NNW 2	NW 3	10	4	2.70	a. and p.
20	781	29.771	49.4	43.7	42.0	55.1	260	267	74	93	W 6	NW 1	4	5	3.35	before 9a.
21	29.910	30.150	47.4	40.4	40.0	55.4	305	239	94	96	N 2	NW 2	9	0	—	
22	30.185	30.128	49.9	43.4	36.2	55.9	276	259	78	92	N 3	N 1	6	0	—	
23	29.886	29.561	48.3	46.9	42.4	52.4	294	308	88	97	SW 2	NE 3	6	10	7.10	before 9a. 9p.
24	474	549	46.6	41.7	40.0	51.3	281	246	90	93	WNW 3	W 1	6	10	0.40	a. and p.
25	652	769	49.9	42.2	32.6	60.4	295	256	83	95	NW 3	NW 2	4	0	1.10	
26	608	29.762	49.9	45.3	40.0	54.7	346	248	97	82	WSW 3	NW 2	10	2	5.63	
27	29.934	30.021	48.4	48.7	44.5	53.9	268	289	79	85	W 4	W 5	7	10	0.50	
28	30.037	30.099	50.4	55.6	47.4	54.9	339	413	93	93	W 1	WNW 1	10	10	0.45	
29	073	30.066	57.0	55.9	52.3	62.1	431	418	92	93	WNW 2	Calm	0	8	0.70	
30	30.061	29.921	58.6	55.2	52.0	63.0	439	406	89	93	NW 1	SW 2	8	10	5.20	
Means	29.960	29.989	54.2	50.9	45.9	60.1	361	341	85.5	90.0	2.6	2.1	7.4	5.3	5.193	K before 9a. 9a.

HILLINGTON.

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

SEPTEMBER 1878.

1	29°937	30°136	58°6	58°3	55°4	62°7	*439	*453	89	92	NW 4	NW 1	10	10	*010	
2	30°249	30°5	61°0	49°4	49°4	63°5	*487	*353	92	100	NW 1	W 1	8	0	—	
3	*213	*244	63°5	55°0	47°9	71°5	*535	*430	92	99	W 3	S 1	4	0	—	
4	*234	*109	63°9	58°8	51°6	74°3	*512	*492	87	99	S 1	SW 1	1	5	—	Hot and close.
5	*032	*027	69°2	63°7	56°8	75°3	*635	*590	89	100	E 1	E 1	8	7	—	Hot and close.
6	*011	*137	59°2	56°0	53°8	75°0	*500	*446	99	99	S 1	Calm	0	10	0	early a.—11a. ∞ noon.
7	*109	30°052	65°5	59°2	48°6	74°5	*526	*496	85	99	SW 1	S 1	5	3	—	early a. Bright and hot.
8	*031	29°967	61°9	58°6	54°2	65°2	*529	*492	96	100	E 1	E 1	8	10	*163	before 9a.
9	*038	30°092	62°8	61°5	54°5	66°6	*514	*529	90	97	W 3	W 1	8	8	—	
10	*232	*275	64°7	48°4	45°2	67°9	*545	*324	90	96	E 3	Calm	0	2	0	Very fine and sunny.
11	*274	*284	64°5	56°0	43°6	72°3	*562	*449	93	100	S 1	E 1	0	0	—	early a. Very fine and sunny.
12	*019	*023	62°5	54°0	47°8	63°4	*516	*412	92	99	S 3	S 5	7	8	*250	Cold and windy p.
13	*115	*051	61°2	49°9	48°1	64°9	*489	*352	91	98	N 1	E 1	2	2	—	Sunny and hot.
14	30°047	30°001	53°7	57°9	42°8	67°7	*386	*477	94	100	S 1	W 1	9	5	—	
15	29°750	29°436	59°7	54°9	60°0	67°9	*485	*431	95	100	W 4	W 7	7	10	*212	
16	*622	*951	52°1	51°4	46°2	59°4	*375	*371	96	98	W 7	W 4	4	4	—	☉ ² a.
17	*870	*841	62°6	60°7	48°5	66°9	*554	*496	97	94	S 3	W 3	7	8	*108	☉ ² a. and p.
18	*590	*672	59°7	49°0	48°1	61°2	*512	*343	100	99	S 3	W 3	10	0	—	☉ ² early a. ☾ 10a.—sunset.
19	*860	29°731	54°4	49°9	41°8	58°9	*406	*360	96	100	SW 4	W 2	4	5	*143	Cold ☾ mid-day.
20	29°805	30°077	54°4	46°5	38°2	58°9	*366	*317	87	100	W 3	W 1	4	2	*042	
21	30°134	30°166	53°7	43°7	34°0	59°4	*373	*283	90	99	W 2	Calm	0	3	0	Fine and bright.
22	29°987	29°630	53°1	53°3	43°5	58°9	*367	*396	91	97	S 1	S 3	8	10	*063	
23	*481	*519	49°9	42°7	42°7	59°0	*357	*274	100	100	SW 2	Calm	0	8	0	Fine, but cold.
24	*590	*691	48°4	44°9	34°8	52°2	*333	*296	98	99	W 2	Calm	0	10	*075	☉ ² early a.
25	*708	29°643	51°7	51°5	39°8	56°2	*360	*362	94	96	S 1	SW 2	6	3	*325	
26	29°887	30°021	49°9	43°9	36°8	59°4	*333	*285	93	99	W 2	W 1	2	0	—	Very fine and warm.
27	30°035	*044	55°7	46°7	42°6	60°7	*422	*317	95	99	SW 1	SW 1	8	5	*040	
28	*115	30°031	55°1	58°8	44°1	68°2	*431	*496	99	100	S 1	SW 1	10	10	*005	Hot.
29	30°027	29°983	59°2	54°6	54°3	68°7	*492	*449	98	98	W 0.1	NE 0.2	10	5	*347	☉ ² 4a.—8a.
30	29°581	29°770	54°4	54°0	51°5	56°7	*388	*415	92	99	SW 3	WNW 3	7	10	*178	
Means	29°953	29°957	58°2	53°2	46°6	64°6	*458	*406	93.3	*98.5	2.1	1.6	6.3	4.3	1.961	

* NOTE.—The wet-bulb readings are evidently too high, consequently the hygrometrical deductions cannot be relied upon as being correct.

UPPINGHAM.

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

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	50° 16'	50° 1'	54° 0'	53° 5'	59° 8'	ins.	ins.	90°	85°	WNW 3	NW 3	10	10	ins.	☞ early a.
2	29° 971	30° 161	57° 9'	54° 1'	48° 2'	63° 9'	430	397	355	90	86	NW 1	S 0-1	10	0	—	Cleared about noon.
3	30° 256	247	57° 9'	54° 1'	48° 2'	63° 9'	430	397	355	81	86	SW 3	Calm	0	7	0	Wind gusty during day. ☞ 9p. D
4	219	196	60° 3'	58° 2'	51° 2'	70° 3'	413	445	80	91	50	Calm	SSE 1	10	8	—	☞ 9a.
5	184	103	62° 3'	57° 5'	52° 3'	70° 8'	464	455	82	96	50	Calm	Calm	0	10	0	☞ 2 early a., clearing off at 9a.
6	023	009	61° 4'	60° 2'	55° 0'	74° 5'	517	505	96	97	50	Calm	Calm	0	10	0	☞ 2 early a. ∞ on horizon. ☞ 2 9p
7	077	123	62° 5'	57° 9'	55° 3'	70° 8'	471	450	83	94	WSW 1	Calm	0	9	10	—	[∞ all day. ☞ 8p. ☞ 9p.
8	124	099	65° 4'	59° 5'	52° 3'	72° 8'	494	490	80	96	WNW 1	Calm	0	10	10	—	☞ till 9.20a. Bar. rising fast 9a
9	044	006	58° 2'	58° 1'	55° 8'	67° 8'	479	477	99	98	Calm	NWb.N 3	10	10	—	☞ before 9a. Wind gusty 9p.	
10	015	106	58° 2'	59° 2'	53° 5'	66° 5'	404	433	83	87	Calm	Calm	0	10	0	—	☞ 0 ∞ in S. 9p. Wind WSW force
11	218	241	56° 5'	51° 1'	45° 8'	71° 8'	351	337	76	89	SSE 1	Calm	0	0	0	—	☞ 2. Bright all day. [3. 10p
12	284	205	60° 1'	67° 0'	47° 9'	71° 4'	386	397	75	83	SSW 3	Calm	0	10	0	080	☞ Gusty wind 9a. Wind W. force
13	060	157	59° 7'	48° 3'	48° 3'	61° 3'	436	306	86	91	NNW 2	NW 0-1	3	1	—	☞ early a. ∞ all day. [at 8.45p	
14	30° 145	30° 047	54° 2'	50° 7'	41° 0'	59° 8'	350	350	83	94	WbyN 0-1	SWb.W 1	10	9	—	[from 5p.—7p	
15	29° 990	29° 974	54° 6'	57° 5'	43° 7'	67° 2'	380	427	89	89	SW 6	SWb.W 6	9	8	260	Very squally all day. ☞ (force 9-10)	
16	786	384	57° 1'	56° 6'	52° 9'	60° 7'	350	375	75	81	WbyN 7	Wby S 4	7	8	—	Squalls a. and p. Rough night.	
17	662	952	54° 0'	50° 1'	46° 5'	57° 4'	263	260	63	72	WbyS 7	SW 2	8	9	040	☞ 9p. Rough night.	
18	887	814	59° 5'	58° 5'	48° 9'	65° 0'	306	459	78	94	WNW 3	WSW 3	10	0	—	Rough wind a. and 9p.	
19	617	724	53° 4'	46° 1'	45° 6'	60° 7'	368	247	90	79	W 4	WSW 2	2	10	—	☞ in squalls till about 4.30p.	
20	834	755	51° 6'	50° 3'	42° 4'	57° 9'	265	311	70	86	NNW 3	NW 1	1	2	042	☞ 2 a.	
21	861	30° 096	50° 1'	42° 3'	38° 5'	56° 5'	297	251	82	93	WbyS 1	SW 1	1	6	—	☞ before 9a.	
22	30° 160	30° 138	47° 6'	44° 8'	39° 0'	58° 5'	277	246	85	83	S 3	SW 3	10	10	155	Squalls before 9a.	
23	924	29° 569	49° 6'	49° 1'	44° 5'	54° 5'	284	331	81	95	SW 1	NW 1	10	10	—	Squalls and ☞ before 9a.	
24	669	505	46° 6'	45° 2'	40° 5'	54° 0'	303	273	96	81	NW 2	NW 1	8	10	—	☞ 9a. and before.	
25	618	714	47° 8'	50° 8'	40° 7'	58° 0'	383	319	86	96	SSW 2	NW 3	10	0	274	☞ 0 9a. Bar. falling 5p., rising 9p.	
26	663	29° 713	49° 8'	46° 3'	43° 4'	55° 9'	337	279	94	80	NW 2	WSW 2	7	7	—	☞ before 9a. Brilliantly clear 9.30p	
27	919	30° 012	48° 1'	48° 8'	38° 1'	56° 8'	264	297	79	96	W 3	WbyN 1	8	9	—	—	
28	30° 024	079	55° 3'	55° 3'	46° 0'	61° 7'	351	399	80	91	W 2	W 1	10	9	—	Scotch ☞ 6a.	
29	067	30° 046	58° 9'	58° 5'	50° 2'	61° 5'	459	438	93	89	Calm	Calm	0	10	9	☞ 7a.—11a. ☞ D a.	
30	30° 039	29° 918	58° 8'	52° 8'	51° 7'	65° 0'	467	386	95	90	WbyS 7	WNW 1	9	10	068	Wind rising 4.30a. ☞ (force 8), ☞	
30	29° 594	29° 820	52° 0'	51° 1'	49° 9'	54° 1'	335	370	86	99						[5a.—6.45a. ☞ (communicated 5.30a.—6.45a.	
Means	29° 958	29° 964	55° 6'	53° 0'	47° 4'	62° 9'	375	368	83° 9'	89° 6'	2° 4'	1° 4'	7° 6'	5° 8'	1° 120		

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	50°	53°	53°	60°	ins.	ins.	81	78	NW 2	NW 1	9	9	—	
2	287	260	57°	56°	51°	67°	349	385	74	85	Calm	NW 3	9	1	—	
3	236	220	61°	54°	53°	70°	399	391	75	91	W 3	SW 1	9	2	—	
4	191	104	58°	57°	50°	66°	433	434	89	93	N 0.5	SW 1	8	4	—	8. Wind backing to E. and
5	043	051	58°	59°	53°	68°	456	450	93	85	N 0.5	WSW 1	10	2	0.06	ga.
6	104	131	61°	59°	51°	69°	428	453	80	89	W 3	NW 1	8	8	—	
7	149	110	61°	59°	57°	66°	483	477	90	95	E 1	Calm	10	10	1.01	
8	073	066	59°	56°	55°	65°	477	418	96	92	Calm	W 0.2	10	0	0.06	ga. Distant T p.
9	030	191	60°	55°	52°	63°	418	396	80	91	W 3	NW 0.5	9	3	—	
10	202	208	53°	49°	40°	64°	340	323	82	91	WNW 1	Calm	0	5	—	
11	282	244	55°	54°	42°	71°	369	377	85	88	N 1	WSW 1	0	2	—	
12	066	254	59°	49°	46°	60°	431	276	86	79	W 3	W 1	9	0	0.08	
13	201	30°070	54°	45°	40°	63°	327	286	78	93	W 2	Calm	0	1	—	
14	30°020	29°086	58°	57°	52°	62°	407	406	84	84	W 1	S 1	10	8	—	
15	29°738	29°490	57°	52°	52°	62°	396	261	82	67	SW 4	WNW 2	8	6	2.75	Rough with ●.
16	762	30°036	52°	52°	48°	57°	281	296	72	76	WNW 4	NW 2	5	4	—	
17	933	29°808	58°	61°	51°	67°	431	462	89	86	NW 2	SW 4	8	5	1.48	
18	698	795	52°	46°	45°	61°	357	247	91	80	SW 1	SW 1	8	0	0.60	
19	872	29°786	52°	47°	45°	57°	271	285	70	87	W 4	W 1	5	1	1.26	
20	29°911	30°192	50°	40°	38°	56°	317	236	88	93	NW 3	NW 1	8	2	—	Wind veering to N.
21	30°201	30°108	50°	47°	37°	60°	280	265	77	80	NNE 0.5	SSE 2	1	5	—	
22	29°823	29°535	50°	47°	45°	55°	313	313	85	97	SW 2	SE 1	10	10	0.76	
23	469	537	46°	41°	40°	57°	289	250	91	95	WSW 0.5	WNW 1	2	4	—	Bright with cold wind.
24	691	780	48°	51°	33°	60°	294	340	86	88	W 1	SW 1	2	8	0.05	
25	603	29°827	54°	45°	43°	60°	401	260	96	87	SSW 4	NW 1	8	2	0.08	
26	29°989	30°058	47°	51°	35°	56°	285	323	86	84	WNW 1	SW 2	5	8	—	
27	30°047	147	59°	54°	50°	64°	425	399	83	95	SW 2	NW 1	5	7	—	Pleasant weather.
28	115	30°099	59°	57°	52°	62°	439	446	86	95	SW 1	SW 1	8	8	—	
29	30°038	29°882	58°	53°	52°	63°	461	385	95	94	WSW 1	NNW 1	6	8	3.36	
30	29°665	29°917	52°	50°	50°	55°	355	355	88	95	NW 3	NW 1	8	9	0.20	
Means	29°987	30°008	55°	52°	47°	62°	376	350	84°	87°	1°	1°	6°	4°	2°449	

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30°055	30°216	57°	53°	53°	62°	369	329	79	80	WNW 5	Calm	10	4	—	
2	277	257	59°	54°	50°	62°	394	370	79	88	Calm	Calm	6	1	—	dp.
3	235	186	61°	57°	51°	71°	419	434	78	92	W 1	Calm	9	0	—	ga. and dp.
4	156	075	60°	61°	50°	68°	465	465	85	86	Calm	Calm	10	9	—	ga. and dp.
5	017	017	63°	60°	57°	72°	473	492	81	94	Calm	Calm	7	0	0.05	ga. and dp.
6	103	135	63°	56°	53°	72°	447	407	77	90	NW 1	Calm	2	1	—	
7	142	086	61°	59°	55°	65°	487	483	91	97	Calm	Calm	9	8	2.750	
8	053	036	57°	57°	55°	65°	467	412	97	86	SW 1	Calm	9	1	—	2.4a. (2.75ins. ● in 1½ hrs.) ▲
9	042	140	60°	57°	52°	65°	427	415	81	86	WSW 1	NE 1	8	6	0.40	[in masses over an inch long.]
10	265	276	56°	52°	43°	61°	348	349	76	89	W 1	Calm	0	1	—	
11	273	202	53°	57°	42°	70°	369	434	92	90	Calm	Calm	3	1	—	
12	095	183	60°	51°	48°	62°	446	283	84	74	W 2	WNW 1	6	0	0.30	
13	177	30°066	55°	51°	43°	60°	334	315	75	82	W 1	W 1	1	3	—	
14	30°010	29°076	60°	49°	43°	61°	397	498	75	98	W 2	Calm	0	8	2	
15	29°759	29°495	58°	55°	55°	62°	377	328	77	74	SW 4	W 4	8	7	1.190	
16	784	30°021	52°	54°	51°	59°	272	294	70	70	NW 5	W 3	3	6	—	
17	959	29°767	62°	61°	51°	63°	425	469	76	86	W 4	SW 1	8	8	1.110	
18	685	778	55°	49°	47°	62°	407	254	92	73	W 2	NW 5	9	0	0.010	
19	883	29°757	54°	52°	45°	60°	301	343	71	85	W 3	W 2	8	5	0.050	
20	29°893	30°134	52°	44°	40°	62°	297	252	76	86	NW 2	Calm	0	7	0	
21	30°199	30°116	50°	46°	34°	62°	292	294	79	93	Calm	Calm	4	3	—	
22	29°821	29°505	52°	47°	46°	60°	323	309	83	96	S 1	W 1	7	10	0.630	
23	497	515	47°	40°	40°	57°	312	245	94	96	W 1	Calm	0	8	1	0.30
24	662	800	46°	50°	33°	63°	285	323	90	89	Calm	Calm	0	3	0.060	
25	609	743	53°	48°	48°	61°	379	286	93	86	W 3	N 1	9	0	0.050	
26	29°977	30°099	47°	48°	38°	59°	284	293	87	85	Calm	NW 1	8	3	—	
27	30°040	103	58°	54°	47°	65°	388	399	79	93	W 2	Calm	0	8	9	
28	094	30°073	61°	58°	54°	66°	447	434	83	89	W 1	W 1	8	10	—	
29	30°018	29°873	58°	53°	52°	62°	449	388	91	94	Calm	Calm	0	10	0	2.20
30	29°676	29°890	53°	51°	51°	59°	359	345	88	92	WNW 5	Calm	0	9	—	ga. and dp.
Means	29°982	29°984	56°	53°	48°	63°	381	365	82°	87°	1°	0°	6°	3°	4°175	

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	58°	57°	55°	61°	ins.	ins.	88	82	NW 4	NW 3	10	10	ins.		
2	29°961	30°156	58°	57°	55°	61°	424	385	88	82	NW 4	NW 3	10	10	—		
3	245	263	59°	51°	48°	67°	391	366	76	96	NW 1	Calm	0	0	—		
4	242	188	62°	55°	46°	71°	416	431	73	99	SW 1	Calm	0	6	0		
5	30°172	30°066	64°	58°	50°	72°	456	467	75	95	S 1	S 1	7	0	—		
6	29°985	29°986	69°	65°	55°	75°	541	560	75	90	S 1	S 2	5	6	0.10		
7	30°070	30°115	63°	62°	54°	74°	496	477	84	85	SW 1	S 2	0	0	—		
8	131	30°086	68°	60°	47°	75°	470	503	67	97	S 2	S 1	0	0	—		
9	015	29°982	61°	57°	53°	68°	459	457	93	98	S 1	NW 1	10	10	0.10	☼ T.	
10	015	30°083	63°	62°	56°	66°	464	487	80	86	NW 2	NW 2	7	6	—		
11	188	289	55°	52°	44°	68°	353	374	81	95	NW 2	Calm	0	0	—		
12	275	197	65°	54°	41°	73°	472	412	76	99	E 3	NW 1	0	0	—		
13	053	100	63°	50°	48°	66°	410	287	71	80	W 2	NW 3	7	0	0.050	☼ a.	
14	112	30°025	55°	44°	42°	65°	313	285	71	97	NW 2	Calm	0	2	0	—	
15	30°000	29°955	56°	59°	40°	71°	361	439	78	86	W 2	SW 1	7	8	—		
16	29°838	29°451	60°	58°	53°	66°	358	479	69	97	SW 3	SW 6	7	10	1.120	☼ 2.	
17	689	30°005	57°	51°	50°	61°	318	287	67	76	W 5	NW 2	4	0	—	☼.	
18	052	29°853	60°	60°	49°	60°	404	469	77	89	W 4	SW 3	8	5	2.30		
19	611	766	60°	49°	49°	62°	482	270	93	77	SW 2	W 2	10	0	0.080		
20	877	29°779	53°	49°	45°	60°	278	324	68	91	SW 3	SW 2	0	0	1.110		
21	833	30°075	50°	43°	42°	57°	302	266	82	93	NW 2	NE 1	7	0	0.010	☼ at night.	
22	30°161	30°118	52°	45°	35°	58°	288	221	73	89	NW 3	SW 1	0	10	—	☼ before 9a.	
23	29°951	29°606	54°	53°	45°	57°	311	331	73	81	S 2	SE 4	10	10	0.030		
24	467	490	49°	39°	39°	56°	304	241	87	99	SW 2	Calm	0	7	0	—	
25	603	752	46°	30°	32°	55°	317	334	99	91	NW 2	SW 1	7	10	0.040		
26	711	29°724	52°	49°	41°	57°	340	327	86	93	SW 2	SW 3	9	10	1.100		
27	29°928	30°017	50°	46°	38°	59°	286	273	77	89	SW 2	NW 1	6	0	—		
28	30°058	071	55°	46°	45°	59°	343	451	77	95	SW 3	SW 2	6	10	0.010		
29	083	30°048	58°	52°	49°	56°	454	375	93	96	Calm	W 1	10	0	—	Low ☼ at night. [during the day.	
30	30°031	29°903	56°	52°	48°	65°	439	329	96	84	Calm	Calm	0	10	0.150	☼ early a. and at night. Fine & clear	
31	29°633	29°804	53°	53°	48°	60°	367	345	83	83	W 4	NW 6	6	10	0.020	☼ 2 6a.→7a 2.	
Means	29°065	29°965	58°	55°	46°	64°	389	377	79°	60°	2°	1°	5°	3°	0°	970	

MARLBOROUGH.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	58.4	56.0	52.7	62.4	ins.	ins.	80	86	NW 1	Calm	9	9	ins.	
2	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
3	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
4	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
5	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
6	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
7	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
8	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
9	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
10	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
11	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
12	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
13	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
14	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
15	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
16	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
17	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
18	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
19	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
20	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
21	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
22	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
23	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
24	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
25	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
26	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
27	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
28	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
29	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
30	30.059	30.222	58.4	56.0	52.7	62.4	389	384	80	86	Calm	0	7	9	---	
Means	30.018	30.017	57.8	53.2	47.0	65.6	397	384	82.5	93.1	0.8	0.2	6.6	4.6	1.761	

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
2	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
3	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
4	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
5	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
6	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
7	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
8	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
9	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
10	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
11	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
12	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
13	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
14	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
15	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
16	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
17	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
18	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
19	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
20	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
21	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
22	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
23	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
24	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
25	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
26	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
27	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
28	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
29	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
30	30.047	30.195	57.6	57.7	53.1	62.2	374	430	79	90	NW 1	W 1	10	10	---	
Means	30.017	30.014	57.9	53.1	45.8	66.5	398	384	82.6	93.8	1.2	1.1	6.1	4.4	0.749	

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.			
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.			
1	29.988	30.195	60.2	59.7	57.1	62.7	.431	.436	83	86	SW	6	SW	4	7	10	—	
2	30.289	.328	61.3	57.1	54.1	65.8	.413	.397	76	84	NW	2	Calm	0	0	4	—	dp
3	.330	.254	61.1	57.5	50.4	67.2	.407	.437	76	92	NW	1	Calm	0	5	0	—	dp.
4	.215	.105	64.8	63.9	53.9	69.5	.489	.535	81	91	Calm	0	NE	3	5	7	.054	dp.
5	.014	.046	65.9	62.1	61.4	67.7	.526	.528	88	94	Calm	0	Calm	0	9	10	.140	
6	.122	.173	68.4	60.9	58.1	73.3	.576	.496	83	94	W	2	Calm	0	0	3	.025	dp.
7	.174	.126	65.6	62.5	56.0	72.2	.529	.524	84	93	W	1	Calm	0	0	0	.025	dp.
8	.057	.027	62.8	60.9	59.9	72.2	.535	.500	94	94	SW	1	SW	1	10	7	.440	Rp.
9	.055	.140	60.8	62.3	55.0	68.0	.405	.505	88	90	SW	1	SW	2	7	10	—	
10	.178	.297	61.3	55.0	54.9	67.2	.377	.382	70	89	W	1	Calm	0	4	2	—	before ga. dp.
11	.300	.351	66.5	61.5	52.6	71.2	.522	.522	81	96	Calm	0	Calm	0	3	0	—	dp.
12	.117	.076	63.4	55.1	54.0	68.3	.457	.299	79	69	NW	2	SW	6	4	2	.031	Sudden 2.45p. Squally dp.
13	.093	.066	58.8	54.2	53.1	66.3	.379	.366	77	87	SW	5	NE	1	9	1	—	
14	30.050	30.024	60.0	56.9	47.8	69.0	.400	.425	77	92	NW	1	Calm	0	5	0	—	dp.
15	29.923	29.665	62.9	62.9	53.0	64.3	.404	.430	71	76	S	5	SW	8	5	10	—	with squalls p.
16	29.782	30.066	58.8	50.8	49.2	63.0	.324	.286	65	77	SW	6	SW	1	0	2	—	with squalls a. and p.
17	30.045	29.950	60.5	60.8	49.1	65.2	.399	.472	76	89	SW	6	SW	6	9	10	.330	with squalls all day.
18	29.707	.846	61.7	50.2	49.9	63.3	.520	.395	95	84	SW	6	W	3	10	1	.280	with squalls a. and p.
19	.965	29.874	54.8	51.9	44.2	62.0	.279	.324	66	88	W	5	SW	5	3	1	.225	with squalls p.
20	29.853	30.093	52.8	52.8	49.6	58.5	.325	.307	81	77	W	2	NW	6	4	4	—	Sudden forked ↘ from W., no clouds visible anywhere 8.30p.
21	30.211	30.186	53.2	51.9	43.9	59.2	.325	.313	80	82	W	2	SW	1	5	10	—	dp.
22	30.037	29.696	55.6	57.3	50.9	57.8	.317	.313	72	67	SW	6	SW	7	10	10	.280	with squalls all day.
23	29.499	.515	51.5	48.4	47.2	58.0	.370	.301	98	89	SW	2	Calm	0	10	0	.115	dp.
24	.625	.803	50.6	51.6	41.1	60.0	.338	.335	93	88	NW	2	Calm	0	5	10	—	
25	.788	29.720	56.9	57.3	45.8	59.8	.328	.462	71	98	SW	1	SW	2	9	7	.060	with squalls p.
26	29.968	30.107	54.1	47.2	46.9	59.2	.311	.247	73	77	NW	2	NW	1	6	0	—	dp.
27	30.131	.127	55.3	50.6	45.8	64.3	.344	.422	79	94	W	1	Calm	0	2	1	—	dp.
28	.157	30.103	59.6	59.6	52.1	66.8	.446	.483	88	95	W	1	Calm	0	7	10	—	
29	30.064	29.970	58.9	58.1	55.9	64.3	.461	.483	93	100	W	1	Calm	0	5	2	—	[the evening up to rop.
30	29.697	29.865	60.2	56.0	55.3	63.3	.447	.346	86	77	SW	4	SW	4	3	10	.033	before ga. dp. during Squalls p.
Means	30.014	30.021	59.6	56.7	51.5	65.0	.416	.407	80.8	87.0			2.5	2.0	5.4	4.8	2.038	

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. $0^{\circ} 38' \text{ E.}$ Lat. $50^{\circ} 52' \text{ N.}$

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	60°2	58°2	55°5	62°0	in.	in.	%	%	NW 6	NW 1	9	10	ins.	
2	30°003	30°182	60°2	58°2	55°5	62°0	404	424	77	87	NNW 1	Calm 0	0	0	—	D ² 9p.
3	280	314	60°9	55°2	53°3	66°0	359	381	67	88	SSW 1	Calm 0	4	0	—	Very fine. D ² 9p.
4	309	236	61°8	56°0	53°4	66°5	407	416	74	92	E 1	NE 5	5	8	—	
5	181	051	65°3	64°7	55°3	68°5	493	482	79	79	S-E 0-1	SSW 0-1	9	10	150	
6	005	036	66°6	61°7	60°9	68°3	553	516	85	94	W 1	NNW 0-1	9	0	010	W ² n. D ² 9a. and 9p.
7	116	155	63°5	60°3	58°3	68°9	564	503	96	96	SSW 0-1	NE 1	0	0	—	D ² 9a.
8	168	103	66°1	61°3	57°3	69°9	429	435	77	80	W 1	NNW 0-1	1	9	030	W ² n. 9a. Fine till 6p., then 0°.
9	052	030	65°7	59°3	57°1	69°3	466	473	74	94	NW 3	W 0-1	9	10	—	W ² n. D ² 9a. Fine till 9°30p. then 0°.
10	055	121	59°7	61°7	53°5	67°0	404	509	91	93	NE 3	NE 3	8	0	010	
11	211	268	60°0	56°4	53°4	70°1	342	428	66	95	SE 1	E 0-1	0	0	—	D ² 9a. and 9p. Very fine.
12	287	233	64°8	58°5	53°4	70°1	456	446	75	91	W 1	NW 4	1	0	—	D ² 9a. Very heavy appearance and [wind changing from W. to N. 3p.
13	129	123	61°4	53°2	53°0	69°1	446	297	82	73	W 1	NW 4	1	0	—	[W ² squall 3.20p. 0° 4p.]
14	112	072	55°9	54°6	48°2	66°2	318	310	70	73	W 5-6	N 0-1	0	0	—	D ² 9a.
15	30°051	30°029	59°7	56°2	48°4	65°2	368	428	71	95	W 1	W 1	0	0	—	2.30p. Bar. fell rapidly p. W ² with [at night, subsiding between 11p. and midt.
16	29°931	29°620	61°9	61°5	54°4	64°6	412	445	74	81	SW 5-6	SSW-SW 9-10	7	10	095	Fine with W ² 10° 15p.
17	29°716	30°084	57°8	52°0	50°5	62°0	300	303	63	78	W 7	W 1	2	0	—	0° nearly all day.
18	30°072	29°976	61°7	59°9	49°3	62°2	399	499	73	97	SW 6-7	SW 6	9	10	240	Fine till night, then 0°.
19	29°728	853	61°1	49°2	48°9	62°0	532	281	98	80	SW 7	W 2	10	0	425	W ² a. shower for a short time, [1.35p. The hailstones were very large, white, and irregularly shaped.
20	975	29°897	53°9	55°0	44°5	60°2	289	365	69	85	W 4	SW 3	0	9	735	Fine till night, then 0° with bar. Fine but peculiar day. [falling fast.
21	29°872	30°076	51°6	47°7	47°4	59°2	319	269	83	88	N 2	N 3	0	0	010	
22	30°206	30°176	53°4	51°1	42°6	59°2	353	282	62	75	NNE 0-1	NE 0-1	0	3	—	
23	30°016	29°663	56°7	57°4	47°0	59°0	339	333	73	70	SSW 4	S 5	10	10	065	
24	504	501	51°1	49°8	49°4	60°0	300	305	80	86	Calm 0	NNE 2	9	0	—	
25	635	794	52°9	51°8	43°1	58°5	393	326	76	85	NNW 1	NW 0-1	0	10	—	D ² 9a. Fine.
26	781	29°720	57°9	58°5	46°5	58°7	324	471	67	96	SSW-SW 3	WSW 3	10	10	205	D ² 9a. 0° began about 1p. and con. [tinned till night. Rather severe
27	29°970	30°083	52°0	49°8	44°5	59°4	301	282	78	80	N 1	N 0-1	2	0	—	Fine. [squall of W ² and 0° 10° 55p.
28	30°143	135	55°7	56°9	45°1	62°6	333	437	75	94	W 4	W 3	1	0	—	D ² 9p.
29	147	30°099	59°6	58°7	56°0	64°2	447	468	88	95	W 2	Calm 0	1	9	—	Fine 0° in W. S. 45p.
30	30°065	29°965	58°0	55°7	53°6	64°4	451	426	93	95	NE 1	Calm 0	5	0	010	W ² n. D ² 9a. D ² 9p.
30	29°737	29°791	60°1	51°7	51°4	62°0	373	308	72	80	W 5-6	WSW 1	1	0	—	Fine but windy.
Means	30°015	30°013	59°2	56°1	51°2	64°2	394	396	76°9	86°5	2°7	1°9	4°1	3°9	1°985	

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. $3^{\circ} 59'$ W. Lat. $50^{\circ} 33'$ N.

SEPTEMBER 1878.

1	30°096	30°254	54°3	50°3	50°3	57°4	°340	°317	80	88	NW	6	Calm	0	6	10	—
2	°304	°304	54°9	50°3	45°2	58°4	°357	°407	84	100	W	3	S	1	10	0	—
3	°244	°210	58°5	51°9	49°9	64°4	°365	°360	75	93	W	1	Calm	0	1	0	—
4	30°108	°030	56°8	56°3	48°9	61°1	°446	°412	96	90	E	5	E	2	10	10	°010
5	29°984	°073	60°9	55°3	55°0	70°0	°496	°422	94	97	E	1	NW	1	6	1	—
6	30°118	°105	59°7	56°0	54°3	62°0	°453	°419	89	93	NW	5	Calm	0	5	6	—
7	°144	°095	58°3	56°3	53°5	59°6	°443	°424	90	93	Calm	0	Calm	0	10	10	°210
8	°062	°092	60°2	54°5	48°4	65°7	°393	°413	75	98	E	1	NW	3	0	10	—
9	°098	°150	56°6	57°3	53°0	69°3	°406	°470	88	100	W	4	Calm	0	9	10	°110
10	°225	°268	58°9	53°5	52°3	66°0	°447	°386	91	96	E	1	Calm	0	8	0	—
11	°242	°249	61°2	53°0	48°1	64°9	°388	°382	73	95	Calm	0	Calm	0	3	0	°030
12	°173	°242	56°3	47°9	41°5	59°6	°454	°258	100	78	W	3	NW	4	10	6	°050
13	°204	°124	52°3	48°4	43°4	58°7	°313	°315	80	93	NW	2	NW	2	7	0	—
14	30°071	30°034	52°5	52°3	46°5	57°0	°352	°367	89	94	W	3	SW	1	10	9	—
15	29°847	29°652	54°4	52°9	49°5	57°4	°366	°373	87	93	WSW	5	WNW	7	10	10	°440 with squalls p. (force 9 at 6p.).
16	29°914	30°148	52°3	47°6	44°9	55°3	°271	°301	69	92	NW	8	NW	4	6	3	°010 Squally ga.
17	30°104	29°949	53°3	55°9	47°1	56°7	°407	°447	100	100	W	5	SW	5	10	10	°130 ~~~~ p.
18	29°761	°936	52°7	45°4	45°0	55°9	°393	°279	99	93	W	5	NW	3	10	4	°100 ~~~~
19	°994	29°831	49°9	49°7	41°8	54°4	°355	°357	86	100	NW	6	S	5	6	10	°270 ~~~~ op.
20	29°946	30°184	49°2	43°7	41°1	55°3	°304	°260	88	91	NW	4	Calm	0	5	0	°070 ~~~~ p.
21	30°193	30°129	51°3	44°9	40°0	55°4	°311	°246	82	83	W	2	Calm	0	9	4	—
22	29°842	29°603	51°2	45°6	44°0	51°4	°333	°272	89	90	S	6	NW	3	10	5	1°550 S'y gave way at noon to dead
23	°525	°557	48°4	43°6	41°0	50°4	°274	°274	81	97	NW	4	NW	2	6	4	°250 a. [calm, when Ⓢ ² fell, 1°20 ins.
24	°648	°836	49°3	45°5	41°4	56°4	°303	°278	87	93	NW	1	NW	2	6	0	°290 by ap. Wind shifted to NW. 6p.
25	29°706	29°788	52°5	48°4	45°5	55°2	°396	°317	100	94	SW	3	Calm	0	10	4	°220 ~~~~a, and p.
26	30°008	30°118	49°3	47°4	38°8	53°4	°251	°262	71	81	NW	1	Calm	0	1	10	—
27	°149	°160	50°5	53°5	45°8	54°4	°318	°415	87	100	W	4	S	1	10	10	°120 ~~~~ op. and before.
28	°158	30°095	52°1	54°3	52°1	60°2	°317	°422	81	100	W	3	Calm	0	10	10	°010 ~~~~ ga, and p.
29	30°043	29°875	51°5	53°5	49°5	60°0	°375	°404	99	99	E	1	E	4	10	0	—
30	29°852	29°936	53°2	53°3	47°0	55°4	°328	°396	81	97	NW	6	Calm	0	9	10	°150
Means	30°025	30°036	54°1	51°1	46°8	58°7	°364	°355	86°4	93°7	5°3		1°7	7°4	5°9	5°210	

BABBACOMBE.

Height above Mean Sea Level, 293 feet. Long. $3^{\circ} 31' W.$ Lat. $50^{\circ} 29' N.$

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	58°0	53°0	53°0	67°3	in.	in.	°/°	°/°	NNW 3	NW 2	9	8	ins.	
2	30°116	30°268	58°0	53°0	53°0	67°3	°364	°338	76	84	NNW 3	NW 2	9	8	ins.	p.
3	°316	°308	59°2	55°8	49°4	65°8	°397	°413	70	92	WSW 1	WSW 3	10	1	—	before ga. and after 7p. [op.
4	°276	°203	65°4	57°2	52°0	68°7	°430	°413	69	88	SW 2	ESE 1	1	4	—	to ga. 0°245p.—3p. D° after
5	30°120	°022	61°8	62°1	57°1	63°8	°511	°482	93	86	ENE 2	E 3	10	10	°010	before ga. a. and p.
6	29°992	°063	62°5	61°1	61°0	67°8	°509	°514	90	95	ENE 2	WNW 1	10	2	—	a. and p. p. Wind E. 4p.
7	30°151	°176	66°3	57°9	52°6	70°8	°501	°453	78	94	W 2	WSW 1	2	0	—	p. a. and p. p. [SW. 5.15p.
8	°148	°097	64°8	59°2	52°9	67°0	°509	°477	84	95	SW 1	Calmo	0	10	—	p. a. and p. p.
9	°071	°086	66°4	58°1	54°0	71°8	°444	°431	69	88	N 1	NW 3	1	2	—	in WSW. 0.28a.—0.35a. p. n.
10	°102	°161	62°6	60°5	53°2	71°6	°409	°489	83	93	WSW 2	W 2	7	9	—	[and p.
11	°253	°270	59°7	56°8	56°2	67°4	°365	°406	72	87	E 3	W 1	10	8	—	Wind SE. at 2p., S. at 5p., and SW. at 7p.
12	°271	°241	63°3	55°0	48°9	68°8	°469	°393	80	91	ENE 1	WSW 1	1	0	—	p. a. and p. p.
13	°176	°231	62°8	52°9	52°1	68°8	°475	°312	83	78	W 3	NNW 5	9	6	—	n.
14	°205	°113	60°9	50°5	50°2	67°8	°321	°323	60	89	NNW 2	NW 2	1	0	—	p. p.
15	30°070	30°036	61°8	53°9	45°3	66°9	°393	°375	72	91	W 3	WSW 2	8	4	—	p. a. and p. U after 11.30p.
16	29°858	29°612	61°2	57°0	52°9	61°9	°433	°416	81	89	SW 5	WSW 6	8	2	°120	p. a. p. ep.—7p. Squally gp. White [Lunar 9.20p.—9.30p.
17	29°931	30°158	59°9	51°8	49°2	61°8	°438	°323	60	83	WNW 6	WSW 3	5	4	—	Squalls a. and p. p.
18	30°101	29°953	60°0	59°3	51°7	63°7	°443	°501	83	99	W 4	WSW 4	8	10	°500	p. a. Squalls p.
19	29°766	°937	58°7	48°9	48°9	61°0	°456	°289	93	84	WNW 1	W 3	10	1	°010	Squalls a. and p. ep. White 0
20	29°004	29°827	56°6	54°1	46°1	62°2	°318	°399	69	95	W 4	WSW 4	2	8	°070	p. 7p.—8p. [11.35p.—11.40p.
21	29°955	30°167	55°9	50°1	44°2	61°3	°336	°306	76	84	NW 2	NNW 3	5	0	°030	p. p.
22	29°820	30°129	52°4	47°9	43°2	59°8	°327	°294	83	89	Calmo	WSW 2	10	5	—	n. and p.
23	29°449	29°955	56°8	47°9	47°2	58°3	°340	°313	73	95	S 6	W 3	10	9	°760	p. n. and p., Squalls a. and p. S'y.
24	°529	°554	54°0	44°0	44°0	57°8	°324	°272	77	94	W 1	WSW 2	3	4	—	a. and p. [mid-day, followed
25	°667	°824	54°7	47°1	42°0	60°7	°303	°294	71	91	NNW 1	W 2	4	2	°080	p. a. and p. [by very 0.2. V
26	29°709	29°796	55°1	51°9	46°2	60°5	°428	°3	24	98	SW 3	NW 3	10	2	°030	p. a. and p. [in NE. 6.14p.
27	30°023	30°129	55°0	51°1	43°3	60°1	°311	°306	72	81	WNW 1	WSW 2	3	10	—	p. a. and p. Squalls p.
28	°154	°172	56°7	57°3	49°0	64°8	°366	°443	79	94	WSW 3	SW 2	10	1	—	p. [10.45p.—Midt.
29	°154	30°009	62°3	55°8	55°8	68°4	°489	°419	87	93	WSW 3	W 1	9	1	°010	a. 0° 5p.—5.30p. p. p. [mid-day, followed
30	29°046	29°870	56°9	58°7	52°0	61°1	°415	°459	90	94	ESE 2	ESE 2	10	9	—	E, S. and W. to 0.20a. p. a. and p. p.
30	29°847	29°953	59°0	53°0	52°0	63°8	°343	°364	69	90	W 5	WSW 2	3	10	°110	Squalls ga. p. p. [p. a.
Means	30°036	30°035	59°7	54°3	50°2	64°7	°403	°385	78°3	89°7	2°5	2°4	6°5	5°0	1°730	

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. $2^{\circ} 10' W.$ Lat. $49^{\circ} 11' N.$

SEPTEMBER 1878.

1	30°144	30°289	61°6	57°1	56°6	67°7	*366	86	85	NW	2	NW	1	10	1	—	Barometer rising briskly all day.	
2	*355	*368	60°3	56°2	55°1	65°4	*475	70	79	Calm	0	Calm	0	10	0	—	$\bar{D}^0 p.$	
3	*324	*206	68°0	61°8	54°3	70°3	*441	*482	64	87	SE	1	NE	3	1	4	—	Day extremely fine and calm. Bar. fall- [ing from noon. $\bigcirc^0 5p.-6p.$
4	*118	*028	63°9	64°4	59°8	68°0	*432	*512	73	85	E	4	E	1	9	9	*044	Gloomy. \approx in SE. 6.40p.—8p. $\bar{D}^0 p.$
5	*018	*103	63°4	62°0	61°5	70°3	*566	*531	97	96	SE	1	NW	1	10	2	*001	Very $\bar{D}^2 p.$ Very fine and calm evening.
6	*217	*237	64°9	60°1	59°6	71°1	*486	*481	79	92	NW	2	Calm	0	9	0	—	$\bar{D}^0 a.$ and $p.$ Dead calm at times.
7	*214	*134	62°0	61°5	57°0	68°9	*494	*495	89	91	E by S	1	NE	1	10	6	—	$\bar{D}^0 a.$ and $p.$ Extremely fine from 4p. [Sun very hot 0.50p.
8	*110	*128	66°4	58°5	57°0	72°2	*517	*459	80	94	NW	1	Calm	0	9	1	—	$\bar{D}^0 a.$ $\bar{D}^0 p.$ $\bar{D}^0 9p.$
9	*168	*233	66°1	61°2	57°8	71°0	*505	*474	80	88	NW	2	NW	1	6	8	*005	Very fine $\bar{D}^0 p.$
10	*203	*268	65°0	60°2	59°5	73°7	*537	*441	87	85	NW	1	NE	1	9	0	—	$\bar{D}^0 a.$ and $p.$ Day extremely fine. [Relative humidity at 0.40p. 57 %.
11	*291	*270	66°3	60°9	57°3	72°3	*443	*443	69	84	E	3	NE	2	0	0	—	Coloured $\bigcirc^0 8a.$ Fine. $\bar{D}^0 9p.$ and [at intervals.
12	*236	*213	67°9	60°4	58°9	72°8	*448	*415	65	79	N by E	3	NNE	2	1	2	—	$\bar{D}^0 a.$ and $p.$ Bar. fell and rose again [4a.—9a. Coloured $\bigcirc^0 2.15p.-3p.$
13	*226	*170	60°0	53°4	52°3	65°5	*347	*345	67	85	N	1	Calm	0	4	0	—	$\bar{D}^0 9a.-11a.$
14	*144	30°123	65°1	55°5	53°0	69°2	*365	*365	59	83	NW	2	Calm	0	5	0	—	with squalls all day, evening [calmer.
15	*015	29°810	64°2	63°0	54°6	69°0	*395	*484	65	84	SW	3	SW	5	4	10	*092	\bar{D}^0 in squalls.
16	*054	30°239	64°4	58°7	55°7	65°9	*357	*357	59	73	W	4	W	3	4	7	*003	Bar. falling. Wind rising, with squalls.
17	30°241	*124	65°3	61°6	57°0	68°1	*420	*432	68	79	SW	4	SW	4	5	10	*188	Bar. rising from 6a. \hookrightarrow 4.25p. Hot sun.
18	29°892	*032	61°4	55°8	54°5	62°1	*524	*321	97	72	SW	6	WNW	4	10	3	*668	\approx before 9a. $\bigcirc^0 10.50a.$
19	30°107	*010	60°8	58°9	53°3	64°6	*363	*368	69	75	SW	2	SW	5	8	9	*157	in squalls to 8p. then sudden calm.
20	29°992	*151	60°0	56°1	52°0	63°5	*317	*337	61	75	NW	2	N	2	3	4	*005	
21	30°258	30°199	60°4	54°5	51°0	67°0	*365	*302	69	71	Calm	0	Calm	0	6	3	—	
22	30°002	29°680	59°9	55°0	53°6	59°8	*326	*367	71	85	S	5	S	1	10	2	*303	
23	29°559	*603	56°1	50°3	49°8	64°3	*323	*369	72	85	NNE	1	NW	1	8	4	*600	
24	*670	*858	52°6	51°3	47°0	61°8	*361	*313	91	82	W	1	NE	1	9	0	*045	Cool.
25	29°849	29°822	57°0	59°9	49°0	60°1	*374	*499	80	97	WSW	3	SW	3	10	10	*136	
26	30°030	30°167	57°7	51°3	50°0	62°0	*340	*291	71	77	NE	2	NE	1	9	2	*002	Day very fine. $\bar{D}^0 p.$
27	*233	*250	61°1	58°0	50°7	67°0	*352	*433	66	89	NW	1	NW	1	4	10	—	Wind backed to SE. $\bar{D}^0 p.$
28	*224	30°148	60°3	56°0	55°5	66°2	*449	*405	86	90	SW	1	Calm	0	10	1	—	$\bar{D}^0 a.$ Day very fine. $\bigcirc^0 10.50a.$ Many [glowworms seen $p.$ $\bar{D}^2 p.$
29	30°067	29°939	63°4	61°4	54°3	67°0	*441	*497	76	92	SE	3	SE	1	2	2	—	
30	29°047	30°041	62°7	59°2	57°4	66°0	*372	*420	66	84	NW	4	WSW	3	2	10	*218	
Means	30°099	30°096	62°2	58°1	54°9	67°1	*417	*411	74°4	84°1	2°2		1°6	6°6	4°0	2°467		

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	55° 5'	50° 3'	50° 3'	60° 7'	in.	in.	°/°	°/°	NW	1	Calm	0	ins.	—	
2	30° 136	30° 201	55° 5'	50° 3'	50° 3'	60° 7'	378	344	86	95	SE	3	SW	2	8	3	⊕ 9p.
3	30° 085	*000	60° 0'	60° 1'	43° 3'	64° 8'	456	497	89	95	SE	3	SW	2	10	10	⊕ 9a.
4	29° 988	*100	64° 8'	57° 3'	57° 3'	70° 7'	510	442	84	94	SW	2	Calm	0	9	4	*144
5	30° 107	30° 035	59° 8'	50° 4'	52° 3'	70° 7'	491	464	96	93	Calm	0	S	1	10	10	—
6	30° 024	29° 984	55° 5'	54° 2'	53° 5'	65° 2'	443	403	96	96	S	2	Calm	0	10	2	*032
7	29° 074	30° 097	58° 6'	53° 7'	50° 1'	62° 3'	461	396	94	96	SSW	2	Calm	0	10	10	*204
8	30° 108	30° 100	58° 5'	59° 1'	51° 1'	64° 4'	453	476	93	95	S	1	SSE	1	10	9	*009
9	*062	29° 946	63° 2'	50° 3'	57° 4'	65° 8'	415	466	72	93	SW	1	SW	2	2	10	*106
10	*012	30° 191	59° 5'	46° 5'	46° 5'	62° 3'	354	298	70	95	NW	2	Calm	0	4	2	—
11	*210	*171	58° 7'	54° 6'	42° 5'	67° 4'	334	372	66	87	S	3	SW	1	10	3	—
12	*131	*115	60° 0'	56° 8'	53° 5'	68° 7'	472	397	92	86	S	3	S	1	10	10	⊕ 7p. ⊕ 9p.
13	*249	30° 268	57° 0'	49° 5'	48° 9'	60° 4'	306	297	66	84	NNW	3	WNW	1	6	3	⊕ 9p.
14	30° 124	29° 913	58° 0'	58° 5'	63° 6'	64° 4'	460	456	95	93	NNW	2	SSW	3	2	9	⊕ 9a.
15	29° 914	*704	60° 0'	58° 4'	54° 3'	63° 8'	432	464	84	95	SSW	1	SSW	3	10	10	⊕ 9a.
16	*109	*310	60° 2'	51° 1'	47° 8'	62° 2'	489	289	94	77	SSW	6	WNW	5	10	6	⊕ 2p.
17	*759	*888	52° 2'	53° 9'	49° 5'	57° 4'	256	361	66	87	WNW	4	SW	3	10	10	Evening obs. rather late.
18	*774	*581	59° 7'	55° 9'	53° 4'	64° 5'	487	400	95	90	SW	4	Calm	0	10	10	*098
19	*641	*717	51° 4'	46° 1'	44° 3'	56° 6'	286	271	76	87	WNW	4	WNW	3	6	3	⊕ 11a. ☾ p.
20	29° 766	29° 783	53° 6'	49° 3'	44° 0'	56° 0'	256	304	62	87	WNW	3	NW	3	7	4	*296
21	30° 102	30° 192	49° 6'	45° 4'	45° 4'	56° 2'	298	271	84	90	N	1	Calm	0	5	10	Double ☾.
22	30° 092	29° 698	52° 1'	52° 2'	44° 3'	57° 2'	314	350	80	90	S	2	SE	5	10	10	⊕ 9a.
23	29° 606	*558	50° 3'	44° 9'	44° 6'	54° 8'	334	272	92	92	SW	1	Calm	0	10	4	*220
24	*511	*566	48° 5'	49° 1'	39° 3'	55° 4'	309	302	91	86	SSW	1	NW	1	10	3	*710
25	*755	*602	56° 1'	52° 7'	41° 1'	58° 1'	377	381	83	96	Calm	0	W	2	10	10	⊕ 9a.
26	*683	*834	53° 1'	45° 4'	44° 8'	56° 9'	291	278	72	92	NW	3	NW	1	6	3	*042
27	*899	29° 946	51° 6'	50° 1'	43° 7'	57° 9'	320	333	85	92	NW	2	Calm	0	8	10	*068
28	29° 997	30° 014	58° 7'	57° 0'	49° 9'	63° 4'	446	446	87	96	W	1	Calm	0	9	10	*150
29	30° 030	30° 016	59° 8'	57° 6'	57° 0'	65° 1'	469	457	91	96	SW	3	SSW	2	10	10	*029
30	29° 952	29° 749	56° 5'	55° 2'	54° 7'	62° 4'	430	381	94	88	S	2	SSE	2	10	10	*162
30	29° 757	29° 911	54° 2'	53° 6'	49° 2'	59° 4'	361	347	86	84	W	1	Calm	0	8	9	*036
Means	29° 913	29° 906	56° 6'	53° 2'	48° 5'	61° 9'	388	374	84° 0	90° 9	2° 1	1° 4	8° 3	7° 2	4° 178		

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

SEPTEMBER 1878.

1	30° 122	30° 227	57° 2	56° 2	54° 2	60° 9	*385	76	85	WNW 3	NW 1	8	10	—		
2	*197	*121	58° 7	61° 1	51° 0	67° 5	*384	77	81	SW 4	SW 3	3	7	—	Very fine and warm.	
3	*133	*143	63° 1	61° 8	59° 8	67° 3	*476	82	83	SW 5	SW 3	8	8	—	with squalls a.	
4	*143	*095	62° 6	58° 5	58° 5	67° 3	*482	83	89	Calm 0	SE 1	8	3	—	with squalls a. Very bright and summer-like	
5	*036	*012	61° 2	58° 8	54° 7	65° 8	*455	91	93	E 1	Calm 0	9	0	—	a. ∞ D ² p. [in day.	
6	*045	*106	63° 3	60° 8	55° 6	67° 6	*464	97	90	S 1	SW 2	6	10	*010	∞ a. Sultry during day.	
7	*137	*119	60° 3	59° 8	57° 8	62° 2	*487	98	93	E by S 2	E 1	10	10	*032		
8	30° 087	*033	62° 0	57° 7	56° 2	67° 6	*484	95	83	WSW 2	W by S 1	6	8	—	D ² early a. with squalls a.	
9	29° 976	*200	63° 0	54° 1	54° 0	65° 2	*471	82	80	WSW 5	WNW 2	8	5	—	with squalls a.	
10	30° 253	*226	55° 1	57° 9	48° 2	66° 4	*341	90	85	S 1	S 1	4	0	—	Beautifully fine.	
11	*208	*189	60° 7	60° 9	53° 3	67° 7	*417	94	93	SSW 3	WSW 1	2	9	*053		
12	*227	30° 283	56° 3	52° 5	52° 4	62° 3	*344	71	81	NNW 3	NW 2	2	3	—	Very bright and fine during day.	
13	30° 190	29° 999	55° 4	58° 2	48° 1	62° 7	*322	85	73	W 3	WSW 3	0	8	—		
14	29° 940	*835	60° 9	61° 2	57° 9	63° 4	*446	84	82	W 4	SW 4	9	8	*020	with squalls a. and a. [5p. C ² p.	
15	*390	*399	62° 2	49° 6	49° 0	65° 3	*427	71	71	SSW 8	WNW 8	10	0	*108	with squalls a. and p. Violent squalls	
16	*777	*979	53° 2	53° 9	49° 2	60° 0	*269	334	67	0	WNW 7	W 5	6	4	*033	with squalls a. and p. Moderating [towards evening.
17	*847	*651	61° 0	62° 2	53° 6	66° 1	*496	465	93	83	WSW 5	WSW 6	8	10	*139	with squalls a. and p. Very warm [evening.
18	*685	*762	52° 4	47° 4	46° 0	62° 9	*299	256	76	79	W by N 4	WNW 5	2	0	*028	a. and p. Squalls p. Very cold and [dry.
19	29° 824	29° 784	51° 0	46° 5	45° 9	57° 6	*281	257	75	82	WNW 4	W 4	1	0	*146	with squalls a. and p.
20	30° 052	30° 196	51° 9	48° 8	45° 0	55° 6	*291	300	76	86	NNW 4	NW 1	6	1	—	Cold and dry.
21	30° 179	29° 920	50° 0	54° 2	40° 0	57° 0	*293	335	82	80	WSW 1	SSE 2	6	10	*111	early a.
22	29° 660	*559	49° 4	48° 0	47° 3	56° 4	*322	307	91	92	W 2	WSW 1	10	6	*135	
23	*530	*491	46° 8	50° 8	41° 3	53° 5	*279	351	88	94	WNW 3	N 2	3	10	*074	
24	*727	*722	48° 6	51° 8	42° 4	57° 7	*320	351	94	91	W 2	W 1	10	10	*293	
25	*519	29° 833	56° 1	47° 9	47° 0	58° 4	*424	269	93	81	NW 3	NW 3	9	0	—	7.30a. Temp. 58° 4 early a.
26	29° 948	30° 008	50° 4	52° 1	42° 3	57° 5	*280	334	80	85	W by N 2	W 2	6	7	*049	
27	30° 008	*082	58° 6	58° 5	51° 2	63° 5	*470	459	96	94	W 2	W 2	9	10	—	
28	*063	30° 064	60° 4	59° 3	57° 6	64° 7	*453	480	97	95	W 3	SW 2	9	10	*054	Very mild a. and a.
29	30° 001	29° 816	57° 0	57° 2	55° 4	64° 2	*434	420	93	90	Calm 0	SSE 2	9	7	*479	with squalls a. Warm and fine during day.
30	29° 751	29° 910	54° 1	52° 8	50° 2	61° 3	*359	350	85	87	swb.w4	WNW 3	7	2	—	K ● ² 2a. Wind veered early morn. [Bar. 29° 700 at 7.30a.
Means	29° 955	29° 959	56° 8	55° 4	50° 8	62° 5	*389	*382	83° 1	85° 6	3° 0	2° 5	6° 5	5° 9	1° 084	

BIRR CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. $7^{\circ} 55' W.$ Lat. $53^{\circ} 6' N.$

SEPTEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.	
1	30°159	30°247	57°1	55°6	53°5	63°2	350	422	75	94	NW 0°5	ESE 0°5	9	5	—	
2	148	096	60°5	61°7	50°0	68°2	462	483	88	88	S 0°5	E 3	8	10	0°26	
3	118	134	62°2	60°2	59°9	62°2	524	502	94	97	S 0°5	SSE 0°5	10	10	0°53	
4	112	003	62°0	55°7	55°7	70°3	484	420	87	94	SSE 0°5	Cal'm 0	9	1	0°03	
5	021	006	61°2	61°2	55°7	71°1	490	487	91	91	Cal'm 0	Cal'm 0	3	5	—	
6	024	109	61°2	62°5	59°0	68°6	493	396	92	71	WSW 3	Cal'm 0	10	10	—	9p.
7	105	104	60°8	58°2	58°2	70°6	513	460	96	95	Cal'm 0	Cal'm 0	10	4	0°40	
8	095	032	61°1	59°2	59°2	66°5	469	458	87	92	Cal'm 0	SSE 0°5	5	10	0°36	
9	024	218	59°3	51°1	51°1	67°3	479	345	95	91	NNW 3	Cal'm 0	10	5	—	
10	235	205	61°2	59°7	51°1	69°6	337	451	62	89	ESE 0°5	Cal'm 0	2	3	—	
11	195	178	61°3	58°5	49°5	69°8	475	438	88	90	SSE 1	Cal'm 0	9	9	1°32	
12	268	30°312	58°2	50°1	50°1	63°5	342	318	71	88	NW 3	Cal'm 0	7	1	—	
13	30°196	29°998	55°9	57°7	43°5	61°3	359	394	80	83	W 2	SSW 3	8	10	0°01	
14	29°955	808	59°7	59°5	57°7	62°8	487	439	95	87	W 1	E 3	10	9	1°33	
15	336	29°461	60°7	50°3	50°3	62°7	462	281	88	77	SSW 6	WSW 4	10	2	3°73	
16	866	30°005	54°9	55°3	49°0	59°7	240	354	56	81	WNW 6	SSW 3	1	10	0°06	
17	884	29°662	60°0	59°9	54°3	60°1	475	489	92	96	W 4	SSW 4	10	10	1°92	
18	724	828	51°0	43°9	43°9	60°6	304	239	81	83	W 2	SSW 3	2	1	0°70	p.
19	29°851	29°846	53°6	44°7	43°9	57°1	294	261	72	88	WSW 1	W 0°5	5	1	1°39	
20	30°120	30°227	59°3	41°8	41°8	59°3	479	254	95	96	NW 2	Cal'm 0	2	0	—	
21	30°150	29°831	50°0	54°5	55°8	58°8	302	379	84	89	SSE 2	ESE 0°5	9	10	7°62	
22	29°642	573	47°7	46°8	46°5	57°3	321	306	97	95	Cal'm 0	Cal'm 0	10	9	1°12	
23	573	528	48°5	46°4	42°2	53°7	309	306	91	97	WNW 0°5	Cal'm 0	10	9	1°32	
24	770	690	51°3	51°7	42°0	59°4	332	376	88	98	NW 0°5	SSW 2	8	10	2°30	
25	576	881	53°2	43°4	43°3	58°3	368	262	90	93	NNW 2	Cal'm 0	10	0	—	
26	29°905	29°998	50°9	51°0	40°5	57°7	324	341	87	91	SSW 1	Cal'm 0	8	5	0°29	
27	30°036	30°071	59°1	58°9	50°5	65°2	438	488	88	99	SW 3	Cal'm 0	10	10	0°30	
28	30°071	30°039	59°7	57°5	57°5	65°6	487	449	95	95	SW 0°5	Cal'm 0	10	10	—	
29	29°985	29°765	58°7	55°6	55°6	64°7	438	422	89	95	SW 3	Cal'm 0	7	10	5°60	
30	29°811	29°934	52°9	47°8	47°8	62°6	343	333	86	100	WSW 3	Cal'm 0	2	0	0°13	
Means	29°967	29°962	57°1	54°0	49°9	63°3	406	385	86°0	90°8	1°7	0°9	7°5	6°3	3°126	

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.

OCTOBER 1878.

1	30°055	30°228	45°2	42°6	32°0	54°0	*220	*219	73	81	NE	4	NNW	1	0	0	—	Sudden recovery of temperature.
2	30°275	*103	38°9	48°0	30°3	53°1	*202	*297	86	90	Calm	0	SW	1	2	8	—	
3	29°992	*024	53°2	54°2	47°5	63°7	*315	*380	78	91	W	2	SW	2	5	10	*390	
4	30°135	30°065	46°0	48°2	45°5	56°4	*311	*332	100	99	ESE	2	?	1	10	10	*248	
5	30°042	29°022	51°1	54°2	42°4	55°5	*375	*421	100	100	E	1	Calm	0	10	10	*080	
6	29°679	*550	55°0	55°0	47°2	61°0	*421	*400	97	92	E	1	SE	1	4	9	*077	
7	*400	*341	55°5	52°9	50°8	60°0	*426	*375	97	94	S	1	E	1	8	10	*230	
8	*100	*046	54°7	53°0	51°7	61°0	*358	*395	84	95	SE	3	SW	4	10	10	*335	
9	29°272	29°067	52°7	53°0	51°0	55°5	*326	*361	82	90	SW	2	S	3	8	8	*660	
10	28°889	28°997	52°2	53°5	50°3	56°0	*372	*334	96	81	ESE	3	W	3	10	10	*025	
11	29°415	29°864	51°3	43°8	41°9	55°2	*302	*246	80	86	WSW	4	WSW	2	8	2	—	
12	30°084	30°111	50°1	46°2	40°4	55°8	*285	*272	79	88	WSW	2	W	2	7	7	—	
13	*036	29°988	52°9	53°2	45°5	56°0	*338	*313	85	77	SW	3	SW	1	10	10	—	
14	*039	30°038	50°1	46°1	44°8	57°0	*279	*275	77	89	ENE	1	SE	2	8	6	—	
15	*111	30°140	47°1	49°0	36°0	54°5	*290	*335	90	97	NE	1	SE	2	4	10	—	
16	30°073	29°963	48°1	49°5	40°5	51°0	*326	*341	97	97	E	1	E	1	10	—	dp ² n. in past night.	
17	29°882	*909	52°1	52°2	48°5	56°2	*344	*361	88	93	WSW	2	SW	1	10	10	—	
18	*947	*943	49°1	48°1	42°0	56°0	*321	*334	92	99	E	1	Calm	0	3	9	—	
19	*874	*848	50°0	50°0	47°7	53°1	*334	*348	93	97	E	1	Calm	0	10	10	—	
20	*766	29°474	48°2	51°0	47°0	51°0	*327	*374	98	100	Calm	0	Calm	0	10	10	*565	
21	29°154	28°802	48°3	47°3	40°5	53°0	*326	*339	97	92	SW	4	SW	7	8	10	—	
22	28°853	29°024	40°4	39°2	34°5	47°7	*234	*216	94	90	SW	4	WSW	4	10	3	*320	
23	29°062	29°037	41°8	44°0	36°5	44°0	*251	*265	96	92	WSW	3	W	6	10	6	*968	
24	*062	28°985	43°0	35°7	33°3	45°0	*255	*198	92	95	WSW	3	W	2	4	2	—	
25	*004	28°969	40°3	39°5	33°0	48°0	*221	*232	89	96	WNW	1	Calm	0	4	10	—	
26	*129	29°303	41°1	41°9	35°5	48°0	*200	*217	77	83	NE	2	SW	1	9	1	—	
27	*514	*607	45°9	36°0	34°5	50°5	*119	*182	72	86	NNW	5	W	2	3	0	*036	
28	*385	*653	39°6	41°1	33°2	45°0	*279	*194	73	75	NW	4	NW	3	1	2	—	
29	*768	*687	35°0	35°0	31°1	41°4	*150	*144	73	70	NW	4	NW	4	7	2	*113	
30	*634	29°874	36°2	41°6	34°4	44°2	*205	*195	85	75	N	5	NW	5	10	6	*214	
31	29°976	30°013	37°1	37°9	34°5	43°0	*162	*176	73	77	NW	4	NW	3	8	0	—	
Means	29°632	29°631	46°9	46°4	40°8	52°6	*286	*289	86°9	89°3			2°4	2°1	7°1	6°8	4°696	

● n. and all day.

dp² n. in past night.

dp² n. in evening.

● n. and all day. Rough and squally in evening.

Day squally with ●² showers.

dp² op.

[There n. ² NW (gale) 5.30p.-6p. on neighbouring hills and probably a. ² shower 0.30p.

Squalls a. and p.

DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.		
1	ins.	ins.	47.2	39.0	38.0	60.8	ins.	ins.	80	90	NNW 0.5	N 0.8	8	0	ins.	
2	30.059	30.223	47.2	39.0	38.0	60.8	258	212	80	90	S 0.4	SSW 0.8	2	10	0.022	1 p.
3	30.288	30.204	49.9	47.7	33.3	55.5	284	304	80	92	WSW 1.3	S 0.8	8	10	0.029	a.
4	30.085	30.049	54.2	54.0	46.4	62.3	364	394	86	94	SSW 0.5	S 0.7	1	10	0.004	
5	30.034	29.907	60.2	58.6	52.6	67.7	492	442	95	90	SE 0.7	SW 1.4	8	10	—	1 p.
6	29.707	29.555	59.4	60.2	53.9	63.1	398	499	79	96	S 3.0	S 3.0	6	10	0.157	2 p.
7	29.431	29.261	59.7	58.2	56.6	64.4	449	385	88	79	S 1.4	S 2.4	10	9	—	with squalls a.
8	29.171	29.063	58.9	56.6	54.2	63.2	401	365	81	79	S 3.6	SSW 4.3	9	10	0.160	with squalls all day.
9	29.370	29.143	55.3	53.3	52.2	57.5	367	370	84	92	S 4.2	S 3.6	7	0	0.461	with squalls a.
10	28.924	28.759	57.1	53.8	52.7	60.0	382	369	82	88	SSE 3.4	WSW 3.0	10	10	0.126	
11	29.607	29.938	51.8	47.1	45.7	56.4	292	270	76	84	W 2.4	W 1.4	8	1	—	
12	30.165	30.197	55.4	46.0	45.3	60.9	306	272	70	88	WNW 0.8	SE 0.5	4	8	—	
13	29.149	29.092	54.4	48.3	42.5	57.9	317	299	74	89	SSW 2.5	SSW 3.3	4	4	—	1 p.
14	29.137	29.111	47.0	46.0	41.7	58.4	301	287	94	93	S 2.0	SSE 0.5	9	0	—	
15	29.097	29.099	52.7	50.9	44.5	57.3	351	357	88	96	SE 0.2	E 0.4	10	10	0.013	
16	30.083	30.015	52.1	51.3	49.5	55.1	379	370	97	98	SE 0.5	S 0.8	10	10	—	1 p.
17	29.968	29.956	51.4	48.1	47.6	58.8	353	331	93	98	S 0.7	S 0.1	10	4	0.013	1 p.
18	29.952	29.892	51.6	51.3	42.5	58.0	366	342	96	90	SSE 0.5	E 1.0	10	10	—	1 p.
19	29.850	29.837	54.0	50.2	49.9	57.1	355	337	85	93	SE 0.7	SE 0.6	10	10	—	1 p.
20	29.784	29.558	51.4	51.4	49.3	52.0	356	374	94	98	SSE 0.7	S 2.7	10	10	0.005	
21	29.227	29.941	53.9	46.2	45.9	54.9	354	265	85	86	S 3.1	SW 1.5	10	3	0.310	
22	28.998	29.166	46.1	41.7	36.8	53.1	251	225	81	86	S 3.3	SW 1.1	3	6	0.020	1 p.
23	29.227	29.292	46.8	44.3	37.4	51.4	255	227	80	77	SW 1.8	SSW 1.1	9	4	—	
24	29.182	29.070	44.7	44.1	40.2	48.7	271	247	91	85	S 0.9	WSW 1.3	10	9	0.010	
25	29.026	29.037	46.4	40.8	39.3	53.4	248	234	79	92	SW 1.0	SSW 1.3	4	10	0.042	
26	29.073	29.231	39.3	40.0	31.9	47.9	229	226	96	92	N 0.4	WNW 1.4	1	7	0.022	1 a.
27	29.456	29.620	47.4	37.8	36.7	50.3	270	202	83	89	NNW 2.8	NW 0.4	2	0	0.030	
28	29.459	29.538	43.4	40.6	35.9	46.3	211	211	75	84	WSW 5.2	NW 4.2	6	7	0.021	with squalls p.
29	29.720	29.699	40.3	31.3	29.4	43.0	182	117	72	66	NW 1.8	WNW 2.0	9	1	0.021	with squalls a.
30	29.777	29.723	39.0	38.7	31.0	46.0	220	218	93	92	NW 2.8	NW 0.9	10	9	0.410	with squalls a.
31	29.879	29.968	41.3	35.4	35.1	43.3	229	175	88	84	NNW 3.5	NW 2.1	10	1	0.043	
Means	29.669	29.673	50.7	47.3	43.0	55.9	319	300	84.7	88.8	1.8	1.6	7.4	6.5	1.928	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

OCTOBER 1878.

	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	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	30.009	30.207	48.0	38.8	38.8	57.4	327	222	98	95	E 4	NW 1	10	1	0.110	1 p.	
2	29.444	29.147	50.4	55.8	37.2	55.8	298	425	82	95	SE 4	SW 3	8	10	0.118	ga.	
3	29.094	29.098	58.1	56.0	55.1	60.9	451	428	93	95	Calm 0	Calm 0	8	10	—	ga.	
4	30.027	30.018	55.5	57.6	49.6	57.9	415	475	94	100	SE 2	SSW 1	10	10	0.496		
5	29.992	29.843	59.9	61.5	56.7	61.7	499	466	97	86	E 2	ESE 3	0	4	0.005	ga.	
6	29.630	29.515	57.5	58.4	56.8	61.5	446	461	94	95	ESE 3	SE 3.4	10	9	0.080		
7	29.352	29.088	59.9	57.9	55.9	60.7	436	444	85	93	SSE 4	ESE 6	4	10	0.105	rising to force 8, at night.	
8	29.262	29.262	58.4	56.2	49.5	60.5	410	408	84	90	SSW 6.7	WSW 6.7	3	9	0.145	a. and p. Squally p.	
9	29.226	29.098	56.7	56.8	51.4	57.4	436	400	95	86	SSE 6	SSE 7	10	10	0.550	a. and p. Squally p.	
10	28.777	29.312	55.4	53.8	45.5	59.4	396	330	91	79	WSW 5	W 7	10	8	0.118	(force 7-8) 2p.-9p.	
11	29.713	30.003	50.5	50.5	48.3	54.7	256	290	70	79	W 7	W 4	3	6	—	a. p.	
12	30.184	30.149	53.2	53.9	42.8	56.2	302	321	74	77	W 4	SW 5	2	7	—	1 p.	
13	30.114	30.014	55.3	54.5	52.4	57.3	372	320	85	76	S 4	S 6.7	10	7	—	1 p.	
14	29.998	29.946	55.0	54.0	52.0	56.8	325	303	75	73	SE 5	SE 6	6	7	—		
15	30.017	30.051	53.1	54.1	50.1	55.5	329	359	81	85	SE 6	ESE 4	6	10	—		
16	30.041	29.985	54.4	54.2	53.1	55.9	387	388	92	93	SE 1	S 2	10	8	—		
17	29.942	29.899	56.0	53.3	46.2	59.7	386	390	86	96	SSW 3	Calm 0	8	6	—	1 p.	
18	29.879	29.786	52.2	53.7	51.1	59.6	353	312	91	75	ESE 6	ESE 6.7	8	8	—	1 p.	
19	29.746	29.763	54.2	54.8	52.1	54.8	335	378	80	88	ESE 5	SE 5	10	10	0.146	ga.	
20	29.734	29.505	54.8	55.9	53.0	57.2	412	426	96	95	SSE 3	SSW 3.5	10	10	0.317	ga.	
21	29.240	29.961	50.5	46.5	46.5	55.9	342	236	93	75	SW 6	W 6	10	8	1.168	9.20a.-5p. Bar. 28.951 at 3p.	
22	29.012	29.172	48.1	44.4	43.5	52.0	264	217	79	74	W 5	W 5	8	3	—		
23	29.266	29.354	48.3	47.5	43.6	50.9	245	242	72	74	WSW 6	WSW 5.6	7	2	0.001		
24	29.195	29.112	46.7	46.0	45.4	50.8	259	285	82	92	WSW 2	W 2	8	5	0.065		
25	29.082	29.003	48.7	44.9	42.9	50.3	279	247	81	84	WNW 3	W 2	4	5	0.150		
26	29.040	29.283	44.9	45.7	33.2	51.4	256	243	87	80	Calm 0	Calm 0	2	7	—	1 a. Weather fine but threatening.	
27	29.515	29.683	48.1	46.8	35.8	53.6	284	279	85	88	N 2	NW 3	5	6	0.126		
28	29.645	29.704	41.8	47.1	40.0	50.1	234	228	88	71	WNW 6	NNW 8.9	6	4	0.883	2 p.-3.15p. at 7p.	
29	29.809	29.814	38.4	38.3	35.9	47.1	220	177	95	76	WNW 4	NNW 7	10	3	0.229	2 a. 2.45p.-3p. at 7p.	
30	29.685	29.862	45.1	44.4	37.6	49.0	261	242	87	83	NNW 7	N 5	9	8	0.255	2 a. 2.45p.-3p. at 7p.	
31	29.981	29.993	42.0	35.4	34.8	44.4	221	190	84	92	N 3	Calm 0	8	1	—	2 a. 2.45p.-3p. at 7p.	
Means	29.652	29.662	51.6	50.9	46.3	55.4	337	327	86.3	85.2	4.0	4.0	7.2	6.8	5.157		

WAKEFIELD.

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

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	44°	37°	35°	47°	ins.	ins.	%	%	NE 2	N 2	10	4	ins.	Ground \approx 6p. \approx before ga.
2	30°066	30°233	44°	37°	35°	47°	267	199	92	92	SE 1	SSW 1	0	9	0°20	
3	°138	°141	57°	54°	45°	64°	377	394	80	92	SSW 1	Calm 0	8	8	—	
4	°113	30°116	52°	57°	44°	61°	361	430	93	91	Calm 0	Calm 0	7	10	0°60	
5	30°084	29°964	59°	61°	56°	67°	469	489	91	91	Calm 0	SSE 1	5	10	—	Close and heavy.
6	29°752	°657	55°	61°	53°	67°	391	522	89	96	SE 1	SE 2	9	10	°120	
7	°481	°358	59°	59°	57°	66°	451	394	88	79	Calm 0	SSE 4	10	10	°040	Close and heavy.
8	°253	°062	58°	58°	51°	63°	406	338	82	70	S 4	SSW 3	9	3	—	
9	°461	°253	56°	57°	51°	61°	357	379	77	81	SSE 2	SSE 6	9	8	°090	Wild and rough night with \searrow .
10	°014	29°307	58°	55°	48°	61°	383	345	79	78	SSE 5	WSW 2	10	10	°250	
11	29°705	30°010	50°	48°	46°	55°	289	254	78	75	WSW 4	NW 1	10	3	°020	Rough during past night.
12	30°219	°220	53°	44°	43°	59°	323	269	80	91	W 1	WSW 1	5	5	—	rather brilliant, gp.
13	°234	°222	49°	50°	39°	60°	286	265	82	73	SW 2	SE 1	8	7	—	
14	°177	°106	45°	48°	41°	60°	286	284	95	85	ENE 1	E 1	6	0	—	∞ 7.30a., cleared off ga.; air cooler
15	°079	°091	50°	52°	37°	55°	340	353	94	91	E 1	SE 1	10	10	°010	
16	°100	30°052	52°	53°	50°	54°	367	373	94	92	S 1	Calm 0	10	10	—	
17	30°001	29°976	49°	44°	43°	61°	333	288	96	97	Calm 0	S 3	10	10	—	\approx before ga. ∞ 9a. \approx ga. and p.
18	29°955	°869	49°	55°	38°	57°	345	324	99	74	E 1	NE 1	10	10	—	
19	°837	°838	54°	53°	48°	57°	370	366	86	88	E 2	E 1	9	10	—	
20	°828	°646	52°	53°	51°	55°	360	374	92	93	Calm 0	S 3	10	4	°030	
21	°368	°029	55°	66°	43°	68°	339	295	77	85	S 3	S 3	3	10	°340	Air dry and sharp.
22	°088	°211	48°	45°	42°	54°	241	246	72	82	SSW 3	WSW 3	1	4	°210	
23	°342	°413	45°	47°	42°	52°	242	231	81	72	W 4	SW 4	2	8	°010	
24	°228	°164	47°	45°	43°	47°	285	231	89	77	SSE 2	S 3	10	9	°450	
25	°116	°095	46°	45°	43°	50°	263	249	84	82	SW 3	SW 4	6	10	°050	
26	°041	°210	39°	37°	33°	47°	244	213	99	94	WSW 1	W 2	10	3	—	\approx before ga.
27	°425	°675	45°	40°	36°	49°	231	225	77	91	W 2	WNW 2	5	2	°070	
28	°607	°286	41°	40°	38°	46°	231	208	89	82	WNW 4	W 2	8	3	°180	Very rough and stormy during the night. Long horizontal roll tinged with red [from S to ENE 7a. \searrow p.
29	°765	°764	40°	32°	32°	44°	177	149	70	82	W 3	WNW 1	8	4	—	
30	°612	°765	40°	37°	31°	45°	193	182	75	82	WNW 1	W 1	1	7	°040	
31	29°900	29°934	41°	35°	34°	44°	229	183	87	89	NW 3	NNW 2	10	2	—	
Means	29°719	29°726	49°	48°	43°	56°	312	301	86°	85°	1°	2°	7°	6°	2°200	

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	55.6	45.6	45.6	60.6	ins.	ins.	88	90	W 1	NE 1	10	0	ins.	☁ in afternoon.
2	30.007	30.204	55.6	45.6	45.6	60.6	389	273	88	90	SW 2	W 1	10	0	—	☁ Very fine and sunny. ☁ p.
3	30.139	30.105	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	W 1	6	5	—	☁ Very fine and sunny. ☁ p.
4	30.054	30.054	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	SW 1	10	10	—	☁ Very fine and sunny. ☁ p.
5	30.001	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and warm, but dull.
6	29.660	29.541	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	SW 1	10	9	—	☁ Very fine and sunny. ☁ p.
7	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
8	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
9	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
10	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
11	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
12	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
13	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
14	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
15	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
16	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
17	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
18	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
19	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
20	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
21	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
22	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
23	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
24	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
25	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
26	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
27	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
28	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
29	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
30	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
31	30.000	29.885	55.6	45.6	45.6	60.6	389	273	88	90	SW 1	S 2	10	9	—	☁ Very fine and sunny. ☁ p.
Means	29.688	29.699	53.0	51.0	47.5	59.3	335	316	79.9	83.6	2.2	2.2	6.3	6.8	3.780	

BUXTON.

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

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30.073	30.254	43.9	34.6	34.5	48.7	275	198	96	99	E 3	NW 2	10	0	3.00	☁ ga.
2	30.066	30.281	42.7	27.0	32.5	45.0	297	91	84	91	E 1	W 3	3	7	0.20	☁ ga.
3	30.191	30.210	51.6	49.3	47.2	58.7	356	333	93	95	W 2	W 2	8	7	—	☁ ga.
4	30.143	30.120	54.8	56.4	46.0	56.9	355	430	83	95	SW 3	SW 3	6	10	1.20	☁ ga.
5	30.116	30.007	55.6	58.8	53.7	67.8	433	443	98	90	SW 1	SW 2	10	6	—	☁ ga.
6	29.773	29.653	55.4	58.6	52.0	64.3	381	461	87	94	SW 1	SW 2	8	10	0.60	☁ ga.
7	30.111	30.064	56.3	55.6	55.5	61.1	394	378	87	85	SW 4	SE 3	8	7	0.40	☁ ga.
8	30.105	30.037	54.3	53.0	52.4	58.6	373	348	89	86	SW 3	W 6	10	4	0.10	☁ ga.
9	30.100	30.014	53.7	49.4	46.1	56.1	339	362	89	87	SW 4	W 3	8	8	0.10	☁ ga.
10	30.062	29.360	53.4	50.9	50.0	54.9	353	316	86	85	SW 6	NW 3	10	10	0.70	☁ ga.
11	29.743	30.089	45.6	44.7	43.7	51.9	271	253	89	86	WNW 7	NW 3	6	5	1.90	☁ ga.
12	30.266	30.325	49.4	41.1	40.0	55.4	302	232	86	90	NW 2	NW 1	6	3	—	☁ ga.
13	30.267	30.213	49.4	47.4	37.5	54.3	302	257	86	79	SW 5	NW 5	5	6	—	☁ ga.
14	30.193	30.140	48.9	44.9	42.7	55.0	296	253	86	85	NW 5	SSE 2	6	1	—	☁ ga.
15	30.081	30.135	48.1	48.4	43.0	50.4	311	315	93	93	SE 3	SE 2	10	10	0.30	☁ ga.
16	30.113	30.106	49.9	49.4	47.0	51.9	333	324	93	92	SE 1	Calm	0	10	—	☁ ga.
17	30.045	29.990	47.0	47.5	46.6	58.7	305	292	93	90	Calm	SE 2	10	10	—	☁ ga.
18	29.955	29.907	47.7	48.9	47.2	52.2	316	321	96	93	SE 1	SE 2	10	10	—	☁ ga.
19	30.042	30.050	49.9	50.3	48.5	53.2	323	338	90	93	SE 3	E 1	10	8	0.50	☁ ga.
20	30.036	30.059	50.3	52.2	47.4	52.5	338	356	93	91	SE 1	NW 1	10	3	—	☁ ga.
21	30.040	30.090	51.7	46.7	46.0	53.0	319	299	83	94	SW 1	W 1	6	10	0.80	☁ ga.
22	30.121	30.275	44.7	44.2	38.8	50.5	235	212	79	72	WSW 2	W 2	2	10	0.30	☁ ga.
23	30.183	30.480	43.4	41.9	38.2	48.2	228	244	80	92	W 3	W 1	2	10	0.30	☁ ga.
24	30.227	30.216	42.9	41.1	39.0	44.9	254	213	82	82	W 1	NW 3	10	2	0.60	☁ ga.
25	30.147	30.141	45.0	41.1	39.5	49.1	245	236	82	92	W 3	W 1	2	10	0.40	☁ ga.
26	30.057	30.296	40.7	38.7	36.2	45.1	237	199	83	85	SW 1	NW 1	10	10	1.50	☁ ga.
27	30.147	30.173	39.9	35.3	34.0	49.1	225	196	82	95	NW 2	Calm	0	6	0.50	☁ ga.
28	30.153	30.164	41.9	39.1	34.6	49.1	224	211	85	89	W 1	NW 3	8	4	0.60	☁ ga.
29	30.110	30.112	37.6	33.9	27.0	45.3	186	176	82	90	Calm	NW 1	6	2	0.40	☁ ga.
30	30.096	30.191	38.9	37.1	33.8	43.4	196	199	84	90	NW 1	NW 1	3	4	1.50	☁ ga.
31	29.895	29.995	37.7	35.7	32.6	40.0	208	176	82	84	NW 1	NW 2	10	4	—	☁ ga.
Means	29.749	29.773	47.4	42.3	32.7	52.7	296	286	88.6	88.9	2.3	2.1	7.4	6.8	5.940	

HILLINGTON, NORFOLK.

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

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	37.1	37.1	55.0	ins.	ins.	98	100	W 1	NE 0.5	10	0	ins.	☁ 11.30a.—5p. ☁ p.
2	30.039	30.224	49.9	37.1	37.1	55.0	352	221	98	100	ESE 1	S 1	10	0	—	☁ Very fine and sunny. ☁ p.
3	30.148	30.273	47.5	47.7	33.0	59.7	311	331	96	100	SW 3	SW 1	10	9	—	☁ a. Very fine and sunny. ☁ p.
4	30.174	30.110	58.1	52.4	46.5	65.7	425	391	87	99	SW 1	SW 0.5	5	10	—	☁ Very fine and sunny. ☁ p.
5	30.143	30.044	60.9	55.8	49.6	71.6	500	410	94	92	S 2	S 2	5	9	—	☁ Very fine and sunny. ☁ p.
6	29.833	29.714	59.9	59.8	54.4	69.2	427	491	84	96	S 2	S 1	9	10	1.63	☁ Wind rising 1p.
7	30.080	30.096	60.8	59.6	56.9	62.4	491	415	93	81	SW 3	S 5	8	9	—	☁ 4.30a.—7a. ☁ Very fine, sunny and mild.
8	30.137	30.148	60.4	53.6	53.3	65.8	421	371	81	90	S 4	S 4	7	6	—	☁ Very fine and sunny. ☁ in night.

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	48° 3'	44° 9'	44° 5'	52° 9'	33.1	28.1	98	95	E 1	NNE 1-2	10	10	ins.	early p.
2	327	248	41° 9'	51° 9'	32° 5'	58° 1'	266	339	100	88	E 2	S 1	0	10	—	a. p. ga.
3	184	170	53° 9'	54° 0'	49° 2'	64° 1'	393	363	95	87	SSW 2	Calm 0	9	10	—	a. p. ga. ∞ a. and p.
4	130	30° 104	54° 2'	57° 0'	48° 0'	61° 1'	361	462	86	99	S 2	S 1	9	10	0.30	a. p. T 4p.
5	30° 104	29° 983	56° 8'	60° 0'	55° 2'	71° 6'	440	453	95	88	S 2	SE 1-2	10	10	—	ga.
6	29° 759	638	57° 8'	59° 2'	54° 1'	67° 4'	427	500	89	99	S 3-4	SSE 2	9	10	1.90	all day.
7	499	307	58° 9'	60° 1'	55° 8'	65° 9'	429	402	87	78	SSW-8	SSE 7	9	10	1.40	in past night.
8	283	446	57° 0'	53° 5'	53° 2'	62° 6'	411	373	88	91	S 5-6	SSW 5	9	1	0.40	a. and p.
9	491	269	55° 2'	55° 6'	50° 2'	59° 1'	387	390	89	88	S 5-6	S 6	10	9	3.90	n. diminished then freshened again.
10	056	29° 434	56° 5'	52° 3'	52° 1'	60° 2'	387	347	85	88	SSW 7	SW 7	9	9	0.60	4.45 p. till evening.
11	29° 790	30° 103	51° 0'	44° 9'	44° 1'	56° 2'	261	256	70	87	W 5-6	WSW 2	1	10	—	ga. changing to ga.
12	30° 256	293	49° 0'	47° 0'	43° 2'	60° 1'	312	282	90	88	W 1	Calm 0	10	0	—	ga. Clds. almost stationary.
13	269	202	48° 0'	47° 0'	40° 4'	59° 0'	302	289	91	90	S 3	S 3	9	9	—	ga.
14	157	061	49° 0'	45° 7'	42° 6'	59° 9'	300	270	87	89	SE 3	ENE 2	9	1	—	ga.
15	035	052	46° 2'	50° 0'	39° 7'	55° 3'	308	361	99	100	NNE 2	NE 1-2	10	10	0.20	Extremely thick white ga.
16	088	30° 068	50° 4'	50° 8'	49° 4'	53° 1'	361	356	98	95	Calm 0	Calm 0	10	10	—	ga.
17	30° 018	29° 971	45° 7'	44° 5'	43° 5'	59° 1'	308	287	100	98	SE 0-1	NE 1	10	1	0.10	ga.
18	29° 911	810	47° 9'	49° 8'	43° 1'	53° 7'	333	317	100	88	ENE 2	ENE 3	10	9	—	ga.
19	784	828	51° 5'	51° 0'	49° 2'	56° 0'	345	351	91	94	ENE 2	Calm 0	10	10	1.40	ga.
20	813	694	50° 0'	52° 2'	49° 0'	54° 4'	361	388	100	99	SE 0-1	S 1	10	10	—	ga.
21	442	070	53° 2'	52° 1'	50° 0'	56° 2'	374	390	93	100	S 4	SW 7	10	10	4.70	all the aft. (very heavy) ga.
22	169	293	46° 9'	41° 0'	40° 5'	55° 8'	258	242	81	94	SW 4-5	SW 2	0	3	0.50	ga.
23	431	528	44° 8'	44° 0'	39° 6'	52° 3'	245	255	83	88	SW 6	WSW 6	1	2	4.20	(gale) during day.
24	178	268	45° 0'	41° 9'	41° 5'	47° 1'	299	240	100	91	NNE 2	SW 5	10	0	2.20	Wind N at 11 a., NW at noon.
25	29° 176	168	44° 0'	43° 8'	39° 1'	52° 0'	259	265	90	93	SW 3	SSW 5	3	10	2.70	ga.
26	28° 995	286	43° 8'	40° 8'	40° 2'	48° 6'	281	239	99	95	NNE 2	NW 1-2	10	1	—	ga.
27	29° 503	717	40° 9'	40° 8'	36° 4'	51° 9'	236	244	93	96	N 2	NNW 1-2	1	0	0.50	ga. Day fine.
28	699	658	43° 0'	41° 1'	37° 5'	49° 3'	262	252	94	97	W 3	W 4	3	10	2.60	(gale) from 1p.
29	822	817	38° 9'	35° 5'	34° 3'	41° 9'	213	197	91	95	W 3	NW 5	10	10	1.80	p. X ² 9.15p.
30	680	764	37° 3'	38° 1'	30° 8'	47° 1'	212	221	95	96	WNW 4-5	NW 3	10	0	1.10	Ground covered with X ² ga. after which
31	29° 890	29° 970	38° 0'	37° 6'	33° 2'	42° 6'	226	215	99	96	NNW 2	NW 2	10	10	1.00	ga.
Means	29° 741	29° 756	48° 5'	48° 0'	43° 9'	56° 0'	319	317	92.1	92.6	3° 0'	2° 8'	7° 8'	6° 9'	3° 170	

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.


















OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	30° 061	30° 249	54° 9'	45° 8'	43° 5'	61° 1'	375	287	88	93	WNW 1	NE 1	3	10	0.15	Cold p.
2	308	266	46° 6'	49° 4'	43° 2'	55° 7'	279	331	89	94	SE 2	ESE 1	8	5	—	Bright and warm.
3	198	174	56° 3'	52° 5'	48° 5'	62° 6'	403	375	89	96	WSW 1	SW 1	8	4	—	
4	115	30° 105	52° 7'	58° 4'	45° 1'	59° 9'	375	470	94	96	SE 2	SE 1	8	8	0.50	
5	30° 080	29° 965	58° 1'	61° 4'	53° 9'	67° 8'	449	407	92	76	SE 1	SE 1	5	8	—	
6	29° 743	620	58° 1'	59° 1'	55° 4'	67° 4'	425	461	88	92	SSE 2	SE 1	10	10	3.34	Stormy p.
7	533	244	58° 6'	59° 4'	54° 9'	62° 7'	371	413	76	82	SSE 2	SE 8	5	10	1.28	
8	255	458	57° 4'	55° 0'	54° 2'	61° 9'	386	365	82	85	SSW 2	SW 2	8	5	0.35	in valley. Cold rain.
9	416	230	54° 8'	54° 8'	50° 9'	58° 0'	388	351	90	82	SE 5	SSW 5	10	8	9.04	Stormy and cold.
10	049	29° 494	54° 9'	51° 1'	50° 6'	57° 0'	431	344	100	91	SSE 2	W 4	10	10	3.02	Squalls ga.
11	29° 846	30° 125	49° 8'	44° 8'	41° 5'	54° 0'	260	258	73	87	NW 2	SW 1	5	8	0.09	
12	30° 307	331	50° 4'	44° 7'	40° 6'	58° 6'	324	266	89	90	SW 1	SE 1	2	4	—	
13	248	169	46° 4'	48° 3'	38° 5'	58° 5'	279	285	89	85	ENE 2	SE 2	5	5	—	
14	107	020	51° 3'	48° 0'	47° 0'	57° 7'	308	270	82	81	SE 4	SE 2	6	5	—	
15	058	091	45° 1'	49° 9'	39° 9'	51° 5'	195	338	65	95	ESE 2	ESE 2	6	10	—	all day.
16	110	30° 090	50° 4'	50° 9'	48° 9'	54° 9'	361	355	98	95	ESE 1	ESE 1	10	8	0.33	ga. and before.
17	30° 024	29° 985	45° 3'	46° 7'	40° 1'	59° 0'	274	295	91	93	Calm 0	SSE 1	4	2	—	a. rapidly dissipating.
18	29° 912	798	48° 1'	49° 3'	41° 5'	51° 9'	336	271	100	77	SE 1	ENE 2	8	8	—	Cold.
19	772	845	51° 5'	50° 3'	48° 4'	53° 9'	336	360	89	99	SE 3	SE 2	10	10	2.03	
20	833	709	51° 2'	54° 5'	47° 4'	62° 6'	374	378	100	89	E 2	SW 1	9	7	—	
21	401	130	53° 3'	47° 6'	47° 0'	55° 5'	365	298	90	91	SSW 2	SW 2	8	10	5.04	
22	150	368	48° 3'	43° 8'	40° 4'	52° 7'	242	263	72	92	W 1	SW 1	6	6	2.01	
23	470	552	45° 8'	45° 8'	40° 5'	50° 8'	243	260	79	85	SW 1	NNE 2	5	4	5.45	
24	225	278	45° 4'	44° 8'	41° 4'	48° 5'	299	258	98	87	NE 1	SW 1	10	10	2.45	
25	199	141	47° 2'	43° 3'	40° 0'	51° 6'	271	254	84	91	WNW 1	S 4	4	9	1.75	ga. Cold and dull.
26	058	262	43° 1'	38° 8'	38° 8'	51° 3'	274	221	98	95	W 3	W 2	10	4	0.20	
27	550	772	44° 8'	43° 3'	38° 8'	53° 0'	253	254	85	91	WSW 2	N 3	3	6	0.30	
28	751	759	46° 1'	43° 8'	40° 0'	48° 1'	238	224	77	77	NNW 4	NW 7	5	10	1.93	
29	906	889	37° 8'	33° 9'	33° 3'	45° 1'	199	188	88	97	NW 4	NW 5	10	4	1.53	[cold.
30	743	29° 848	39° 8'	39° 1'	31° 0'	44° 5'	226	234	93	98	W 5	NW 2	9	10	2.45	X ² on mountains. Gloomy and
31	29° 962	30° 041	40° 3'	37° 9'	35° 0'	42° 1'	241	212	97	93	N 2	N 1	10	10	0.60	ga. and ga. Mild.
Means	29° 755	29° 743	49° 5'	48° 3'	43° 9'	55° 5'	315	308	87.9	89° 5'	2° 1'	2° 3'	7° 1'	7° 4'	4° 550	

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	53° 6'	47° 7'	44° 3'	62° 0'	in.	in.	°/o	°/o	Calm	0	E	2	4	10	ins.	°10	
2	30° 042	30° 192	49° 7'	50° 3'	44° 3'	57° 5'	335	304	81	92	Calm	0	Calm	0	7	10	0°03	 2 ga.	
3	307	237	54° 3'	52° 8'	46° 0'	66° 0'	388	351	92	87	Calm	0	Calm	0	3	0	—	 2 ga.	
4	180	162	54° 0'	58° 5'	47° 8'	61° 6'	377	465	90	95	Calm	0	Calm	0	10	10	0°22	 2 ga.	
5	110	30° 100	57° 3'	58° 0'	47° 8'	70° 1'	446	412	95	85	SE	1	Calm	0	9	2	0°05	 2 ga.	
6	30° 092	29° 947	58° 7'	58° 9'	53° 5'	67° 4'	447	469	91	95	SE	3	S	4	10	10	1°30	 2 ga.	
7	29° 727	592	60° 1'	58° 6'	56° 9'	63° 7'	494	446	78	91	S	4	SSE	7	6	10	2°00	 2 ga.	
8	473	206	59° 5'	54° 3'	54° 2'	63° 0'	394	361	78	86	SW	5	W	3	6	9	0°40	—	
9	257	480	56° 2'	55° 6'	53° 4'	59° 5'	410	362	91	82	SSE	6	S	7	10	6	7°90	—	
10	453	207	54° 7'	52° 8'	49° 2'	59° 8'	403	375	94	96	S	4	W	6	10	9	1°40	—	
11	060	29° 522	44° 9'	44° 9'	56° 3'	273	266	74	90	WNW	5	Calm	0	1	10	—	—	 2 ga.	
12	29° 861	30° 128	43° 4'	42° 2'	61° 7'	309	268	82	95	WNW	1	Calm	0	0	0	—	—	 2 ga.	
13	30° 275	295	49° 2'	47° 6'	39° 0'	59° 2'	306	284	89	87	SSW	2	SSE	3	10	3	—	 2 ga. and gp.	
14	266	169	45° 9'	43° 8'	59° 4'	323	270	77	88	ESE	2	E	1	4	1	—	—	 2 ga. and gp.	
15	104	022	51° 8'	50° 0'	56° 1'	294	369	97	95	NE	1	ENE	2	10	10	—	0°14	 2 ga.	
16	024	044	51° 0'	51° 8'	50° 0'	56° 1'	294	369	97	95	NE	1	Calm	0	10	10	0°10	 2 ga.	
17	075	30° 055	48° 3'	42° 2'	54° 9'	334	271	90	99	Calm	0	Calm	0	10	10	—	—	 2 ga.	
18	30° 007	29° 940	49° 4'	40° 0'	53° 7'	345	287	98	83	ESE	1	SE	1	10	10	—	0°03	 2 ga.	
19	29° 872	780	52° 5'	48° 9'	56° 0'	349	369	89	97	E	1	SE	2	10	10	—	2°50	 2 ga.	
20	755	807	51° 7'	50° 5'	59° 1'	381	379	99	93	Calm	0	S	2	10	10	—	0°08	 2 ga.	
21	803	668	51° 5'	51° 3'	57° 5'	351	357	84	94	SSW	3	WSW	4	9	10	—	4°80	—	
22	442	108	49° 6'	42° 2'	39° 9'	56° 4'	254	232	72	87	W	3	W	3	1	0	0°30	—	
23	190	345	46° 6'	47° 2'	42° 2'	52° 7'	237	245	75	76	W	6	W	6	1	2	6°30	—	
24	461	558	46° 5'	42° 6'	50° 5'	304	234	97	85	NNW	1	W	2	10	1	—	1°15	Clouds very low (200 feet ?), ga.	
25	151	280	43° 6'	43° 6'	53° 7'	267	258	87	90	W	2	W	2	6	5	—	1°80	—	
26	206	145	40° 6'	40° 6'	51° 2'	278	236	94	95	Calm	0	Calm	0	10	1	—	0°20	—	
27	010	277	44° 0'	37° 4'	25° 8'	250	231	84	92	NE	1	Calm	0	1	0	0°50	 2 ga.		
28	521	744	45° 3'	37° 2'	50° 4'	260	227	85	81	W	2	NW	5	3	1	—	2°10	—	
29	745	729	35° 0'	44° 9'	200	182	81	88	88	NW	1	N	3	9	1	—	0°60	✱ on Black Mts. all aft. [land, ga.	
30	873	845	33° 9'	48° 0'	200	231	79	89	209	NNW	6	N	3	4	4	—	1°33	✱ on Black Mts. and on nearer	
31	728	804	38° 6'	45° 5'	227	214	89	92	209	NNW	2	N	2	7	10	—	2°14	✱ on Black Mountains ga.	
32	29° 922	29° 983	41° 2'	38° 6'	33° 6'	45° 5'	227	214	89	92	NNW	2	N	2	7	10	—	2°14	—
Means	29° 742	29° 754	50° 4'	48° 3'	44° 2'	56° 9'	323	312	87° 1'	90° 0'	2° 0'	2° 3'	6° 8'	6° 0'	3° 737				

CARMARTHEN.

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

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	48.3	49.6	43.8	64.7	ins.	ins.	100	98	Calm	Calm	0	1	ins.	
2	30.171	30.171	48.3	49.6	43.8	64.7	33.9	34.8	100	98	Calm	Calm	0	1	ins.	
3	30.180	30.180	49.2	50.5	44.0	65.3	34.2	35.0	93	96	Calm	Calm	0	1	ins.	
4	30.180	30.180	50.7	51.7	45.3	66.3	34.9	35.8	95	98	Calm	Calm	0	1	ins.	
5	30.054	29.873	50.1	51.1	44.8	71.0	34.8	35.7	83	77	Calm	SE	1	7	0.03	U op.
6	29.699	29.558	50.1	51.1	44.8	68.3	35.0	35.9	98	95	SW	W	1	10	0.06	Frequent 2. Squally op.
7	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	Squally p. < 8p.
8	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	Squally a. and p.
9	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	Squally a. and p.
10	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	U op.
11	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
12	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
13	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
14	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
15	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
16	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
17	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
18	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
19	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
20	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
21	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
22	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
23	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
24	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
25	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
26	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
27	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
28	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
29	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
30	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
31	30.171	30.171	50.7	51.7	45.3	66.3	34.9	35.8	95	98	SW	W	1	10	0.06	
Means	29.738	29.742	52.8	49.6	45.8	59.5	35.4	33.5	87.4	92.9	2.0	1.7	6.7	5.5	6.360	

MARLBOROUGH, WILTS.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

OCTOBER 1878.

1	30.065	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
2	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
3	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
4	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
5	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
6	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
7	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
8	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
9	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
10	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
11	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
12	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
13	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
14	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
15	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
16	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
17	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
18	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
19	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
20	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
21	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
22	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
23	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
24	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
25	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
26	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
27	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
28	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
29	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
30	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
31	30.138	30.156	52.7	49.2	42.4	63.9	36.2	33.5	91	96	Calm	Calm	0	3	ins.	
Means	29.787	29.800	50.4	48.4	43.7	58.1	33.8	31.7	87.9	92.0	0.8	0.7	6.6	6.4	4.018	

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.			
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.			
1	30.040	30.135	55.7	50.5	48.0	65.7	37.7	37.7	85	98	SW	1	W	1	10	8	~ a. and p.	
2	335	203	45.9	53.6	37.7	61.7	203	391	95	95	E	1	S	1	10	10	~ a. and p.	
3	333	220	56.5	50.3	43.0	69.2	401	357	88	98	Calu	0	Calu	0	0	10	~ a.	
4	379	168	58.8	53.3	40.6	67.4	385	386	78	95	SW	1	SW	1	5	6	~ a. ☐ p.	
5	30.141	30.024	63.7	54.9	44.3	74.2	483	373	82	87	S	1	SW	1	0	10	~ a. ☐ p.	
6	29.827	29.693	62.3	59.5	51.9	67.2	501	482	90	95	S	1	SW	2	10	8	*385	
7	587	412	61.8	60.0	56.0	66.2	434	453	79	88	S	2	SW	3	4	10	*075 Squalls a. ⚡ ● p.	
8	378	554	59.8	55.0	54.4	63.9	431	403	84	93	SW	2	NW	2	2	0	*035 Squally a.	
9	623	420	58.7	57.6	52.0	61.2	418	418	85	87	S	2-3	SW	3-4	10	3	*458 Squally ⚡, half gale at night.	
10	257	29.573	59.5	53.4	53.0	61.1	431	364	83	89	SW	2-3	SW	3-4	9	8	*185 ⚡ with squalls all day.	
11	29.881	30.131	52.4	41.7	41.2	58.4	318	252	81	96	W	2	Calu	0	0	7	—	Rough squalls a. ☐ p.
12	30.280	349	52.0	39.7	36.9	60.9	309	242	80	99	NW	1	Calu	0	0	1	—	~ a. Ground ~ p.
13	345	259	45.7	39.9	30.0	62.2	295	244	96	99	Calu	0	Calu	0	3	2	—	~ a. Ground ~ p.
14	30.175	038	53.7	47.2	33.1	61.3	339	296	82	92	E	2	SE	1	5	0	—	~ a. Rough.
15	29.998	028	46.4	50.8	34.2	57.1	311	364	98	98	Calu	0	Calu	0	10	10	—	~ a. Rough.
16	30.095	30.077	51.9	50.8	49.4	55.0	384	369	100	99	Calu	0	Calu	0	10	10	—	~ a. ~ p.
17	30.025	29.068	51.1	51.8	49.0	63.5	371	371	99	96	Calu	0	E	0-1	10	5	—	~ a. ~ p.
18	29.882	745	51.3	45.9	45.0	58.5	325	303	86	98	E	2	SE	1	10	0	—	
19	748	827	54.0	50.7	45.0	57.2	366	362	87	98	E	2	SE	1	10	10	—	*600
20	839	749	52.1	50.0	49.3	58.2	384	356	98	99	Calu	0	Calu	0	10	0	—	~ ga. Ground ~ p.
21	539	269	57.0	54.5	48.1	64.2	444	393	95	93	S	1	SW	3	10	10	*366 ⚡ p.	
22	265	345	50.0	43.5	41.7	56.8	309	238	86	85	W	2	NW	2	0	0	—	Squally before ga.
23	265	047	44.5	44.3	39.4	54.7	244	257	83	88	W	2-3	W	1	9	1	*298	
24	229	383	57.4	45.8	43.8	58.4	447	284	95	93	W	3-4	NW	2	10	5	*102 ⚡ (half gale) from S. a.	
25	251	281	48.9	44.4	41.7	55.6	279	260	81	89	NW	2	NW	1-2	0	6	*236	
26	030	313	48.5	40.9	40.2	53.9	311	247	92	97	SW	1	NW	1-2	8	1	*085	
27	486	720	41.2	42.5	32.9	52.4	255	259	98	95	NW	0-1	Calu	0	0	3	—	~ a.
28	774	729	46.5	43.1	34.9	52.1	260	233	84	83	W	3-3	NW	2-3	7	4	*056 ~ a. ⚡	
29	851	797	42.6	35.0	34.4	46.4	223	197	82	97	W	1	NW	1	10	4	—	
30	764	748	39.6	41.0	30.8	47.6	191	235	78	92	W	2-3	W	2	8	8	*082 * ⚡ a.	
31	29.069	29.048	37.0	40.4	34.0	46.0	210	244	96	98	NW	1	W	1	8	10	—	~ a. 2 a.
Means	29.791	29.801	51.8	48.1	42.4	59.3	346	322	87.9	93.8	1.4		1.3	6.4	5.5	3.023		

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	Min.	Max.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	
1	ins.	ins.	56°8	54°9	47°6	62°7	ins.	ins.	76	85	NE 0.5	NW 0.5	7	2	ins.	Beautiful day.
2	30°119	30°122	52°1	53°8	46°9	62°1	304	391	78	94	NE 0.5	SE 0.1	9	7	—	Cool. ☁ p.
3	30°241	30°206	57°2	53°2	45°8	60°2	395	366	84	91	S 0.1	SE 0.1	7	5	—	☁ a. Beautiful day.
4	30°173	30°156	62°0	56°1	48°3	64°5	367	410	66	90	SE 1	SE 0.5	4	6	—	Beautiful day.
5	30°135	29°979	65°2	60°4	51°4	65°2	481	407	78	78	SE 1	SE 4	3	10	0.04	Delightful day.
6	29°834	29°696	63°4	58°6	58°6	68°7	494	464	85	94	SW 1	S 1	9	10	0.478	Very mild.
7	30°588	30°700	61°0	61°9	57°4	65°4	402	428	76	78	SW 2	S 6	7	10	0.361	☁ p. Very mild.
8	30°404	30°586	59°2	56°7	56°1	64°4	425	406	85	88	SW 3	SW 3	8	1	0.022	☁ p.
9	30°619	30°402	59°2	59°7	54°1	62°7	427	424	86	83	SW 4	SW 7	10	10	0.768	☁ p.
10	30°262	29°654	60°5	53°9	55°5	60°6	395	307	75	74	SW 7	SW 5	9	4	0.100	☁ a. ☁ p.
11	29°959	30°174	53°7	45°2	47°6	60°7	285	247	70	83	W 4	NW 0.5	6	7	—	Large ☁ 9.45p.
12	30°305	30°337	52°2	45°1	40°0	57°2	290	267	74	89	NW 0.5	Calm 0.0	0	1	—	Beautiful day. ☁ 9.30p.
13	30°336	30°229	55°2	49°5	37°6	59°1	328	321	75	91	S 1	SE 1	3	2	—	Beautiful day.
14	30°141	30°005	58°3	47°6	46°5	59°1	308	283	63	87	SE 4	NE 1	1	0	—	Beautiful day.
15	29°973	30°025	49°5	53°0	43°6	59°1	299	352	85	87	NE 0.1	NE 1	10	10	—	
16	30°078	30°065	53°2	52°7	48°7	55°5	363	375	90	94	NE 1	NE 0.5	10	10	—	
17	30°007	29°930	52°4	49°8	42°9	58°7	335	315	85	88	NE 0.1	NE 1	8	1	—	☁ 3.30p.
18	29°844	29°723	51°9	50°7	47°8	60°7	304	321	79	87	E 2	NE 2	10	9	—	
19	29°739	29°823	54°8	52°2	49°5	55°7	356	366	83	94	E 1	Calm 0.0	10	10	0.396	
20	29°833	29°741	52°6	50°6	50°7	57°0	380	358	96	97	E 1	Calm 0.0	10	0	0.006	☁ 9.30p.
21	29°526	29°482	54°9	50°3	49°5	57°6	425	395	99	87	SW 0.1	SW 5	10	10	0.243	Very damp with ☁ a. ☁ p.
22	29°580	29°576	51°2	46°5	47°6	61°5	270	261	72	84	SW 1	NW 4	1	2	—	Beautiful day.
23	29°588	29°677	48°7	49°8	41°9	55°7	226	282	66	79	NW 4	NW 3	7	5	0.418	Beautiful day.
24	29°223	29°399	58°0	46°7	48°1	58°4	457	251	94	79	SW 8	SW 2	10	1	0.199	☁ a., with drizzling rain.
25	29°257	29°277	46°9	49°0	45°6	58°4	269	280	85	80	NW 1	SW 1	3	9	0.521	
26	29°048	29°336	50°8	44°7	46°0	54°3	292	255	79	86	SW 2	W 1	8	1	0.005	
27	29°500	29°236	46°1	44°5	37°7	54°3	243	247	78	84	N 2	NW 1	1	10	—	
28	29°794	29°779	47°4	45°8	38°8	51°9	256	213	79	69	W 2	NW 5	4	9	—	Cold wind, but fine.
29	29°886	29°807	44°2	37°7	41°9	52°0	207	198	71	88	NW 2	NW 2	10	0	0.005	Fine, but cold.
30	29°809	29°765	41°4	41°8	33°2	46°7	191	231	74	88	NW 2	NW 3	2	3	0.019	Cold wind a.
31	29°911	29°949	35°7	41°5	35°7	47°1	198	226	95	87	NE 1	NW 1	10	10	0.006	Raw cold a. Very dull after 2p.
Means	29°796	29°803	53°4	50°6	46°5	58°6	333	323	80°0	85°9	1°9	2°0	6°7	5°6	3°551	

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.

OCTOBER 1878.

Day.	9 a.m.		9 p.m.		Min.	Max.	9 a.m.		9 p.m.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	Remarks.
	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	30°030	30°124	55°0	54°2	49°4	60°0	354	380	82	91	NE 1	Calm 0	1	10	—	
2	30°326	30°299	52°5	57°2	48°9	61°4	319	359	81	76	NE 1	S 2	10	3	—	
3	30°245	30°225	58°1	53°8	53°5	62°5	395	391	81	94	SSW 1	NW 0.1	10	5	—	
4	30°201	30°183	57°7	55°9	53°8	63°0	343	372	72	83	S 1	S 0.1	1	1	0.010	
5	30°163	30°050	61°9	60°5	55°7	67°0	469	416	86	79	S 0.1	NE-SE 1	1	5	—	
6	29°888	29°754	61°9	61°5	58°1	66°9	457	491	83	90	S 3	S 3	10	10	0.300	Roar of sea distinct at night.
7	29°649	29°502	61°7	62°2	59°9	65°0	469	427	86	77	SSW 5	S 5-6	9	10	0.070	Fine till night, then wind and ☁.
8	29°460	29°623	59°6	59°3	58°5	64°0	426	403	83	80	SSW 6	SW 6	10	5	0.070	
9	29°715	29°527	58°5	58°7	55°3	62°0	394	452	80	92	SW 6	SSW 7	1	8	0.410	☁ from 1.30p. ☁ at night.
10	29°367	29°632	59°9	55°4	54°8	61°0	411	341	80	78	SSW-SW 3	W 6	9	3	0.300	☁ all day. ☁ 9p.
11	29°905	30°132	52°9	45°8	45°4	58°0	283	253	70	82	W 6	WNW 2	0	1	—	☁ 0.30p.
12	30°283	30°343	51°3	49°8	43°3	60°6	301	280	79	79	W 0.1	NE 0.1	5	0	—	Very fine day. ☁ p. ☁ 9a. and 9p.
13	30°364	30°295	55°0	54°6	46°7	61°6	330	305	76	72	S 1	SSW 1	1	1	—	☁ 9a. Burr round the moon 9p.
14	30°199	30°031	54°1	54°0	52°4	57°6	287	275	69	66	E 3	ENE 5	0	0	—	☁ 9a. Fine.
15	29°974	29°811	53°4	52°8	46°7	56°4	345	355	85	88	ENE 2	NE 3	9	10	—	Fine.
16	30°069	30°071	55°1	53°6	52°0	58°0	394	383	90	93	E 1	E 1	10	9	—	☁ 9p.
17	30°019	29°966	55°7	53°6	51°0	59°4	497	361	92	88	S 0.1	NE 0.1	10	0	—	☁ 9a. ☁ 9p.
18	29°875	29°742	49°3	54°4	48°8	54°6	311	356	80	84	ENE 3	ENE 4	10	5	—	Fine.
19	29°731	29°793	52°6	51°0	49°8	55°5	348	338	88	90	ENE-NE 4	NE 1	1	5	—	Fine.
20	29°833	29°777	54°5	54°5	50°5	58°0	376	410	80	96	NE 0.1	Calm 0	10	4	0.010	☁ 9a. and 9p.
21	29°558	29°348	58°5	57°9	54°2	60°0	462	400	94	83	S 1	SW 6	10	10	0.195	☁ 9a. ☁ at night. [night.]
22	29°300	29°359	48°2	48°9	46°0	58°8	307	277	92	80	W 1	W 2	10	9	0.015	☁ n. and p. ☁ (communicated) at
23	29°582	29°697	48°6	47°9	41°1	53°4	252	264	73	80	W 5	WSW 2	1	0	0.280	Fine. [morning. Bar. at 0.25p. 29°194.
24	29°376	29°419	53°8	48°2	46°3	59°5	391	265	94	79	S-SSW 7	WSW 3	10	9	0.310	(fresh to strong gale) during
25	29°261	29°334	49°4	48°7	45°5	53°0	305	270	88	79	WSW-W 2	WSW 2	10	0	1.050	(communicated) 9.20p.
26	29°073	29°333	53°1	43°0	42°5	54°1	324	251	80	90	SSW-SW 7-8	W 1	10	0	0.195	☁ (heavy gale), with very high tide
27	29°451	29°688	45°1	44°1	41°6	48°2	272	245	90	84	NE 1	N 2	10	0	0.010	☁ 9a. ☁ (communicated) p.
28	29°779	29°716	42°8	42°6	37°0	50°2	254	215	92	80	W-WSW 2	W 4-5	1	0	0.020	☁ 9a. Fine with cold ☁.
29	29°807	29°775	43°2	39°2	38°7	45°2	268	208	74	87	WNW 4	NNW 1	0	8	—	☁ in afternoon.
30	29°781	29°732	34°8	40°2	30°4	44°0	168	218	83	80	W 3	NNW 3	10	10	—	Fine.
31	29°852	29°919	37°0	41°1	35°4	47°8	206	236	94	92	NNW 3	NW 0.1	0	10	—	☁ 9a. Fine.
Means	29°810	29°819	52°7	51°8	48°2	57°6	341	329	83°7	83°9	2°9	2°5	6°4	4°9	3°245	

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.			
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.			
1	30°072	30°160	51°3	49°9	45°3	54°9	352	334	92	93	NW	4	Calm	0	6	9	ins.	
2	275	258	48°9	48°4	47°0	55°6	346	329	100	97	E	3	S	1	10	10	0°10	☁ 9a. and before.
3	190	169	55°3	50°7	45°2	58°6	353	345	81	94	E	2	S	2	5	8	—	
4	137	30°109	53°3	54°3	49°4	56°2	378	416	93	99	S	1	S	1	10	8	0°20	☁ 9a. and p.
5	30°043	29°904	53°7	54°8	51°6	68°6	400	430	90	100	SE	1	SE	1	4	10	0°140	☁ 9p.
6	29°749	29°619	57°1	54°5	54°5	59°4	467	425	100	100	S	3	S	2	10	10	0°260	☁ all day.
7	481	190	53°1	51°5	51°0	56°4	393	349	97	92	SW	4	SW	8	6	8	0°495	☁ before 9a.
8	340	576	53°3	50°6	50°0	54°2	367	369	90	100	SW	4	W	3	9	10	0°960	☁ a. and 9p.
9	472	262	53°3	52°3	49°8	54°4	407	365	100	93	SW	8	SW	6	10	9	1°530	☁ a. and p. Squalls 9p.
10	236	29°709	50°5	45°6	45°2	52°4	362	283	99	93	SW	8	S	3	10	8	0°120	☁ 9a. and before.
11	29°991	30°180	44°6	44°2	40°8	51°4	285	193	97	66	W	3	NW	1	6	6	—	Squally before 9a.
12	30°271	314	49°9	46°6	41°4	56°2	274	275	77	88	NW	1	NW	1	2	1	—	
13	248	30°145	50°5	46°4	41°2	53°6	287	296	79	94	NE	2	S	2	5	2	—	
14	30°021	29°919	49°4	48°6	44°6	53°6	283	306	81	90	E	6	S	3	4	6	—	
15	29°925	30°013	46°4	47°2	41°2	55°8	316	305	100	95	SE	4	SE	1	10	9	—	☁ 9a.
16	30°054	30°054	50°0	48°8	46°4	54°6	324	340	99	98	E	1	E	1	9	8	0°10	☁ 9a.
17	29°967	29°888	49°3	50°8	44°0	57°4	352	361	100	97	E	3	E	2	10	9	—	☁ 9a.
18	789	682	47°7	46°4	46°0	56°8	327	292	99	93	E	3	E	6	10	10	0°050	☁ 9a. and before.
19	705	782	49°8	52°9	45°2	55°4	358	401	100	100	E	1	Calm	0	10	10	0°110	☁ till 2p. ☁ 9p.
20	790	738	56°3	49°7	49°7	58°1	379	346	84	97	SW	1	Calm	0	1	10	—	☁ a. and p.
21	529	266	49°8	50°3	46°2	51°9	358	365	100	100	W	3	SW	8	10	10	1°510	☁ a. and p. Squally p.
22	305	445	45°5	40°6	39°5	51°4	238	251	79	99	W	4	NW	5	6	5	0°300	
23	616	681	42°8	43°4	37°0	48°4	257	268	94	95	NW	5	NW	4	3	10	1°170	
24	260	432	49°6	41°8	40°3	53°0	356	242	100	92	W	7	NW	5	10	10	0°160	
25	314	285	43°6	41°6	40°3	48°4	274	259	97	98	W	4	W	5	9	10	0°890	
26	115	349	39°8	40°4	39°5	42°0	245	238	100	95	NW	4	NW	2	10	5	0°230	
27	642	779	43°2	41°4	37°0	47°7	244	243	87	94	N	4	Calm	0	3	2	0°080	
28	852	893	43°2	40°7	39°0	44°4	262	188	93	75	NW	4	NW	7	9	3	0°080	Squally 9p.
29	968	886	39°4	33°4	32°0	41°0	195	182	81	96	NW	4	NW	4	7	10	0°410	⚡ p. ✱ 9p.
30	925	867	35°4	39°4	30°5	40°4	162	202	78	84	NW	5	NW	7	5	5	0°190	⚡ a., ground covered 9a. Very per-
31	29°920	29°977	40°9	35°6	36°0	45°2	205	200	81	97	N	1	N	1	0	6	0°030	[feet] 4p. ✱ ● p.
Means	29°781	29°791	48°4	46°5	43°4	52°8	316	303	91°6	93°7	3°5		3°0		7°1	7°6	8°790	

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	60.9	54.8	54.8	63.8	ins.	ins.	85	90	NE 3	NW 1	5	0	ins.	pp.
2	30.015	30.199	60.9	54.8	54.8	63.8	450	390	85	90	ESE 1	Calm 0	6	0	—	pp. a. p. Very fine day.
3	30.07	30.313	63.0	56.5	52.8	66.5	417	404	73	88	SE 2	SE 3	1	4	—	pp. a. p. at times from 11a. Very fine
4	30.274	30.224	62.4	60.8	54.7	65.3	371	381	66	72	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
5	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
6	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
7	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
8	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
9	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
10	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
11	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
12	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
13	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
14	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
15	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
16	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
17	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
18	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
19	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
20	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
21	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
22	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
23	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
24	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
25	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
26	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
27	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
28	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
29	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
30	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
31	30.157	30.180	62.2	60.9	55.0	67.3	381	443	68	84	SE 2	Calm 0	2	0	—	pp. a. p. at times from 11a. Very fine
Means	29.857	29.868	57.1	54.7	51.2	61.1	365	347	77.4	79.6	2.9	2.9	6.0	4.5	4.799	

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30.081	30.217	53.1	43.3	43.1	59.4	334	242	82	86	E 1	Calm 0	10	0	—	pp.
2	30.181	30.065	47.3	55.0	38.2	59.0	285	403	88	93	SE 2	SSE 2	10	10	—	Evening observations rather late.
3	30.079	30.000	57.0	55.1	54.1	63.7	408	399	88	91	SSE 3	SE 2	7	9	—	pp.
4	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
5	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
6	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
7	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
8	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
9	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
10	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
11	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
12	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
13	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
14	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
15	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
16	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
17	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
18	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
19	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
20	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
21	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
22	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
23	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
24	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
25	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
26	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
27	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
28	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
29	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
30	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
31	30.1807	30.1930	56.6	55.2	50.5	66.2	409	407	94	94	SSE 3	SE 2	10	10	—	pp.
Means	29.631	29.651	51.1	48.9	45.2	56.1	329	308	85.9	86.6	2.8	2.5	8.3	7.5	5.247	

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

OCTOBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	53.8	47.0	47.0	50.7	ins.	ins.	91	92	W 3	NNE 1	10	0	ins.	Cold p.
2	30.240	30.234	48.9	54.1	39.9	58.6	322	411	93	98	Calm 0	SSW 1	7	10	0.03	early a. Smoke from 7a.
3	30.126	30.087	54.6	55.8	53.0	63.4	409	392	96	87	SSW 1	SSW 1	2	8	—	Fine and mild p.
4	29.972	30.007	59.7	60.1	52.8	64.6	460	405	91	89	S 2	SW 1	10	10	—	[Very warm with p.
5	29.929	30.078	60.6	61.2	57.3	64.4	451	405	85	76	SSE 2	SSE 5	5	8	0.104	"Pestooned" clouds from S. 4p-6p.
6	30.064	30.066	61.0	57.9	57.6	65.6	450	425	95	89	S 3	S 2	8	3	0.050	Squalls from S. a. p. [gale.] rep.
7	30.066	30.066	61.0	57.9	57.6	65.6	450	425	95	89	S 3	SE 8	5	10	0.035	Squalls with 2 from 1p. 2 (strong)
8	30.066	30.066	61.0	57.9	57.6	65.6	450	425	95	89	S 3	SE 8	5	10	0.030	(moderate gale) a. Squally. [11.30p.
9	29.937	30.138	56.9	56.0	55.2	63.4	352	386	76	86	SW 7	WSW 4	6	8	0.208	Lunar in NW. 9p. Bar. 28.729 at
10	29.157	28.896	58.6	57.8	53.0	62.5	442	372	90	78	S 3	S 4	10	4	0.026	with squalls a. reaching a gale p.
11	28.942	29.473	59.0	51.2	51.0	59.3	383	304	85	81	W 6	WhyN7	9	8	—	a. [Upper clouds moving slowly p.
12	29.863	30.122	48.5	49.0	44.9	55.5	247	291	72	84	WNW 5	WNW 3	0	7	—	Very fine.
13	30.234	30.155	47.7	53.4	45.1	56.8	279	322	85	79	SW 1	SSW 3	2	6	—	Glowing sunrise 6.30a. a. and p.
14	30.065	30.074	55.6	56.3	52.4	58.4	320	356	72	78	SSW 4	S 5	8	10	—	∞. Very fine. [with squalls.
15	29.933	30.079	56.0	55.1	54.9	57.7	340	313	75	72	S 5	SSE 4	9	8	—	Smoke a. Partial 4p.
16	29.998	30.066	55.4	51.8	51.6	58.3	355	343	81	88	SE 2	Calm 0	7	6	—	Partial a. Very fine. 2 p.
17	30.040	29.908	52.4	52.0	48.9	59.9	351	323	90	83	Calm 0	SW 1	9	3	—	
18	29.938	30.002	50.0	49.5	49.4	58.6	338	333	75	94	SW 2	SSE 1	6	1	—	
19	29.817	29.751	56.1	53.2	48.9	58.9	393	330	87	81	SE 2	SE 2	5	3	—	
20	29.707	29.745	54.0	53.7	50.0	56.2	360	387	86	04	ESE 2	S 1	10	5	0.026	Very mild. p.
21	29.700	29.559	55.4	55.9	51.9	60.6	397	398	93	80	SE 1	SW 3	7	4	0.153	a. and p. Bar. 28.985 3p. Cold p.
22	29.552	29.058	51.1	44.2	43.9	56.3	437	248	89	85	SW 4	W 3	10	2	0.390	Clear and cold a. p.
23	29.102	29.284	45.5	42.1	41.5	52.1	255	219	84	82	W 4	W 5	5	3	0.010	with squalls a. p. Cold.
24	29.376	29.450	44.3	46.4	41.1	50.3	260	260	81	83	WhyN5	W 5	3	5	0.010	▲ 1p. p. Squally p.
25	29.352	29.426	45.3	44.8	43.3	50.7	259	241	86	81	WSW 2	WhyN5	7	0	0.010	Partial 9.30a. Bright and cold eveng.
26	29.300	29.067	44.9	42.7	40.2	49.2	261	244	85	88	W 3	W 2	6	2	—	early a. T to NE. 3.30p. evening.
27	29.107	29.391	42.5	42.5	37.6	48.6	243	236	90	87	WNW 3	NNW 2	6	3	0.030	
28	29.630	29.814	46.0	47.9	38.3	51.6	269	237	87	90	NNW 3	NNW 3	4	0	—	a. and p. Bright and bracing a.
29	29.814	29.947	45.3	42.3	40.2	49.8	231	211	82	79	NW 4	NW 5	4	0	0.010	Squalls p. Very cold.
30	29.947	30.009	41.2	35.1	35.0	44.8	235	179	91	87	WNW 3	NW 3	2	0	—	0 showers 7a. a. and p.
31	29.914	29.968	39.1	40.6	32.9	48.0	209	203	88	81	NW 5	NNW 4	10	0	—	Bright, dry and cold a. < late p.
31	30.080	30.078	39.4	35.8	35.2	44.5	201	183	75	87	NNW 3	NW 2	1	0	—	
Means	30.085	30.701	51.3	49.9	46.8	56.4	330	314	85.2	85.0	3.0	3.1	6.0	4.3	2.095	

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	41°0	39°0	36°4	44°0	ins.	ins.	76	77	NNW 2	N 4	4	10	ins.	
2	30°136	30°175	41°0	39°0	36°4	44°0	195	181	76	77	NW 5	W 2	2	8	—	
3	30°276	30°276	41°0	39°1	36°3	42°5	199	204	80	85	W 1	Calm 0	10	8	—	
4	30°877	30°020	40°6	38°3	35°8	43°5	191	179	75	77	NNW 3	N 2	4	0	—	
5	30°014	29°808	39°4	38°8	33°2	44°1	177	159	74	68	NNW 2	N 5	3	2	—	Squally op.
6	29°656	29°656	37°7	35°0	36°4	44°7	205	182	79	79	N 5	N 2	6	0	—	
7	29°811	29°811	38°1	35°0	34°3	40°3	181	200	78	98	NW 2	Calm 0	8	10	0.050	* on neighbouring hills.
8	29°577	29°577	38°6	35°0	33°6	35°2	148	139	72	72	NNW 2	N 1	10	1	—	* in evening. Cold.
9	30°088	30°088	32°0	34°6	30°0	35°1	160	189	88	94	Calm 0	S 2	1	8	10	* in past night.
10	29°109	29°109	39°0	40°5	31°0	46°5	201	195	85	78	S 2	N 4	5	3	0.015	* n. Squalls a. and p. * in the evening.
11	30°8	30°8	33°5	31°2	29°2	40°5	116	106	61	61	NNW 6	N 7	2	10	—	Squalls a. and p.
12	29°81	29°81	37°2	35°6	30°4	40°0	138	160	62	76	NW 5	NNW 7	6	10	—	Squalls before ga.
13	29°83	29°83	37°4	35°8	34°5	45°0	183	180	73	79	NNE 3	N 1	4	5	—	
14	29°801	29°801	38°0	37°8	35°0	44°5	184	175	79	77	NNE 1	N 2	8	2	—	
15	29°717	29°717	32°2	31°0	30°0	42°6	153	148	84	85	N 4	NW 4	6	6	0.050	
16	29°576	29°576	40°0	39°4	36°9	44°7	193	179	78	75	NE 2	S 2	3	0	—	
17	29°774	29°774	40°3	39°6	37°0	46°2	199	176	80	72	NNW 3	NNW 2	5	0	—	
18	29°219	29°219	33°8	32°2	31°0	30°0	153	148	84	85	Calm 0	Calm 0	3	0	—	D op.
19	29°368	29°368	34°7	40°0	28°0	43°0	186	205	92	83	W 1	W 2	10	7	—	D op.
20	29°329	29°329	43°0	36°7	36°5	44°7	253	216	91	99	W 1	? 1	10	1	—	D op.
21	30°200	30°200	38°0	39°8	32°5	44°0	216	205	95	84	W 1	? 1	9	10	—	D op.
22	29°929	29°929	39°3	37°0	35°8	40°3	200	200	84	91	W 1	NNW 2	8	10	0.215	* n. and most of day. * op.
23	29°028	29°028	33°0	33°4	31°8	37°2	178	183	95	96	NW 1	Calm 0	10	10	—	Drizzling ga.
24	29°723	29°723	36°3	35°0	32°6	37°0	194	202	91	99	NE 2	? 1	10	10	0.230	Incessant all day.
25	29°350	29°350	37°8	38°0	33°5	38°0	212	206	94	90	? 1	N 2	10	10	0.645	
26	29°535	29°535	36°0	35°3	35°0	38°0	175	148	82	71	N 1	NW 1	10	10	—	
27	29°642	29°642	33°7	35°0	29°5	36°0	143	151	74	74	NW 1	NW 4	10	4	0.065	* a. and during day.
28	29°991	29°991	34°0	32°4	30°2	39°1	148	129	75	70	NW 2	Calm 0	1	2	0.020	
29	29°923	29°923	28°0	33°9	22°5	34°0	147	185	96	94	Calm 0	? 1	10	10	0.104	* n. and most of day.
30	29°961	29°961	32°0	33°1	30°4	35°0	170	185	94	98	W 2	Calm 0	8	10	0.130	
Means	29°831	29°831	37°2	36°7	32°9	41°2	180	179	80°7	81°9	2°0	2°1	6°8	6°0	2°309	

DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.

NOVEMBER 1878.

Day.	10 a.m.		10 p.m.		Min.	Max.	10 a.		10 p.		10 a.m.		10 p.m.		10 a.	10 p.	10 a.m.	10 p.m.	Remarks.
	10 a.m.	10 p.m.	10 a.	10 p.			10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.m.	10 p.m.					
1	30°035	30°109	41°1	34°1	33°0	46°0	236	173	92	87	NW 1°8	NW 1°1	9	0	0.301	—	—	—	—
2	29°213	29°266	42°8	35°2	32°3	46°4	243	179	88	86	N 3	NW 0°8	6	6	0.080	—	—	—	—
3	30°208	30°038	44°1	37°0	34°7	44°9	229	191	79	87	NW 2	NW 0°8	9	7	—	—	—	—	—
4	29°782	29°866	41°8	41°4	34°4	44°7	205	208	78	81	NW 1°7	NE 1°6	4	5	0.183	—	—	—	—
5	29°906	29°906	38°2	39°3	36°8	43°0	216	191	94	80	NNW 1°3	NW 3°	7	7	0.010	—	—	—	—
6	29°500	29°622	40°1	36°9	35°0	43°0	212	200	85	91	NW 5	NW 3°2	9	4	0.415	—	—	—	—
7	29°738	29°889	39°8	37°1	34°7	44°1	211	199	87	90	NW 2°1	S 0°7	9	10	0.117	—	—	—	—
8	29°381	29°808	36°9	29°8	29°8	39°4	213	104	97	63	NNW 0°9	NW 1°4	10	0	0.741	—	—	—	—
9	30°106	30°106	38°1	36°1	29°1	41°0	177	169	77	79	NNW 0°7	SW 0°9	2	10	0.036	—	—	—	—
10	29°158	29°158	44°7	40°0	34°3	49°0	242	222	82	90	SW 1°4	WNW 1°1	0	8	—	—	—	—	—
11	29°330	29°220	38°1	29°3	27°1	40°9	159	154	69	95	WNW 3°4	W 2	1	8	0.580	—	—	—	—
12	29°188	29°363	32°2	36°4	28°6	38°8	160	173	88	80	NW 5°5	NW 3	10	5	—	—	—	—	—
13	29°500	29°604	39°1	34°5	34°3	42°8	211	183	89	94	NNW 2°4	NW 1°1	5	0	—	—	—	—	—
14	29°710	29°519	40°2	38°2	32°7	42°8	207	218	84	95	NNW 2	N 1°4	2	10	1.494	—	—	—	—
15	29°400	29°215	40°8	39°6	34°9	42°0	248	243	98	100	NNE 3°6	N 4°5	8	10	1.560	—	—	—	—
16	29°254	29°410	41°4	40°2	38°4	43°5	220	245	85	98	NW 3°5	NNW 3	10	10	—	—	—	—	—
17	29°578	29°863	42°9	43°5	39°2	46°1	258	262	94	93	N 2°9	NE 3	7	9	0.166	—	—	—	—
18	30°143	30°342	43°0	36°0	35°1	47°1	253	208	91	98	N 1°1	N 0°4	7	0	0.018	—	—	—	—
19	29°429	29°447	36°8	35°0	28°5	44°1	201	184	92	90	SW 0°9	SSW 0°9	9	0	—	—	—	—	—
20	29°392	29°302	36°2	34°0	31°6	37°7	201	192	94	98	SSW 1°1	Calm 0	1	0	0.018	—	—	—	—
21	30°195	30°086	34°5	31°8	28°9	35°3	188	171	94	95	SSW 0°4	WSW 0°7	3	10	0.014	—	—	—	—
22	29°975	29°980	35°3	39°4	26°3	39°9	181	228	88	95	SW 1	W 0°4	10	10	0.020	—	—	—	—
23	29°950	29°842	40°8	40°0	38°5	41°6	248	243	98	98	NNW 0°8	NE 1°1	10	10	0.026	—	—	—	—
24	29°647	29°379	34°4	35°3	33°0	40°2	193	203	97	98	SSE 0°5	NW 0°5	10	10	0.316	—	—	—	—
25	29°284	29°406	39°0	32°8	32°3	41°3	222	168	94	90	NW 0°7	SW 0°3	10	0	—	—	—	—	—
26	29°485	29°517	36°7	35°7	28°4	38°4	208	198	96	95	WNW 0°5	NNW 0°9	9	10	0.437	—	—	—	—
27	29°531	29°613	36°2	40°3	33°3	40°6	202	172	94	69	NNW 0°8	NE 4°2	10	5	0.340	—	—	—	—
28	29°831	29°973	41°0	33°6	32°9	42°4	164	148	64	76	NE 3°6	NNW 2	3	7	0.014	—	—	—	—
29	29°935	29°947	32°5	33°7	28°1	36°0	164	159	89	82	S 0°2	S 0°7	8	10	—	—	—	—	—
30	29°967	29°838	34°0	36°3	29°2	37°1	176	203	89	95	S 0°8	SSW 1°4	10	10	0.070	—	—	—	—
Means	29°758	29°753	38°8	36°4	32°5	42°0	208	193	88°2	88°9	1°9	1°5	6°9	6°4	7°414				

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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° 6	37° 0	36° 6	47° 4	ins.	ins.	80	90	N 1	N 1	6	2	ins.	☀ 7p.—7.45p. ● 8.45p.
2	30°085	30°182	42° 2	38° 3	34° 4	46° 7	237	198	80	87	N 1	N 1	1	1	0.002	—
3	276	336	42° 2	38° 3	34° 4	46° 7	202	200	76	87	N 1	N 1	1	1	0.012	—
3	30°259	30°102	43° 1	39° 2	35° 0	46° 0	261	238	93	99	Calm 0	Calm 0	9	7	—	—
4	29°826	29°928	45° 5	40° 3	35° 2	48° 0	252	217	83	88	NNW 3	NNE 3	1	1	—	—
5	986	810	43° 6	45° 0	34° 0	47° 7	215	222	76	74	N 1	NNW 5	1	3	—	—
6	685	760	44° 8	40° 3	39° 9	48° 4	237	200	80	80	NNW 6	N 4	2	1	—	—
7	828	615	44° 5	42° 3	36° 2	47° 4	218	244	73	90	N 1	W 5	2	10	304	☀ 2 from 9p. [9p. and n.
8	29°411	302	39° 3	38° 7	36° 0	43° 8	227	191	95	82	N 3	NW 6	10	8	101	✱ on mountains. ☀ 2 8p. ▲
9	30°149	614	42° 1	47° 0	33° 0	47° 0	234	308	84	96	Calm 0	SSW 8	7	10	710	☀ 2 9p.
10	29°205	212	47° 7	45° 3	43° 6	49° 7	288	250	87	83	W 5	NNW 7-8	5	8	212	☀ 2 9p.
11	490	367	40° 0	33° 5	31° 3	48° 1	174	182	70	94	NNW 4	NNW 4-6	8	8	358	☀ ga. and 0.30p. ✱ 2.30p. < 8p.
12	390	503	37° 3	40° 7	33° 0	48° 1	177	202	79	80	NNW 4-5	NNW 5	9	9	013	[and 9p. ✱ ✱ ▲ n.
13	560	739	42° 5	35° 0	34° 0	45° 7	226	192	83	94	N 4	N 1	4	1	—	—
14	775	698	39° 5	38° 6	33° 0	45° 3	211	196	87	84	N 1	NNW 4	1	1	024	—
15	620	489	42° 2	42° 7	37° 9	44° 0	214	199	81	73	N 6	NNW 6	8	3	155	(force 7) 3p. ✱ later.
16	366	567	42° 3	42° 6	41° 6	46° 2	250	217	92	80	N 5	N 3	10	2	007	—
17	29°701	29°956	43° 8	40° 1	40° 1	47° 2	222	208	77	84	N 5	NNW 3	1	0	—	—
18	30°203	30°325	42° 1	36° 5	36° 5	47° 0	217	210	81	97	NNE 2	Calm 0	2	0	—	—
19	410	427	40° 6	35° 0	34° 0	49° 6	244	204	97	100	Calm 0	Calm 0	9	1	—	—
20	400	340	45° 7	33° 5	32° 5	47° 5	260	186	85	96	Calm 0	Calm 0	8	0	—	—
21	196	30°087	40° 6	41° 6	32° 6	45° 7	242	252	96	96	Calm 0	S 1	10	10	—	—
22	30°004	29°971	40° 6	38° 1	35° 7	43° 2	218	219	87	95	W 1	Calm 0	7	10	—	—
23	29°958	865	40° 1	36° 3	35° 3	43° 5	236	208	95	97	Calm 0	Calm 0	10	5	—	—
24	599	379	39° 9	38° 3	36° 2	40° 0	229	225	94	98	ESE 2	Calm 0	10	10	104	☀ at sea a. ☀ D p. ☀ a. Wind rose to force 4 during observation at ga., but soon fell to force 2 again.
25	330	421	36° 3	30° 0	30° 0	43° 0	203	167	95	100	Calm 0	Calm 0	5	1	020	☀ before ga. ☀ a. and p.
26	492	535	32° 8	35° 3	27° 4	41° 5	186	203	99	98	Calm 0	Calm 0	7	10	007	☀ a.
27	586	29°586	35° 7	39° 0	34° 0	40° 7	196	214	93	90	N 1	NE 5	3	10	174	Mountains covered with ✱. ☀ 5p.
28	866	30°041	40° 5	32° 3	32° 3	42° 1	189	166	75	90	NNE 5	Calm 0	3	0	016	☀ a. [☀ 2 9p. ✱.
29	932	29°878	36° 8	41° 7	39° 0	41° 7	212	256	98	96	Calm 0	E 1	10	7	030	☀ a. ☀ 4p.
30	29°973	29°847	37° 5	44° 2	33° 7	44° 2	220	281	98	97	N 1	W 3	10	10	331	☀ ga. ☀ 2 from 9p.
Means	29°817	29°817	41° 1	38° 9	34° 5	45° 5	223	215	86° 3	90° 3	2° 1	2° 6	6° 0	5° 0	2° 603	

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	°	°	°	°	in.	in.	%	%					ins.	∞ ga.
2	29.971	30.058	38.4	38.0	33.8	47.9	.222	.225	96	98	N 2	N 2	1	1	.160	
3	30.138	.271	39.4	38.0	31.9	48.3	.235	.210	98	92	NNE 1	N 2	8	2	.060	
4	30.186	30.067	38.5	38.8	33.7	46.5	.218	.222	94	95	NW 1	NNW 1	6	7	.003	
5	29.781	29.752	36.4	38.0	33.1	42.4	.197	.210	92	92	NNW 2	NNE 3	9	8	.248	
6	.837	.698	37.7	37.0	34.4	45.9	.214	.189	95	86	NNW 1	NNW 4	9	7	.060	
7	.510	.573	36.4	35.9	33.7	42.7	.169	.204	78	97	NNW 3	NNW 3	9	7	.178	
8	.691	.719	37.5	32.0	31.9	43.4	.214	.167	96	92	NNW 2	SW 1	5	2	.265	
9	29.396	.631	37.6	37.0	31.1	39.4	.219	.184	98	84	S 2	NNW 6	10	10	.425	☼ p.
10	30.088	.993	34.0	36.5	28.8	41.4	.164	.187	83	87	NNE 1	S 3	5	10	.250	☼ p.
11	29.206	.147	45.0	38.8	32.9	45.4	.279	.222	94	95	SW 3	SSW 4	9	3	.138	☼ p.
12	.387	.333	37.5	28.0	28.0	42.6	.197	.153	88	100	WSW 2	NW 1	7	5	.080	☼ p.
13	.200	.493	30.8	32.6	26.9	32.6	.167	.170	96	92	NNW 4	W 1	10	9	.008	☼ p.
14	.490	.570	31.7	39.0	29.1	40.3	.160	.219	90	93	NW 1	NW 1	2	10	.539	☼ p.
15	.612	.458	40.7	39.8	38.5	41.4	.237	.243	93	100	NNE 3	NW 1	10	10	.764	☼ p.
16	.252	.085	41.0	41.4	38.2	41.7	.243	.254	95	98	NW 4	NW 4	10	10	1.340	☼ p.
17	.150	.307	39.1	39.4	38.3	41.7	.232	.233	97	97	NW 3	NNW 3	9	7	.205	☼ p.
18	29.465	29.656	40.2	44.4	38.0	44.4	.244	.267	98	91	NW 3	NNE 5	6	10	.336	☼ p.
19	30.043	30.300	43.0	38.5	37.2	46.4	.257	.225	93	97	NE 2	N 1	8	0	.015	☼ p.
20	.473	.515	32.8	34.7	30.9	40.6	.186	.201	100	100	NNW 1	NNW 1	2	0	.010	☼ p.
21	.474	.367	29.8	29.0	28.9	40.9	.166	.160	100	100	SW 1	SW 1	1	0	—	☼ p.
22	.221	.130	31.8	32.9	28.0	39.5	.174	.185	98	99	NW 1	NW 1	3	3	.004	☼ p.
23	.056	30.026	32.0	29.8	29.8	33.8	.174	.160	96	96	W 1	SW 1	9	0	—	☼ p.
24	30.015	29.928	30.9	31.0	29.0	35.1	.166	.158	95	91	SW 1	ESE 1	8	10	—	☼ p.
25	29.686	.377	35.8	38.0	30.9	38.3	.199	.229	96	100	SE 2	Calm 0	10	10	.500	☼ p.
26	.294	.428	38.2	35.8	35.7	39.8	.231	.210	100	100	WSW 1	WSW 1	10	0	—	☼ p.
27	.487	.518	32.5	33.0	28.8	38.9	.180	.188	98	100	WNW 1	WNW 1	7	9	—	☼ p.
28	.476	.462	33.3	39.9	31.0	40.3	.190	.210	100	86	NW 1	NE 4	9	10	.387	☼ p.
29	.672	.888	39.3	36.2	35.8	40.4	.178	.172	75	81	NE 4	N 2	9	8	—	☼ p.
30	29.948	.961	31.9	28.8	28.8	37.5	.175	.146	97	93	NW 1	Calm 0	5	4	—	☼ p.
Means	29.741	29.752	36.1	35.8	32.1	41.5	.201	.199	93.7	94.3	1.9	2.0	6.9	6.1	6.089	Cold a.

NOTE BY OBSERVER.—This has been the wettest month I have ever recorded.

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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	30.073	30.157	45.7	46.0	34.9	49.2	.229	.208	76	68	E 2	NE 0.8	2	8	.142	Very fine.
2	.261	.334	44.6	43.0	37.7	47.7	.206	.234	70	84	E 2	E 0.2	1	8	.012	Very fine.
3	30.256	30.125	46.8	40.0	39.1	49.2	.251	.226	79	92	E 0.2	E 0.2	8	9	.050	Very fine.
4	29.824	29.872	47.9	44.5	34.3	50.4	.261	.208	79	71	W 1.6	N 4	5	5	—	Very fine.
5	.957	.840	45.0	47.0	43.0	48.1	.215	.235	72	74	N 3	NNW 3	2	8	—	Very fine but cold.
6	.695	.745	45.8	45.4	39.6	47.7	.204	.193	67	64	N 2	N 8	0	6	—	Very fine but cold with ☼.
7	.835	.691	44.6	43.0	42.8	51.3	.201	.234	68	84	N 2	W 2	4	10	.210	Fine till 5 p. then ☼. Milder.
8	29.375	.907	43.0	41.0	39.5	45.1	.197	.136	71	53	NW 2	NNE 10	6	2	.104	☼ and showers with ☼.
9	30.178	.762	44.1	44.0	35.4	46.8	.231	.243	79	84	NW 1	W 5	4	10	.822	Fine till 5 p. then ☼.
10	29.272	.228	46.6	46.0	43.8	52.2	.270	.260	89	85	W 1	W 3	10	10	.630	Squally a. ☼ at night.
11	.546	.417	43.0	37.6	34.6	47.0	.194	.149	70	65	NW 3	N 7	5	10	.460	☼ with ☼ showers after 1 p.
12	.406	.473	40.3	44.1	32.0	44.6	.195	.195	78	67	NW 1	NE 7	10	10	.105	☼ p. disappearing except on hills, a. ☼ with squalls. ☼ after 9.30 p.
13	.557	.712	40.7	44.0	37.6	44.7	.214	.197	84	68	NE 6	N 3	9	1	—	☼ showers a. Squally. Fine but cold p.
14	.774	.668	44.1	43.2	41.7	46.0	.218	.197	75	70	N 1	N 6	0	8	.095	Very fine. Squally at 9 p.
15	.535	.460	44.3	44.2	39.3	44.6	.232	.200	80	69	N 8	N 7	10	10	.360	☼ with squalls till 7 p.
16	.355	.531	44.1	44.8	41.8	45.8	.232	.217	80	73	N 7	N 5	10	2	—	Cold and windy with squalls.
17	29.696	29.919	45.2	45.9	44.0	47.0	.218	.221	73	73	N 7	N 6	10	9	—	Cold and windy with squalls.
18	30.148	30.334	45.1	41.8	41.8	47.2	.253	.235	84	89	NE 6	N 1	4	0	—	Very fine.
19	.449	.487	38.8	37.0	36.4	45.2	.204	.193	87	88	S 0.4	W 0.6	9	0	—	Very fine a. ☼ p.
20	.456	.350	38.4	38.0	33.5	51.0	.186	.197	81	86	SW 0.4	SW 0.6	6	0	—	Very fine a. ☼ p.
21	.211	.116	35.8	34.3	34.0	42.6	.198	.198	95	100	S 0.4	S 0.4	9	2	—	☼ a. Fine. ☼ from 1 p.
22	30.055	30.008	35.7	39.6	30.8	41.3	.191	.205	92	85	S 0.4	S 0.6	9	2	—	☼ clearing off a.
23	29.999	29.871	40.0	38.2	37.4	42.8	.203	.201	82	88	S 0.4	W 0.4	10	9	—	☼ p.
24	.598	.375	36.4	36.6	34.8	38.2	.195	.204	91	95	SE 2	SE 0.6	10	10	.045	☼ showers a. ☼ all day.
25	.356	.442	41.7	36.0	35.9	46.0	.228	.188	87	89	S 0.6	SW 0.6	9	0	—	☼ before ga. Very fine.
26	.508	.539	35.0	38.2	30.8	45.1	.158	.225	77	97	S 0.4	NW 1	0	9	.010	☼
27	.537	.552	40.5	38.6	34.2	43.0	.199	.234	79	100	N 1	NE 4	10	10	.105	☼
28	29.812	.998	41.7	40.6	38.6	44.0	.182	.168	70	66	NE 7	NE 7	9	0	—	☼ ga. Fine but cold and windy.
29	30.004	.881	38.7	40.0	32.4	41.5	.191	.226	82	92	W 1	W 0.6	8	10	.070	☼
30	29.998	29.897	34.4	40.0	32.8	40.3	.193	.226	97	92	W 0.4	W 0.6	10	10	.100	☼
Means	29.824	29.823	41.9	41.4	37.2	45.9	.212	.208	79.8	80.4	2.3	3.1	6.6	6.5	3.320	

BUXTON.

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

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	39°	36°	31°	47°	in.	in.	%	%	N	1	NW	2	4	3	ins.	☼ p.
2	30°049	30°157	39°9	36°3	31°0	47°5	.213	.185	91	87	N	1	N	1	5	2	.030	
3	.210	.334	38°1	32°7	30°0	43°7	.208	.170	90	74	N	1	N	1	5	2	—	☼ p.
4	30°256	30°145	37°0	32°3	29°0	44°1	.184	.162	84	89	NW	1	NW	1	8	2	—	
5	29°818	29°841	39°7	37°1	30°0	43°4	.188	.199	77	90	NW	1	N	1	2	8	—	☼ p.
6	.931	.804	36°9	36°1	34°0	39°4	.183	.176	84	83	NW	1	NW	1	2	8	.080	
7	.649	.686	35°7	35°9	34°0	40°8	.184	.193	88	92	NW	1	NW	1	2	8	—	☼ p.
8	.803	.721	36°3	37°8	33°0	41°8	.174	.192	83	85	NW	2	W	2	4	10	.200	
9	29°404	29°807	37°4	34°0	30°5	42°2	.205	.173	92	89	NW	1	NW	2	7	8	.130	☼ p.
10	30°148	30°027	33°4	34°9	27°7	39°2	.162	.167	85	81	NW	1	W	3	6	10	.970	
11	29°269	29°209	37°3	38°9	34°0	44°4	.205	.173	92	89	W	1	W	2	6	8	.910	☼ p.
12	.462	.392	38°3	30°7	25°2	41°2	.184	.130	80	75	W	1	NW	1	5	10	.350	
13	.326	.443	33°9	36°7	26°8	36°8	.151	.168	77	77	NW	1	NW	1	8	10	.020	☼ before ga.
14	.531	.656	34°1	37°7	31°6	39°0	.155	.173	78	76	NW	2	NE	1	5	10	—	
15	.707	.587	37°7	36°9	34°5	40°7	.183	.174	80	80	N	1	NW	2	6	10	.500	☼ p.
16	.425	.303	38°7	37°8	34°0	39°0	.215	.207	92	91	NW	2	NW	3	10	10	.950	
17	.285	.435	37°9	38°4	36°2	42°2	.201	.200	88	87	N	2	NW	2	10	10	—	☼ p.
18	29°590	29°814	38°9	40°9	37°2	41°2	.217	.215	92	84	N	2	NE	1	6	10	.110	
19	30°101	30°314	40°9	38°8	36°5	44°2	.231	.218	91	93	E	2	NE	1	4	1	—	☼ a. and gp.
20	.504	.539	34°4	31°4	34°5	39°5	.181	.167	90	95	E	1	Calm	0	10	10	—	
21	.460	.393	26°7	25°9	22°6	42°4	.094	.116	66	83	Calm	0	Calm	0	10	10	—	☼ before ga.
22	.243	.212	32°9	31°9	23°8	35°0	.164	.135	58	74	Calm	0	Calm	0	10	10	—	
23	.092	30°053	30°9	32°9	29°2	35°0	.151	.172	87	92	Calm	0	NE	1	10	10	—	☼ before ga.
24	30°023	29°910	35°7	35°7	31°6	40°0	.173	.195	82	94	Calm	0	NE	1	8	10	—	
25	.688	.394	34°7	34°7	31°0	36°0	.179	.184	89	91	NE	1	N	1	10	10	.350	☼ all day.
26	.364	.457	34°9	34°9	27°9	37°0	.185	.185	91	91	Calm	0	NW	1	10	4	—	
27	.548	.562	29°9	28°9	27°6	42°2	.129	.131	78	84	N	1	NW	1	10	2	—	☼ ga. ☼ gp.
28	.532	.523	33°3	34°9	27°2	35°5	.163	.188	86	93	N	1	NE	2	10	10	—	
29	.720	.082	37°4	37°4	31°0	41°0	.146	.146	66	66	NE	2	E	5	8	8	—	☼ a. ☼ p.
30	29°968	.944	31°9	32°3	30°4	40°0	.164	.162	91	89	E	1	SE	1	4	5	—	
30	29°042	29°942	31°7	34°9	31°1	35°6	.158	.185	89	91	Calm	0	NW	1	10	10	—	
Means	29°806	29°818	35°6	35°0	30°7	40°3	.177	.176	84°6	85°6	1°0		1°4		7°0	7°9	4°600	

UPPINGHAM.

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

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	37° 2	37° 5	33° 1	47° 2	in.	in.	92	95	NNW 3	NbyW 3	2	0	ins.	before ga.
2	30° 134	30° 134	37° 2	38° 9	31° 4	47° 1	202	216	94	92	NbyW 2	N 2	8	7	0.016	early a. Sharp squall from NW. [2.45p. U ⁰ gp.
3	30° 213	30° 095	38° 0	36° 7	32° 7	46° 9	203	204	89	94	NNW 2	NbyW 2	9	0	—	a. and gp. [2.45p. U ⁰ gp.
4	29° 810	29° 740	36° 1	36° 1	32° 4	43° 3	203	203	95	95	NNW 2	N 4	2	3	0.048	Wind rising gp.
5	28° 869	28° 757	37° 0	35° 7	33° 9	44° 0	208	180	95	85	NbyW 4	NNW 3	7	4	—	Rough a.
6	28° 514	28° 598	36° 8	36° 4	33° 6	42° 5	166	200	76	93	NbyW 4	NW 4	9	7	—	Very cold day Coloured U ² gp.
7	28° 723	28° 757	37° 3	33° 9	32° 9	44° 2	195	173	88	88	NNW 2	NbyW 2	6	1	0.016	Wind veered to NW, with Δ ² * ²
8	29° 408	29° 651	38° 9	35° 7	32° 2	43° 5	221	182	94	86	SW 3	NNW 9	10	10	0.130	Wind backed at gp. (gale) with [2.2. (gale) from NW. gp. gp.
9	30° 120	30° 038	32° 5	35° 9	29° 2	42° 1	154	186	83	88	NW 2	swbys 4	0	10	0.470	Wind dropped 8a. Bar. 29° 172. Wind * ² p. Hard frost 11p. [WNW. 4.30p.
10	29° 352	29° 217	47° 6	39° 4	35° 6	48° 2	315	230	96	95	WbyS 1	WbyN 3	10	4	0.368	* ² early a. Ugly and cold all day.
11	443	385	39° 8	31° 2	31° 2	42° 4	221	176	91	100	WbyN 3	WbyN 1	9	10	0.048	Very cold. * ² at night.
12	329	414	33° 0	32° 4	28° 9	36° 7	155	158	82	85	W 4	W 1	10	10	—	rough and gusty gp. n.
13	469	544	34° 4	37° 1	32° 2	39° 5	171	203	85	92	NbyW 2	NbyW 4	9	10	0.243	Bar. 29° 162 at 10p. Gusty.
14	586	473	37° 3	38° 0	36° 0	39° 9	215	206	97	90	NbyW 3	NNW 6	10	10	0.260	in sharp squalls early a.
15	292	266	40° 5	39° 9	37° 5	40° 8	235	226	94	92	NbyW 5	NbyW 6	10	10	0.449	from 1p.
16	207	349	38° 4	39° 8	37° 2	43° 7	204	215	88	88	NbyW 5	WNW 4	6	10	0.029	Bar. rising fast gp. D gp. [gp.
17	507	29° 647	39° 2	42° 8	38° 0	44° 2	218	251	91	92	NbyW 2	NW 6	10	10	0.318	Clear 4p. [gp.
18	29° 997	30° 262	41° 6	37° 9	37° 5	46° 8	249	224	95	98	NNE 3	NNE 1	10	0	0.032	a. and gp. [gp.
19	30° 457	29° 496	36° 7	39° 5	33° 0	42° 5	218	243	100	100	Calm 0	Calm 0	10	10	—	on horizon all day.
20	460	358	31° 0	36° 2	30° 2	39° 8	176	195	100	91	Calm 0	SE 0-1	10	8	0.012	all day. Very gloomy.
21	215	130	34° 1	36° 9	30° 2	38° 7	185	201	94	92	NE 2	NE 0-1	10	10	—	all day. Cold.
22	081	30° 050	35° 0	32° 4	31° 9	37° 7	174	167	85	90	swbys 1	WSW 0-1	10	10	—	all day. Cold.
23	30° 028	29° 931	31° 7	31° 9	28° 8	34° 9	157	150	88	83	SW 1	Calm 0	10	10	0.030	all day. Cold.
24	29° 641	30° 333	31° 3	41° 3	31° 5	41° 3	180	260	99	100	E 0-1	SSW 0-1	10	10	0.680	all day. Cold.
25	306	428	38° 7	35° 2	34° 8	49° 9	233	198	99	97	WbyS 1	WNW 1	10	10	—	all day. Cold.
26	490	505	35° 3	35° 8	33° 9	40° 1	197	179	96	85	WbyS 1	NW 2	9	8	—	all day. Cold.
27	466	407	34° 0	38° 9	32° 0	39° 2	196	225	100	95	WbyW 1	NNE 4-5	10	10	0.368	all day. Cold.
28	612	853	39° 0	34° 5	33° 8	41° 9	185	172	78	85	NE 7	NE 4	10	4	—	all day. Cold.
29	29° 956	29° 941	30° 9	32° 8	30° 0	38° 1	158	155	93	83	NbyE 1	NNW 1	4	4	—	all day. Cold.
30	30° 005	29° 955	32° 0	34° 5	31° 0	35° 0	155	182	86	91	Calm 0	SW 2	10	10	0.027	all day.
Means	29° 756	29° 765	36° 5	36° 5	32° 9	42° 1	199	199	91° 4	91° 3	2° 3	2° 7	8° 3	7° 3	3° 544	

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

NOVEMBER 1878.

1	30° 016	30° 119	36° 3	39° 3	31° 8	47° 1	190	221	89	92	NNW 2	NNW 3	9	9	—	all day.
2	188	315	35° 2	36° 5	32° 0	46° 8	202	204	98	95	NW 2-3	NNE 1-2	10	0	—	all day.
3	30° 244	30° 119	38° 0	35° 1	32° 5	45° 7	203	201	89	98	NW 2	NNW 2	9	7	0.010	all day.
4	29° 836	29° 780	37° 0	37° 0	31° 7	46° 0	202	200	92	91	NNW 1	N 4	1	0	—	all day.
5	919	804	36° 3	35° 3	33° 4	41° 9	190	183	89	89	NNW 3-4	NW 3-4	4	1	—	all day.
6	623	658	37° 0	36° 7	34° 0	45° 3	167	193	76	89	NW 3	NW 4	9	1	—	all day.
7	787	761	37° 0	34° 5	34° 1	44° 5	182	188	83	94	NNW-NW 4	W 1	0	9	0.020	all day.
8	29° 399	29° 797	38° 2	34° 0	33° 7	43° 9	228	160	99	81	SW 2	NW 6-7	9	1	0.070	all day.
9	30° 167	29° 984	35° 8	38° 1	31° 0	42° 1	172	189	81	82	NW 2	SSW-S 5	1	10	0.700	all day.
10	29° 334	29° 228	46° 0	39° 9	38° 1	47° 8	311	229	100	94	WSW 0-1	SW 3-4	10	7	0.490	all day.
11	517	417	35° 8	30° 9	30° 5	43° 6	199	158	95	92	W 2	W 2	2	9	0.160	all day.
12	381	431	31° 7	33° 7	30° 8	36° 0	151	180	85	92	SW 4	Calm 0	10	8	—	all day.
13	503	598	34° 3	35° 9	31° 0	41° 8	170	194	85	92	N 2	N 2	9	9	—	all day.
14	656	557	33° 8	35° 7	32° 6	41° 1	176	185	90	88	N-NNW 3	NNW 5-6	1	9	0.180	all day.
15	385	286	39° 8	39° 6	35° 4	39° 9	234	227	96	93	NNW 4	NW 7	10	10	0.430	all day.
16	290	423	39° 2	40° 2	38° 6	45° 0	218	222	91	89	NW 3	NW 4	9	10	—	all day.
17	29° 576	29° 757	40° 2	42° 1	39° 1	44° 2	220	228	89	85	NNW 5	NW 7	10	10	—	all day.
18	30° 055	30° 286	41° 8	40° 5	39° 0	46° 7	229	241	87	96	NNE 2	NE 2	9	9	—	all day.
19	464	505	39° 0	36° 1	35° 3	41° 9	238	211	100	99	NE 1	NE 0-1	10	2	0.010	all day.
20	467	358	35° 0	33° 9	33° 3	37° 8	204	195	100	100	Calm 0	NW 0-1	10	10	—	all day.
21	224	132	32° 0	36° 7	28° 8	37° 7	182	202	100	93	NNW 2	S 0-1	10	10	—	all day.
22	077	30° 051	34° 6	31° 8	31° 5	37° 6	173	163	86	91	SW 1	SSE 1	10	10	—	all day.
23	30° 025	29° 914	32° 2	32° 5	30° 0	37° 5	174	173	95	94	SSE 1	SSE 0-1	10	9	0.180	all day.
24	29° 614	29° 354	32° 5	35° 0	31° 8	35° 8	185	204	100	100	NNE 1	NNE 1	10	10	0.310	all day.
25	348	450	36° 1	36° 4	34° 2	45° 4	211	205	99	95	NW 1	WNW 1-2	10	4	—	all day.
26	527	524	32° 3	32° 7	31° 0	40° 8	180	172	98	92	N 1	N 1	9	0	—	all day.
27	497	458	31° 6	36° 0	29° 9	36° 6	179	208	100	98	N 1	N 2	10	10	0.190	all day.
28	657	914	38° 3	33° 8	33° 3	39° 9	177	158	77	81	NNE 6-7	NNE 4	9	9	—	all day.
29	29° 996	29° 934	30° 9	34° 6	28° 4	39° 0	142	187	81	93	NW 2	Calm 0	9	9	—	all day.
30	30° 005	29° 953	32° 0	35° 0	31° 3	37° 0	175	204	96	100	Calm 0	SW 1	9	10	0.090	all day.
Means	29° 793	29° 796	36° 0	36° 0	32° 9	41° 9	195	196	91° 5	92° 3	2° 2	2° 6	8° 2	7° 1	2° 840	

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	30° 12	30° 8	32° 0	45° 6	in.	in.	90	91	N 1	NW 2	6	4	ins.	☼ in valley. ☼ ga.
2	30° 102	30° 212	34° 9	30° 8	31° 0	43° 1	183	220	90	92	N 3	N 2	10	3	0.040	
3	30° 303	30° 153	38° 8	32° 9	30° 0	46° 1	218	187	93	100	NNW 2	NNW 1	5	1	0.002	
4	29° 877	29° 864	39° 8	30° 1	29° 0	46° 1	226	199	93	84	NW 3	NW 3	8	10	—	☼ gp. Dull and mild.
5	30° 001	29° 870	38° 7	36° 9	32° 0	44° 1	199	193	85	89	N 1	N 1	6	4	0.015	☼ before ga. ☼ a. Mild a. Cold p.
6	29° 713	29° 766	36° 9	37° 8	35° 0	43° 1	193	189	89	84	NW 4	NW 2	8	7	0.003	☼ ga. Cold and gloomy. ☼ p.
7	29° 856	29° 768	38° 8	38° 1	35° 0	46° 8	199	204	84	89	N 1	NNW 2	4	7	0.425	☼ 10a. to Noon. ☼.
8	29° 456	29° 927	38° 5	35° 9	33° 0	42° 1	221	159	95	76	W 2	N 5	6	3	0.090	☼ p. Cold and gloomy.
9	30° 204	30° 932	37° 8	39° 8	32° 0	45° 1	190	226	84	93	WNW 2	S 5	3	10	1.180	☼ p. Cold and gloomy.
10	29° 350	29° 494	43° 8	41° 8	38° 0	52° 1	265	234	93	89	SW 1	SW 5	10	8	0.525	☼ n. Cold and gloomy.
11	29° 577	29° 497	39° 3	31° 9	30° 0	43° 8	176	150	74	83	W 4	W 3	4	7	0.273	☼ p. ☼ Bitterly cold.
12	29° 451	29° 518	28° 6	35° 9	23° 3	38° 4	151	190	96	91	W 1	NW 2	7	8	0.013	☼ before ga. (2 ins. deep). ☼
13	29° 580	29° 666	35° 4	38° 8	33° 7	41° 1	186	204	91	87	WNW 1	NW 2	4	8	—	☼ gp.
14	29° 704	29° 670	38° 8	36° 4	33° 5	42° 1	193	185	82	87	NW 2	NW 2	3	10	0.230	☼.
15	29° 481	29° 432	40° 8	39° 8	36° 0	41° 1	235	217	93	89	N 5	N 7	10	10	0.477	☼.
16	29° 368	29° 544	39° 8	40° 7	38° 7	45° 1	213	209	88	83	WNW 2	NNW 4	10	10	0.005	☼ gp. Mild.
17	29° 678	29° 897	41° 8	43° 8	40° 0	44° 6	215	218	82	76	WNW 3	W 3	7	10	0.023	☼.
18	30° 205	30° 350	42° 8	37° 8	37° 7	45° 1	220	215	80	95	N 2	N 1	7	4	—	☼ a. and p. Mild.
19	29° 516	29° 579	36° 2	32° 2	31° 0	41° 1	207	158	97	88	N 1	N 1	10	5	—	☼ all day. Golden sunset.
20	29° 507	29° 408	29° 9	30° 9	27° 0	35° 0	166	173	100	100	N 1	SSE 1	4	10	—	☼ all day.
21	29° 188	29° 170	30° 9	33° 9	25° 0	34° 7	173	173	100	89	N 1	SSE 2	10	10	—	☼ all day.
22	29° 130	29° 072	31° 9	33° 9	30° 0	35° 0	167	179	93	92	SSE 1	N 1	10	10	—	☼ all day. Very gloomy.
23	30° 022	29° 910	32° 6	34° 9	29° 0	38° 0	180	168	97	83	NE 1	NE 2	10	10	0.130	☼ all day. Cold.
24	29° 642	29° 399	32° 6	32° 2	31° 0	36° 0	180	182	97	100	N 2	NNW 2	10	10	0.395	☼ a. and p.
25	29° 411	29° 492	34° 6	29° 9	29° 0	40° 1	192	166	96	100	NNW 1	NNW 2	5	4	0.015	☼ a. p.
26	29° 555	29° 588	26° 9	28° 9	24° 3	39° 1	146	159	100	100	SSE 1	SW 1	4	3	—	☼ lying.
27	29° 552	29° 566	32° 2	34° 9	26° 3	36° 0	159	196	88	97	NNW 2	NNW 1	10	10	0.195	☼ lying.
28	29° 780	29° 928	35° 9	33° 9	32° 0	39° 4	164	139	78	71	NNE 3	NNE 4	7	4	0.003	☼ before ga. ☼ Cold.
29	30° 042	30° 939	34° 9	35° 9	28° 0	39° 6	155	190	83	91	W 1	NE 3	4	10	0.035	☼ a. Wind changed to S. sp. Warmer.
30	30° 053	30° 945	33° 9	33° 2	32° 0	38° 8	195	176	100	94	NNW 1	W 1	10	8	0.055	☼ a. and p. ☼ Mild. ☼ p.
Means	29° 851	29° 860	35° 7	36° 0	31° 5	41° 6	192	189	90° 5	89° 4	1° 9	2° 4	7° 1	7° 3	4° 129	

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	30° 5	30° 5	35° 2	47° 1	ins.	ins.	95	91	NW 1	NW 3	8	4	—	▲ 2p. < at night.
2	29° 921	30° 009	30° 5	30° 5	34° 0	49° 1	202	233	95	91	NW 3	NW 3	7	10	0.020	
3	30° 087	30° 217	30° 5	30° 5	34° 0	49° 1	186	227	87	93	NW 3	NW 2	7	10	0.020	
4	30° 168	30° 048	30° 8	30° 8	34° 1	47° 1	187	186	87	93	NW 2	NW 2	7	6	—	
5	29° 788	29° 715	30° 9	30° 9	33° 6	41° 1	197	214	90	95	NW 1	NW 3	10	4	0.130	
6	799	651	38° 3	38° 3	43° 4	43° 4	218	230	94	81	N	NW 4	7	7	0.010	
7	531	544	38° 1	37° 8	35° 3	43° 4	169	213	73	94	NW 4	NW 4	8	5	0.050	
8	675	754	38° 8	36° 4	33° 2	45° 3	199	183	84	87	NW 5	NW 2	5	0	0.300	
9	29° 435	532	41° 0	37° 8	32° 0	44° 1	239	188	94	83	SW 3	NW 7	10	10	0.410	(gale) with * at night.
10	30° 083	995	34° 6	38° 6	31° 2	43° 7	166	194	82	83	NW 2	SW 1	5	10	0.630	Windy a. * gp.
11	29° 415	247	40° 3	41° 1	37° 6	50° 3	318	234	91	91	SW 6	SW 4	10	0	0.050	* 2 all day.
12	438	363	40° 3	36° 6	33° 4	44° 7	219	197	88	91	SW 3	W 2	8	7	—	* at night.
13	358	404	34° 3	30° 6	30° 5	44° 1	152	155	76	92	SW 2	NW 1	8	10	0.030	* p.
14	424	476	33° 2	38° 8	29° 2	39° 0	176	231	94	99	NW 2	NW 1	10	10	1.310	* 0 0
15	484	370	42° 4	38° 1	37° 2	43° 9	262	202	97	88	N	NE 4	10	10	1.080	* 2 from noon; * at times with 0.
16	213	106	41° 6	41° 6	37° 5	41° 9	245	245	94	93	N	NW 6	10	10	0.010	* 2 at night.
17	195	366	40° 2	41° 6	40° 0	45° 1	213	230	86	93	NW 4	NW 4	8	10	0.230	
18	405	29° 534	40° 9	44° 1	40° 3	44° 9	222	275	87	95	NW 3	NW 6	7	10	0.010	Clear and cold at night.
19	29° 935	30° 270	41° 6	35° 1	35° 0	47° 1	256	202	97	99	NW 1	NE 1	10	0	—	* most of day and night.
20	30° 417	464	32° 4	34° 2	30° 7	36° 2	179	197	98	100	Calm	Calm	0	10	0	* a.
21	417	269	37° 6	39° 6	33° 5	41° 5	219	208	98	85	NW 1	NW 1	10	10	—	
22	147	081	38° 6	38° 9	37° 0	43° 2	214	229	92	97	NE 1	Calm	0	10	10	
23	055	30° 032	37° 3	35° 9	35° 3	39° 2	208	174	94	83	Calm	Calm	0	10	0.040	
24	30° 017	29° 886	34° 2	35° 4	30° 8	40° 3	185	190	94	92	Calm	SE 1	8	10	0.180	
25	29° 594	374	37° 6	49° 6	34° 3	49° 6	218	356	97	100	SE 1	SE 1	10	10	0.020	
26	300	415	51° 0	37° 6	37° 3	53° 1	342	215	92	95	SW 1	NE 1	7	10	0.120	
27	466	468	38° 3	38° 6	36° 9	40° 0	221	218	96	93	Calm	NE 2	10	10	0.600	
28	428	321	34° 6	41° 6	34° 6	41° 6	194	256	97	97	NW 2	NE 4	10	10	0.020	* 0 most of day.
29	531	767	40° 6	39° 0	38° 3	42° 1	236	188	93	80	NE 4	NE 4	10	10	—	
30	894	931	31° 7	25° 0	25° 0	39° 1	174	191	98	97	N	NW 1	6	0	0.010	* 0 0 p.
Means	29° 712	29° 718	37° 9	38° 1	35° 9	43° 5	211	212	91° 1	91° 7	2° 2	2° 4	7° 8	5° 270		

CARMARTHEN.

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

NOVEMBER 1878.

1	30° 052	30° 175	44° 1	38° 3	34° 3	50° 4	237	219	81	95	Calm	Calm	0	3	0	0.200	< 7p.—8p. D ² gp.	
2	239	360	42° 9	34° 8	33° 9	48° 2	230	196	83	97	N	N	2	3	0	—		
3	30° 281	30° 122	39° 0	41° 1	30° 0	48° 0	225	258	95	100	E	NW	1	5	8	0.070		
4	29° 866	29° 853	42° 3	37° 4	37° 2	48° 9	270	219	100	98	SW	NW	1	0	9	0.010	D ² gp.	
5	975	845	42° 3	43° 1	36° 8	50° 7	220	256	82	92	N	W	1	0	9	0.180	D ² ga.	
6	718	738	41° 2	39° 9	38° 8	50° 0	248	224	96	91	N	N	1	10	3	0.230		
7	850	29° 740	44° 9	35° 7	34° 5	53° 7	232	209	78	100	Calm	NW	1	0	9	0.300	in shade ga.	
8	29° 446	30° 052	40° 9	35° 5	34° 3	46° 5	249	199	98	97	NW	NW	1	5	5	0.360	Squalls p.	
9	30° 253	29° 702	43° 5	48° 6	38° 8	50° 0	222	340	79	100	W	SW	6	2	10	1.420	Frequent ▲ ● • R 2.45p. Squa	
10	29° 321	318	46° 3	45° 4	42° 7	54° 1	312	285	98	94	W	NW	2	10	7	0.140	* ● 2 before ga. [gp.]	
11	647	521	43° 6	33° 1	32° 8	47° 6	232	188	81	100	NW	NW	1	1	10	0.190	* 0 gp.	
12	445	471	30° 9	39° 9	29° 0	42° 3	156	225	91	92	E	N	1	5	3	—	< 8p.—9p.	
13	545	660	45° 4	39° 5	33° 8	47° 9	237	220	79	91	N	N	2	Calm	0	—		
14	738	652	44° 9	38° 0	34° 2	48° 0	223	208	75	91	N	3	Calm	0	0	0.080		
15	512	461	43° 2	44° 9	34° 9	46° 1	261	231	93	78	N	4	N	5	10	9	0.500	Squalls gp.
16	403	531	40° 9	42° 9	39° 5	47° 2	245	237	96	86	NW	N	3	10	0	0.030		
17	29° 694	29° 894	46° 9	43° 9	39° 7	49° 4	256	237	75	82	N	3	N	3	1	3	—	
18	30° 093	30° 302	46° 7	39° 3	39° 3	50° 7	256	222	81	93	N	2	Calm	0	0	—	ga.	
19	466	493	43° 3	34° 5	33° 6	49° 6	229	199	85	100	Calm	Calm	0	0	0	—	ga.	
20	470	333	32° 1	33° 1	30° 1	45° 0	182	188	100	100	E	NE	2	10	5	—		
21	196	107	36° 0	36° 0	32° 0	41° 7	197	192	94	91	Calm	Calm	0	6	10	—		
22	086	30° 040	36° 0	35° 8	33° 5	42° 7	196	200	93	96	Calm	Calm	0	4	10	—		
23	30° 013	29° 809	32° 1	35° 4	30° 2	41° 3	174	188	96	92	E	NE	2	10	10	0.270		
24	29° 519	303	35° 8	38° 8	33° 3	39° 5	210	236	100	100	E	2	E	1	10	0.420	gp.	
25	409	439	38° 2	32° 9	32° 9	45° 0	226	187	98	100	Calm	Calm	0	10	10	—	gp.	
26	519	523	31° 1	31° 9	25° 7	40° 1	174	180	100	100	Calm	Calm	0	0	0	0.020	gp.	
27	523	499	39° 6	33° 9	30° 3	44° 1	200	186	82	96	N	N	1	5	4	0.080	gp.	
28	29° 707	945	39° 7	36° 5	33° 7	42° 1	192	170	78	79	N	2	N	3	10	0	—	
29	30° 047	877	33° 9	40° 3	32° 0	42° 1	178	250	91	100	Calm	Calm	0	4	10	0.120		
30	30° 008	29° 940	36° 0	38° 2	33° 8	42° 4	212	231	100	100	Calm	Calm	0	7	10	0.060		
Means	29° 835	29° 824	40° 1	38° 3	34° 0	46° 5	222	219	89° 3	94° 4	1° 2	1° 2	5° 0	5° 2	4° 680			

MARLBOROUGH.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	30° 9	30° 2	35° 4	48° 3	in.	in.	97	94	Calm	o	NW 1	4	0	ins.			
2	29° 990	30° 108	30° 9	30° 2	35° 4	48° 3	211	225	97	94	Calm	o	Calm	o	1	0	—		
3	30° 187	310	37° 1	36° 6	32° 3	43° 2	199	203	90	94	Calm	o	Calm	o	9	0	—		
4	30° 278	30° 122	35° 3	33° 0	31° 2	46° 9	196	179	95	96	Calm	o	Calm	o	9	0	—		
5	29° 860	29° 761	37° 7	39° 2	30° 0	47° 0	210	212	93	88	Calm	o	N 1	10	0	0.004	a. —		
6	894	825	37° 1	34° 0	34° 0	44° 6	193	177	88	90	N 1	N 1	1	1	0	—	—		
7	670	665	38° 2	39° 4	31° 5	45° 7	168	204	73	85	NW 1	Calm	o	3	2	—	—		
8	862	842	37° 1	30° 4	30° 4	47° 6	184	154	84	91	N 1	Calm	o	0	1	0.271	—		
9	29° 480	29° 813	35° 1	36° 6	30° 4	43° 9	198	177	97	82	SW 1	W 1	9	3	0.040	—	—		
10	30° 203	30° 111	36° 6	38° 3	31° 8	48° 3	181	181	84	78	Calm	o	W 1	1	10	10	—		
11	29° 485	29° 334	49° 1	41° 7	38° 0	50° 9	330	246	95	93	SW 3	W 1	10	10	0.800	—	—		
12	575	456	39° 7	35° 5	35° 5	46° 8	216	194	88	95	W 1	Calm	o	7	6	0.113	—		
13	482	337	30° 9	32° 1	28° 6	37° 1	150	158	87	87	Calm	o	Calm	o	9	10	—	—	
14	490	560	33° 5	37° 2	31° 5	38° 9	163	200	85	90	Calm	o	Calm	o	8	10	0.413	—	
15	620	563	35° 9	34° 6	34° 2	41° 9	200	180	96	90	N 1	Calm	o	10	2	0.260	—	—	
16	388	338	38° 5	38° 9	34° 2	41° 7	217	223	94	95	NW 1	NW 1	10	10	0.390	—	—		
17	346	453	40° 2	38° 3	37° 3	43° 6	216	204	87	88	Calm	o	W 1	10	10	—	—	—	
18	602	29° 739	40° 5	42° 0	38° 1	44° 0	215	233	86	84	W 1	W 3	10	9	0.030	—	—	—	
19	29° 995	30° 250	42° 6	40° 6	37° 3	46° 1	249	234	91	93	N 1	N 1	10	9	—	—	—	—	
20	30° 460	510	37° 6	37° 7	32° 1	44° 5	224	226	100	100	Calm	o	Calm	o	10	—	—	—	
21	446	319	37° 0	37° 7	36° 6	41° 8	216	204	98	90	Calm	o	N 1	9	10	—	—	—	
22	195	125	36° 8	37° 3	35° 9	39° 9	188	211	88	94	NE 1	N 1	9	10	—	—	—	—	
23	097	30° 077	35° 8	35° 5	34° 8	38° 3	177	176	85	85	Calm	o	Calm	o	10	—	—	—	
24	045	29° 010	27° 0	33° 5	25° 0	37° 1	140	177	96	93	Calm	o	Calm	o	10	—	—	—	
25	567	319	35° 8	51° 0	33° 2	51° 7	206	371	68	99	Calm	o	SW 2	10	10	0.100	—	—	
26	364	450	42° 3	37° 7	35° 2	52° 0	254	210	95	93	W 1	Calm	o	10	10	0.140	—	—	
27	510	510	37° 0	35° 2	35° 1	49° 9	214	219	97	96	Calm	o	Calm	o	10	—	—	—	
28	482	427	34° 0	34° 8	33° 9	39° 0	189	198	97	98	Calm	o	N 1	10	10	0.038	—	—	
29	574	839	38° 6	36° 1	34° 4	40° 2	199	180	86	85	NE 2	NW 2	10	10	—	—	—	—	
30	001	975	30° 0	34° 1	29° 2	39° 9	152	180	92	91	NW 1	Calm	o	2	10	0.350	—	—	
31	019	29° 987	33° 8	36° 1	33° 2	39° 1	192	191	99	90	Calm	o	Calm	o	9	10	0.030	—	—
Means	29° 804	29° 801	36° 9	37° 1	33° 3	43° 6	202	203	91° 4	90° 9	o° 6	o° 6	7° 4	6° 7	3° 629	—	—	—	

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	43°	44°	36°	49°	in.	in.	88	88	NW 1	NW 1	6	5	ins.	T 2.30p. U 6.30p. < 6.45p.
2	29° 928	30° 000	43°	44°	36°	49°	266	255	93	88	W 4	W 4	9	3	145	a. Very < 2 6p.-8p. (K at Deal.)
3	30° 083	30° 201	40°	41°	33°	47°	222	204	89	83	W 4	NW 1	5	7	—	h
4	30° 190	30° 064	40°	43°	38°	45°	213	247	84	88	W 4	NW 1	5	7	—	h
5	29° 821	29° 631	37°	40°	35°	43°	212	236	95	92	W 2	NW 4	10	5	800	h before 9a. ● 2
6	763	706	39°	41°	35°	45°	217	218	89	85	N 3	NW 6	8	10	230	Very Δ 2 5.45a., with 2. Δ p.
7	524	561	39°	41°	37°	43°	192	226	81	88	NW 6	NW 4	6	5	020	Squalls 9a. Δ 9p. [Squally 9p.]
8	771	830	40°	42°	37°	47°	218	203	87	92	NW 6	W 1	5	0	—	h with squalls a. Δ 9p.
9	29° 548	29° 484	45°	48°	32°	45°	251	207	83	90	SW 4	SW 7	10	10	588	h with squalls p. ● 2
10	30° 103	30° 195	36°	37°	33°	44°	176	189	81	87	W 5	W 2	2	9	060	h with squalls a. and p. Δ 9p.
11	29° 608	29° 368	47°	44°	36°	50°	301	247	91	83	SW 8	SW 6	10	0	155	Squalls all day. (sudden gale) during the day.
12	484	423	40°	42°	35°	45°	230	225	92	85	W 5	SW 6	6	10	030	h with squalls a and p.
13	460	415	34°	43°	31°	43°	167	214	81	77	SW 1	NW 1	3	10	—	h
14	388	498	43°	42°	39°	45°	260	255	91	94	E 2	Calm	0	10	300	h 9p. ● 2
15	398	397	45°	40°	39°	47°	233	218	78	88	NE 3	Calm	0	10	380	h before 9a. and at 3p. ● 2
16	236	126	39°	40°	39°	42°	236	243	98	97	W 2	SW 5	10	10	1250	Squalls p. ● 2
17	247	402	41°	39°	37°	44°	220	226	84	95	SW 5	Calm	0	10	050	h
18	511	29° 552	41°	43°	38°	44°	247	268	95	95	SW 2	SW 6	10	10	150	h with squalls p.
19	29° 918	30° 218	45°	45°	42°	48°	244	248	80	83	NE 3	NE 5	4	4	—	h
20	30° 403	30° 403	40°	40°	39°	42°	233	218	78	88	NE 3	NE 4	0	10	—	h 9a.
21	402	280	42°	42°	41°	46°	217	225	79	82	NE 4	NE 4	8	10	—	h
22	131	077	43°	41°	39°	44°	228	213	81	84	NE 4	NE 2	8	7	—	h
23	080	30° 094	41°	37°	36°	42°	208	199	81	90	NE 1	SW 3	8	5	—	h 9p.
24	30° 075	29° 957	37°	36°	33°	38°	195	191	86	90	S 2	SE 3	10	10	025	h
25	29° 647	29° 493	40°	45°	36°	48°	231	322	92	95	SE 2	S 5	10	10	050	Squalls 9a.
26	398	456	50°	43°	42°	52°	343	266	94	96	S 6	S 1	10	10	—	h a. and p.
27	497	453	42°	44°	41°	45°	258	294	95	99	NW 1	NW 3	10	10	460	h with squalls p.
28	377	274	43°	46°	41°	47°	275	317	98	100	NW 1	Calm	0	10	250	h with squalls a. and p.
29	467	739	44°	42°	41°	47°	261	225	90	84	N 6	NE 6	10	10	140	Squalls a. and p.
30	29° 852	29° 976	39°	35°	34°	43°	190	170	79	82	NW 4	NW 2	6	1	—	h 9a. —, Δ. Very severe frost.
Means	29° 745	29° 745	41°	41°	37°	45°	231	233	87°	88°	3°	3°	7°	7°	5°	8°

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29° 949	30° 089	42°	40°	35°	44°	228	220	85	87	NE 3	N 2	9	2	—	Fine, with cold wind.
2	30° 162	30° 278	41°	37°	36°	47°	200	205	77	92	N 2	W 1	0	0	—	Beautiful day.
3	30° 255	30° 099	36°	41°	32°	45°	193	215	89	84	NW 1	N 1	4	10	—	h early a.
4	29° 854	29° 723	37°	41°	32°	47°	203	210	91	81	N 0-1	N 3	10	6	—	h a. Raw cold day.
5	851	807	40°	38°	36°	47°	197	197	78	84	N 4	NW 1	6	0	—	h
6	650	636	41°	41°	35°	45°	178	206	68	78	NW 2	NW 2	9	6	—	h
7	788	840	39°	33°	34°	45°	186	174	78	89	NW 2	SW 0-1	1	2	107	Beautiful day. — at night.
8	29° 449	29° 810	40°	39°	33°	47°	214	163	85	68	NW 1	NW 5	9	4	015	h
9	30° 216	30° 117	39°	41°	33°	44°	181	182	74	70	NW 1	SW 1	0	10	525	Beautiful day.
10	29° 535	29° 339	50°	43°	39°	51°	340	249	91	89	SW 7	SW 1	10	1	545	h a.
11	588	469	43°	38°	40°	52°	201	196	72	85	NW 3	W 3	5	8	044	Beautiful day. ● 6p.-7p.
12	472	384	33°	36°	31°	45°	147	159	78	74	NW 0-1	NE 3	10	10	—	h a.
13	437	511	36°	38°	32°	37°	170	216	78	92	N 3	N 3	9	10	243	h
14	557	515	39°	38°	36°	39°	218	181	91	79	N 3	N 5	10	9	104	h
15	364	316	39°	40°	37°	42°	220	215	91	86	NW 2	NW 5	10	10	302	Cold ● all day.
16	345	437	41°	38°	39°	43°	205	199	78	87	NW 2	NW 1	9	0	—	h
17	594	29° 732	42°	44°	36°	44°	211	216	79	73	NW 1	NW 4	9	10	—	h
18	29° 962	30° 219	44°	41°	41°	45°	247	227	84	89	NW 2	NE 3	9	0	—	h
19	30° 422	470	38°	37°	36°	47°	215	216	94	96	NE 2	NE 2	10	10	—	h p.
20	409	284	40°	37°	35°	40°	216	189	85	83	NE 1	NE 2	10	8	—	h
21	158	101	38°	40°	36°	43°	187	194	79	78	NE 2	NE 1	9	10	—	h
22	083	30° 059	39°	37°	38°	41°	183	172	76	77	NE 0-5	NW 1	10	9	—	h
23	30° 022	29° 863	40°	39°	36°	40°	192	205	77	86	SE 1	SE 2	8	10	060	h a. Disagreeable day.
24	29° 530	370	44°	51°	36°	44°	277	349	96	91	SE 1	SW 4	10	10	140	h
25	376	433	40°	40°	43°	52°	285	213	90	84	NW 1	NE 1	10	10	101	Fine and mild. ● at night.
26	491	460	39°	39°	38°	47°	224	205	92	84	NE 1	NE 2	10	10	044	h
27	420	364	37°	37°	37°	40°	183	206	92	92	NE 3	N 3	10	10	190	h
28	511	788	41°	39°	34°	41°	220	176	84	74	NE 5	NE 6	10	10	035	h
29	969	962	33°	33°	31°	41°	159	173	84	89	NW 1	SE 0-5	2	10	027	h
30	29° 993	29° 970	37°	36°	32°	39°	195	190	87	89	NE 1	Calm	0	10	038	h
Means	29° 780	29° 782	40°	39°	36°	44°	209	204	83°	83°	2°	2°	7°	7°	2°	5°

HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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°	40°	38°	45°	in.	in.	93	93	NNE 3	NNE 4	10	1	ins.	
2	29° 922	30° 021	40°	40°	34°	45°	238	236	94	93	NNE 4	N 5	0	0	020	< in E. 8p.
3	30° 101	30° 207	38°	41°	34°	46°	188	233	82	92	N 2	NNW 0-1	9	1	—	Cold.
4	29° 840	29° 663	38°	38°	33°	42°	201	209	86	89	W 2	N 4-5	8	1	075	Cold. ● 2.
5	744	738	38°	37°	37°	45°	204	197	87	85	N 4	N 4	5	7	010	
6	588	568	38°	40°	35°	42°	175	221	76	88	NW 1	N 3	10	10	—	* ● at night.
7	698	815	37°	35°	34°	46°	194	192	86	91	N 5	NNW 1	0	0	015	[2 (NW.) p.
8	29° 532	29° 577	48°	37°	33°	48°	254	212	74	94	SSW 6-7	NW 6-7	10	10	300	(moderate SW. gale), with ● a.
9	30° 145	30° 178	35°	39°	33°	44°	164	201	78	82	NNW 4	W 0-1	0	10	130	Very watery moon. U p. Δ 9p.
10	29° 626	29° 376	48°	45°	39°	50°	312	246	94	80	SSW 8	WSW 6	10	1	310	h with ● till late aft. Bar. 29° 305. [4p. Roar of sea distinct 9p.
11	523	462	41°	39°	38°	47°	232	218	89	92	WSW 2	W 3	10	10	050	Roar of sea distinct.
12	496	375	33°	41°	31°	42°	155	227	80	88	WSW 4	NE 4-6	4	10	480	
13	362	455	35°	39°	34°	42°	197	241	94	99	NNE 6	N 3	10	10	570	
14	418	418	42°	37°	36°	43°	254	212	94	94	N 5	N 3	10	10	400	
15	284	215	38°	39°	37°	41°	225	228	96	93	W 2	W 5	10	10	365	Very wet day.
16	283	408	41°	37°	36°	44°	231	205	86	93	W 3	NW 1	10	0	050	
17	527	29° 612	40°	43°	35°	43°	235	245	94	86	NW 1	W 3	8	10	180	
18	29° 877	30° 165	44°	41°	40°	47°	244	244	84	95	NE 6	NE 4	4	3	040	< in NE. 6.30p. ● 2 8p.
19	30° 377	420	39°	42°	37°	47°	229	221	94	83	NNE 3	NE 4	0	9	—	
20	378	254	41°	41°	39°	43°	207	216	79	84	NE 5	NE 5-6	10	10	—	
21	115	067	41°	40°	38°	43°	215	227	83	93	NE 5	N 2	9	10	—	
22	072	30° 076	38°	38°	37°	41°	195	193	84	84	NNE 2	Calm	0	9	10	—
23	30° 062	29° 935	37°	38°	35°	38°	193	198	87	85	S 0-1	E 1	10	10	060	
24	29° 616	468	42°	41°	38°	51°	263	338	97	90	S 2	S-SSW 3	10	10	200	
25	402	410	50°	43°	43°	51°	352	267	95	93	SSW 3	NNE 3	10	10	065	
26	484	425	41°	41°	39°	44°	238	250	93	98	NE 1	NNE-NNE5	10	10	390	
27	371	267	38°	41°	38°	41°	227	256	96	97	NNE 5-6	NNE 5	10	10	220	
28	446	093	42°	39°	39°	43°	260	227	98	93	NNE 5	NNE 6-7	10	10	110	
29	866	975	34°	31°	30°	40°	163	149	81	84	N 4	Calm	0	1	0	—
30	29° 998	29° 979	35°	37°	30°	39°	159	184	77	83	NE 3	ENE 0-1	10	10	—	Δ in morning. At 3.45p. cum.-s. from W. Wind NE. 1.
Means	29° 745	29° 743	40°	40°	36°	44°	219	224	87°	89°	3°	3°	7°	7°	4°	040

BABBACOMBE.

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

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	37.4	41.0	37.0	47.0	in.	in.	%	%	NNE 6	NNE 4	10	0	ins.	[D p
2	29.973	30.152	42.5	42.9	36.5	45.8	*202	*214	90	83	N	NNE 5	1	0	ins.	Squalls a. and p. < 6.55 p. and 9.25 p.
3	30.298	30.126	39.9	40.9	34.1	51.5	*216	*245	88	95	WNW 1	WNW 1	9	1	—	before 9a. [D p.
4	29.891	29.764	41.4	41.8	36.0	50.7	*247	*203	95	77	W 2	N 5	9	1	—	to 8a. D after 5p. D after 9p.
5	*905	*881	42.2	39.9	38.5	47.7	*209	*200	79	82	N	NNW 2	0	6	—	D a. 1.37 p. p.
6	*719	*718	43.2	39.3	38.9	47.8	*239	*213	86	89	NNW 3	NNW 3	10	0	—	Squalls a. and p. p.
7	*846	*875	42.5	35.9	35.8	50.0	*208	*184	88	88	NNW 3	W 2	0	3	—	D after 5p.
8	29.520	29.956	45.4	37.3	35.1	46.8	*277	*193	92	87	W 4	NW 4	4	4	—	a. and p. U after 11p.
9	30.265	30.095	43.9	43.1	33.1	51.3	*199	*241	70	86	W 2	WSW 4	1	10	—	Squalls a. and p. p.
10	29.501	29.735	50.1	44.7	43.0	51.2	*349	*268	96	91	SW 9	W 5	10	6	—	Parhelion 3.40 p. p. and 3p. *
11	*694	*566	43.1	38.7	38.2	49.1	*214	*172	77	74	WNW 3	WNW 7	4	2	—	[11.15 p. with squalls p.
12	*412	*389	36.6	38.3	31.0	40.1	*179	*188	83	82	SE 1	NE 7	10	10	—	* before 9a. Squally p. *
13	*512	*591	37.0	38.8	36.1	45.6	*187	*186	85	81	N 2	N 4	6	2	—	[8.2 p. 8.55 p.—9.12 p. *
14	*674	*646	38.9	37.6	37.1	46.7	*187	*191	80	84	NNW 3	N 3	3	0	—	0 9.10 a.—9.30 a. Dartmoor white
15	*488	*405	41.3	36.6	34.8	43.8	*239	*228	91	88	N 4	N 4	10	10	—	0 after 9p. [with *
16	*476	*502	39.8	39.9	37.5	46.1	*226	*215	93	88	NW 2	NNW 3	8	0	—	0 0.45 p. n.
17	29.670	29.843	43.9	42.2	38.3	48.9	*225	*218	78	82	NNW 3	NNW 5	3	3	—	10 a. D p.
18	30.011	30.217	44.4	42.9	41.3	47.8	*225	*239	77	87	NNE 5	NNE 5	9	0	—	n. Squalls 9p.
19	*409	*464	41.0	39.4	37.9	46.6	*231	*223	90	93	NE 4	NE 2	5	1	—	Squally a. and p.
20	*405	*287	39.0	38.9	35.3	41.4	*206	*199	87	85	NE 3	ENE 4	10	10	—	a. and p.
21	*173	*110	35.5	36.3	35.4	39.0	*184	*185	89	87	NE 3	NNE 3	10	10	—	before 9a.
22	30.090	30.041	35.4	39.2	34.4	39.8	*181	*206	88	86	NNW 1	NNE 2	10	10	—	p.
23	29.973	29.795	44.1	42.7	39.2	45.7	*221	*230	75	84	ESE 3	E 6	10	10	—	all day.
24	*466	*320	46.8	51.0	42.5	52.9	*318	*369	99	99	ESE 2	SW 4	10	10	—	before 9a.
25	*410	*432	42.4	41.9	41.9	51.4	*251	*234	93	89	W 1	NE 2	10	10	—	Scotch a.
26	*493	*479	39.9	39.9	39.2	43.1	*219	*203	90	83	N 2	N 4	10	10	—	a. and p.
27	*468	*453	38.3	37.4	37.4	41.7	*193	*185	83	83	N 4	N 4	9	8	—	Squally 9p.
28	29.576	*828	34.9	37.8	34.2	38.5	*193	*185	95	82	NNE 3	NNE 6	10	10	—	to 11a. Squally p.
29	30.033	*924	34.9	39.1	32.0	43.0	*162	*231	79	97	NNW 3	SSW 3	8	10	—	to 8a. 0 11a.—Noon. p.
30	29.985	29.963	38.4	37.5	37.0	42.9	*228	*220	99	99	NNE 2	WSW 2	9	10	—	a. and p.
Means	29.816	29.820	40.8	40.3	37.0	46.1	*221	*216	86.1	86.4	3.2	3.8	7.3	5.6	3.260	

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	29.891	30.081	41.2	46.1	37.5	48.4	242	284	94	91	NW 1	NNE 2	10	8	290	< 5p. (large stones) 7.15 p. K (one clap) 7.20 p. K 9.5 p.
2	30.166	30.272	42.0	46.3	41.0	47.2	241	237	91	76	NE 1	NE 3	8	1	011	0 7.50 a. T 8.40 a. 0 9.20 p.
3	30.290	30.146	50.0	43.9	41.0	51.4	237	220	66	79	N 2	N 2	5	3	187	0 0.45 p. and 6p.
4	29.935	29.744	46.7	44.4	40.9	55.2	279	220	88	75	Calm	NE 2	9	5	298	with squalls a.
5	30.009	30.072	46.2	46.2	41.3	49.0	210	170	68	54	NE 5	N 3	5	10	073	0 6.43 a. and 8.30 p.
6	30.009	30.072	46.2	46.2	41.3	49.0	210	170	68	54	NE 5	N 3	5	10	073	0 9.40 a. and 11.20 a. 0 0 p. n.
7	30.009	30.072	46.2	46.2	41.3	49.0	210	170	68	54	NE 5	N 3	5	10	073	force 6—9. K 10 a. < from 5p. [4.30 p. and n.
8	29.728	29.927	46.7	45.9	39.8	51.0	208	194	94	73	SW 8	NW 6	10	6	280	with squalls at night.
9	30.309	30.286	48.3	45.8	41.0	52.2	201	196	59	64	NW 2	SW 4	4	10	—	force 6 to 10 at times.
10	29.839	29.545	51.2	48.6	45.0	52.5	270	318	72	93	SW 7	WSW 7	10	10	300	3a. 0 p.
11	30.171	30.061	48.9	46.5	42.3	50.3	224	230	65	74	NW 3	WhyN 4	5	7	158	0 p. Wind backed round the compass.
12	30.490	30.297	44.0	41.0	38.0	46.8	205	246	71	96	SbyW 4	WNW 2	9	4	730	[Bar. 29.259 4p. U p.
13	30.408	30.506	41.7	42.2	37.6	42.5	223	243	85	90	N 5	N 4	10	10	1154	Rain of a dirty grey colour containing [2.8 grains of carbon in a pint.
14	30.576	30.622	44.4	44.4	41.3	45.2	248	199	85	68	N 3	N 3	10	8	015	in squalls.
15	30.493	30.479	47.0	43.3	41.2	47.5	227	252	71	90	NW 3	N 3	6	10	690	Warm sun. 10 a.—11 a. 10.28 p.
16	30.505	30.478	44.8	43.7	42.2	48.5	235	258	79	90	WNW 1	NW 1	8	10	730	0 3p. [day.
17	30.657	30.811	44.9	47.1	40.0	47.6	245	242	83	75	N 1	NNE 1	10	10	003	0 a. (never above force 9) all
18	30.890	30.139	48.1	47.3	45.2	49.7	248	244	74	75	NNE 5	NE 4	8	6	007	D a. D 0 p. Day extremely fine.
19	30.340	30.412	48.2	46.4	42.0	51.6	249	260	74	83	NE 3	NE 3	0	0	—	SE. a. and p.
20	30.351	30.422	45.2	42.7	46.7	46.7	220	228	75	76	ENE 4	NE 3	10	10	—	Cold. Bar. and temp. falling after 9a.
21	30.143	30.095	44.2	44.4	42.0	45.2	240	220	82	75	NE 2	NE 1	10	10	—	Warm day.
22	30.082	30.062	44.0	44.0	43.0	46.7	224	209	77	71	Calm	NE 2	10	10	—	Warm day. Wind backed to NE.
23	30.033	29.834	37.4	37.6	34.9	45.3	196	188	88	93	ESE 3	E 5	9	10	444	and all day. Mild.
24	29.578	29.468	49.6	51.5	36.8	54.8	330	346	85	91	S 3	SW 4	10	10	157	0 9p.
25	30.457	30.394	50.6	48.3	47.6	51.8	346	339	94	97	SW 1	NE 2	10	10	290	at night.
26	30.440	30.425	47.9	47.6	46.5	50.8	323	317	98	97	NNE 2	NE 2	10	10	1045	SE. a. Warm sun.
27	30.383	30.404	42.2	42.4	40.0	48.0	227	248	85	91	NE 5	NE 3	10	10	157	
28	30.513	30.685	43.6	44.5	41.3	46.5	252	257	89	88	NW 2	N 5	5	10	507	
29	30.957	30.050	41.1	38.5	35.4	44.8	182	190	71	82	NNE 3	Calm	0	10	074	
30	29.949	29.984	44.7	44.7	38.0	52.9	278	273	93	92	Calm	Calm	0	8	039	
Means	29.816	29.819	45.5	44.7	40.9	48.9	246	242	80.7	81.5	2.8	2.8	8.2	8.0	8.137	

MARKREE CASTLE.

Height above Mean Sea Level, 131 feet. Long. 8° 27' W. Lat. 54° 11' N.

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	42.6	37.3	35.6	46.7	in.	in.	90	92	NW 2	N 1	7	7	ins.	
2	30.213	30.327	42.6	37.3	35.6	46.7	.245	.205	89	92	Calm	Calm	0	2	10	086
3	.414	.434	40.5	38.3	36.9	49.9	.212	.217	85	94	Calm	Calm	0	8	10	068
4	30.338	.209	44.6	45.3	37.9	49.3	.287	.284	97	94	N 1	N 1	8	3	—	09p. 29p.
5	29.961	.047	45.9	43.1	41.8	48.4	.293	.235	95	84	Calm	N 3	6	3	.001	9a. 9p.
6	30.119	30.018	44.9	45.0	36.7	49.2	.236	.231	80	77	Calm	N 3	6	3	—	09p.
7	29.893	29.915	44.1	36.9	36.5	48.4	.219	.207	75	95	N 3	Calm	0	6	6	.023
8	.935	29.623	33.1	39.6	29.9	47.7	.189	.225	100	93	E 1	SW 2	8	9	—	9a. 7p. 9p.
9	29.712	30.120	38.6	34.2	33.4	41.6	.199	.162	85	81	N 3	Calm	0	6	2	.273
10	30.131	29.479	36.1	48.3	30.6	51.2	.194	.301	91	90	SW 1	SW 1	10	10	—	.572
11	29.226	.558	44.1	41.4	41.0	50.6	.254	.179	87	65	SW 1	NNW 5	4	5	.330	10a. 9a. 9p. [at night. (force 6)
12	.592	.557	37.9	33.1	31.7	42.5	.200	.164	88	87	W 1	NNW 4	10	9	—	9p. * nearly
13	.606	.756	33.1	37.3	23.6	42.4	.164	.163	87	73	Calm	NNW 4	10	1	.579	* 9a. [2 ins. deep 9p.
14	.802	.875	39.1	38.1	34.5	44.2	.193	.200	81	87	NNW 4	NNE 1	6	7	.043	9p.
15	.905	.893	39.9	38.2	32.8	41.4	.233	.204	95	89	NW 1	NNW 2	2	4	.180	9a.
16	.877	.790	43.3	41.2	36.9	45.8	.199	.198	71	77	N 4	N 1	3	7	.200	19p.
17	.653	29.746	43.7	44.2	39.5	46.9	.237	.250	83	86	NW 4	NNW 5	4	9	.070	9p.
18	29.924	30.090	43.1	40.1	38.5	48.0	.222	.204	79	82	NNW 2	NNE 1	5	2	—	9a. 9p.
19	30.275	.344	29.1	30.4	27.5	44.1	.132	.164	83	97	Calm	Calm	0	8	0	.001
20	.367	.398	33.1	37.4	29.9	43.4	.181	.187	96	84	SE 3	Calm	0	2	.007	9a. 29p.
21	.390	.336	37.1	40.4	33.3	43.7	.209	.238	95	95	Calm	Calm	0	8	10	—
22	.224	30.123	29.1	32.1	28.3	41.2	.155	.169	96	93	Calm	Calm	0	10	10	—
23	30.023	29.986	33.2	36.9	27.6	41.2	.157	.196	83	90	Calm	Calm	0	10	10	.001
24	29.981	.880	33.1	35.1	32.3	39.7	.179	.193	95	100	Calm	Calm	0	10	0	—
25	.630	.443	38.3	25.6	25.6	41.4	.213	.139	93	94	Calm	Calm	0	10	0	—
26	.392	.439	29.1	28.3	23.7	42.0	.155	.155	96	100	Calm	Calm	0	7	10	.020
27	.531	.659	29.1	31.8	27.8	35.4	.161	.168	100	94	Calm	Calm	0	10	3	.018
28	29.680	29.743	32.1	27.1	26.6	36.6	.174	.148	95	100	Calm	Calm	0	2	0	.032
29	30.015	30.142	35.2	34.6	28.3	43.6	.155	.150	75	74	N 2	Calm	0	0	0	.149
30	29.952	29.992	44.9	38.9	23.5	47.4	.261	.223	88	95	NW 3	Calm	0	10	2	.219
31	29.978	29.956	39.2	40.5	32.5	44.8	.236	.239	98	95	Calm	Calm	0	10	10	.134
Means	29.925	29.929	37.9	37.4	32.0	44.6	.205	.200	88.4	88.6	1.2	1.1	7.3	5.7	3.551	

BIRR CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. $7^{\circ} 55' W.$ Lat. $53^{\circ} 6' N.$

NOVEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	38°	34°	28°	48°	in.	in.	74	94	NNW 2	WNW 1	1	1	ins.	
2	30°203	30°330	38°	34°	28°	48°	172	190	74	94	NNW 2	WNW 1	1	1	—	
3	415	458	35°	33°	28°	47°	161	184	76	97	NW 1	Calm	0	2	—	
4	30°368	226	43°	39°	30°	49°	265	232	94	96	W 0°	NW 0°	9	10	069	
5	29°952	032	43°	37°	36°	48°	282	203	99	91	WNW 1	NNW 2	9	3	—	
6	30°092	30°041	31°	43°	26°	47°	161	260	89	91	Calm	WNW 2	1	10	—	
7	29°915	29°906	43°	37°	36°	48°	229	205	82	90	WNW 2	Calm	0	9	0	
8	969	29°732	32°	41°	26°	48°	181	247	98	96	Calm	SSW 3	1	10	190	
9	29°684	30°163	40°	31°	30°	44°	209	166	84	95	NNW 6	WNW 1	1	0	014	▲ p.
10	30°207	29°581	34°	49°	27°	50°	175	357	86	100	SSE 1	SSW 5	10	10	708	
11	29°393	575	44°	40°	40°	52°	258	217	88	87	SW 2	NNW 4	1	9	149	
12	684	619	37°	32°	30°	44°	202	173	90	94	WSW 2	NNW 3	2	4	110	✱ ▲ ● p.
13	579	647	28°	34°	28°	39°	138	175	90	86	Calm	NW 4	2	1	021	
14	810	879	32°	35°	28°	42°	155	193	84	92	WNW 1	NNW 2	9	9	—	
15	906	869	38°	33°	33°	43°	216	180	94	94	WNW 1	NNW 0°	10	1	019	
16	851	776	37°	35°	29°	46°	207	195	91	94	NNW 2	NW 2	0	0	—	
17	658	29°730	40°	42°	34°	47°	240	240	97	88	WNW 1	NNW 4	2	10	—	
18	29°922	30°095	39°	32°	32°	47°	207	174	86	93	NNW 1	Calm	0	2	—	
19	30°264	371	29°	28°	26°	42°	159	159	97	100	Calm	Calm	0	2	—	☼ 9p.
20	421	441	34°	36°	26°	46°	196	211	99	98	Calm	Calm	0	8	—	
21	425	360	33°	32°	29°	45°	190	181	99	98	Calm	Calm	0	1	—	☼ 9p.
22	246	190	30°	34°	25°	39°	171	192	99	95	Calm	Calm	0	10	—	
23	30°054	30°005	34°	37°	33°	44°	188	205	93	91	SSW 2	Calm	0	7	—	
24	29°977	29°865	36°	37°	35°	43°	202	212	94	95	Calm	Calm	0	10	039	
25	607	442	34°	34°	32°	39°	196	199	97	98	NNW 1	Calm	0	10	022	☼ p.
26	436	451	27°	29°	24°	38°	125	155	82	95	Calm	Calm	0	1	—	
27	518	618	24°	30°	23°	33°	130	167	90	100	Calm	Calm	0	0	—	☼ 9p. and before.
28	698	29°709	25°	27°	23°	36°	123	150	88	98	Calm	NNW 1	7	0	054	
29	29°946	30°150	33°	25°	24°	40°	172	136	88	100	NNE 2	Calm	0	0	096	✱ before ga.
30	30°046	30°004	34°	39°	21°	44°	156	235	76	98	W 1	WSW 2	10	3	200	✱ before ga.
30	30°030	29°960	39°	43°	32°	44°	239	245	100	85	SSE 0°	NNW 3	10	6	069	☼ ga.
Means	29°940	29°941	35°	35°	29°	44°	190	201	90°	94°	3	1°	1°	5°	4°	1°760

GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.

DECEMBER 1878.

1	29° 7'05	29° 9'82	38° 1'	39° 0'	31° 0'	41° 0'	'182	'201	79	85	N	3	E	1	6	10	'013
2	30° 1'56	30° 122	35° 3'	37° 5'	32° 6'	40° 2'	'149	'168	72	75	NW	1	?	1	8	9	—
3	'307	'385	37° 7'	29° 1'	26° 8'	40° 2'	'174	'146	76	98	NE	1	Calm	0	9	0	—
4	'346	'200	22° 5'	35° 1'	20° 3'	40° 5'	'121	'201	100	98	NE	1	Calm	0	3	8	—
5	'139	30° 242	37° 5'	31° 8'	30° 4'	40° 7'	'178	'120	79	66	WNW	3	N	4	6	2	—
6	30° 059	29° 833	32° 2'	35° 6'	30° 5'	39° 0'	'136	'160	74	76	W	2	WNW	3	7	6	Short ✱ shower 1.30p.
7	29° 786	'721	33° 3'	32° 0'	30° 7'	35° 7'	'145	'122	76	67	NW	4	NW	4	2	3	—
8	'624	'654	30° 8'	33° 0'	28° 2'	36° 0'	'100	'127	63	67	NNW	3	NW	3	4	6	—
9	'692	29° 792	31° 6'	31° 3'	30° 3'	35° 8'	'146	'159	81	90	NW	2	NNW	3	8	3	✱ ⁰ about 8p.
10	29° 933	30° 027	31° 2'	31° 7'	27° 5'	36° 0'	'125	'180	71	100	N	1	ENE	1	8	7	✱ showers p.
11	30° 063	29° 838	27° 7'	25° 2'	20° 5'	32° 2'	'058	'113	39	83	W	1	Calm	0	2	5	—
12	29° 678	'610	26° 2'	28° 2'	24° 0'	36° 3'	'103	'114	73	74	Calm	0	Calm	0	4	6	—
13	'656	'709	15° 6'	18° 1'	14° 7'	31° 2'	'077	'075	89	77	W	1	Calm	0	0	0	Day singularly cloudless.
14	'700	'677	20° 9'	26° 9'	12° 5'	34° 0'	'081	'093	73	65	Calm	0	W?	1	7	0	—
15	'519	'474	32° 0'	29° 0'	24° 4'	32° 2'	'141	'074	77	47	W?	1	?	1	10	0	✱ ⁰ ga. for a short time.
16	'482	'544	29° 6'	29° 7'	26° 3'	34° 5'	'098	'120	61	70	NW	2	W	1	1	2	—
17	29° 501	'248	24° 9'	27° 3'	24° 0'	37° 5'	'099	'125	59	85	W	1	Calm	0	3	10	✱ from 10p.
18	28° 982	'011	25° 6'	35° 0'	19° 8'	35° 0'	'139	'148	100	72	SE	1	NE	4	10	10	✱ ⁰ ga. ✱ 9p.
19	29° 171	'380	34° 9'	27° 0'	25° 5'	35° 0'	'149	'089	73	61	NNW	3	NE	2	9	0	—
20	'496	'604	29° 0'	33° 0'	18° 5'	34° 2'	'106	'147	67	78	NW	3	N	4	2	10	—
21	'743	'630	30° 5'	29° 8'	18° 5'	33° 2'	'112	'119	66	72	W	3	NW	6	7	3	✱ showers p. Squally 9p.
22	'596	29° 733	29° 5'	28° 5'	26° 5'	33° 2'	'101	'142	63	91	W	4	NW	6	4	0	✱ ⁰ ga. ✱ 9p.
23	29° 831	30° 129	30° 0'	28° 0'	23° 0'	34° 2'	'096	'097	58	64	NW	6	NW	2	4	0	Squally ga. and before.
24	30° 281	30° 216	24° 0'	28° 3'	21° 5'	32° 7'	'068	'126	53	82	WSW	3	WSW	2	2	0	—
25	30° 093	29° 864	33° 3'	25° 0'	21° 5'	31° 7'	'086	'100	51	74	SW	4	W	1	5	8	—
26	'594	'599	30° 0'	33° 5'	22° 0'	33° 5'	'140	'143	83	75	E	3	NE	4	10	0	✱ ⁰ ga. and before.
27	'573	'460	30° 0'	30° 0'	28° 0'	33° 5'	'135	'167	80	100	WSW	2	NE	1	7	10	'030
28	'474	'472	31° 8'	33° 0'	29° 5'	33° 0'	'173	'167	97	89	E	1	NE	2	10	10	✱ n. and ga. ✱ ² in evening.
29	'207	'335	33° 3'	35° 0'	31° 5'	35° 7'	'180	'204	95	100	W	4	E	2	5	10	✱ before ga.
30	30° 062	29° 039	34° 5'	41° 0'	32° 5'	41° 7'	'190	'246	95	96	SW	2	SW	5	10	8	✱ ● n., ga., and all day.
31	38° 839	28° 808	44° 0'	45° 0'	40° 5'	45° 0'	'277	'233	96	78	SW	5	W	5	8	7	✱ ² showers all day.
Means	29° 684	29° 689	30° 5'	31° 4'	25° 6'	36° 0'	'131	'143	74° 8'	79° 0'	2° 3'		2° 2'	5° 8'	4° 9'	1° 928	

DURHAM.

Height above Mean Sea Level, 335 feet. Long. $1^{\circ} 35' W.$ Lat. $54^{\circ} 46' N.$

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind Direction and Force.		Cloud Amount.		Rain.	Remarks.
	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 a.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.		
	ins.	ins.					in.	in.	%	%					ins.	
1	29° 042	29° 912	38° 3'	39° 1'	35° 1'	41° 3'	201	217	87	91	NNW 2° 6'	NE 0° 8'	8	4	109	
2	30° 075	30° 125	38° 0'	36° 4'	32° 4'	39° 7'	197	195	86	90	NW 2° 6'	NW 0° 9'	1	9	268	
3	255	345	37° 3'	30° 1'	30° 1'	41° 0'	199	199	90	96	NE 0° 4'	WNW 0° 5'	3	0	035	● ▲ a. ⌊ p.
4	321	176	32° 4'	36° 8'	29° 6'	37° 8'	162	183	88	84	WNW 0° 7'	NW 0° 7'	1	8	038	
5	065	30° 136	37° 4'	30° 1'	30° 1'	41° 7'	202	129	90	76	NW 1° 1'	NW 2° 4'	5	0	008	
6	30° 007	29° 752	33° 2'	35° 6'	28° 9'	37° 0'	169	193	89	92	NW 1° 4'	NW 2° 0'	8	9	035	⌊ a. * p.
7	29° 689	627	33° 0'	30° 0'	29° 8'	36° 0'	155	153	82	92	NW 3° 5'	NW 2° 6'	1	10	398	▲ before 10 a. * p.
8	510	604	30° 5'	24° 7'	27° 8'	34° 1'	168	160	99	97	N 1° 4'	NNW 3° 0'	10	10	790	* a. and 10 p.
9	652	736	28° 5'	20° 7'	24° 3'	35° 1'	154	119	98	90	NW 0° 4'	WNW 0° 3'	8	6	052	* before 10 a.
10	884	946	26° 0'	27° 5'	21° 5'	31° 0'	110	147	78	98	NNW 0° 3'	NW 0° 5'	4	10	350	* a. before 10 a. ⌊ p.
11	969	846	27° 5'	22° 6'	21° 5'	35° 3'	144	103	96	78	NW 0° 5'	SW 0° 8'	2	0	—	* 2 a. ⌊ p.
12	684	623	29° 1'	15° 3'	15° 3'	32° 0'	152	084	94	96	SW 1° 4'	SW 0° 7'	8	0	—	
13	682	734	9° 0'	8° 2'	6° 6'	17° 8'	065	060	100	97	SSW 0° 4'	SW 0° 7'	0	0	—	
14	685	596	8° 5'	27° 7'	30° 28° 0'	038	149	59	98	8	W 0° 2'	Calm 0	0	0	—	
15	540	478	33° 1'	27° 0'	25° 3'	35° 4'	170	117	90	81	SSW 0° 7'	WSW 1° 8'	10	0	—	
16	458	443	26° 2'	23° 0'	21° 8'	33° 9'	136	131	96	86	WSW 0° 7'	NW 2° 4'	8	5	084	* p.
17	461	29° 335	28° 7'	23° 0'	22° 5'	34° 0'	143	115	91	94	NW 0° 8'	S 1° 4'	3	0	003	* before 10 a. ⌊ p.
18	043	28° 907	31° 7'	30° 8'	19° 6'	37° 0'	172	152	96	88	SSW 3° 0'	NW 2° 4'	10	10	077	* 10 a. and before. * 10 p.
19	076	29° 378	33° 3'	29° 1'	26° 7'	37° 8'	187	124	98	78	NW 1° 8'	WNW 0° 8'	6	4	012	* before 10 a. ▲ 0 ● 0 p.
20	494	612	19° 4'	28° 0'	14° 4'	31° 3'	078	140	75	92	SW 0° 7'	NW 2° 2'	0	5	041	⌊ a. and p.
21	741	614	27° 3'	27° 8'	24° 5'	34° 3'	109	146	75	96	NW 1° 2'	WNW 1° 0'	3	5	130	* a. and p.
22	611	29° 094	30° 4'	25° 8'	23° 3'	33° 8'	135	088	79	63	W 2° 4'	WNW 1° 4'	1	0	—	
23	29° 764	30° 024	26° 0'	24° 4'	18° 9'	32° 7'	086	117	62	90	NW 2° 3'	WNW 0° 9'	0	0	092	* p.
24	30° 296	30° 287	26° 2'	20° 0'	19° 2'	30° 3'	103	104	73	97	WNW 0° 8'	SW 0° 8'	0	0	—	
25	30° 047	29° 771	21° 0'	24° 8'	11° 4'	27° 3'	078	106	70	79	SSW 0° 8'	Calm 0	10	10	376	* 10 p. and before.
26	29° 468	420	34° 0'	34° 1'	22° 9'	35° 0'	190	193	97	98	E 0° 9'	NNW 1° 2'	10	0	109	* before 10 a. ●.
27	447	400	34° 8'	33° 0'	31° 9'	36° 8'	201	186	99	99	NW 0° 8'	Calm 0	9	10	—	▲ 0 p.
28	489	364	32° 3'	35° 8'	30° 3'	36° 0'	201	208	98	99	S 0° 7'	S 1° 2'	10	10	393	
29	313	373	36° 9'	34° 0'	32° 7'	39° 2'	213	192	97	98	S 0° 5'	S 0° 8'	6	10	300	
30	137	29° 132	43° 2'	47° 6'	32° 0'	47° 8'	253	275	90	84	SW 4° 0'	SW 5° 4'	1	4	—	● a. with squalls p.
31	29° 075	28° 935	48° 6'	46° 4'	46° 4'	50° 2'	299	278	88	89	SW 6° 2'	SW 7° 7'	7	0	103	Squally a. and 10 p. ⌊
Means	20° 664	20° 666	30° 4'	29° 5'	24° 6'	35° 4'	156	152	87° 4'	89° 9'	1° 4'	1° 5'	5° 1'	4° 5'	3° 783	

DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. $4^{\circ} 30' \text{ W.}$ Lat. $54^{\circ} 10' \text{ N.}$

DECEMBER 1878.

	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
1	29° 7'10	29° 9'27	43° 0	39° 9	39° 4	45° 6	240	220	NNW 5	NE 1	5	1	—	—	—	—	
2	30° 11'15	30° 18°0	35° 7	33° 9	32° 2	41° 5	200	163	N 1	Calm 0	4	4	—	—	—	—	
3	21° 8	34° 7	39° 0	36° 6	30° 0	41° 7	210	165	NNE 3-4	Calm 0	4	0	—	—	—	—	
4	36° 1	23° 27	27° 8	40° 6	25° 3	40° 8	152	244	NNW 4	NW 3	3	10	0° 20	—	—	—	
5	15° 1	30° 274	43° 4	32° 0	31° 0	46° 6	232	131	NNW 4	Calm 0	7	0	0° 39	—	—	—	
6	30° 124	29° 819	35° 3	41° 7	28° 8	43° 0	199	251	NNW 3	NNW 1	4	10	1° 29	—	—	—	
7	29° 799	29° 729	36° 0	33° 3	32° 6	41° 8	156	141	N 1	N 1	2	1	—	—	—	—	
8	594	693	33° 0	31° 2	28° 5	36° 0	133	141	N 3	Calm 0	1	1	—	—	—	—	
9	668	784	30° 0	28° 0	23° 5	38° 0	128	137	Calm 0	Calm 0	4	1	—	—	—	—	
10	812	956	34° 7	27° 0	25° 1	35° 6	155	147	ENE 2	Calm 0	8	1	—	—	—	—	
11	984	893	34° 0	26° 6	25° 1	38° 3	186	125	NE 1	Calm 0	2	4	—	—	—	—	
12	665	585	36° 2	28° 0	23° 7	36° 7	189	146	WSW 4	Calm 0	9	6	0° 01	—	—	—	
13	613	684	31° 6	33° 5	27° 7	37° 0	161	182	ESE 3	E 4	10	10	—	—	—	—	
14	694	669	29° 0	36° 9	27° 3	37° 0	154	198	Calm 0	WNW 2	6	10	0° 02	—	—	—	
15	598	540	36° 1	33° 7	33° 7	39° 0	202	158	Calm 0	NNW 1	7	1	0° 28	—	—	—	
16	597	511	23° 3	30° 0	22° 6	39° 5	121	140	Calm 0	NW 1	2	0	—	—	—	—	
17	533	357	34° 2	36° 5	21° 1	39° 4	160	191	NW 2	WNW 3	3	7	0° 83	—	—	—	
18	536	050	36° 4	34° 9	33° 0	38° 9	169	185	WNW 4	NW 2	3	1	0° 10	—	—	—	
19	176	396	37° 9	34° 1	33° 0	41° 5	176	193	NW 2-3	Calm 0	8	10	0° 27	—	—	—	
20	486	675	29° 3	28° 0	24° 3	34° 2	151	143	Calm 0	Calm 0	4	2	—	—	—	—	
21	821	678	25° 6	37° 3	24° 5	38° 2	129	192	Calm 0	WNW 6	3	8	2° 28	—	—	—	
22	721	29° 774	33° 4	33° 4	30° 5	37° 5	173	175	NNW 4	WNW 4	5	7	4° 59	—	—	—	
23	29° 845	29° 724	29° 8	30° 0	27° 0	34° 3	163	167	NNW 1	Calm 0	4	0	—	—	—	—	
24	30° 321	30° 267	18° 2	23° 2	12° 8	37° 2	099	124	Calm 0	Calm 0	0	7	—	—	—	—	
25	30° 033	29° 663	32° 9	32° 1	30° 2	34° 8	187	181	E 4	E 6	10	10	1° 80	—	—	—	
26	29° 440	434	33° 9	35° 7	30° 1	36° 1	191	194	E 1	NE 2	10	9	0° 04	—	—	—	
27	477	384	31° 0	37° 0	29° 9	38° 1	148	186	Calm 0	E 2	5	10	0° 50	—	—	—	
28	448	274	35° 8	40° 1	34° 5	42° 5	206	240	Calm 0	SE 4	9	10	1° 516	—	—	—	
29	30° 308	283	39° 1	40° 1	35° 5	43° 5	235	236	WSW 4	SE 4-5	4	2	7° 25	—	—	—	
30	181	164	46° 0	47° 5	39° 8	49° 6	239	311	SW 4	SSW 5	3	7	0° 77	—	—	—	
31	29° 116	29° 183	47° 0	47° 0	49° 9	289	262	83	82	SW 4-5	WNW 6	9	7	0° 70	—	—	—
Means	29° 698	29° 694	34° 2	34° 3	29° 1	39° 8	180	183	89° 5	90° 4	2° 0	1° 9	5° 1	5° 1	2° 818	—	

☞ (force 7) at noon. * in aft.
< 9° 30p. * ● 9p. and * during night.
Ground covered with *.
▲ 11a.—Noon. ● 8p. [5p.—6p.
▲ n. * 9.45 a. ▲ in aft. ☞ * 2
* 2 in past night. * 6 inches deep.
Running water in river frozen.
☞ 9a. * 9p. ☞ ●
* 0 ● 0 a. and p.

WAKEFIELD.

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

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	39°	40°	37°	42°	ins.	ins.	88%	86%	W 2	N 2	2	8	ins.	5.46a.
2	29°647	29°845	38°5'	38°2'	34°0'	41°9'	208	218	90	82	NNW 2	NW 2	6	4	—	Air sharp and cold ga. 9.34a.
3	29°210	29°341	35°9'	31°9'	31°0'	41°9'	193	159	92	88	N 2	ENE 1	8	5	0.010	Cold and sharp air.
4	29°330	29°208	35°6'	34°3'	31°4'	40°2'	176	172	84	86	NW 1	NNW 1	10	0	0.010	Milder.
5	29°079	29°141	40°8'	34°7'	32°5'	42°6'	238	143	94	71	W 2	WNW 4	10	1	0.030	
6	30°085	29°766	33°1'	36°1'	30°2'	38°3'	166	203	88	95	W 4	W 2	5	10	0.030	
7	29°724	29°638	36°1'	34°5'	34°0'	38°2'	170	155	79	78	WNW 2	N 3	8	8	—	
8	29°496	29°612	32°7'	30°1'	27°2'	35°8'	170	115	92	68	NNW 2	WNW 2	4	6	—	
9	29°658	29°738	30°2'	29°8'	27°4'	34°4'	157	141	94	85	WNW 2	N 1	7	6	—	
10	29°857	29°918	29°1'	25°1'	22°4'	31°8'	157	98	72	82	NE 1	N 1	10	0	—	
11	29°942	29°893	32°2'	25°9'	24°4'	33°8'	180	130	98	92	NNW 1	W 1	8	0	0.010	
12	29°758	29°638	26°1'	19°5'	19°4'	29°0'	127	101	91	97	SW 1	S 1	7	4	—	
13	29°697	29°755	21°9'	26°1'	14°1'	27°0'	106	138	91	98	S 1	SE 2	10	10	—	
14	29°697	29°692	20°1'	25°9'	18°5'	26°8'	104	103	97	74	SSW 1	WNW 2	10	3	0.010	
15	29°617	29°544	31°1'	33°1'	25°4'	36°2'	159	170	92	90	SW 1	WSW 2	7	10	—	
16	29°505	29°449	29°3'	28°1'	26°8'	34°8'	147	132	91	87	WSW 1	NNW 1	6	3	—	
17	29°500	29°413	29°1'	31°1'	27°2'	35°7'	157	167	98	96	W 1	SSE 1	0	10	0.040	
18	29°156	29°077	34°3'	35°1'	31°0'	36°8'	180	164	90	79	WSW 2	W 3	2	10	0.060	
19	29°082	29°355	32°7'	34°1'	28°6'	37°8'	140	167	75	84	W 2	NNW 1	8	6	—	
20	29°515	29°649	18°9'	22°1'	12°1'	35°8'	97	93	77	81	WNW 1	WNW 1	10	3	—	
21	29°733	29°628	30°3'	34°3'	21°1'	34°3'	160	172	96	86	W 1	WNW 1	4	4	—	
22	29°651	29°736	28°7'	29°3'	26°7'	36°1'	137	159	87	95	WNW 2	Calm 0	3	2	—	
23	29°817	29°055	22°9'	29°1'	20°2'	31°3'	119	157	97	98	Calm 0	Calm 0	0	2	—	
24	30°347	30°344	22°4'	17°5'	16°9'	31°8'	112	92	95	96	WNW 1	WNW 1	0	10	—	
25	30°164	29°832	13°1'	28°9'	10°8'	29°4'	97	139	97	88	Calm 0	Calm 0	10	10	0.580	
26	29°488	29°404	32°5'	34°3'	28°6'	34°8'	182	192	99	97	Calm 0	ENE 1	10	10	0.040	
27	29°463	29°418	35°1'	33°9'	32°9'	36°6'	186	176	91	90	NNE 1	Calm 0	10	10	0.040	
28	29°533	29°435	33°5'	35°7'	32°4'	39°6'	182	203	95	98	Calm 0	NNE 2	10	10	0.140	
29	29°324	29°428	40°8'	36°3'	35°1'	42°4'	214	213	84	97	WSW 2	ESE 2	9	10	0.140	
30	29°254	29°285	48°2'	50°0'	36°3'	52°0'	335	331	97	92	WSW 3	WSW 4	0	3	0.040	
31	29°229	29°139	50°2'	49°2'	48°5'	52°8'	284	273	79	78	W 5	WSW 8	4	2	0.070	
Means	29°698	29°690	31°8'	32°1'	27°2'	36°8'	163	90°8	87°2	1°5	1°7	6°4	5°8	1°290		

KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.

DECEMBER 1878.

1	29°692	29°838	34°8'	36°1'	32°0'	39°2'	202	211	100	99	S 1	NE 1	10	9	0.077	
2	30°039	30°082	35°0'	33°4'	33°0'	41°1'	201	188	99	98	NW 1	NNE 1	10	7	0.129	
3	29°183	29°308	34°2'	32°8'	31°1'	39°2'	193	170	98	91	E 1	NE 1	6	8	0.010	
4	29°294	29°218	34°9'	32°6'	30°8'	37°5'	186	170	92	92	N 1	N 1	9	1	—	
5	29°062	29°193	35°9'	32°0'	31°0'	37°5'	193	181	92	100	N 1	NW 2	10	10	0.137	
6	30°031	29°793	29°3'	31°4'	27°8'	35°1'	137	176	85	100	NW 2	SW 1	4	10	0.060	
7	29°684	29°611	31°0'	31°3'	27°6'	33°3'	171	176	99	100	N 1	WNW 1	9	9	0.067	
8	29°487	29°580	27°4'	25°8'	25°0'	33°0'	137	140	92	100	NW 1	NW 1	9	0	0.115	
9	29°618	29°726	25°4'	23°6'	23°1'	33°9'	126	127	92	100	NNW 1	NNW 1	4	5	—	
10	29°910	29°928	17°8'	22°1'	13°7'	30°9'	97	118	100	100	NNW 1	NW 1	0	3	0.115	
11	29°916	29°878	29°3'	24°8'	22°1'	33°6'	156	134	95	100	NNE 1	NW 1	10	1	0.038	
12	29°790	29°682	17°1'	22°3'	12°8'	35°7'	94	119	100	100	SW 1	SW 2	0	10	—	
13	29°705	29°759	22°0'	21°0'	18°7'	39°8'	118	113	100	100	SW 1	NW 1	0	0	—	
14	29°715	29°648	12°0'	12°7'	11°8'	35°7'	97	97	100	95	N 1	N 1	1	0	—	
15	29°638	29°571	23°8'	30°2'	12°7'	34°2'	128	166	100	99	W 1	SW 1	2	10	0.055	
16	29°510	29°479	28°3'	16°9'	14°3'	30°7'	155	98	100	93	W 1	NW 1	2	0	—	
17	29°466	29°443	20°7'	21°0'	16°9'	30°5'	111	113	100	100	N 1	WSW 1	2	2	0.042	
18	29°203	29°026	32°0'	31°0'	21°0'	33°7'	177	148	97	85	SW 3	SW 4	10	10	0.015	
19	29°056	29°339	27°2'	30°7'	21°8'	34°3'	136	139	92	84	W 3	NW 3	3	1	—	
20	29°507	29°627	15°5'	18°4'	15°4'	32°7'	98	92	100	93	NW 1	NW 1	1	0	0.016	
21	29°731	29°724	28°9'	25°0'	17°5'	30°3'	150	131	95	97	N 2	SW 3	10	1	0.067	
22	29°701	29°724	21°7'	23°1'	18°9'	31°8'	97	111	86	92	W 2	W 2	4	0	—	
23	29°808	29°999	18°4'	26°8'	16°1'	27°4'	100	130	100	91	W 2	W 2	1	0	—	
24	30°306	30°363	21°9'	13°9'	13°8'	30°3'	98	98	100	100	NW 1	S 1	1	0	—	
25	30°196	29°806	21°3'	31°7'	13°0'	32°2'	114	167	100	94	S 2	ESE 3	10	10	0.400	
26	29°486	29°420	31°9'	32°0'	30°9'	33°8'	180	181	100	100	SE 1	NNW 1	10	10	0.256	
27	29°440	29°435	33°0'	32°9'	31°6'	34°5'	188	185	100	99	NNW 1	Calm 0	10	10	0.112	
28	29°565	29°519	33°0'	36°2'	31°1'	37°0'	188	212	100	98	S 1	SE 3	10	10	0.204	
29	29°383	29°492	34°0'	36°1'	33°4'	37°0'	196	213	100	100	W 1	SSE 2	10	10	0.080	
30	29°314	29°367	45°2'	47°4'	35°9'	49°6'	292	298	97	91	SW 3	SW 4	4	6	—	
31	29°306	29°251	47°8'	46°7'	43°4'	50°8'	286	266	86	84	SW 5	WSW 7	3	7	0.030	
Means	29°701	29°704	28°1'	28°4'	23°5'	34°4'	154	155	96°2	96°0	1°5	1°8	5°6	5°2	2°025	

LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	43°	44°	39°	46°	ins.	ins.	77%	77%	W 1	N 5	10	10	ins.	Windy from 11.30a.
2	29°747	29°866	43°	44°	39°	46°	255	225	92	77	W 1	N 5	10	10	0.030	
3	30°109	30°158	41°7'	41°7'	40°4'	45°2'	226	175	86	67	NE 2	NE 5	0	5	—	
4	29°187	29°329	41°0'	33°0'	33°0'	43°0'	206	167	80	89	NE 4	E 1	10	0	—	3p.
5	29°388	29°287	30°3'	39°0'	28°6'	39°8'	136	195	80	83	E 0°6	W 1	8	0	0.080	∞ in afternoon.
6	29°159	29°256	43°9'	37°0'	36°5'	47°6'	229	149	79	68	N 1	N 4	9	2	—	Very fine.
7	30°150	29°836	38°6'	44°0'	35°7'	44°0'	184	243	78	84	NW 1	NW 2	10	10	0.110	* showers.
8	29°788	29°753	39°7'	38°0'	37°6'	44°0'	175	149	71	65	NE 5	N 7	10	4	—	* showers till 11a., then cold and [windy.
9	29°578	29°678	35°3'	37°0'	35°0'	38°0'	146	161	70	74	NE 2	N 5	2	8	—	
10	29°664	29°780	33°0'	32°8'	30°5'	39°0'	167	148	89	80	NW 1	NE 1	9	10	0.050	* ⁰ before ga.
11	29°822	29°958	29°0'	24°6'	23°7'	36°1'	160	111	100	84	NW 1	E 1	3	0	—	* before ga. about one inch deep.
12	29°976	29°922	26°5'	28°0'	22°3'	34°1'	144	122	100	80	SE 1	SE 1	8	0	0.040	Fine with ∞
13	29°735	29°855	31°2'	29°1'	26°0'	39°7'	152	130	88	81	S 1	SW 1	0	0	—	* before ga. Fine with ∞
14	29°600	29°679	25°3'	26°0'	20°7'	33°2'	115	116	86	83	S 1	SW 1	0	0	—	Fine with ∞ [with *.
15	29°684	29°720	22°2'	34°0'	21°0'	34°0'	097	179	83	91	S 1	SE 1	0	9	0.030	Fine with ∞. Ground still covered. Thaw n., * nearly all gone. * 7p.
16	29°644	29°561	37°3'	34°0'	31°2'	39°0'	199	179	90	91	W 2	W 1	10	10	0.130	* n. Ground again covered. Fine [with ∞.
17	29°505	29°521	32°8'	28°2'	27°3'	35°5'	169	139	91	91	N 1	N 1	9	0	0.020	* n. * storm 3p. Ground thaw p.
18	29°558	29°733	33°3'	36°1'	24°4'	41°0'	161	191	85	90	N 1	W. 3	0	0	0.156	Squally with ▲ a. * nearly gone.
19	29°251	29°111	36°2'	37°5'	30°7'	39°6'	172	168	81	75	W 4	W 3	1	0	0.137	Squalls a. ▲ showers with [in aft.
20	29°186	29°402	39°6'	37°0'	35°5'	39°6'	176	186	72	85	N 2	NW 1	8	1	0.300	* ⁰ Showers a., then fine. * n., [ground again covered.
21	29°500	29°669	32°3'	31°0'	29°5'	37°8'	154	149	84	85	W 1	W 1	10	9	—	* ² p. Wind rose 8p. Squally 9p.
22	29°840	29°771	36°8'	37°7'	30°4'	39°5'	160	193	73	85	N 1	NW 4	0	9	0.077	Constant ▲ showers. * all gone.
23	29°759	29°825	38°0'	35°2'	34°4'	40°0'	160	167	69	81	N 1	NW 1	9	5	0.127	* n. and a. Ground again covered.
24	29°872	29°100	29°8'	35°7'	29°4'	38°0'	166	159	100	76	NE 2	N 2	8	0	—	Very fine.
25	30°355	29°288	28°8'	24°4'	23°5'	38°6'	124	116	79	90	SE 1	W 1	1	1	0	
26	30°010	29°095	27°8'	30°0'	23°2'	34°0'	127	167	84	100	SE 1	E 0°6	10	10	0.130	during day. * began 4.30p.
27	29°409	29°434	34°3'	34°0'	29°0'	36°3'	172	170	86	98	SE 1	E 0°6	10	10	—	during day.
28	29°469	29°395	35°7'	36°0'	33°5'	36°2'	193	181	94	86	E 0°6	NE 0°6	10	10	0.020	a. and p.
29	29°469	29°395	35°7'	36°0'	33°5'	36°2'	193	181	94	86	E 0°6	NE 0°6	10	10	0.020	Thaw. * nearly gone. ● n.
30	29°361	29°331	39°6'	41°7'	37°0'	44°6'	215	228	89	87	W 1	W 2	5	2	0.260	Fine and mild. All * gone except on [hills.
31	29°272	29°268	48°4'	40°6'	42°1'	53°0'	294	273	79	78	SW 2	SW 3	0	10	0.120	Squally a. Stormy at night. [hills.
Means	29°719	29°718	35°6'	35°6'	31°2'	40°4'	178	176	84°0	83°4	1°6	2°2	5°9	5°2	1°954	Squally a. (strong gale) in the night.

HILLINGTON, NORFOLK.

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

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	34°6	32°2	32°2	36°4	ins.	ins.	75	98	SW 2	SE 1	10	6	ins.	* 6a.—7a. and 7.30a.—7.40a. ●
2	29°747	29°786	34°6	32°2	32°2	36°4	151	180	75	98	SW 2	SE 1	10	6	ins.	U 6.30p. [10.30a.—10.50a.]
3	29°794	30°030	37°0	34°8	31°1	39°7	214	184	97	91	NNE 0.5	NNW 2	10	4	ins.	Very fine. Freezing 3.30p.—6.30p.
4	30°147	30°238	33°5	36°5	32°1	39°2	183	206	96	96	E 1	NE 0.5	8	8	ins.	Splendid sunset. [●] 10p.
5	29°728	29°716	37°9	37°4	35°2	41°7	208	190	91	86	NE 2	NNE 3	9	10	ins.	* 9a. p. ▲ 9.50p. * [10.15p.]
6	30°009	29°802	31°4	32°7	30°4	36°7	142	184	80	99	NW 4	NW 1	7	10	ins.	* 7.10p.—9p. [10.15p.]
7	29°663	29°558	33°6	33°0	32°0	36°5	193	184	100	98	NW 1	NW 0.5	10	4	ins.	Wet * a. * all gone noon. * late p.
8	29°463	29°552	32°3	31°5	31°1	36°1	172	174	94	99	N 1	N 1	10	4	ins.	* 0.30p. * 0 freezing 4p. Thaw 6p.
9	29°598	29°704	31°1	32°2	32°2	34°5	162	120	93	95	WNW 1	N 0.2	10	1	ins.	Ground sprinkled with * a.
10	29°822	29°880	26°5	21°9	19°3	31°4	137	117	97	100	NW 0.2	N 0.2	10	9	ins.	* till 2.30p. * 3.45p.—4.20p. [U] at night.
11	29°870	29°856	32°9	25°8	18°5	37°0	183	133	98	95	WNW 0.5	N 0.5	10	7	ins.	* 7a.—9a. —a. Red sunset.
12	29°803	29°698	26°9	22°6	22°2	29°1	143	117	98	97	W 2	SE 0.5	10	10	ins.	* a. and p. —
13	29°701	29°729	25°8	14°8	14°3	27°1	140	98	100	92	SE 0.5	E 0.2	10	2	ins.	* a. and p. —
14	29°665	29°623	23°1	12°5	12°4	31°8	120	97	100	97	E 0.2	E 0.2	9	8	ins.	* a. and p. * 10.30a.—3p.
15	29°648	29°572	28°6	20°6	11°4	32°2	157	164	100	100	SW 0.3	SW 1	10	9	ins.	* a. and 9p. Red sunset.
16	29°505	29°454	27°3	20°0	20°0	31°5	142	100	94	93	SW 1	NW 0.5	10	10	ins.	* a. from 4p. —
17	29°439	29°441	21°9	18°3	17°1	32°0	115	99	97	100	WNW 0.2	NW 0.5	10	7	ins.	* a. 6p. — all gone.
18	29°264	29°115	30°9	33°4	18°1	35°0	151	154	87	81	SW 3	SW 5	10	10	ins.	Very red sunrise. * 8a. and 8.45a.—
19	29°072	29°323	32°0	30°0	28°3	35°3	170	145	94	86	W 3	W 2	10	0	ins.	* n. Very red sunrise. [9.40a.]
20	29°489	29°597	23°4	17°2	16°2	30°3	125	99	100	97	S 0.5	W 0.5	10	10	ins.	* 1a. — all day.
21	29°728	29°770	27°0	25°1	15°5	31°0	143	128	98	95	WNW 0.5	NW 2	10	0	ins.	* between 11a. and noon.
22	29°710	29°713	30°2	29°9	23°2	33°1	152	152	90	92	NW 1	NW 4	10	10	ins.	* n. Red sunset.
23	29°814	29°980	25°3	25°9	18°2	30°2	129	122	93	88	NW 1	NW 1	5	2	ins.	Very fine and sunny.
24	30°202	30°358	24°5	9°9	9°8	31°1	100	96	78	100	NW 1	NW 0.5	0	0	ins.	Very fine and sunny.
25	30°179	29°778	21°1	31°5	6°9	31°7	105	177	94	100	SE 0.2	SE 6	10	10	ins.	* 9a. * 2p.—10p. * 2 ● 10.30p.
26	29°479	29°473	34°3	33°1	31°1	39°3	193	186	97	99	SE 0.5	SW 0.2	10	10	ins.	* 2 * early a. ● during day.
27	29°417	29°425	33°3	33°0	32°1	35°0	186	186	97	99	N 0.2	SW 1	10	10	ins.	* a. and p. —
28	29°586	29°517	34°2	38°0	31°4	39°5	191	227	97	99	SW 1	SE 5	9	6	ins.	* before 4a. * 4p. at night.
29	29°395	29°485	39°7	42°2	35°2	43°1	242	260	99	96	W 3	SSE 4	10	10	ins.	[Ground covered with * ever since 8th.]
30	29°370	29°417	49°9	49°1	40°2	53°3	338	298	95	86	SW 4	SW 5	4	0	ins.	* a. and p. * all gone.
31	29°404	29°360	50°8	48°9	44°4	53°4	303	268	82	78	SW 6	W 7	10	10	ins.	Very fine and mild. * n. at night.
Means	29°696	29°689	31°4	29°4	24°6	35°9	170	160	93.7	94.2	1.4	2.0	9.0	6.5	2.023	

UPPINGHAM.

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

DECEMBER 1878.

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	37°4	36°6	33°7	39°3	ins.	ins.	100	97	WSW 1	NNE 2	9	10	ins.	* 0.30p. ● 0 till 4p. * p.
2	29°749	29°799	37°4	36°6	33°7	39°3	223	209	100	97	NNW 1	N 2	9	10	ins.	* a. —
3	30°057	30°105	33°8	35°0	33°0	40°1	182	184	93	90	NNW 2	NNE 1-2	9	0	ins.	* a. —
4	29°163	29°311	34°1	30°6	30°0	37°5	193	166	98	97	NNW 3	NW 2	9	9	ins.	* 10.30p. * p.
5	29°331	29°261	31°3	33°8	28°7	35°4	166	184	95	94	NNW 3	NW 2	9	9	ins.	* from 2.15p. —
6	29°115	29°142	38°3	35°0	32°0	39°9	225	164	98	80	NW 3	NNE 2	9	9	ins.	* 0.30p. ● 0 till 4p. * p.
7	30°136	29°821	29°6	35°8	27°2	36°9	122	208	74	99	NW 3	W 2	8	10	ins.	* 0.30p. ● 0 till 4p. * p.
7	29°715	29°666	32°8	30°2	30°0	36°9	170	140	91	83	NNW 2	NNW 3-4	10	0	ins.	* 0.30p. ● 0 till 4p. * p.
8	29°520	29°622	27°7	28°7	27°0	31°3	116	137	77	87	NNW 2	N 1-2	9	0	ins.	* 0.30p. ● 0 till 4p. * p.
9	29°667	29°753	25°0	25°8	23°0	33°2	132	133	97	95	WNW 1-2	Calm 0	9	0	ins.	* 0.30p. ● 0 till 4p. * p.
10	29°854	29°932	18°2	25°0	15°3	32°8	099	135	100	100	Calm 0	NNE 2	7	10	ins.	* 0.30p. ● 0 till 4p. * p.
11	29°937	29°924	24°3	20°0	19°0	30°0	131	108	100	100	Calm 0	Calm 0	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
12	29°813	29°684	24°5	22°6	18°2	26°7	132	121	100	100	SW 2	S 1-2	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
13	29°667	29°728	27°0	22°3	20°7	30°0	147	120	100	100	E 1	N 0-1	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
14	29°690	29°712	22°2	24°0	19°6	24°8	119	129	100	100	NNE 2	Calm 0	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
15	29°685	29°606	26°5	30°3	22°9	33°1	144	169	100	100	SW 1	S 0-1	7	10	ins.	* 0.30p. ● 0 till 4p. * p.
16	29°517	29°506	26°0	21°0	21°0	31°4	141	113	100	100	Calm 0	NW 2	10	4	ins.	* 0.30p. ● 0 till 4p. * p.
17	29°524	29°504	22°5	25°0	17°0	31°0	120	128	100	95	WNW 2	WNW 2	10	0	ins.	* 0.30p. ● 0 till 4p. * p.
18	29°266	29°116	34°0	31°8	24°9	37°9	192	139	98	77	SW 3	SW 6-7	9	1	ins.	* 0.30p. ● 0 till 4p. * p.
19	29°150	29°395	34°1	33°0	31°0	36°7	179	175	90	93	W 3	NW 2	9	9	ins.	* 0.30p. ● 0 till 4p. * p.
20	29°494	29°489	28°7	24°3	24°3	33°6	158	131	100	100	SSE 0-1	NW 0-1	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
21	29°810	29°816	24°9	28°0	21°9	32°3	134	134	100	88	NW 2	SW 2	9	3	ins.	* 0.30p. ● 0 till 4p. * p.
22	29°759	29°803	30°1	23°8	23°0	34°0	168	107	100	83	SW 0-1	WSW 2	9	1	ins.	* 0.30p. ● 0 till 4p. * p.
23	29°856	29°809	25°0	24°6	23°1	31°4	118	091	87	60	WSW 2	WNW 2	7	6	ins.	* 0.30p. ● 0 till 4p. * p.
24	30°366	30°358	15°8	20°3	15°2	32°0	089	103	100	94	Calm 0	ENE 0-1	10	0	ins.	* 0.30p. ● 0 till 4p. * p.
25	30°150	29°656	19°2	31°1	12°7	31°4	104	165	100	95	NE 2	ENE 2	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
26	29°446	29°413	31°9	32°5	30°2	33°1	177	185	97	100	ENE 1-2	NNE 0-1	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
27	29°435	29°430	32°9	32°4	31°9	33°8	186	184	99	100	NNE 2	Calm 0	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
28	29°557	29°410	35°8	37°9	31°9	39°6	203	227	97	100	SSW 2	ESE 3	10	10	ins.	* 0.30p. ● 0 till 4p. * p.
29	29°410	29°424	37°3	40°8	35°1	40°8	218	255	98	100	SW 2	SE 2	9	10	ins.	* 0.30p. ● 0 till 4p. * p.
30	29°354	29°392	46°8	46°0	40°7	51°1	291	287	91	93	SSW 4-5	SSW-8 4	1	2	ins.	* 0.30p. ● 0 till 4p. * p.
31	29°368	29°392	42°8	45°7	50°8	298	265	86	80	80	SW 7	SW 7	9	10	ins.	* 0.30p. ● 0 till 4p. * p.
Means	29°727	29°722	29°9	30°2	26°1	35°1	164	161	95°7	93°2	1°9	1°9	9°0	6°6	2°040	

HEREFORD.

Height above Mean Sea Level, 274 feet. Long. 2° 45' W. Lat. 52° 5' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	39.0	39.6	32.9	44.5	in.	in.	90	99	NW 1	N 3	5	10	ins.	ga. and gp.
2	30.075	30.117	34.5	36.7	33.5	41.1	.188	.176	95	80	Calm	NE 2	1	8	—	ga.
3	.179	.317	36.1	31.3	31.3	38.8	.187	.163	88	93	N 2	Calm	9	0	—	ga.
4	.348	.284	32.8	31.2	26.8	39.2	.151	.160	81	92	Calm	Calm	6	8	—	ga.
5	.138	30.162	36.7	38.1	30.9	44.5	.204	.191	94	83	NW 1	NE 2	8	10	.008	ga.
6	30.152	29.847	31.3	37.6	28.0	38.9	.119	.202	68	90	Calm	WNW 3	6	10	.004	ga.
7	29.738	.633	36.0	34.3	33.1	39.9	.160	.142	76	71	N 1	NNW 3	8	7	—	ga and gp.
8	.542	.632	26.6	31.2	26.4	35.4	.111	.143	79	82	Calm	N 1	1	0	—	ga.
9	.676	.752	25.9	23.8	23.4	36.5	.137	—	97	—	Calm	Calm	5	1	—	ga.
10	.861	.922	18.8	23.3	17.4	29.9	—	—	—	—	Calm	Calm	0	0	—	ga.
11	.945	.913	27.0	28.5	21.0	32.5	.134	—	92	—	Calm	Calm	3	10	.010	ga.
12	.817	.660	22.6	24.2	18.9	30.1	—	—	—	—	Calm	E 2	0	10	—	ga.
13	.650	.605	26.4	25.6	22.2	30.4	—	—	—	—	Calm	NE 2	10	10	—	ga.
14	.667	.733	24.5	21.8	18.7	27.6	—	—	—	—	NE 1	N 1	10	0	—	ga.
15	.692	.602	31.6	32.8	20.2	38.6	.164	.174	92	93	Calm	Calm	6	7	—	ga.
16	.491	.494	30.4	29.1	29.1	33.8	.167	.146	99	91	Calm	Calm	10	0	.170	ga.
17	.538	.570	27.0	24.2	18.1	36.5	.130	—	90	—	Calm	Calm	8	2	—	ga.
18	.311	.153	37.6	37.6	28.4	38.3	.216	.212	96	94	SW 1	W 3	4	1	.150	ga.
19	.214	.399	34.1	30.8	30.8	40.5	.193	.168	98	97	W 1	Calm	8	1	—	ga.
20	.496	.635	26.6	24.4	21.9	37.7	—	—	—	—	WNW 1	Calm	4	5	—	ga.
21	.841	.852	23.1	31.7	19.7	34.8	—	.162	—	91	Calm	NNW 2	0	1	.320	ga.
22	.775	29.840	32.6	28.2	24.5	35.5	.185	.127	100	83	Calm	NW 2	10	0	—	ga.
23	29.890	30.108	27.5	22.0	22.0	32.7	.133	—	90	—	NW 1	Calm	1	0	.060	ga.
24	30.368	30.355	13.6	7.3	7.3	29.6	—	—	—	—	Calm	Calm	0	0	—	ga.
25	30.079	29.628	17.9	31.6	4.8	32.0	—	.174	—	97	Calm	NE 2	0	10	.330	ga.
26	29.415	.420	32.2	32.8	31.3	34.4	.182	.186	100	100	Calm	Calm	10	10	.186	ga.
27	.451	.394	33.7	33.5	32.5	34.9	.191	.189	99	99	N 1	Calm	10	10	.145	ga.
28	.563	.333	39.0	38.4	32.9	44.6	.219	.226	93	97	Calm	ESE 3	10	10	.404	ga.
29	.426	.318	37.3	42.6	33.9	43.4	.217	.271	97	99	Calm	S 4	9	10	.060	ga.
30	.377	.416	48.7	49.6	42.6	52.3	.294	.294	86	83	SW 3	SW 5	4	7	.052	ga.
31	29.430	29.460	51.3	49.7	49.6	53.1	.286	.264	76	75	WSW 5	WSW 7	7	3	.014	ga.
Means	29.739	29.724	31.0	31.4	26.1	37.5	—	—	—	—	0.6	1.5	5.6	5.2	.203	ga.

NOTE.—The wet-bulb thermometer was not in proper action during part of this month.

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	29.762	29.725	33.6	35.9	31.8	36.2	.182	.205	94	97	Calm	NE 1	10	10	.050	ga.
2	29.975	30.010	35.3	35.1	32.3	37.1	.196	.198	95	97	N 1	NE 1	10	10	.030	ga.
3	30.104	.219	33.0	35.8	32.4	39.1	.184	.181	98	87	Calm	NE 2	10	10	—	ga.
4	.220	.167	34.6	36.6	32.5	39.7	.184	.201	92	93	NW 1	NW 2	7	10	—	ga.
5	.050	30.007	37.0	37.0	33.8	40.1	.200	.200	91	91	NW 2	N 3	10	10	.100	ga.
6	30.031	29.812	30.6	33.6	28.4	37.0	.127	.182	74	94	NW 3	Calm	7	10	.100	ga.
7	29.647	.540	33.1	32.6	32.2	35.2	.186	.183	99	99	Calm	NW 4	10	10	.010	ga.
8	.467	.524	31.6	31.9	30.4	32.6	.158	.166	90	92	NW 2	NW 2	10	10	—	ga.
9	.606	.696	30.2	30.0	27.0	32.2	.144	.155	86	93	NW 1	NW 1	10	10	—	ga.
10	.805	.854	25.4	28.6	21.4	30.0	.130	.157	95	100	Calm	NE 1	10	10	—	ga.
11	.858	.838	28.1	27.0	25.7	29.0	.145	.197	94	94	NW 2	Calm	0	10	.030	ga.
12	.805	.691	25.6	26.1	24.8	27.0	.139	.142	100	100	SW 1	Calm	0	10	—	ga.
13	.660	.700	19.6	16.6	15.0	30.2	.106	.092	100	100	SE 1	SE 1	0	0	—	ga.
14	.628	.642	19.2	19.6	12.7	30.0	.096	.106	94	100	NW 1	NW 2	10	0	—	ga.
15	.657	.565	30.6	29.0	19.0	36.4	.155	.154	91	96	W 3	SW 2	8	0	.030	ga.
16	.496	.448	27.6	29.6	26.0	30.5	.151	.152	100	93	SW 1	N 1	10	10	—	ga.
17	.437	.466	27.2	30.3	22.7	32.3	.138	.131	94	77	NW 2	SW 3	10	0	—	ga.
18	.311	.142	33.0	31.6	22.8	38.0	.152	.130	81	74	SW 3	SW 3	10	0	—	ga.
19	.667	.316	34.3	34.6	30.0	37.2	.168	.179	84	89	W 2	W 2	9	0	—	ga.
20	.471	.595	28.0	28.4	25.0	34.6	.147	.152	96	98	NW 1	NW 1	10	10	—	ga.
21	.743	.780	26.6	28.6	24.8	32.3	.141	.139	98	89	NW 1	SW 2	10	0	.040	ga.
22	.719	.758	23.5	29.0	25.0	35.6	.157	.126	82	79	W 1	W 3	8	0	—	ga.
23	29.819	29.979	32.6	26.6	21.8	33.0	.181	.103	100	73	SW 2	NW 3	0	5	—	ga.
24	30.298	30.331	33.6	11.6	11.0	31.0	.092	.072	75	100	NE 2	NE 1	0	0	—	ga.
25	30.133	29.697	28.1	33.1	10.0	33.7	.135	.176	90	94	SE 1	SE 3	10	0	.200	ga.
26	29.454	.403	37.4	42.9	32.2	45.1	.222	.276	98	100	Calm	S 2	10	10	.130	ga.
27	.396	.440	35.6	34.1	33.2	43.1	.208	.194	100	99	Calm	W 2	10	10	.260	ga.
28	.589	.414	35.9	41.8	32.8	43.3	.208	.254	99	96	SW 1	SW 2	8	10	.070	ga.
29	.419	.491	41.1	44.8	38.5	45.9	.240	.293	93	99	W 3	SW 3	5	10	.050	ga.
30	.406	.463	52.6	51.6	44.2	54.1	.369	.335	93	88	SW 3	SW 4	8	4	—	ga.
31	29.457	29.488	52.9	50.6	48.9	54.0	.303	.309	76	84	SW 5	SW 6	7	5	.030	ga.
Means	29.693	29.684	31.9	32.4	27.4	36.6	.170	.177	92.0	92.4	1.5	2.0	8.3	6.6	1.150	ga.

CARMARTHEN.

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

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	43.9	39.9	37.0	48.4	in.	in.	92	88	W 2	N 2	10	5	ins.	▲ 3p.
2	29.827	29.814	38.8	32.7	32.7	45.7	.204	.215	89	89	Calm	Calm	0	0	—	
3	30.104	30.137	35.4	33.7	32.0	41.7	.208	.165	88	90	N 2	N 2	9	0	—	
4	.184	.301	31.1	30.5	25.7	38.0	.182	.174	86	98	Calm	N 1	3	8	.020	└─┐ ² .
5	.379	.326	40.4	40.4	30.0	46.3	.150	.166	99	88	N 1	N 1	10	9	.070	
6	.196	30.178	32.3	41.9	28.3	42.9	.249	.219	83	94	W 1	NW 1	9	10	.270	
7	30.217	29.901	40.3	34.4	33.1	44.5	.152	.248	83	83	N 1	N 2	0	0	.050	
8	29.756	.741	31.9	31.1	29.0	38.3	.208	.166	95	78	Calm	Calm	10	3	.200	✱ before ga.
9	.585	.644	31.6	21.3	20.5	37.7	.171	.137	99	100	Calm	Calm	7	0	—	✱ before ga.
10	.691	.749	18.7	22.3	13.6	34.6	.176	.114	93	100	Calm	Calm	0	0	—	
11	.841	.922	18.8	25.4	11.6	31.6	.119	.128	97	97	Calm	E 1	7	8	—	
12	.959	.925	21.5	27.7	18.2	32.6	.103	.113	95	92	E 1	N 1	3	9	.030	
13	.728	.605	26.6	15.4	14.5	33.0	.108	.139	98	100	NE 2	N 1	6	0	—	
14	.596	.615	26.2	28.4	15.1	40.2	.141	.087	100	100	N 1	Calm	0	0	—	
15	.640	.778	29.0	30.1	28.5	41.7	.142	.156	100	91	Calm	Calm	0	0	.080	
16	.719	.668	21.0	24.8	14.8	33.3	.145	.100	100	100	Calm	Calm	0	0	—	
17	.501	.503	20.0	39.2	.201	.151	96	92	100	100	W 2	Calm	0	0	—	
18	.564	.565	30.1	20.0	39.2	.202	.165	90	99	100	Calm	Calm	0	10	.090	Partial thaw during day.
19	.363	.270	23.1	26.3	20.1	32.0	.201	.142	100	100	Calm	Calm	0	3	.210	✱ before ga.
20	.296	.474	20.3	26.7	14.7	31.2	.100	.145	100	86	E 1	Calm	0	0	—	Partial thaw during day.
21	.517	.672	33.4	30.5	26.1	39.3	.191	.145	100	97	NW 2	Calm	0	10	.050	✱ before ga.
22	.888	.882	30.1	21.6	15.0	33.1	.177	.162	100	97	W 1	Calm	0	0	—	✱ before ga.
23	.803	29.876	34.8	36.6	33.5	38.2	.087	.087	88	95	Calm	Calm	0	0	—	Thaw commenced.
24	29.935	30.121	34.1	34.3	31.0	35.3	.104	.188	100	100	E 5	SE 1	10	10	.210	Gradual thaw.
25	30.354	30.303	34.8	36.6	33.5	38.2	.174	.202	100	100	E 1	Calm	0	10	.180	Gradual thaw.
26	29.927	29.511	34.8	36.6	33.5	38.2	.202	.217	100	100	Calm	Calm	0	10	.120	[previous days.
27	.371	.386	34.6	35.4	33.3	38.3	.207	.207	99	100	S 2	S 4	10	10	.510	Skating on high road on this and
28	.477	.402	39.0	43.9	34.1	47.1	.198	.283	100	98	E 1	S 3	10	10	.340	✱ before ga.
29	.531	.233	40.1	45.8	38.5	48.4	.248	.304	100	98	SW 2	SW 3	10	10	.090	Squalls a. ✱ and ice quite gone.
30	.402	.326	47.8	48.6	45.0	51.4	.333	.335	100	86	SW 7	W 8	10	4	.010	Squalls a. and p.
31	.385	.407	50.0	50.3	54.7	.320	.313	92	86							
Means	29.748	29.733	32.0	32.1	25.7	39.6	.179	.176	95.0	93.5	1.2	1.0	6.3	4.1	2.750	

STRATHFIELD TURGISS.

Height above Mean Sea Level, 195 feet. Long. 1° 0' W. Lat. 51° 20' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	°	°	°	°	in.	in.	%	%	SW	0-1	NW	2-3	10	10	ins. °045
2	29° 808	29° 727	37°	37°	32°	42°	220	216	98	98	SW	0-1	NW	2-3	10	10	☁ ☁ p.
3	30° 021	30° 063	35°	33°	32°	40°	109	181	97	93	NW	0-1	NW	2	7	8	☁ p.
4	29° 128	29° 063	36°	36°	32°	38°	200	191	94	90	NE	2	NE	1	10	8	☁ p.
5	29° 299	29° 335	37°	35°	31°	40°	173	184	92	90	NW	1	NW	0-1	10	10	☁ ga. and p.
6	29° 134	30° 099	37°	35°	30°	42°	213	193	95	92	W	0-1	NW	1	10	4	°005
7	30° 129	29° 922	30°	33°	27°	36°	121	167	71	89	N	1	NW	2	2	10	°059
8	29° 696	29° 922	33°	33°	32°	37°	109	166	96	88	NW	1	NW	2	10	10	☁ gp.
9	29° 533	29° 922	30°	33°	27°	36°	121	167	93	87	NW	2	NW	1-2	10	10	☁
10	29° 669	29° 922	30°	33°	27°	36°	121	167	91	93	NW	0-1	Calm	0	0	0	☁ p.
11	29° 845	29° 922	30°	33°	27°	36°	121	167	91	94	Calm	0	N	1	10	10	☁ V a. ☁ p.
12	29° 911	29° 922	30°	33°	27°	36°	121	167	91	93	Calm	0	N	1	10	6	°017
13	29° 855	29° 922	30°	33°	27°	36°	121	167	88	100	Calm	0	Calm	0	10	10	☁ a. ☁ p.
14	29° 670	29° 922	30°	33°	27°	36°	121	167	95	87	SE	0-1	Calm	0	8	0	☁ V a.
15	29° 623	29° 922	30°	33°	27°	36°	121	167	85	85	SE	1	NW	2	10	0	☁ V a.
16	29° 739	29° 922	30°	33°	27°	36°	121	167	95	85	SW	1-2	W	1	8	7	☁.
17	29° 519	29° 922	30°	33°	27°	36°	121	167	98	91	Calm	0	Calm	0	10	10	°063
18	29° 505	29° 922	30°	33°	27°	36°	121	167	85	89	Calm	0	NW	1	10	0	☁ a.
19	29° 386	29° 922	30°	33°	27°	36°	121	167	94	91	SW	2-3	W	1	10	0	☁
20	29° 236	29° 922	30°	33°	27°	36°	121	167	81	90	W	2	W	1	5	0	☁
21	29° 613	29° 922	30°	33°	27°	36°	121	167	89	94	NW	1	Calm	0	10	10	☁ a.
22	29° 864	29° 922	30°	33°	27°	36°	121	167	83	83	Calm	0	Calm	0	10	0	☁
23	29° 801	29° 847	33°	33°	27°	36°	179	198	82	87	SW	2	NW	1	10	0	☁
24	29° 901	30° 057	22°	20°	15°	34°	102	103	85	86	NW	1	NW	1	0	0	☁
25	30° 356	30° 381	18°	10°	10°	20°	077	057	80	84	Calm	0	NW	1	0	7	☁ ga. and p.
26	30° 100	29° 617	28°	32°	8°	32°	122	166	80	92	SE	2	E	1	10	10	°025
27	29° 455	29° 448	41°	44°	31°	45°	257	293	100	100	S	1	SW	1	10	10	°415
28	29° 422	29° 355	43°	38°	34°	45°	274	213	98	93	SW	1	SW	1	10	10	°123
29	29° 654	29° 405	40°	42°	33°	47°	241	239	96	87	SW	2	SW	1	10	10	°184
30	29° 488	29° 499	38°	46°	33°	49°	225	298	98	97	SW	1	SW	2	8	10	°133
31	29° 494	29° 533	52°	50°	45°	55°	365	349	93	95	SW	2-3	SW	3-4	8	10	°066
31	29° 587	29° 584	51°	49°	47°	53°	318	308	83	90	SW	3-4	SW	2-3	7	10	°213
Means	29° 753	29° 732	32°	31°	26°	37°	176	173	90°	91°	1°	1°	8°	6°	1°	493	

RAMSGATE.

Height above Mean Sea Level, 105 feet. Long. 1° 25' E. Lat. 51° 20' N.

DECEMBER 1878.

1	29° 936	29° 729	39° 9	39° 0	34° 2	40° 3	*224	*218	91	92	S	2	Calm	0	10	10	'110
2	29° 976	29° 998	40° 0	38° 5	36° 8	43° 3	*215	*219	87	94	NE	1	NW	2	10	10	'320
3	30° 112	30° 207	39° 1	40° 9	35° 1	42° 0	*205	*181	86	71	NE	3	NE	3	6	2	'100
4	'183	30° 138	40° 0	40° 4	37° 1	42° 2	*215	*226	87	91	NW	3	NW	4	10	10	'020
5	'074	29° 987	36° 9	39° 9	34° 5	40° 8	*199	*228	91	93	NW	2	NE	6	8	10	'150
6	30° 034	'898	33° 3	33° 2	32° 1	40° 2	*160	'158	85	84	W	4	SW	3	8	10	'160
7	29° 654	'561	35° 0	35° 0	32° 0	40° 2	*190	'183	94	89	NW	3	NW	1	10	10	'050
8	'456	'528	33° 1	33° 7	31° 9	36° 4	'174	'179	92	96	NW	2	NW	1	10	10	'330
9	'642	'743	31° 6	30° 3	29° 4	34° 2	'161	'158	91	94	W	2	NW	2	10	10	—
10	'842	'894	29° 5	28° 6	26° 5	31° 2	'146	'152	90	100	W	1	W	1	10	10	'150
11	'850	'850	30° 8	31° 2	26° 1	35° 7	'170	'144	99	82	W	2	Calm	0	10	7	'040
12	'845	'748	28° 8	29° 9	25° 8	34° 8	'146	'157	93	95	W	2	SW	5	10	5	—
13	'795	'746	28° 7	33° 0	25° 6	35° 5	'111	'154	71	82	E	4	NE	1	5	5	—
14	'612	'607	30° 7	33° 7	29° 0	34° 3	'130	'167	75	86	NE	2	NE	4	10	8	—
15	'713	'657	29° 0	31° 0	21° 1	35° 8	'142	'164	89	99	W	4	Calm	0	5	0	'040
16	'528	'472	35° 4	33° 2	28° 4	37° 0	*205	*187	99	90	S	1	Calm	0	10	10	'470
17	'453	'518	27° 4	27° 2	25° 7	34° 0	'140	'135	94	92	NW	2	W	4	4	0	—
18	'434	*205	34° 5	35° 2	24° 6	38° 3	'158	'182	78	88	S	3	SW	2	5	3	—
19	'194	'428	33° 8	34° 2	31° 1	38° 5	'166	'169	85	85	SW	3	SW	4	4	1	—
20	'512	'649	30° 0	31° 0	27° 3	34° 7	'164	'171	98	99	W	4	Calm	0	10	10	—
21	'789	'873	29° 7	27° 5	26° 2	31° 9	'162	'131	98	88	W	2	W	2	10	0	—
22	'795	29° 828	34° 8	26° 0	25° 2	38° 8	'163	'137	80	98	SW	4	W	2	5	0	—
23	29° 875	30° 016	24° 2	25° 0	21° 6	31° 7	'112	'120	87	90	W	2	W	1	0	0	—
24	30° 329	30° 404	30° 2	19° 9	19° 4	34° 0	*160	'103	95	96	W	3	NW	2	8	0	—
25	30° 174	29° 774	33° 0	34° 0	19° 1	34° 8	'152	'183	81	93	E	2	E	5	10	10	'040
26	29° 539	'513	40° 8	44° 0	32° 8	44° 6	*253	*284	100	98	S	3	S	3	8	7	'120
27	'446	'545	43° 0	39° 8	37° 6	45° 2	*277	*229	100	94	Calm	0	Calm	0	10	10	'140
28	'678	'584	39° 7	42° 3	36° 6	46° 2	*230	*259	94	96	SW	1	SW	5	5	5	'060
29	'568	'640	45° 7	45° 3	41° 1	49° 3	*286	*278	94	92	SW	4	SW	6	10	8	'050
30	*514	'602	51° 1	50° 7	43° 4	53° 7	*367	*340	94	98	SW	6	SW	7	10	10	'090
31	29° 620	29° 620	51° 0	50° 0	47° 8	52° 3	*317	*305	85	85	SW	8	SW	7	8	10	'170
Means	29° 745	29° 743	35° 2	34° 9	30° 5	39° 0	'190	'190	89° 9	91° 4	2° 7	2° 7	8° 0	6° 5	2° 590		

Δ^2 9.30a.—0.45a.

Squalls p.

with squalls p.

before 9a.

5.30p. $\frac{1}{2}$ in. deep at 9p.

early a.

9p.

a. and p. Δ .

0 n.

before 9a.

0 4p.

9p.

before 9a. Squalls a. and p.

nearby all day. * evening.

before 9a. \sqcup .

with squalls p. * Δ \bullet

with squalls p.

with squalls all day.

with squalls all day.

SOUTHAMPTON.

Height above Mean Sea Level, 74 feet. Long. 1° 24' W. Lat. 50° 55' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.	
	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	Min.	Max.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.	9.30 p.m.	9.30 a.m.		
	ins.	ins.	37°	38°	34°	39°	ins.	ins.	%	%					ins.		
1	29° 821	29° 727	37° 5	38° 1	34° 9	39° 5	210	205	94	89	Calm	0	NE	2	10	10	ins. 0.045
2	30° 026	30° 064	36° 8	34° 8	33° 5	43° 8	189	170	87	84	NE	1	NW	1	10	0	Fine and dry.
3	29° 115	29° 227	37° 2	37° 4	33° 7	42° 9	185	185	83	83	NE	1	NE	2	7	10	∞ 3.30p.
4	29° 292	29° 243	34° 5	34° 2	33° 7	38° 6	170	166	85	83	N	1	NW	2	0	9	Beautiful day, but cold. ∞ 3.30p.
5	29° 143	30° 104	36° 1	36° 2	32° 6	40° 2	188	187	88	87	NW	1	NW	2	10	1	Raw cold, damp.
6	30° 145	29° 908	31° 3	35° 8	29° 1	44° 0	117	181	66	86	NW	2	SW	1	1	10	✱ ⁰ 9p.—9.30p.
7	29° 698	29° 637	37° 1	33° 7	30° 8	37° 6	205	156	93	80	N	1	NW	2	10	10	—
8	29° 520	29° 595	31° 0	32° 8	29° 0	38° 1	131	146	75	78	N	1	N	2	9	10	Day fine.
9	29° 683	29° 731	29° 5	28° 0	27° 9	34° 2	126	115	77	75	NW	1	Calm	0	1	1	Beautiful day. 12 9.30p.
10	29° 838	29° 790	29° 9	27° 2	24° 5	36° 1	133	133	95	90	NE	1	NE	1	9	9	12. Very cold.
11	29° 910	29° 873	28° 8	31° 0	25° 5	27° 7	135	148	86	85	N	1	NE	1	9	9	✱ ⁰ 3.45p. and 4.45p.
12	29° 837	29° 663	28° 2	28° 2	27° 7	32° 7	143	143	93	93	NE	0.5	NE	0.5	10	0.15	all day. ✱ ⁰ 9.30p. [9.30p.
13	29° 658	29° 650	29° 8	28° 8	27° 2	30° 6	144	114	86	73	NE	0.5	NW	2	10	0	∞ round horizon 3.30p. Large U ⁰
14	29° 582	29° 701	28° 2	26° 3	25° 6	33° 4	107	111	70	78	NE	1	NW	2	10	0	✱ ⁰ 9.30a. [✱ flakes at 2.15p. 2.30p.
15	29° 775	29° 639	29° 6	33° 4	22° 2	30° 5	127	179	78	94	Calm	0	SW	0.1	9	10	✱ ⁰ 2p.—3p. mingled with large
16	29° 507	29° 464	32° 0	32° 2	29° 2	38° 5	177	174	97	95	Calm	0	NE	2	10	10	✱ ⁰ 9.30a. 9.30a. 3.30p., cleared
17	29° 593	29° 577	26° 8	28° 5	24° 8	36° 4	112	128	78	83	N	1	NW	1	8	0	∞ 9.30a. Day fine. [by 9p.
18	29° 406	29° 269	39° 9	35° 8	26° 5	40° 1	212	181	87	86	SW	2	W	2	10	8	✱ ⁰ till 9.15a. Fine from 11a.
19	29° 277	29° 468	34° 2	32° 7	31° 5	41° 5	158	161	80	87	W	1	NW	1	5	0	9.30a.
20	29° 409	29° 648	24° 8	29° 8	23° 9	39° 7	117	152	87	91	N	0.1	NE	1	1	10	9.30a. 3p.
21	29° 839	29° 907	28° 6	29° 8	24° 8	33° 5	131	147	84	88	NW	1	NW	1	10	0	∞ round horizon in afternoon.
22	29° 826	29° 868	36° 5	29° 4	27° 9	36° 6	179	136	83	83	W	3	NW	1	10	0	2p.—3p. Clear frosty night.
23	29° 924	29° 907	27° 3	26° 1	40° 9	39° 7	118	108	80	76	NW	1	NW	1	1	0	9.30a. ✱ 2.30p.—3.20p. 13.30p.
24	30° 340	30° 330	28° 1	26° 2	22° 8	36° 0	129	101	85	64	N	0.1	NE	1	6	0	∞ 2.30p.
25	30° 054	29° 615	34° 3	37° 8	25° 8	34° 6	165	190	83	84	SE	3	SE	3	10	10	✱ ⁰ 10a.—1p. Roads very slippery
26	29° 408	29° 454	46° 0	46° 2	33° 5	46° 4	283	301	92	97	S	5	SW	1	10	10	✱ ⁰ 9.30a. [9p.
27	29° 433	29° 357	42° 2	45° 9	42° 2	48° 2	252	302	93	98	NW	3	SW	3	10	10	6p.—9p.
28	29° 656	29° 403	43° 2	44° 4	37° 7	47° 1	268	265	96	91	SW	1	SE	3	10	10	✱ ⁰ a.
29	29° 490	29° 507	39° 4	40° 9	38° 1	47° 1	227	304	95	95	NE	0.5	SW	3	6	10	✱ ⁰ a. from 4p.
30	29° 535	29° 580	51° 5	50° 1	38° 9	51° 6	352	336	93	93	SW	2	SW	2	10	10	Very stormy with ✱ ⁰ n.
31	29° 634	29° 671	51° 9	50° 7	49° 1	52° 4	326	304	85	83	SW	5	SW	6	10	5	Wind increasing 9.30a.
Means	29° 754	29° 737	34° 5	34° 8	30° 3	39° 4	178	181	85° 6	85° 5	1° 3		1° 8	7° 7	6° 4	1° 663	

DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	38°0	34°4	34°4	39°6	ins.	ins.	100	85	SW 1	N 7	10	0	ins.	☁ a. ▲ p.
2	29°804	29°762	31°5	32°2	31°2	39°4	162	159	93	88	NE 4	N 2	2	0	—	
3	128	109	32°4	29°2	28°8	39°4	152	156	83	97	NE 2	E 4	8	9	—	
4	343	317	30°4	31°2	28°2	39°4	148	160	90	92	NE 2	E 2	0	8	—	
5	189	30°158	38°0	36°4	29°2	38°8	221	199	96	93	NW 2	W 3	0	7	0.30	☁ ga.
6	30°221	29°995	27°4	32°6	25°6	38°6	125	168	85	91	NE 1	SE 1	3	0	0.420	☁ ga.
7	29°738	734	34°8	28°8	27°2	38°2	189	142	94	90	E 2	N 3	8	0	—	☁ before ga. * 2 during day, turning
8	571	647	28°6	25°4	25°0	35°4	151	123	96	90	N 1	N 1	0	8	—	* before ga. [to 11 p.
9	723	695	26°6	26°0	21°5	34°2	138	141	95	100	Calm	Calm	0	5	0.210	* 11 a.—2 p.
10	827	894	21°4	17°6	15°0	30°0	100	089	89	93	Calm	Calm	0	2	0	—
11	922	924	21°4	23°4	16°2	28°4	111	121	98	97	Calm	Calm	0	4	5	—
12	841	632	22°6	26°0	19°0	36°5	106	141	90	100	Calm	Calm	0	0	0.080	☁ ga.
13	616	541	24°4	30°0	24°0	33°9	131	161	100	97	Calm	SE 4	7	10	—	* before ga.
14	493	758	24°2	21°6	21°0	31°4	130	101	100	89	E 6	NE 1	10	0	—	* before ga.
15	811	665	30°6	31°9	20°2	35°8	166	180	97	100	NW 2	W 3	5	10	0.720	* 2 p.
16	494	473	33°4	30°8	29°0	38°4	191	172	100	100	Calm	Calm	0	10	—	☁ ga.
17	540	631	25°0	28°4	21°8	32°2	127	156	95	100	NE 2	NE 1	0	0	—	☁ ga.
18	446	346	34°2	32°4	27°0	34°8	197	184	100	100	W 2	W 2	10	10	0.510	☁ all day.
19	370	493	31°6	28°4	28°4	35°4	168	156	95	100	NW 1	NW 1	10	0	0.090	* a. and p.
20	520	672	24°4	25°0	23°4	34°9	131	120	100	90	Calm	Calm	0	0	—	☁ ga.
21	869	961	24°4	27°9	23°1	35°6	117	140	90	92	Calm	Calm	0	0	0.070	* a. and p.
22	869	29°902	31°4	27°9	24°0	35°4	176	125	100	82	WNW 4	W 2	10	0	0.190	☁ ga.
23	29°970	30°099	26°7	27°6	22°5	33°8	125	145	87	96	Calm	N 5	0	0	—	☁ ga.
24	30°307	30°232	26°1	29°2	18°6	33°2	139	161	98	100	NE 1	E 5	0	10	0.100	☁ ga.
25	29°963	29°532	31°0	34°4	29°0	34°4	174	199	100	100	E 5	Calm	0	10	0.570	* before ga. ☁ ga. and p.
26	391	413	41°0	42°4	34°0	45°4	257	271	100	100	W 2	Calm	0	10	0.510	☁ all day.
27	515	436	35°2	40°0	34°5	43°0	205	230	100	94	W 4	W 7	10	10	0.140	☁ a. and p.
28	582	298	42°4	41°2	38°5	43°0	271	259	100	100	SW 2	SE 5	10	10	1.240	☁ before ga.
29	430	408	39°8	44°4	36°0	44°4	245	293	100	100	SE 1	SE 6	8	10	0.740	☁ p.
30	505	520	46°4	47°4	43°4	48°8	316	328	100	100	S 2	S 7	10	10	0.250	☁ all day.
31	29°505	29°685	45°4	45°0	45°0	47°4	304	295	100	98	S 6	W 9	10	10	0.680	☁ a. (half a gale) all day. [Squally p.
Means	29°761	29°747	31°3	31°6	27°2	37°0	174	176	95°8	95°3	1°8	2°6	5°5	5°4	7°020	

BABBACOMBE.

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

DECEMBER 1878.

1	29°852	29°770	40°0	39°1	36°1	45°7	237	199	96	84	W 2	N 5	10	9	0.070	☁ a. (2.54 p. Squalls p.
2	30°036	30°118	37°3	37°3	36°6	43°7	184	188	83	85	NNE 4	N 3	0	9	—	☁ a. and p. ☁ ga. and p.
3	133	231	37°1	35°9	34°2	38°1	183	184	83	88	NNE 3	NNE 3	10	7	—	☁ a. and p. Squally p.
4	337	318	37°5	34°3	33°5	43°0	176	166	78	84	NNE 2	NW 1	0	7	—	☁ a. and p.
5	193	30°161	36°4	39°8	30°2	43°9	200	218	94	90	SW 1	NW 2	10	9	—	☁ to ga. ☁ ga. ☁ ga.
6	30°217	29°969	34°0	36°9	30°3	39°9	137	188	70	86	NNW 2	WSW 5	3	9	0.010	☁ to ga. ☁ ga. ☁ ga.
7	29°722	710	39°6	33°4	33°2	41°9	211	137	87	71	NN 4	NNW 4	8	0	—	☁ p. ☁ ga. ☁ ga.
8	563	631	33°9	33°9	29°1	38°9	163	130	83	67	NN 2	N 3	1	10	—	* shower n. ☁ a.
9	714	702	30°0	31°1	26°8	39°9	145	159	80	92	WNW 2	NNE 2	3	9	0.130	☁ a. ☁ 3.30 p. * 2 a. p. *
10	825	873	27°6	26°9	24°1	31°6	138	123	92	85	NNE 1	NNE 2	8	9	—	* a. and p. ☁ ga. and p.
11	929	909	26°6	29°2	20°6	32°4	131	136	91	84	NNE 2	NNW 2	10	10	—	* a. and p. ☁ ga. and p.
12	844	633	26°0	24°3	24°3	31°7	141	131	100	100	NW 1	Calm	0	10	0.170	* n. Scotch ☁ to 1 a. ☁ 10.30 a.—
13	608	565	31°9	37°1	23°1	37°4	173	156	96	71	NE 1	ESE 5	9	10	0.230	[11.30 a.
14	492	767	31°9	25°0	25°9	37°3	171	107	95	79	ENE 7	N 1	10	0	—	* n. and a. 2 1/2 ins. deep ga. ☁ a. p.
15	806	645	31°2	35°2	20°6	39°3	146	199	83	97	SW 2	WSW 3	6	10	0.260	* 1 p. and 1.30 p. ☁ 2 p. ☁.
16	493	484	36°0	34°2	33°3	43°8	208	181	98	91	Calm	NNE 2	10	10	—	☁ a. and p. ☁ 2 p.
17	539	626	31°4	28°9	28°0	38°9	128	147	73	93	NNW 2	SW 1	1	0	0.010	☁ a. and p. ☁ 2 p.
18	421	337	39°0	35°8	28°0	41°3	224	188	94	90	WSW 5	WSW 1	9	9	0.070	☁ ga. ☁ 2.20 a. ☁ 2 p.
19	352	494	36°9	31°7	31°7	42°6	174	149	80	83	WNW 2	WSW 2	2	1	—	☁ a. and p. ☁.
20	512	657	27°6	29°8	24°7	41°9	144	149	96	88	W 1	NW 1	1	2	—	☁ a. and p. ☁ all day.
21	875	964	29°0	30°0	27°1	40°9	140	145	87	86	WSW 2	WSW 2	0	1	—	* late p. ☁.
22	854	29°915	35°6	29°3	28°9	43°9	174	139	83	87	W 3	Calm	0	8	1.00	Squally a. ☁ showers. ☁ 10 a.—
23	29°975	30°107	29°3	31°2	26°2	42°2	148	151	91	86	W 1	NW 2	5	0	0.010	[11.30 a. ☁ 1.18 a. and 1.20 p. ☁ p.]
24	30°330	30°249	30°4	38°8	27°8	38°8	151	179	89	77	NE 2	E 4	3	8	0.050	☁ a. ☁ shower 3.5 p. ☁ 3.55 p.
25	29°940	29°533	37°9	42°4	34°1	42°4	204	267	90	99	E 6	SSE 2	10	10	0.650	☁ a. ☁ midday. ☁ a. and p.
26	389	425	47°4	46°9	42°2	49°7	328	319	100	100	SW 3	SSW 2	10	10	0.060	☁ a. and p., with drizzling rain.
27	512	449	40°1	44°0	39°8	47°1	233	252	94	87	W 3	WSW 6	10	1	0.180	☁ a. ☁ Squalls ☁.
28	607	308	44°3	45°6	43°0	48°9	287	296	99	97	SW 2	SSE 5	8	10	0.580	☁ ga.—10 a. ☁ to 10 a. ☁ a. and
29	451	438	41°8	47°5	36°9	47°8	258	317	98	97	ENE 1	SSW 6	9	10	0.250	☁ a. ☁ 9.30 a.—10 a. ☁ 6 p. in
30	501	542	50°9	50°9	47°0	52°8	342	360	92	97	WSW 6	SW 6	9	10	0.190	☁ n. and p. ☁ Squally.
31	29°619	29°697	51°0	49°9	48°3	51°8	331	302	89	85	WSW 8	WSW 8	9	9	0.250	☁ in squalls a. and p. ☁ a. ☁
Means	29°763	29°749	35°8	36°0	31°4	41°9	194	192	89°4	87°3	2°6	2°9	6°5	6°5	5°210	

ST. AUBIN'S, JERSEY.

Height above Mean Sea Level, 139 feet. Long. 2° 10' W. Lat. 49° 11' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative 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.	°	°	°	°	in.	in.	%	%	Calm	°	NNW	3	9	9	ins.	☁ (SE.) ga. ▲ 8.40p. and later.
2	29°917	29°690	43°9	40°9	39°4	47°3	249	235	87	92	NE	2	NE	2	10	2	0.048	
3	29°967	30°082	42°4	41°9	40°2	43°7	245	235	91	75	N by E	2	NE	4	9	10	0.050	
4	30°065	156	40°4	38°5	37°2	42°9	203	188	83	88	NE	3	NNE	3	8	10	—	Fair, but cold.
5	272	295	42°6	42°5	35°0	44°6	203	208	75	70	NW	1	N by E	3	5	6	0.013	☁ 2.30a. and 3.45a. ☁ ☁ p.
6	227	137	44°9	44°9	38°2	50°8	204	208	69	70	NW	1	N by E	3	4	6	0.200	☁ p. [11.30a. ☁ 2 * 7p.
7	30°188	30°065	40°4	40°0	37°0	44°9	164	179	65	72	N by E	3	NW	1	4	6	0.110	☁ showers from 1a. ☁ ☁ from
8	29°712	29°669	44°0	39°1	37°2	44°8	244	160	84	68	N	2	N	3	9	7	0.115	* 7.45a. Day very fine. ☁ 5p. ☁ 2.
9	578	591	38°1	36°3	32°4	39°6	156	155	68	72	N	1	NNE	2	8	10	0.367	* 7.45a. Day very fine. ☁ 5p. ☁ 2.
10	725	725	32°9	34°5	32°1	44°6	173	176	92	88	NE	1	E	2	7	10	—	[☁ 8.50p.—10p.
11	792	844	36°1	31°3	30°8	39°3	179	143	84	81	E	2	E	3	5	1	0.005	* 2 inches deep ga. ☁ ga. Day
12	885	895	32°4	32°0	27°5	41°8	132	162	72	90	NE	1	Calm	0	1	3	0.260	* 11.45a. and 4p. ☁ very fine.
13	853	691	35°0	33°9	30°1	38°7	184	137	90	71	Calm	0	S	2	7	2	0.020	* 7.50a. ☁, blue lightning. (com-
14	665	624	30°5	34°8	28°0	36°6	131	153	77	75	E	1	SE	4	1	10	0.038	[municated] 4a.—5a. ☁ Sp.
15	485	688	36°2	36°1	31°6	37°4	206	144	96	67	SE	3	E	3	10	9	0.008	☁ (force 5—7), from 10p. ☁ 0. ☁
16	885	774	37°0	44°0	33°0	47°3	215	145	77	74	NW	1	SW	5	4	10	0.246	☁ showers from 7p. ☁ very fine.
17	549	480	39°8	39°2	36°9	44°2	215	224	88	93	S	4	S	1	10	10	0.365	* 0 a. ☁ at night.
18	484	667	37°7	36°0	35°5	40°0	189	275	83	82	NNE	3	NE	1	5	3	0.084	☁ 7.35a. ☁ p. [at night,
19	415	424	41°7	43°2	34°0	46°0	232	162	88	93	W	5	W	6	4	10	0.640	☁ (force 6—8). ☁ 1.35p. ☁ 0
20	519	559	40°5	37°4	36°7	47°9	188	187	75	84	NNW	2	N	1	8	3	0.097	☁ 9.10a. and at intervals. ☁ 0 Sp.
21	519	29°681	37°2	38°5	33°8	47°1	198	192	89	83	Calm	0	NE	2	8	9	0.019	☁ 5a. and at times. ☁ 0 a. Day
22	853	30°010	36°9	37°2	34°9	41°7	183	184	84	83	NE	1	NE	1	4	10	0.140	☁ 0p. ☁ to 9.40p. ☁ extremely fine.
23	974	29°933	42°2	39°9	34°6	46°1	205	224	77	91	W	4	W	1	4	8	0.184	☁ early a. ☁ 0 ☁ at intervals.
24	993	30°102	37°7	36°1	33°9	44°5	176	141	77	66	N by W	1	NE	2	9	0	0.007	☁ during day.
25	30°328	30°287	35°1	34°0	32°3	38°4	155	156	75	79	NE	1	E	5	9	0	0.008	Partial coloured ☁ 10.35a. Very fine
26	29°912	29°649	37°2	31°9	31°3	41°3	132	223	59	86	E	7	SE	3	10	10	0.011	☁ a. Day extremely fine. ☁ at night.
27	546	525	47°1	45°5	40°5	50°8	310	293	96	97	S by W	3	SW	2	5	10	0.062	☁ 0 a. and a. ☁ a. Cold, but
28	574	601	45°5	47°6	44°0	48°6	266	282	88	86	WNW	3	SSW	2	10	0	0.090	[temperature rising all day.
29	718	408	44°9	46°5	42°4	47°6	279	290	89	89	S by E	2	SE	3	1	10	0.120	☁ 2 a. ☁ at night.
30	540	596	44°6	47°0	43°0	49°6	279	293	94	92	SE	2	S	3	10	10	0.276	☁ ☁ at times in evening.
31	694	734	50°3	50°3	46°1	54°8	305	339	100	93	SW	3	SW	3	10	10	0.312	Scotch ☁ to ga. ☁ showers.
32	29°848	29°917	50°6	52°1	48°0	54°8	318	312	86	80	SW	4	WSW	7	10	10	—	Squally all day. ☁ [in squalls 11p.
Means	29°799	29°790	40°2	40°1	36°1	44°7	210	207	82°5	81°6	2°2		2°7	6°9	7°0	4°288		

DUBLIN.

Height above Mean Sea Level, 51 feet. Long. 6° 15' W. Lat. 53° 20' N.

DECEMBER 1878.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Amount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	40.2	38.6	37.0	44.6	ins.	ins.	93	93	W 3	N 3	9	0	ins.	☁ p.
2	29.866	29.978	40.2	38.6	37.0	44.6	232	217	93	93	W 3	N 3	9	0	29.866	☁ p. ☁ a and p. ☁ p.
3	30.162	30.216	36.1	35.3	34.9	39.3	200	199	94	97	W 2	W 2	8	2	30.162	Frequent ☁ ☁ showers a. ☁ a. [and gp.]
4	254	341	37.9	38.1	34.9	42.2	209	205	92	89	NW 2	ENE 1	9	3	254	☁ a.
5	420	334	28.3	37.1	27.1	38.3	138	205	91	93	W 2	W 2	0	10	420	☁ frequently p.
6	273	30.333	36.2	35.9	35.4	43.2	199	162	93	77	W 3	NW 3	3	3	273	☁ early a.
7	30.238	29.925	34.2	40.8	29.3	41.2	156	237	79	94	W 3	W by S 3	8	9	30.238	☁ early a. ☁ between 4p. and 5p.
8	29.896	37.5	32.9	32.9	32.1	41.2	197	170	88	89	NW 3	NW 3	9	6	29.896	☁ early a. ☁ between 4p. and 5p.
9	666	771	32.1	28.3	28.2	34.8	161	123	88	80	NNW 2	NW 3	2	0	666	☁ early a. ☁ between 4p. and 5p.
10	679	818	30.3	29.2	27.1	35.3	156	148	93	92	NNW 3	WNW 2	7	1	679	☁ early a. ☁ between 4p. and 5p.
11	29.872	963	27.5	26.6	26.0	34.0	130	129	86	89	WNW 1	Calm 0	5	5	29.872	☁ early a. ☁ between 4p. and 5p.
12	30.036	968	27.1	25.9	22.3	32.2	124	123	85	88	WNW 2	W 3	10	4	30.036	☁ early a. ☁ between 4p. and 5p.
13	29.739	552	29.3	30.1	23.0	31.9	131	157	82	94	W by S 3	W 1	10	5	29.739	☁ early a. ☁ between 4p. and 5p.
14	550	627	28.1	34.1	24.9	36.2	148	179	96	90	SE 1	SSE 2	6	5	550	☁ early a. ☁ between 4p. and 5p.
15	717	778	33.1	28.1	23.8	34.3	170	120	90	79	Calm 0	W 4	8	0	717	☁ early a. ☁ between 4p. and 5p.
16	703	584	32.4	32.9	27.4	35.4	178	173	97	92	W 3	WNW 1	10	10	703	☁ early a. ☁ between 4p. and 5p.
17	550	598	25.1	18.2	18.2	33.2	136	96	100	97	WNW 2	W by N 3	9	0	550	☁ early a. ☁ between 4p. and 5p.
18	638	469	22.1	32.4	15.6	32.8	111	160	94	87	W by N 3	W by S 5	7	0	638	☁ early a. ☁ between 4p. and 5p.
19	313	246	32.3	33.3	31.7	36.5	178	166	97	87	W 4	W by N 6	2	3	313	☁ early a. ☁ between 4p. and 5p.
20	335	462	31.7	30.8	30.6	34.9	160	163	90	94	W by N 3	W by N 3	4	0	335	☁ early a. ☁ between 4p. and 5p.
21	539	740	23.1	26.4	22.0	30.8	115	137	97	96	WNW 2	WNW 3	9	10	539	☁ early a. ☁ between 4p. and 5p.
22	936	846	26.4	32.1	23.9	32.3	137	150	96	82	W by N 3	W 5	8	2	936	☁ early a. ☁ between 4p. and 5p.
23	839	29.906	27.2	28.5	27.0	34.5	140	147	95	95	W 2	W by N 5	0	10	839	☁ early a. ☁ between 4p. and 5p.
24	29.982	30.204	26.1	25.2	24.0	28.9	136	127	96	93	W by N 3	W by N 3	0	0	29.982	☁ early a. ☁ between 4p. and 5p.
25	30.370	30.254	14.1	18.7	14.0	25.6	079	095	97	96	W 2	Calm 0	0	7	30.370	☁ early a. ☁ between 4p. and 5p.
26	29.974	29.614	34.1	33.3	18.6	36.2	155	183	78	96	SE 4	ESE 3	10	10	29.974	☁ early a. ☁ between 4p. and 5p.
27	435	478	33.3	35.2	32.2	36.1	186	190	98	92	W 1	N 3	9	10	435	☁ early a. ☁ between 4p. and 5p.
28	503	387	33.3	33.7	32.5	35.7	184	184	97	94	WNW 1	Calm 0	9	10	503	☁ early a. ☁ between 4p. and 5p.
29	423	229	35.4	40.7	32.3	43.4	207	239	100	94	Calm 0	S 3	10	10	423	☁ early a. ☁ between 4p. and 5p.
30	336	135	34.7	43.4	32.0	43.5	196	271	97	96	Calm 0	SSE 7	5	10	336	☁ early a. ☁ between 4p. and 5p.
31	183	176	49.3	50.2	42.6	52.5	277	298	78	83	WSW 6	SW 4	0	4	183	☁ early a. ☁ between 4p. and 5p.
Means	29.762	29.747	31.9	33.0	28.4	37.2	168	176	91.5	90.6	2.4	3.0	6.2	5.1	29.762	☁ early a. ☁ between 4p. and 5p.

BIRR CASTLE, PARSONSTOWN.

Height above Mean Sea Level, 182 feet. Long. 7° 55' W. Lat. 53° 6' N.

DECEMBER 1878.

1	29.938	30.030	42.9	37.5	37.2	46.3	—	—	—	—	NW 3	NW 3	10	1	29.938	☁ p.
2	30.193	251	32.7	30.3	29.3	42.1	—	—	—	—	SSE 0.5	SSW 0.5	3	5	30.193	☁ p. ☁ a and p. ☁ p.
3	283	362	28.5	26.9	25.3	36.6	—	—	—	—	N 0.5	SSE 1	1	5	283	☁ p.
4	443	348	20.6	37.2	19.9	37.8	—	—	—	—	Calm 0	SSW 2	1	10	443	☁ p.
5	329	30.379	37.5	33.4	33.0	41.6	—	—	—	—	WNW 1	Calm 0	9	0	329	☁ p.
6	30.277	29.999	31.5	40.9	24.5	43.1	—	—	—	—	SW 0.5	WNW 3	9	10	30.277	☁ p.
7	29.968	921	36.5	32.0	31.5	41.9	—	—	—	—	NW 0.5	WNW 1	9	10	29.968	☁ p.
8	748	841	33.0	24.9	24.4	36.1	—	—	—	—	NW 3	Calm 0	3	1	748	☁ p.
9	784	849	27.9	23.8	23.4	34.9	—	—	—	—	Calm 0	Calm 0	0	1	784	☁ p.
10	29.915	29.995	26.1	18.7	18.7	33.4	—	—	—	—	Calm 0	Calm 0	10	0	29.915	☁ p.
11	30.070	30.005	17.0	20.0	15.2	23.4	—	—	—	—	Calm 0	Calm 0	0	0	30.070	☁ p.
12	29.739	29.568	27.5	26.7	17.5	31.5	—	—	—	—	Calm 0	Calm 0	10	0	29.739	☁ p.
13	536	614	24.5	30.2	23.0	34.3	—	—	—	—	N 0.5	Calm 0	10	10	536	☁ p.
14	758	826	15.6	14.9	11.0	34.2	—	—	—	—	Calm 0	Calm 0	0	0	758	☁ p.
15	741	589	27.4	31.9	14.9	34.3	—	—	—	—	Calm 0	Calm 0	6	10	741	☁ p.
16	573	638	24.7	16.2	16.0	33.3	—	—	—	—	Calm 0	Calm 0	10	10	573	☁ p.
17	685	510	20.9	28.4	15.2	29.1	—	—	—	—	WSW 1	SSW 2	1	0	685	☁ p.
18	381	360	31.7	31.7	27.4	36.5	—	—	—	—	W 1	WNW 1	2	3	381	☁ p.
19	399	480	31.2	26.1	24.9	36.3	—	—	—	—	W 1	ESE 1	4	1	399	☁ p.
20	29.566	805	19.7	23.5	18.6	36.2	—	—	—	—	N 0.5	ESE 1	5	5	29.566	☁ p.
21	30.000	913	22.2	29.9	21.3	29.9	—	—	—	—	WSW 0.5	WSW 3	4	3	30.000	☁ p.
22	29.885	29.965	28.5	20.0	20.0	34.2	—	—	—	—	Calm 0	Calm 0	1	0	29.885	☁ p.
23	30.044	30.240	26.2	20.4	15.7	30.2	—	—	—	—	Calm 0	Calm 0	4	0	30.044	☁ p.
24	30.385	30.222	10.7	8.5	7.7	30.1	—	—	—	—	Calm 0	Calm 0	3	2	30.385	☁ p.
25	29.875	29.561	35.7	32.9	8.5	36.4	—	—	—	—	ESE 4	Calm 0	10	10	29.875	☁ p.
26	462	532	32.9	31.2	30.1	34.9	—	—	—	—	NNE 1	WSW 2	10	9	462	☁ p.
27	501	369	31.2	33.2	30.1	34.5	—	—	—	—	ENE 0.5	SSE 2	9	10	501	☁ p.
28	337	227	38.2	36.4	32.9	40.8	—	—	—	—	SSW 4	SSE 0.5	10	3	337	☁ p.
29	320	027	31.9	41.9	30.4	43.0	—	—	—	—	SSE 1	SSW 5	2	10	320	☁ p.
30	175	107	43.7	47.9	41.0	52.8	—	—	—	—	SSW 3	SSE 4	1	3	175	☁ p.
31	29.150	29.449	50.0	46.9	46.3	52.1	—	—	—	—	SSW 6	WSW 5	6	7	29.150	☁ p.
Means	29.789	29.774	29.3	29.2	23.7	36.8	—	—	—	—	1.1	1.2	5.3	4.5	29.789	☁ p.

PART II.

MONTHLY SUMMARIES FROM STATIONS OF THE SECOND ORDER, 1878.

THE following is the list of Stations, the Returns from which are published as Monthly Means and Summaries on the Form, B., adopted by the International Meteorological Congress, at Rome 1879.

As in previous years the Stations, observations from which are given in the preceding pages *in extenso* on Form A., are included in this list.

The hours of observation were 9 a.m. and 9 p.m. at most of the Stations, but at Durham the hours were 10 a.m. and 10 p.m., and at Southampton 9.30 a.m. and 9.30 p.m.

The Mean Pressure is obtained by adding the mean for 9 a.m. to that for 9 p.m., and dividing by 2.

The number of days of Rain is the number of days of precipitation, without regard to the amount or to its form.

The days of Clear-sky are those days when the mean of the cloud-amounts at 9 a.m. and 9 p.m. is less than 2; when the mean is greater than 8, the day is counted as Overcast.

The days of Gale are those days when force 7 or upwards (Beaufort's scale) was recorded.

An asterisk prefixed to any Station indicates that the Returns have been furnished by the Meteorological Society.

On page 176 is given, in Part III., the Annual Summary, showing on one page the Mean Values and Totals for the Year of the various elements, as well as the Extreme Temperatures and the Maximum Rainfall.

Stations.

Observers.

Sandwich, Orkney	-	-	Rev. C. Clouston, LL.D.
Glenalmond (Trinity College)	-	-	Rev. W. Percy Robinson, D.D.
Seaham	-	-	Mr. G. H. Aird.
Durham	-	-	G. A. Goldney, Esq.
Douglas, Isle of Man	-	-	A. W. Moore, Esq.
Hull	-	-	Rev. W. P. Mackay, M.D.
*Wakefield	-	-	H. Clarke, L.R.C.P., F.S.S.
Prestwich (near Manchester)	-	-	T. R. H. Clunn, M.D.
*Kelstern	-	-	D. G. Briggs, Esq.
*Llandudno	-	-	J. Nicol, M.D.
*Buxton	-	-	E. J. Sykes, F.R.A.S.
*Cheadle, Stafford	-	-	J. C. Phillips, Esq.
*Hillington, Norfolk	-	-	Rev. H. Ffolkes, M.A.
Leicester	-	-	W. J. Harrison, F.G.S.
Uppingham, Rutlandshire	-	-	Rev. G. H. Mullins, M.A.
Oscott	-	-	Rev. S. J. Whitty, B.A.
*Churchstoke	-	-	P. Wright, F.C.S.
*Hereford	-	-	T. A. Chapman, M.D.
*Audley End, Essex	-	-	Mr. J. Bryan.
*Carmarthen	-	-	G. J. Hearder, M.D.
Chigwell Row, Essex	-	-	J. Campbell, Staff Surgeon, R.N.
*Marlborough, Wilts	-	-	Rev. T. A. Preston, M.A.
*Strathfield Turgiss, Hants	-	-	Rev. C. H. Griffith.
*Ramsgate	-	-	Rev. A. E. O'Gara, O.S.B.
Folkestone	-	-	A. Henry Taylor, Esq.
Southampton	-	-	Col. A. C. Cooke, R.E., C.B.
Hastings	-	-	Alex. E. Murray, F.M.S.
*Dartmoor	-	-	R. E. Power, L.R.C.P.
*Babbacombe, Devon	-	-	E. E. Glyde, Esq.
St. Aubin's, Jersey	-	-	J. E. Vibert, M.A.
Markree Castle, Sligo	-	-	E. Salles, for Colonel Cooper, F.R.A.S.
Dublin	-	-	J. W. Moore, M.D.
Birr Castle, Parsonstown	-	-	J. Dreyer, M.A., and W. Harding, for Earl of Rosse, F.R.S.

SANDWICK -

Long. 3° 18' W. Lat. 59° 2' N. Height above Mean Sea Level, 94 feet.

1878.	Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					Min.	Max.	Min.	Day.	Max.	Day.							
At 32°F.	ins.											in.	in.	in.	%	%	%
29.777✓	29.882	39.4	39.0	39.2	36.2	43.7	24.5	25th	51.0	3rd	21.4	21.4	21.4	89	90	90	
883✓	.987	42.9	42.1	42.5	39.3	46.3	31.0	26th	51.5	17th	24.6	23.4	24.0	89	88	89	
762✓	.867	39.8	37.9	38.9	35.1	43.3	25.3	24th	50.9	4th	20.9	20.1	20.5	86	89	88	
779✓	.883	45.3	42.3	43.8	39.4	49.2	28.8	1st	57.0	16th	25.9	24.4	25.2	86	91	89	
592✓	.695	49.6	46.3	48.0	43.4	53.7	34.7	21st	60.4	15th	28.2	26.8	27.5	80	86	83	
820✓	.922	54.2	51.8	53.0	47.5	58.4	36.8	7th	73.0	25th	31.5	31.3	31.4	75	81	78	
855✓	.957	55.3	53.9	54.6	51.5	58.7	46.3	3rd	65.1	31st	36.9	35.4	36.2	84	86	85	
688✓	.789	58.1	54.7	56.4	52.0	61.8	41.4	20th	69.5	1st	38.4	37.2	37.8	79	87	83	
613✓	.715	53.6	52.0	52.8	49.4	57.5	42.6	21st	65.0	8th	32.8	31.3	32.1	79	81	80	
436✓	.539	49.1	48.3	48.7	45.4	52.5	33.6	29th	59.0	9th	29.3	31.4	30.4	84	93	89	
702✓	.805	38.2	38.5	38.4	35.1	42.8	27.0	24th	50.2	20th	20.6	20.5	20.6	90	88	89	
29.537✓	29.644	33.6	33.6	33.6	29.8	38.0	22.3	28th	45.2	4th	17.9	17.6	17.8	92	91	92	
Year -	29.807	46.6	45.0	45.8	42.0	50.5	—	—	—	—	27.4	26.7	27.1	84.4	87.6	86.0	

GLENALMOND

Long. 3° 40' W. Lat. 56° 27' N. Height above Mean Sea Level, 529 feet.

	ins.									<div>15th, 16th, 18th</div>	in.	in.	in.	%	%	%
January -	30.009	34.2	36.0	35.1	30.1	42.7	18.5	22nd	51.7		.177	.198	.188	87.2	90.5	88.9
February -	30.122	39.7	40.9	40.3	35.6	46.6	28.1	11th	54.5	<div>22nd</div>	.217	.222	.220	87.6	86.1	86.9
March -	29.993	40.3	37.6	39.0	32.6	46.2	21.0	28th	55.0	<div>7th 18th</div>	.192	.181	.187	74.0	78.0	76.0
April -	.885	43.5	41.4	42.5	36.7	51.7	26.5	6th	59.0	15th	.247	.241	.244	87.2	90.7	89.0
May -	.719	49.2	47.3	48.3	41.4	55.6	34.2	21st	61.7	18th	.277	.286	.282	79.0	87.4	83.2
June -	29.922	55.8	52.2	54.0	45.9	62.6	35.2	4th	79.3	27th	.351	.344	.348	78.1	86.8	82.5
July -	30.014	59.3	56.2	57.8	50.3	67.9	41.3	31st	80.2	20th	.389	.404	.397	76.7	89.0	82.9
August -	29.760	58.4	55.6	57.0	50.8	65.3	43.5	<div>{3rd, 9th 14th}</div>	76.7	4th	.408	.399	.404	83.6	90.2	86.9
September -	.832	54.1	50.7	52.4	46.6	60.5	38.5	28th	68.7	7th	.352	.333	.343	83.6	87.9	85.8
October -	.632	46.9	46.4	46.7	40.8	52.6	30.3	2nd	63.7	3rd	.286	.289	.288	86.9	89.3	88.1
November -	.827	37.2	36.7	37.0	32.9	41.2	22.5	29th	46.5	10th	.180	.179	.180	80.7	81.9	81.3
December -	29.687	30.5	31.4	31.0	25.6	36.0	12.5	14th	45.0	31st	.131	.143	.137	74.8	79.0	76.9
Year -	29.867	45.8	44.4	45.1	39.1	52.4	—	—	—	—	.267	.268	.268	81.6	86.4	84.0

SEAHAM

Long. 1° 19' W. Lat. 54° 50' N. Height above Mean Sea Level, 60 feet.

	ins.										in.	in.	in.	%	%	%
January -	30°033	38°9	39°4	39°2	34°8	44°6	21°3	25th	53°4	21st	215	220	218	91	91	91
February -	30°165	42°2	42°6	42°4	37°2	48°2	29°3	1st	57°0	17th	235	238	237	88	87	88
March -	29°988	43°1	40°2	41°7	35°1	48°2	25°8	24th	59°3	18th	218	215	217	78	87	83
April -	.861	46°6	43°4	45°0	39°1	51°2	30°0	1st	66°8	14th	271	262	267	86	93	90
May -	.733	53°3	48°3	50°8	44°0	57°8	34°8	21st	68°2	2nd	323	301	312	79	90	85
June -	29°916	57°4	53°5	55°5	48°5	62°2	38°6	1st	76°8	24th	370	367	369	78	90	84
July -	30°008	61°6	57°1	59°4	53°0	66°4	43°3	4th	84°8	18th	423	413	418	78	88	83
August -	29°739	61°2	58°1	59°7	54°1	65°6	45°3	1st	74°2	8th	449	432	441	83	89	86
September -	.873	57°4	53°2	55°3	48°6	62°7	40°7	24th	73°5	11th	381	355	368	81	88	85
October -	.671	51°5	48°9	50°2	44°5	56°1	29°8	30th	71°5	3rd	312	304	308	82	88	85
November -	.751	39°8	39°2	39°5	34°4	44°0	28°8	12th	50°1	10th	220	216	218	91	90	91
December -	29°657	31°7	32°3	32°0	27°1	36°9	13°3	14th	50°2	31st	151	168	160	84	91	88
Year -	29°866	48°7	46°4	47°6	41°7	53°7	—	—	—	—	297	291	294	83°3	89°3	86°3

SANDWICK.

Thermometers 4 feet above ground. Rain-gauge 2 feet above ground.

1878.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	6.5	7.0	6.8	ins.	ins.	15th	30	9	1	0	1	11	4	5	3	1	2	10	9	16	12	4
February -	7.4	6.5	7.0	1.980	.330	27th	20	3	0	0	2	13	3	0	1	1	3	7	13	17	11	3
March -	6.7	7.8	7.3	4.030	.510	5th	24	11	1	0	1	12	9	14	4	0	0	3	7	17	10	7
April -	4.7	5.2	5.0	0.240	.090	15th	6	0	0	0	10	9	1	2	4	4	28	6	4	5	0	7
May -	4.9	6.0	5.5	2.910	.690	27th	18	2	1	1	4	7	1	3	2	9	14	9	3	9	11	2
June -	6.2	5.1	5.7	1.250	.410	8th	11	0	0	1	5	9	0	7	3	11	17	4	1	2	5	10
July -	8.8	7.9	8.4	2.520	1.150	5th	12	0	3	0	1	20	0	2	0	2	6	2	18	13	13	6
August -	6.3	7.7	7.0	1.400	.280	10th	13	0	1	0	2	14	0	8	9	16	12	1	4	2	1	9
September -	6.7	7.5	7.1	5.900	1.180	24th	22	0	2	0	2	12	4	4	1	1	8	9	9	14	9	5
October -	7.0	7.5	7.3	4.870	.740	31st	22	2	2	0	3	14	4	10	2	0	12	21	3	5	4	5
November -	5.1	7.3	6.2	3.610	.520	9th	26	4	1	0	4	9	5	19	7	3	2	3	5	2	10	9
December -	6.0	5.5	5.8	5.700	.620	28th	28	10	2	1	7	11	2	14	7	4	4	1	5	2	10	15
Year -	6.4	6.8	6.6	38.170	—	—	232	41	14	3	42	141	33	88	43	52	108	76	81	104	96	82

GLENALMOND.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

				ins.	ins.																				
January -	5.4	6.0	5.7	3.595	1.410	20th	13	7	0	0	3	8	2	1	3	6	2	9	15	14	5	8	2		
February -	7.4	6.9	7.2	2.025	.440	14th	12	0	0	0	1	13	0	10	0	0	8	4	15	21	3	5			
March -	5.6	4.5	5.1	0.708	.238	5th	8	6	0	0	6	5	2	16	5	2	0	3	10	13	76	4			
April -	8.1	7.1	7.6	2.458	.840	20th	14	2	1	0	2	18	0	1	8	20	10	2	4	2	2	11			
May -	7.1	6.8	7.0	5.181	1.120	6th	17	2	3	4	0	9	0	3	5	15	76	5	9	9	6	3			
June -	7.0	7.1	7.1	4.010	1.553	7th	11	0	0	0	1	14	0	5	6	11	2	4	11	9	9	6	5		
July -	7.4	6.8	7.1	0.313	.125	23rd	9	0	0	0	1	14	0	3	8	25	5	5	4	7	5	3	1		
August -	6.3	7.0	6.7	4.806	1.170	15th	20	0	0	0	2	10	4	1	1	11	10	1	6	15	20	4	1		
September -	5.7	6.4	6.1	4.126	.810	15th	18	0	0	0	2	10	4	1	1	2	3	9	6	5	2	14	10	9	7
October -	7.1	6.8	7.0	4.696	.968	23rd	15	2	0	0	0	3	11	1	2	3	9	6	5	2	14	10	9	7	
November -	6.8	6.0	6.4	2.309	.655	9th	12	7	0	0	0	3	12	2	19	4	10	0	4	1	2	9	8	13	9
December -	5.8	4.9	5.4	1.928	.720	30th	9	11	0	0	3	5	0	6	7	5	1	0	5	15	15	2	8		
Year	6.6	6.4	6.5	36.155	—	—	158	37	4	8	25	125	12	54	53	121	48	51	111	124	73	60			
														58	54	124	51	55	116	120	82				

DURHAM

Long. 1° 35' W. Lat. 54° 46' N. Height above Mean Sea Level, 335 feet.

1878.	Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.			
		10 a.m.	10 p.m.	Mean.	Means of		Absolute Min. and Max.				10 a.m.	10 p.m.	Mean.	10 a.m.	10 p.m.	Mean.		
					Min.	Max.	Min.	Day.	Max.	Day.								
at 32° F.	ins.																	
29.645 ✓	January -	30° 042	38° 7	38° 1	38° 4	33° 4	44° 0	21° 7	25th	53° 1	22nd	in.	in.	in.	%	%	%	
775 ✓	February -	30° 169	42° 4	40° 5	41° 5	35° 2	47° 3	26° 8	9th	57° 4	17th	214	208	211	88° 9	88° 3	88° 6	
593 ✓	March -	29° 986	43° 3	38° 7	41° 0	34° 5	48° 0	24° 6	9th	60° 5	18th	234	225	230	85° 9	88° 3	87° 1	
472 4 ✓	April -	862	48° 4	42° 1	45° 3	37° 8	54° 3	26° 9	6th	64° 9	14th	211	197	204	74° 4	81° 2	77° 8	
349 ✓	May -	732	54° 0	46° 4	50° 2	42° 6	59° 2	32° 3	21st	70° 8	5th	270	251	261	79° 2	92° 2	85° 7	
531 ✓	June -	29° 910	60° 4	52° 6	56° 5	47° 2	66° 4	34° 9	1st	87° 0	27th	329	288	309	78° 7	90° 7	84° 7	
629 ✓	July -	30° 007	63° 6	56° 0	59° 8	52° 4	71° 1	40° 4	4th	88° 9	19th	385	365	375	72° 4	90° 4	81° 4	
353 ✓	August -	29° 729	62° 4	55° 9	59° 2	52° 8	68° 6	42° 7	1st	74° 4	7th	443	412	428	74° 6	90° 1	82° 4	
495 ✓	September -	876	57° 7	51° 4	54° 6	47° 4	63° 6	36° 3	24th	73° 8	6th	458	411	435	82° 1	91° 8	87° 0	
288 ✓	October -	671	50° 7	47° 3	49° 0	43° 0	55° 9	29° 4	29th	67° 7	5th	377	350	369	80° 3	90° 4	85° 4	
363 ✓	November -	756	38° 8	36° 4	37° 6	32° 5	42° 0	26° 3	22nd	49° 0	10th	319	300	310	84° 7	88° 8	86° 8	
29.262 ✓	December -	29° 660	30° 4	29° 5	30° 0	24° 6	35° 4	3° 0	14th	50° 2	31st	208	193	201	88° 2	88° 9	88° 6	
29.480	Year -	29° 867	49° 2	44° 6	46° 9	40° 3	54° 7	—	—	—	—	301	279	290	81° 4	89° 3	85° 4	

DOUGLAS

Long. 4° 30' W. Lat. 54° 10' N. Height above Mean Sea Level, 137 feet.

	ins.	9 a.m.	9 p.m.	Mean.							9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
											in.	in.	in.	%	%	%
January	—	39.9	40.1	40.0	—	—	—	—	—	—	in.	in.	in.	%	%	%
February	30.174	42.1	42.9	42.5	38.0	46.7	28.0	1st	52.4	20th	250	257	254	92.6	92.1	92.4
March	30.059	43.1	41.4	42.3	37.1	46.5	28.3	23rd	52.3	7th	239	230	235	84.3	85.6	85.0
April	29.814	46.4	44.2	45.3	39.1	51.5	28.2	6th	59.1	24th	281	268	275	88.9	91.1	90.0
May	703	51.3	49.0	50.2	44.9	55.7	36.9	28th	60.9	28th	334	326	330	88.1	93.7	90.9
June	29.893	56.6	53.4	55.0	49.1	61.0	41.2	22nd	76.4	27th	400	364	382	86.9	89.1	88.0
July	30.039	61.1	56.4	58.8	52.5	66.0	44.6	31st	77.8	22nd	450	420	435	83.5	91.1	87.3
August	29.719	60.9	57.4	59.2	53.3	65.2	42.4	1st	73.4	1st	445	420	433	83.3	89.0	86.2
September	903	57.3	53.5	55.4	49.0	60.5	39.0	21st	67.5	8th	399	376	388	84.2	90.5	87.4
October	657	51.6	50.9	51.3	46.3	55.4	33.2	26th	61.7	5th	337	327	332	86.3	85.2	85.8
November	817	41.1	38.9	40.0	34.5	45.5	27.4	26th	49.7	10th	223	215	219	86.3	90.3	88.3
December	29.696	34.2	34.3	34.3	29.1	39.8	12.8	24th	49.9	31st	180	183	182	89.5	90.4	90.0
Year	—	48.8	46.9	47.9	—	—	—	—	—	—	—	—	—	—	—	—

NOTE.—This station was not in full working order till February 1st; the

HULL

Long. 0° 20' W. Lat. 53° 45' N. Height above Mean Sea Level, 14 feet.

	ins.	9 a.m.	9 p.m.	Mean.							9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
											in.	in.	in.	%	%	%
January	30.089	38.8	39.2	39.0	35.2	44.3	24.4	25th	56.5	21st	220	220	220	94	92	93
February	232	40.3	41.2	40.8	36.1	46.9	27.5	1st	57.5	23rd	227	237	232	92	93	93
March	30.020	42.5	40.6	41.6	35.8	48.9	27.0	23rd	59.5	8th	215	214	215	79	86	83
April	29.874	48.5	45.6	47.1	39.7	55.1	26.0	1st	65.5	28th	287	268	278	84	87	86
May	771	54.8	51.1	53.0	45.5	61.5	35.0	21st	69.0	18th	359	320	340	84	84	84
June	29.938	61.0	56.5	58.8	50.2	68.3	42.0	2nd	86.5	26th	383	392	388	72	86	79
July	30.022	63.5	60.6	62.1	54.7	72.0	45.0	15th	87.5	20th	443	421	432	75	80	78
August	29.762	62.0	59.4	60.7	54.7	69.4	46.0	22nd	77.0	27th	456	447	452	82	89	86
September	941	56.8	54.6	55.7	49.6	64.5	37.5	24th	75.5	4th	391	375	383	84	89	87
October	740	50.7	48.9	49.8	44.9	57.2	31.0	30th	68.5	6th	329	309	319	89	90	90
November	743	38.3	37.6	38.0	33.7	43.3	25.0	30th	52.5	13th	209	202	206	91	90	91
December	29.695	30.3	30.7	30.5	26.2	35.8	13.0	25th	50.0	31st	148	154	151	88	90	89
Year	29.902	49.9	47.2	48.1	42.2	56.4	—	—	—	—	306	297	301	84.5	88.0	86.3

18.54.86

DURHAM.

Thermometers 5 feet above ground. Rain-gauge 4 feet 8 inches above ground.

Thermometers 5 feet above ground.																								Days of Rain. ·005	
1878.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of										
	10a.m.	10p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.			
January -	5.8	6.3	6.1	ins.	ins.	21st	14	5	2	0	4	12	1	3	3	0	0	12	18	13	12	1	14		
February -	7.0	5.9	6.5	1.132	.627	14th	9	1	0	0	3	12	0	0	2	1	2	14	19	8	8	2	9		
March -	6.4	4.9	5.7	0.982	.247	9th	12	10	2	0	4	8	1	10	5	0	1	2	6	12	25	1	12		
April -	6.3	7.0	6.7	2.573	.863	20th	14	2	1	0	3	14	0	3	16	10	5	11	4	4	5	2	13		
May -	7.8	5.0	6.4	4.087	.690	7th	23	0	1	7	0	10	0	3	8	11	5	13	12	6	3	1	22		
June -	7.4	6.1	6.8	2.945	1.120	11th	13	0	0	4	3	14	0	5	5	4	4	15	9	3	9	6	13		
July -	7.9	5.8	6.9	0.185	.052	28th	9	0	0	2	1	14	0	9	9	2	3	2	6	11	14	6	9		
August -	7.9	6.9	7.4	6.814	1.535	3rd	19	0	0	4	0	17	0	3	13	8	2	12	9	6	6	3	19		
September -	7.2	5.8	6.5	2.337	.540	22nd	12	0	0	0	2	11	0	5	2	0	0	12	20	11	6	4	12		
October -	7.4	6.5	7.0	1.928	.461	9th	20	0	0	0	1	12	0	4	0	2	8	23	11	5	9	0	19		
November -	6.9	6.4	6.7	7.414	1.560	15th	23	5	1	1	1	9	0	11	6	0	0	7	7	4	24	1	23		
December -	5.1	4.5	4.8	3.783	.790	8th	22	11	4	0	7	6	1	3	2	1	0	7	12	8	26	3	22		
Year	6.9	5.9	6.4	36.691	—	—	190	34	11	18	29	139	3	59	71	39	30	130	133	91	147	30	187		

DOUGLAS.

Thermometers 4 feet 6 inches above ground. Rain-gauge 10½ inches above ground.

Thermometers 4 feet 6 inches above ground																		
	9 a.m.	9 p.m.	Mean.	ins.	ins.													
January	—	—	—	4.530	1.230	27th	19	—	—	—	—	—	—	—	—	—	—	—
February	8.4	7.0	7.7	3.512	.732	28th	13	1	0	0	0	15	1	3	1	2	5	9
March	6.7	5.9	6.3	2.373	.722	1st	16	7	2	0	1	9	5	16	4	7	0	0
April	6.7	4.9	5.8	2.355	.498	12th	16	2	3	0	4	10	2	0	8	19	6	4
May	8.1	6.8	7.5	3.457	.540	17th	18	0	0	2	1	16	2	4	3	13	6	8
June	7.2	6.3	6.8	2.647	.520	3rd	13	0	0	6	2	12	0	2	5	14	6	5
July	6.0	4.5	5.3	0.760	.575	24th	6	0	0	1	4	8	0	5	1	7	3	0
August	6.6	6.6	6.6	3.707	1.145	13th	14	0	0	3	3	13	0	1	9	13	5	5
September	6.8	5.9	6.4	3.755	.675	22nd	18	0	1	3	1	7	2	1	1	2	0	6
October	7.2	6.8	7.0	5.157	1.168	21st	19	1	3	1	0	12	9	5	0	5	14	7
November	6.0	5.0	5.5	2.603	.710	9th	19	2	4	0	7	9	2	24	3	1	1	1
December	5.1	5.1	5.1	2.818	.725	29th	18	10	4	0	3	5	0	8	4	6	3	0
Year	—	—	—	37.674	—	—	189	—	—	—	—	—	—	—	—	—	—	—

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

WAKEFIELD

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

1878.	Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					Min.	Max.	Min.	Day.	Max.	Day.							
	ins.											in.	in.	in.	%	%	%
January - -	30°104	39°8	40°5	40°2	35°4	45°2	25°2	30th	57°0	21st	220	222	221	87°2	85°9	86°6	
February - -	226	40°6	42°6	41°6	37°8	47°9	26°4	9th	62°8	17th	227	237	232	88°9	86°1	87°5	
March - -	30°038	42°2	40°9	41°6	36°4	48°7	26°3	28th	60°0	1st	216	211	214	78°1	79°7	78°9	
April - -	29°863	47°0	45°8	46°4	38°8	56°1	27°2	7th	65°8	14th	264	273	269	81°7	87°7	84°7	
May - -	757	53°3	50°9	52°1	45°2	60°3	36°1	21st	69°8	12th	321	313	317	79°2	83°8	81°5	
June - -	29°931	59°3	56°6	58°0	49°0	66°6	37°0	2nd	86°8	27th	378	385	382	73°7	83°0	78°4	
July - -	30°038	62°7	59°7	61°2	54°0	69°4	40°0	4th	85°2	20th	406	411	409	71°2	79°6	75°4	
August - -	29°741	61°2	58°2	59°7	52°6	68°5	43°8	22nd	73°4	2nd	431	421	426	80°2	86°5	83°4	
September - -	929	56°9	53°7	55°3	48°5	63°5	36°0	21st	72°8	3rd	377	365	371	80°6	86°9	83°8	
October - -	723	49°6	48°6	49°1	43°0	56°0	31°2	30th	67°6	5th	312	301	307	86°0	85°2	85°6	
November - -	777	37°7	37°4	37°6	33°2	43°0	25°2	20th	48°9	10th	196	195	196	86°1	86°9	86°5	
December - -	29°694	31°8	32°1	32°0	27°2	36°8	10°8	25th	52°8	31st	168	163	166	90°8	87°2	89°0	
Year -	29°902	48°5	47°3	47°9	41°8	55°2	—	—	—	—	293	291	292	82°0	85°0	83°5	

PRESTWICH

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

	ins.										in.	in.	in.	%	%	%
January - -	30°107	39°8	39°6	39°7	35°9	44°1	25°2	25th	55°0	21st	230	225	228	94	93	94
February - -	220	39°0	41°1	40°1	36°4	46°0	26°0	1st	58°3	17th	221	236	229	93	91	92
March - -	30°050	40°3	39°6	40°0	35°4	46°3	24°7	26th	55°4	1st	209	212	211	84	87	86
April - -	29°833	47°9	45°7	46°8	40°0	54°8	29°2	1st	65°0	29th	258	255	257	77	83	80
May - -	740	52°4	50°4	51°4	45°2	59°3	35°2	21st	66°5	6th	317	309	313	80	84	82
June - -	29°914	58°5	55°9	57°2	50°0	64°8	38°3	6th	84°6	27th	370	373	372	75	83	79
July - -	30°036	61°5	58°7	60°1	53°5	67°5	44°7	13th	83°7	21st	418	421	420	76	85	81
August - -	29°728	60°2	58°1	59°2	53°9	66°9	47°9	26th	72°6	2nd	427	422	425	82	87	85
September -	935	54°4	52°8	53°6	48°3	61°4	37°3	24th	70°2	5th	378	362	370	89	91	90
October - -	714	49°5	48°5	49°0	44°4	55°4	30°5	30th	68°4	5th	307	305	306	86	89	88
November - -	793	36°2	36°5	36°4	32°7	42°0	25°9	12th	48°5	{ 5th 2nd 18th }	189	192	191	88	89	89
December -	29°714	29°0	29°6	29°3	24°6	34°9	7°0	24th	51°5	31st	157	160	159	98	98	98
Year	29°899	47°4	46°4	46°9	41°7	53°6	—	—	—	—	290	289	290	85°2	88°3	86°8

KELSTERN

Long. 0° 7' W. Lat. 53° 24' N. Height above Mean Sea Level, 388 feet.

		ins.										in.	in.	in.	%	%	%
January	-	30.105	36.9	36.8	36.9	33.8	42.0	22.8	25th	53.9	21st	.211	.215	.213	94.8	96.5	95.7
February	-	.243	38.2	39.6	38.9	35.3	45.8	27.1	1st	56.1	17th	.223	.236	.230	95.4	95.8	95.6
March	-	30.032	40.4	37.8	39.1	34.1	47.4	25.9	23rd	57.0	21st	.231	.219	.225	89.9	93.9	91.9
April	-	29.869	47.5	42.6	45.1	38.4	54.0	20.0	1st	62.7	15th	.300	.270	.285	90.7	97.5	94.1
May	-	.773	53.2	48.6	50.9	44.4	59.5	34.6	21st	69.4	18th	.355	.323	.339	87.1	93.9	90.5
June	-	29.941	59.3	54.0	56.7	48.8	65.1	36.7	15th	82.8	27th	.402	.394	.398	78.8	92.8	85.8
July	-	30.033	61.7	55.9	58.8	51.8	68.5	41.0	4th	81.6	18th	.445	.409	.427	80.5	90.7	85.6
August	-	29.751	61.1	56.6	58.9	52.5	67.7	44.1	21st	72.6	{ 6th 18th }	.457	.433	.445	85.1	94.0	89.6
September	-	.947	56.0	52.0	54.0	47.1	62.9	36.0	26th	73.4	6th	.379	.361	.370	83.8	91.6	87.7
October	-	.748	49.6	46.7	48.2	43.3	55.3	27.3	30th	66.8	5th	.319	.302	.311	88.3	92.0	90.2
November	-	.747	36.1	35.8	36.0	32.1	41.5	26.9	12th	49.6	19th	.201	.199	.200	93.7	94.3	94.0
December	-	29.703	28.1	28.4	28.3	23.5	34.4	11.8	14th	50.8	31st	.154	.155	.155	96.2	96.0	96.1
Year	-	29.908	47.3	44.6	46.0	40.4	53.7	—	—	—	—	.306	.293	.300	88.7	94.1	91.4

MONTHLY SUMMARIES.—WAKEFIELD—PRESTWICH—KELSTERN.

WAKEFIELD.

Thermometers 4 feet 8 inches above ground till September, then 4 feet. Rain-gauge 1 foot above ground.

1878.	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	6.9	7.1	ins.	ins.	3rd	16	2	2	1	3	14	0	3	1	0	2	4	7	19	4	22
February	7.0	6.8	6.9	0.870	1.340	14th	10	1	0	0	3	13	0	1	1	1	1	4	14	13	0	21
March	5.8	5.1	5.5	0.740	1.190	1st	10	7	0	0	1	4	1	6	3	1	0	2	6	21	15	8
April	7.2	5.5	6.4	1.920	1.100	20th	12	1	0	0	3	9	0	3	5	13	4	1	3	8	2	21
May	7.7	6.2	7.0	4.320	0.670	6th	23	0	1	2	1	12	0	6	5	6	5	8	5	13	3	11
June	7.2	6.8	7.0	2.980	0.580	3rd	13	0	0	2	2	13	0	4	11	6	10	5	6	8	2	8
July	7.0	5.5	6.3	0.740	0.330	24th	9	0	0	0	2	9	0	4	6	6	3	0	4	21	5	13
August	7.1	6.3	6.7	5.640	0.780	13th	23	0	0	5	1	9	0	3	12	12	4	4	5	13	2	7
September	6.6	5.2	5.9	2.550	0.450	29th	12	0	0	2	3	7	1	3	1	2	3	7	10	23	3	8
October	7.6	6.9	7.3	2.200	0.450	24th	18	0	0	0	0	12	0	2	2	6	8	12	8	12	4	8
November	6.8	6.8	6.8	2.290	0.320	24th	19	4	0	1	0	9	0	7	2	0	2	2	4	14	24	5
December	6.4	5.8	6.1	1.290	0.560	25th	16	4	0	0	2	7	1	9	3	1	2	3	6	19	11	8
Year	7.0	6.2	6.6	27.880	—	—	181	19	3	13	21	118	3	51	52	54	44	52	78	184	75	140

PRESTWICH.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

January	-	7.6	6.8	7.2	ins.	ins.	27th	23	3	3	0	2	16	0	9	2	1	2	6	8	14	8	12
February	-	7.8	7.3	7.6	1.220	.470	13th	11	1	1	0	1	17	0	1	3	0	4	13	7	8	0	20
March	-	6.3	5.8	6.1	1.671	.507	1st	11	9	1	0	2	13	2	13	9	1	0	3	7	19	6	4
April	-	6.2	5.4	5.8	1.903	.515	20th	10	1	2	0	5	8	0	4	12	13	7	6	2	5	1	10
May	-	8.2	6.3	7.3	3.782	.575	23rd	25	0	3	7	1	15	0	1	7	6	5	13	6	7	6	11
June	-	6.8	6.8	6.8	3.156	.611	{10th 11th}	14	0	0	3	5	15	0	2	9	6	4	14	4	4	7	10
July	-	7.5	6.3	6.9	0.785	.310	24th	7	0	0	1	3	13	0	2	9	4	2	3	3	21	10	8
August	-	8.2	6.1	7.2	5.428	.840	13th	22	0	0	6	1	13	0	0	6	10	5	7	4	14	1	15
September	-	7.6	4.9	6.3	4.784	.940	17th	18	0	0	1	3	7	0	3	2	0	0	9	7	10	7	22
October	-	7.4	6.1	6.8	3.815	.635	24th	22	0	6	1	1	10	0	6	3	3	7	18	6	5	6	8
November	-	6.2	6.5	6.4	2.449	.720	9th	13	5	2	1	2	11	0	21	4	0	0	4	4	4	9	14
December	-	7.1	7.0	7.1	2.965	.410	28th	17	10	2	0	3	14	0	16	8	2	1	4	2	4	3	22
Year	-	7.2	6.3	6.8	36.128	—	—	193	29	20	20	29	152	2	78	74	46	37	100	60	115	64	156

LLANDUDNO

Long. 3° 50' W. Lat. 53° 20' N. Height above Mean Sea Level, 88 feet.

1878.	Mean Pressure.	Air Temperature.								Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Day.	Max.	Day.					
At 32° F.	ins.														
30.014	January -	30.126	42.5	43.2	42.9	39.6	47.4	28.0	25th	57.9	21st	in.	in.	in.	
30.096	February -	.208	43.8	43.6	43.7	39.8	49.1	29.3	1st	63.4	17th	.237	.241	.239	86.1
29.979	March -	30.090	44.6	42.9	43.8	39.5	49.1	31.4	14th	55.2	21st	.232	.225	.229	85.1
712	April -	29.821	50.6	47.7	49.2	42.7	57.5	34.0	1st	70.7	12th	.288	.269	.279	85.5
620	May -	.728	55.2	51.4	53.3	48.0	61.9	39.6	21st	71.0	12th	.335	.321	.328	79.7
795	June -	29.903	60.8	56.7	58.8	52.6	67.0	45.8	1st	93.0	27th	.392	.373	.383	81.2
950	July -	30.057	63.5	59.8	61.7	55.7	71.7	46.9	13th	83.6	23rd	.431	.424	.428	84.1
622	August -	29.729	63.3	59.3	61.3	55.6	70.9	51.2	26th	78.5	5th	.437	.431	.434	82.1
834	September -	.943	58.9	55.5	57.2	52.4	65.2	43.0	24th	73.2	5th	.389	.370	.380	73.6
585	October -	.694	53.0	51.0	52.0	47.5	59.3	37.0	29th	73.0	5th	.325	.316	.321	77.7
713	November -	.824	41.9	41.4	41.7	37.2	45.9	30.8	22nd	52.2	10th	.212	.208	.210	82.9
29.607	December -	29.719	35.6	35.6	35.6	31.2	40.4	20.7	13th	53.0	31st	.178	.176	.177	80.3
29.94	Year -	29.904	51.1	49.0	50.1	45.2	57.1	—	—	—	—	.308	.300	.304	79.0

BUXTON

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

1878.	Mean Pressure.	Air Temperature.								Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Day.	Max.	Day.					
At 32° F.	ins.														
29.050	January -	30.143	37.5	37.8	37.7	34.0	42.2	18.0	30th	51.8	21st	in.	in.	in.	
29.158	February -	.253	38.3	38.7	38.5	35.0	43.1	23.6	9th	55.0	17th	.203	.206	.205	87.5
28.971	March -	30.079	38.7	37.4	38.1	34.1	44.3	23.4	27th	52.9	1st	.209	.215	.212	88.3
781	April -	29.865	46.5	42.8	44.7	37.2	52.5	28.4	1st	60.1	14th	.208	.197	.203	89.3
697	May -	.766	51.6	47.6	49.6	43.0	57.4	35.0	21st	65.0	2nd	.262	.246	.254	85.2
879	June -	29.943	57.2	52.9	55.1	47.0	63.4	36.0	30th	80.4	26th	.307	.293	.300	85.7
995	July -	30.055	59.9	55.8	57.9	51.1	65.2	40.4	2nd	80.4	26th	.361	.361	.361	88.3
711	August -	29.765	58.1	55.3	56.7	50.8	64.5	42.0	13th	79.8	21st	.361	.361	.361	88.4
905	September -	.975	54.2	50.9	52.6	45.9	60.1	32.6	24th	69.0	4th	.408	.389	.399	82.4
686	October -	.761	47.4	46.1	46.8	42.3	52.7	27.0	2nd	67.8	5th	.413	.399	.406	86.7
708	November -	.812	35.6	35.0	35.3	30.7	40.3	22.6	29th	47.5	1st	.361	.341	.351	90.7
28.621	December -	29.736	30.1	29.4	29.8	25.6	35.0	2.5	24th	48.5	31st	.296	.286	.291	87.8
28.844	Year -	29.929	46.3	44.1	45.2	—	51.7	—	—	—	—	.177	.176	.177	88.5

* Minimum thermometer out of order, 11th—21st.

CHEADLE, STAFFORD

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

1878.	Mean Pressure.	Air Temperature.								Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Day.	Max.	Day.					
At 32° F.	ins.														
29.422	January -	30.144	37.8	38.6	38.2	35.3	41.5	24.0	25th	53.2	21st	in.	in.	in.	
534	February -	.257	38.7	40.2	39.5	36.1	44.5	26.7	9th	58.0	17th	.209	.214	.212	92
348	March -	30.068	39.3	38.7	39.0	34.0	46.1	21.9	26th	52.5	2nd	.213	.228	.220	91
135	April -	29.840	45.9	44.6	45.2	38.5	54.1	24.9	1st	63.8	29th	.203	.199	.201	85
060	May -	.755	51.5	49.6	50.6	44.0	58.9	33.5	21st	66.0	6th	.244	.250	.247	85
243	June -	29.934	56.9	55.3	56.1	49.1	65.3	41.3	6th	82.0	27th	.317	.306	.312	86
360	July -	30.049	59.5	57.8	58.6	53.0	66.5	46.8	4th	81.8	21st	.362	.366	.364	84
060	August -	29.745	58.4	56.8	57.6	52.0	66.5	43.2	17th	70.8	5th	.413	.406	.409	81
269	September -	.965	54.5	52.2	53.4	47.9	60.9	38.6	20th	69.3	6th	.424	.413	.419	87
039	October -	.739	47.3	47.1	47.2	42.8	54.0	29.2	30th	67.0	5th	.370	.358	.364	89
29.071	November -	.790	34.8	35.0	34.9	31.5	40.6	23.8	21st	46.7	18th	.299	.299	.299	91
28.992	December -	29.717	29.4	30.4	29.9	26.3	34.5	16.9	14th	50.1	31st	.186	.191	.188	92
29.211	Year -	29.917	46.2	45.5	45.9	40.9	—	—	—	—	—	.156	.160	.158	96

* Maximum thermometer out of order during February.

LLANDUDNO.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

1878.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	7.9	6.7	7.3	ins.	ins.	27th	18	1	1	0	3	17	3	8	5	3	1	7	7	27	4	0
February -	7.5	7.3	7.4	1.130	.400	28th	11	0	0	0	1	15	0	4	2	5	2	13	11	18	1	0
March -	7.2	6.9	7.1	1.850	.590	1st	15	7	2	1	2	14	1	8	10	5	1	0	2	25	11	0
April -	6.8	4.6	5.7	1.390	.255	3rd	12	0	1	0	4	9	2	4	3	14	16	9	3	10	1	0
May -	6.8	5.2	6.0	2.450	.310	27th	22	1	1	0	5	12	0	7	1	10	3	7	6	23	5	0
June -	6.6	5.9	6.3	1.680	.480	3rd	12	0	0	0	5	13	0	12	2	12	4	8	3	15	4	0
July -	6.8	6.1	6.5	1.185	1.048	24th	4	0	0	1	7	17	0	10	6	8	1	2	3	17	15	0
August -	7.1	6.2	6.7	4.460	1.570	13th	18	0	0	1	3	13	2	5	2	12	5	4	10	17	7	0
September -	6.8	4.4	5.6	3.750	.710	29th	16	0	1	0	4	10	1	6	2	3	0	1	3	38	7	0
October -	6.3	6.8	6.6	3.780	.580	9th	18	0	4	0	4	12	2	3	1	1	4	8	15	24	6	0
November -	6.6	6.5	6.6	3.320	.822	9th	16	4	4	0	0	11	8	18	8	5	2	8	3	11	5	0
December -	5.9	5.2	5.6	1.954	.300	19th	19	12	3	1	6	9	1	13	8	5	6	5	5	13	7	0
Year -	6.9	6.0	6.5	29.657	—	—	181	25	17	4	44	152	20	98	50	83	45	72	71	238	73	0

BUXTON.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

										Thermometers 4 feet above ground.										Rain-gauge 1 foot above ground.																				Days of Rain.																																																																																																																																		
										ins.										ins.																																																																																																																																																						
										13th										28th										1st																																																																																																																																												
										20th										23rd										4th																																																																																																																																												
										24th										13th										17th																																																																																																																																												
										10th										9th										6th																																																																																																																																												
										203										40										9										16										12										139										4										65										49										60										61										19										79										141										215										41										
January	-	8.5	8.6	8.6	8.546	1.440	13th	24	7	0	1	1	21	0	7	7	2	0	0	2	18	21	5	23																																																																																																																																																		
February	-	8.4	7.2	7.8	2.455	.500	28th	15	1	0	0	1	16	0	4	1	1	5	0	7	23	11	4	15																																																																																																																																																		
March	-	6.7	6.2	6.5	3.330	.790	1st	15	9	1	0	1	12	0	12	7	5	0	0	3	13	22	0	15																																																																																																																																																		
April	-	6.1	6.2	6.2	2.340	.500	20th	12	3	0	0	4	6	0	2	3	10	14	4	10	8	7	2	12																																																																																																																																																		
May	-	8.0	6.9	7.5	6.080	.510	23rd	26	0	2	4	0	13	0	3	2	8	6	4	12	13	14	0	26																																																																																																																																																		
June	-	6.6	7.7	7.2	4.000	1.120	4th	16	0	0	2	1	13	0	3	3	8	10	4	11	9	12	0	16																																																																																																																																																		
July	-	6.5	6.5	6.5	1.735	1.110	24th	11	0	0	0	2	10	0	4	8	8	3	0	5	4	28	2	11																																																																																																																																																		
August	-	7.7	6.0	6.9	6.440	1.090	13th	23	0	0	5	0	9	0	1	2	7	13	6	9	8	13	3	23																																																																																																																																																		
September	-	7.4	5.3	6.4	5.193	1.200	17th	17	0	0	1	2	9	0	4	3	1	0	0	5	18	26	3	17																																																																																																																																																		
October	-	7.4	6.8	7.1	5.940	.870	10th	21	2	2	2	0	8	1	0	0	3	9	1	13	14	18	4	21																																																																																																																																																		
November	-	7.0	7.9	7.5	4.600	.970	9th	12	8	2	1	0	11	0	10	8	4	1	0	0	5	23	9	12																																																																																																																																																		
December	-	6.4	6.9	6.7	2.960	.630	6th	11	10	2	0	0	11	3	15	5	3	0	0	2	8	20	9	11																																																																																																																																																		
Year	-	7.2	6.9	7.1	53.619	—	—	203	40	9	16	12	139	4	65	49	60	61	19	79	141	215	41	202																																																																																																																																																		

HILLINGTON, NORFOLK

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

1878.	Mean Pressure.	Air Temperature.								Tension of Vapour.			Relative Humidity.				
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					Min.	Max.	Min.	Day.	Max.	Day.							
at 32° F.	ins.										in.	in.	in.	%	%	%	
29.995	January -	30.099	37.7	38.2	38.0	33.6	43.8	21.3	11th	55.4	15th	.218	.221	.220	94.4	93.1	93.8
30.137	February -	.241	39.7	40.9	40.3	35.8	46.7	24.9	8th	60.2	17th	.233	.243	.238	94.0	93.0	93.5
29.916	March -	30.019	41.6	39.0	40.3	34.7	49.0	22.8	28th	57.7	1st	.227	.214	.221	84.6	87.4	86.0
.754	April -	29.855	50.1	44.6	47.4	39.0	57.9	21.1	1st	65.6	12th	.295	.264	.280	80.3	88.3	84.3
.676	May -	.777	55.9	50.3	53.1	45.5	63.3	37.6	21st	73.7	12th	.356	.330	.343	79.7	89.9	84.8
.819	June -	29.919	62.6	54.9	58.8	49.1	69.1	37.3	15th	87.8	26th	.418	.404	.411	72.5	92.0	82.3
.925	July -	30.023	63.8	57.6	60.7	51.9	71.4	41.3	4th	86.1	20th	.456	.437	.447	76.8	91.3	84.1
.649	August -	29.748	64.0	58.4	61.2	53.2	71.1	40.1	22nd	78.6	6th	.501	.461	.481	84.3	93.9	89.1
.855	September -	.955	58.2	53.2	55.7	46.6	64.6	34.0	21st	75.3	5th	.458	.406	.432	93.3	98.5	95.9
.664	October -	.765	50.8	47.7	49.3	42.8	58.3	26.1	31st	71.6	5th	.338	.315	.327	88.4	92.6	90.5
.619	November -	.722	39.3	38.6	39.0	34.3	44.5	20.2	30th	51.2	25th	.222	.220	.221	90.7	92.8	91.8
29.588	December -	29.693	31.4	29.4	30.4	24.6	35.9	6.9	25th	53.4	31st	.170	.160	.165	93.7	94.2	94.0
29.800	Year -	29.901	49.6	46.1	47.9	40.9	56.3	—	—	—	—	.324	.306	.315	86.1	92.3	89.2

LEICESTER

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

		ins.										in.	in.	in.	%	%	%
January	-	30.137	39.4	40.7	40.1	36.6	44.8	26.0	25th	55.9	21st	.216	.222	.219	90	88	89
February	-	.256	40.0	41.9	41.0	37.4	47.0	25.5	1st	59.2	17th	.224	.235	.230	91	89	90
March	-	30.067	41.7	41.4	41.6	36.2	48.3	26.0	24th	56.8	1st	.208	.205	.207	79	79	79
April	-	29.848	47.8	47.3	47.6	40.3	56.1	27.2	1st	64.0	29th	.258	.268	.263	78	83	81
May	-	.767	55.2	52.9	54.1	46.5	61.9	36.9	21st	69.5	18th	.333	.328	.331	76	82	79
June	-	29.927	61.6	60.9	60.8	51.4	67.8	41.5	6th	85.0	{26th 27th}	.376	.395	.386	69	76	73
July	-	30.037	63.0	61.8	62.4	53.8	69.5	42.9	4th	84.0	21st	.420	.418	.419	73	76	75
August	-	29.745	62.2	60.2	61.2	54.2	69.3	46.1	1st	74.8	5th	.436	.429	.433	78	83	81
September	-	.964	56.2	55.2	55.7	48.4	62.9	33.6	24th	70.6	11th	.370	.373	.372	82	86	84
October	-	.756	50.1	49.3	49.7	44.7	56.4	31.2	{27th 30th}	71.9	5th	.308	.308	.308	85	88	87
November	-	.773	37.9	38.0	38.0	33.7	42.8	28.5	21st	49.4	1st	.197	.198	.198	87	86	87
December	-	29.717	31.7	32.3	32.0	27.2	36.3	6.9	25th	52.5	31st	.160	.163	.162	90	89	90
Year	-	29.916	48.9	48.4	48.7	42.5	55.3	—	—	—	—	.292	.295	.294	81.5	83.8	82.9

UPPINGHAM

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

1878.	Mean Pressure.	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.
at 32° F.	ins.															
29.577	30.128	37.7	38.4	38.1	34.6	43.2	25.8	25th	54.0	21st	212	218	215	90.4	91.4	90.9
705	257	39.1	40.2	39.7	35.7	45.8	26.1	9th	58.5	17th	225	234	230	92.4	91.8	92.1
509	30.057	40.4	38.8	39.6	34.5	47.5	24.2	24th	55.7	1st	213	207	210	82.1	84.4	83.3
311	29.849	46.5	44.3	45.4	38.1	56.5	24.7	1st	66.2	29th	270	259	265	83.9	87.3	85.6
240	769	54.1	50.1	52.1	44.9	61.6	34.6	21st	71.3	6th	344	321	333	81.9	88.4	85.2
408	29.932	61.1	55.8	58.5	49.4	69.2	39.1	15th	87.9	26th	403	393	398	73.8	86.8	80.3
512	30.036	63.3	57.8	60.6	52.1	71.3	44.3	4th	88.8	19th	446	413	430	76.8	85.8	81.3
227	29.747	61.3	57.4	59.4	52.8	70.1	45.4	21st	78.2	26th	449	421	435	82.8	88.9	85.9
431	961	55.6	53.0	54.3	47.4	62.9	38.1	26th	74.5	5th	375	368	372	83.9	89.6	86.8
223	756	48.9	47.0	48.0	42.8	55.5	29.0	30th	70.8	5th	318	309	314	89.9	93.2	91.6
214	761	36.5	36.5	36.5	32.9	42.1	28.8	23rd	49.9	25th	199	199	199	91.4	91.3	91.4
29.158	29.712	30.8	30.7	30.8	27.3	35.5	17.9	25th	51.6	31st	167	161	164	94.2	91.7	93.0
Year	29.914	47.9	45.8	46.9	41.0	55.1	—	—	—	—	302	292	297	85.3	89.2	87.3

HILLINGTON, NORFOLK.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

1878.	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.	ins.	27th	20	3	1	0	2	16	0	4	8	1	2	2	22	7	13	3	19	
February -	7.9	7.9	7.9	1.373	.330	27th	14	0	0	0	0	17	0	5	2	1	4	2	25	11	4	2	14	
March -	7.3	6.0	6.7	0.667	.112	24th	19	9	3	0	2	10	2	14	8	0	1	1	6	8	24	0	14	
April -	6.5	5.9	6.2	1.047	.412	3rd	11	1	1	1	4	10	0	1	7	9	16	5	15	4	3	0	6	
May -	8.6	6.8	7.7	3.952	1.230	17th	25	1	1	9	0	14	1	0	10	5	14	5	18	2	8	0	25	
June -	6.8	5.9	6.4	2.053	.498	4th	13	0	1	5	4	14	0	1	9	4	8	5	21	8	2	2	13	
July -	7.5	7.9	7.7	0.814	.228	29th	12	0	0	4	2	16	0	12	10	5	7	0	5	7	14	2	9	
August -	6.7	6.7	6.7	5.587	1.930	3rd	23	0	0	8	0	11	0	1	11	5	12	3	16	4	9	1	20	
September	6.3	4.3	5.3	1.961	.347	29th	14	0	0	2	4	6	2	1	1	7	0	14	9	19	4	5	14	
October -	7.0	4.7	5.9	2.861	.682	24th	16	1	0	0	4	10	0	2	1	8	6	12	19	4	10	0	16	
November	8.1	7.9	8.0	7.588	1.540	14th	23	1	2	0	0	15	4	7	14	2	2	3	7	5	19	1	2.3	
December	9.0	6.5	7.8	2.023	.380	25th	24	15	1	0	1	17	1	9	3	4	7	2	12	8	17	0	21	
Year	7.4	6.5	7.0	31.984	—	—	214	31	10	29	23	156	10	57	84	51	79	54	175	87	127	16	194	

LEICESTER.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

				ins.	ins.																		
January	-	7.7	6.3	7.0	1.570	.480	27th	19	2	0	0	4	16	1	9	1	1	0	3	17	12	13	6
February	-	8.5	5.6	7.1	1.240	.340	12th	13	0	1	0	4	16	0	1	5	1	1	9	17	7	2	13
March	-	7.4	6.3	6.9	0.690	.230	27th	13	7	0	0	4	17	0	14	6	2	0	4	10	11	10	5
April	-	7.1	4.3	5.7	1.570	.470	20th	14	0	0	0	4	9	0	0	15	11	7	5	14	4	0	4
May	-	8.8	7.2	8.0	4.710	1.140	7th	25	1	2	4	0	18	1	0	9	4	6	11	22	6	2	2
June	-	6.7	6.4	6.6	1.700	.440	9th	15	0	0	2	3	11	1	1	12	2	7	16	17	2	1	2
July	-	8.0	5.7	6.9	2.040	1.210	24th	8	0	0	2	1	14	0	2	19	2	7	0	5	11	15	1
August	-	8.3	6.8	7.6	6.760	1.780	3rd	22	0	0	4	0	11	0	1	12	4	6	0	21	7	4	7
September	-	7.6	5.5	6.6	1.820	.450	7th	14	0	0	2	3	12	1	2	2	0	0	4	20	14	6	12
October	-	7.6	4.8	6.2	2.570	.400	24th	20	1	1	1	1	9	0	1	4	4	2	10	21	5	4	11
November	-	9.5	7.9	8.7	3.250	.560	24th	19	3	1	0	0	21	0	11	1	0	0	1	5	6	14	10
December	-	9.8	7.2	8.5	1.810	.420	26th	15	8	0	0	0	22	0	3	8	2	1	0	24	2	7	15
Year	-	8.1	6.2	7.2	29.730	—	—	197	22	5	15	24	176	4	45	106	33	37	63	193	87	78	88

OSCOTT

Long. 1° 51' W. Lat. 52° 33' N. Height above Mean Sea Level, 460 feet.

1878.	Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					Min.	Max.	Min.	Day.	Max.	Day.							
January	ins. 30.143	38.5	39.6	39.1	35.9	43.8	23.4	30th	54.4	21st	in. .221	in. .231	in. .226	% 91.8	% 92.6	% 92.2	
February	.254	39.4	40.8	40.1	36.7	46.2	26.5	1st	60.1	17th	.229	.236	.233	93.1	91.3	92.2	
March	30.078	40.8	39.4	40.1	35.4	47.4	25.0	23rd	56.9	3rd	.213	.211	.212	80.6	84.8	82.7	
April	29.842	47.0	45.8	46.4	39.6	56.2	26.5	1st	64.1	28th	.266	.271	.269	81.9	86.4	84.2	
May	.762	53.7	50.9	52.3	45.3	61.0	35.0	21st	68.2	12th	.337	.325	.331	81.2	86.6	83.9	
June	29.927	59.5	57.3	58.4	51.0	67.2	40.9	6th	84.0	26th	.394	.398	.396	76.6	83.8	80.2	
July	30.045	61.9	59.2	60.6	53.2	68.9	47.1	13th	83.2	21st	.436	.427	.432	78.5	84.5	81.5	
August	29.745	60.5	58.3	59.4	53.2	69.2	46.2	1st	74.7	18th	.450	.433	.442	85.5	88.9	87.2	
September	.967	55.4	53.1	54.3	48.2	63.2	34.9	24th	72.7	11th	.385	.372	.379	87.4	90.8	89.1	
October	.749	48.5	48.0	48.3	43.9	56.0	30.8	30th	71.6	5th	.319	.317	.318	92.1	92.6	92.4	
November	.795	36.0	36.0	36.0	32.9	41.9	28.4	29th	47.8	10th	.195	.196	.196	91.5	92.3	91.9	
December	29.725	29.9	30.2	30.1	26.1	35.1	12.7	25th	51.1	30th	.164	.161	.163	95.7	93.2	94.5	
Year	29.919	47.6	46.6	47.1	41.8	54.7	—	—	—	—	.301	.298	.300	86.3	89.0	87.7	

CHURCHSTOKE

Long. 3° 5' W. Lat. 52° 31' N. Height above Mean Sea Level, 548 feet.

at 32° F.

29.553	January	ins. 30.170	39.2	39.9	39.6	35.2	44.7	25.0	30th	54.2	21st	in. 223	in. 230	in. 227	90.0	90.4	90.2
656	February	274	40.3	41.2	40.8	36.3	46.4	23.5	1st	60.7	17th	229	226	228	90.3	86.3	88.3
500	March	30.115	40.7	39.9	40.3	35.2	47.0	25.3	14th	56.4	1st	213	211	212	81.6	83.5	82.6
262	April	29.864	47.2	45.7	46.5	38.6	55.1	24.2	15th	62.5	30th	260	254	257	79.0	81.4	80.2
193	May	785	53.5	50.8	52.2	45.9	59.3	34.3	25th	64.7	11th	323	305	314	78.5	81.9	80.2
352	June	29.941	58.8	56.1	57.5	49.9	65.6	38.6	1st	83.3	26th	398	379	389	79.3	83.4	81.4
488	July	30.078	60.8	58.4	59.6	51.7	68.4	42.0	6th	81.8	21st	429	416	423	79.9	84.4	82.2
175	August	29.759	59.1	57.7	58.4	52.5	66.5	44.2	28th	70.2	7th	418	413	416	84.0	86.5	85.3
403	September	998	55.6	52.4	54.0	47.1	62.6	33.9	1st	71.2	21st	376	350	363	84.6	87.8	86.2
153	October	749	49.5	48.3	48.9	43.9	55.5	31.0	24th	71.2	11th	315	308	312	87.9	89.5	88.7
241	November	856	35.7	36.0	35.9	31.5	41.6	23.3	30th	67.8	5th	315	308	312	87.9	89.5	88.7
29.152	December	29.771	30.8	31.5	31.2	25.5	36.7	12.2	12th	52.1	10th	192	189	191	90.5	89.4	90.0
									24th	51.1	30th	155	158	157	86.4	85.8	86.1
	Year	29.947	47.6	46.5	47.1	41.1	54.1	—	25th	—	—	294	287	291	84.3	85.9	85.1

HEREFORD

Long. 2° 45' W. Lat. 52° 5' N. Height above Mean Sea Level, 274 feet.

January	ins. 30.162	40.4	41.2	40.8	36.8	46.1	24.9	30th	57.8	21st	in. 226	in. 235	in. 231	87.8	88.4	88.1
February	257	40.4	42.2	41.3	37.2	47.9	24.2	1st	57.6	26th	238	240	239	92.8	88.3	90.6
March	30.097	42.5	41.2	41.9	36.1	49.0	26.1	14th	56.8	1st	222	220	221	79.6	81.8	80.7
April	29.827	47.9	46.6	47.3	39.7	56.6	26.2	1st	63.7	30th	273	268	271	80.9	83.0	82.0
May	760	54.3	51.5	52.9	45.9	61.0	35.1	21st	67.8	10th	337	327	332	80.0	85.5	82.8
June	29.923	60.7	57.2	59.0	51.1	68.1	42.8	15th	84.6	26th	402	396	399	75.1	84.1	79.6
July	30.054	63.4	60.5	62.0	53.1	70.8	44.0	26th	84.0	17th	420	423	422	71.8	80.0	75.9
August	29.741	61.1	58.9	60.0	53.9	68.1	47.0	9th	73.4	10th	441	431	436	82.4	86.6	84.5
September	983	56.6	53.6	55.1	48.0	63.7	33.9	24th	72.7	6th	381	365	373	82.6	87.3	85.0
October	748	50.4	48.3	49.4	44.2	56.9	33.6	31st	70.1	5th	323	312	318	87.1	90.0	88.6
November	807	37.8	36.5	37.2	33.4	43.3	25.9	27th	53.2	10th	196	190	193	85.8	88.1	87.0
December	29.732	31.0	31.4	31.2	26.1	37.5	4.8	25th	53.1	31st	*	*	*	*	*	*
Year	29.924	48.9	47.4	48.2	42.0	55.8	—	—	—	—	—	—	—	—	—	—

* Wet bulb thermometer out of order during December.

OSCOTT.

Thermometers 4 feet above ground. Rain-gauge 6 inches above ground.

1878.	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	1.790	ins. 520	27th	20	6	3	0	1	19	4	9	4	0	1	8	15	11	10	4
February	8.9	7.6	8.3	1.080	370	12th	11	0	1	0	2	20	0	4	3	2	3	15	12	8	4	5
March	7.8	6.8	7.3	0.900	220	27th	12	9	0	0	3	17	7	9	8	3	0	2	11	8	21	0
April	7.9	4.4	6.2	1.950	410	20th	14	1	1	1	4	11	1	3	14	12	7	8	7	4	2	3
May	8.9	7.7	8.3	4.730	1120	10th	25	0	1	5	0	22	3	6	8	5	5	13	15	8	2	0
June	7.3	6.6	7.0	2.350	510	29th	16	0	1	7	4	14	0	5	8	7	8	13	7	5	5	2
July	8.0	5.1	6.6	0.660	260	24th	5	0	0	3	2	15	0	5	13	6	1	2	4	12	18	1
August	8.5	6.9	7.7	6.290	1030	22nd	19	0	0	8	0	15	0	2	10	11	4	5	14	9	3	4
September	8.7	4.0	6.4	1.700	370	22nd	14	0	0	2	1	9	2	3	2	2	4	5	19	9	11	5
October	7.8	6.9	7.4	3.170	470	21st	20	2	0	1	3	17	3	4	6	4	5	16	10	6	6	5
November	8.2	7.1	7.7	2.840	700	9th	13	3	1	0	1	18	4	16	6	0	1	4	5	4	20	4
December	9.0	6.6	7.8	2.040	440	25th	20	15	2	0	1	19	2	10	6	3	2	5	11	7	10	8
Year	8.3	6.4	7.4	29.500	—	—	189	36	10	27	22	196	26	76	88	55	41	96	130	91	112	41

CHURCHSTOKE.

Thermometers 4 feet above ground. Rain-gauge 1 foot 6 inches above ground.

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----	--

AUDLEY END

Long. 0° 13' E. Lat. 52° 1' N. Height above Mean Sea Level, 154 feet.

1878.	Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					Min.	Max.	Min.	Day.	Max.	Day.							
January	ins. 30° 132	38° 3	38° 1	38° 2	34° 2	44° 0	20° 0	11th	56° 2	22nd	in. 219	in. 218	in. 219	% 92.2	% 92.9	% 92.6	
February	250	39.8	41.0	40.4	36.0	46.8	21.8	8th	60.0	17th	232	241	237	92.5	92.2	92.4	
March	30° 034	41.3	39.5	40.4	34.4	48.2	24.2	17th	58.2	1st	219	213	216	82.4	85.6	84.0	
April	29.840	48.8	45.0	46.9	38.8	57.3	17.2	1st	67.9	30th	288	270	279	82.5	88.9	85.7	
May	776	56.6	51.3	54.0	46.3	62.8	36.2	31st	71.9	2nd 18th	362	338	350	78.9	88.6	83.8	
June	29.937	62.4	54.5	58.5	48.9	68.8	35.6	2nd	85.9	26th	416	395	406	73.1	91.5	82.3	
July	30° 025	63.5	57.9	60.7	52.1	70.6	36.5	4th	83.9	19th	436	428	432	74.1	88.4	81.3	
August	29.743	63.7	58.5	61.1	54.6	70.7	43.3	21st	78.6	5th	458	444	451	78.2	90.7	84.5	
September	964	58.1	53.5	55.8	46.6	64.8	32.2	24th	75.1	5th 7th	389	377	383	79.6	90.3	85.0	
October	761	50.7	47.8	49.3	43.2	58.1	31.5	30th	72.0	5th	332	313	323	88.0	92.5	90.3	
November	715	37.9	38.1	38.0	33.9	43.5	21.0	30th	53.1	25th	211	212	212	91.1	91.7	91.4	
December	29.689	31.9	32.4	32.2	27.4	36.6	10.0	25th	54.1	30th	170	177	174	92.0	92.4	92.2	
Year	29.906	49.4	46.5	48.0	41.4	56.0	—	—	—	—	311	302	307	83.7	90.5	87.1	

CARMARTHEN

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

AT 32° F.

29.967 ✓	January	ins. 30.186	42.9	42.1	42.5	38.6	47.7	24.5	11th	55.1	15th	in. 25.9	in. 25.8	in. 25.9	91.5	93.3	92.4
30.022 ✓	February	24.2	43.1	42.7	42.9	38.8	48.6	23.8	1st	59.7	17th	26.2	26.0	26.1	92.9	93.8	93.4
29.906 ✓	March	30.125	44.6	41.8	43.2	38.0	51.0	26.8	14th	57.9	7th	25.6	24.8	25.2	85.7	91.3	88.5
587 ✓	April	29.801	51.0	46.8	48.9	41.1	57.8	27.9	1st	63.9	25th	30.1	29.0	29.6	80.3	89.4	84.9
538 ✓	May	75.1	55.7	50.7	53.2	46.8	61.1	36.2	21st	66.0	10th	36.9	34.8	35.9	83.3	93.8	88.6
701 ✓	June	29.912	62.3	56.0	59.2	51.3	68.1	41.9	18th	85.0	27th	46.3	42.0	44.2	81.9	93.2	87.6
853 ✓	July	30.063	65.4	59.5	62.5	55.1	73.0	45.0	28th	85.4	21st	48.5	45.8	47.2	78.3	89.4	83.9
521 ✓	August	29.730	63.2	58.7	61.0	54.6	69.4	47.0	17th	75.5	1st	45.4	43.9	44.7	78.9	89.1	84.0
785 ✓	September	99.8	58.5	55.9	57.2	48.6	66.8	38.5	26th	73.6	5th	41.1	38.9	40.0	83.5	92.4	88.0
526 ✓	October	74.0	52.8	49.6	51.2	45.8	59.5	33.3	30th	71.0	5th	35.4	33.5	34.5	87.4	92.9	90.2
611 ✓	November	83.0	40.1	38.3	39.2	34.0	46.5	25.7	26th	54.1	10th	22.2	21.9	22.1	89.3	94.4	91.9
29.520 ✓	December	29.741	32.0	32.1	32.1	25.7	39.6	11.6	12th	54.7	31st	17.9	17.6	17.8	95.0	93.5	94.3
	Year	29.927	51.0	47.9	49.4	43.2	57.4	—	—	—	—	33.5	32.0	32.8	85.7	92.2	89.0

CHIGWELL ROW

Long. 0° 6' E. Lat. 51° 37' N. Height above Mean Sea Level, 186 feet.

January	ins. 30.185	39.4	39.7	39.6	36.0	44.4	28.3	25th	55.0	21st	in. 21.8	in. 21.8	in. 21.8	91	89	90
February	31.2	40.6	42.2	41.4	37.6	46.3	24.2	8th	58.0	18th	23.2	24.3	23.8	92	90	91
March	30.092	41.5	41.0	41.3	36.1	48.1	25.5	23rd	56.0	1st & 3rd	20.9	19.9	20.4	80	78	79
April	29.877	48.6	46.3	47.5	40.7	55.5	25.5	1st	65.0	30th	28.2	26.3	27.3	83	85	84
May	82.9	55.5	52.5	54.0	48.0	61.2	36.4	21st	70.2	12th	33.8	33.6	33.7	76	85	81
June	29.982	61.1	58.2	59.7	51.7	66.9	43.1	2nd	83.0	26th	39.3	39.0	39.2	73	80	77
July	30.070	63.1	61.3	62.2	55.0	69.2	45.8	4th	80.0	18th	43.3	42.4	42.9	75	78	77
August	29.792	62.5	60.3	61.4	55.5	68.0	50.2	17th	75.2	14th	45.8	44.0	44.9	81	84	83
September	30.021	57.0	55.8	56.4	49.3	62.8	38.7	24th	70.5	5th	37.7	37.8	37.8	81	84	83
October	29.818	51.8	49.9	50.9	45.6	57.0	30.6	30th	72.0	6th	32.1	31.0	31.6	83	87	85
November	77.2	39.3	39.1	39.2	35.3	44.1	30.1	30th	52.0	25th	21.5	21.5	21.5	90	90	90
December	29.752	33.0	33.2	33.1	29.3	37.2	13.0	25th	53.4	30th	17.5	17.7	17.6	93	93	93
Year	29.959	49.5	48.3	48.9	43.3	55.1	—	—	—	—	30.4	29.9	30.2	83.2	85.3	84.3

AUDLEY END.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

1878.	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	6.5	6.8	ins. 1.700	ins. 3.80	27th	19	6	2	0	3	12	0	5	0	0	2	1	16	6	20	12
February	7.3	7.0	7.2	1.140	2.80	13th	13	0	0	0	3	16	0	0	0	0	5	1	14	2	11	23
March	6.5	5.8	6.2	1.350	3.30	31st	15	11	0	0	4	12	0	6	6	0	1	0	1	10	38	0
April	6.5	3.9	5.2	1.680	5.00	20th	12	3	0	1	5	7	0	1	8	7	16	1	7	5	7	8
May	7.6	6.5	7.1	3.580	1.000	7th	23	0	1	6	1	11	0	0	7	1	12	3	23	1	12	3
June	6.6	4.5	5.6	1.660	2.70	12th	15	0	0	3	3	7	0	0	7	1	6	1	17	2	10	16
July	7.4	5.5	6.5	0.480	2.80	24th	6	0	0	1	0	8	0	8	12	0	3	0	2	13	17	7
August	6.9	6.3	6.6	3.840	7.60	12th	22	0	0	10	0	10	0	0	9	2	10	1	16	9	7	8
September	5.6	3.8	4.7	0.970	2.30	17th	14	0	0	2	7	6	0	0	1	1	1	9	17	7	16	8
October	6.3	4.1	5.2	2.410	6.80	21st	17	1	1	1	3	6	0	0	3	4	4	10	17	3	15	6
November	8.4	7.8	8.1	5.270	1.310	13th	21	5	1	0	0	18	1	5	8	0	3	0	7	1	27	9
December	8.3	6.6	7.5	1.130	2.60	27th	14	15	0	0	2	18	0	3	6	0	4	1	15	7	17	9
Year	7.0	5.7	6.4	25.210	—	—	191	41	5	24	31	131	1	28	67	16	67	28	152	66	197	109

CARMARTHEN.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

January	6.7	6.1	6.4	ins. 3.650	ins. 6.60	27th	21	1	3	0	5	14	0	6	0	1	1	4	12	8	9	21
February	8.4	9.0	8.7	2.920	6.90	28th	17	0	0	0	0	20	0	0	0	12	3	5	11	3	0	22
March	7.3	6.9	7.1	2.040	2.70	1st, 5th, 23rd	17	6	3	0	2	15	0	21	2	4	1	0	7	6	11	10
April	6.8	5.4	6.1	3.440	5.90	13th	18	0	0	1	5	12	0	1	1	17	12	7	3	3	2	14
May	7.5	5.5	6.5	4.460	7.20	16th	23	0	0	4	4	11	0	8	1	6	3	5	20	9	4	6
June	7.1	5.7	6.4	2.990	8.30	10th	16	0	0	2	3	11	0	2	0	7	5	7	10	6	1	22
July	6.1	4.8	5.5	1.950	1.030	23rd	10	0	0	3	5	10	0	12	6	5	1	0	4	8	7	19
August	8.0	7.1	7.6	7.030	1.950	4th	22	0	0	2	2	15	0	1	6	15	3	2	9	19	1	6
September	7.1	6.6	6.9	3.730	1.660	22nd	17	0	0	0	2	12	0	1	0	3	1	1	13	14	6	21
October	6.7	5.5	6.1	6.360	1.000	9th	21	1	2	0	3	9	2	4	0	8	3	4	13	16	2	12
November	5.0	5.2	5.1	4.680	1.420	9th	19	2	1	1	8	6	0	17	2	6	0	0	2	3	8	22
December	6.3	4.1	5.2	2.750	5.10	28th	18	6	1	0	8	8	1	10	1	7	1	3	3	5	2	30

OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

MARLBOROUGH, WILTS

Long. 1° 43' W. Lat. 51° 25' N. Height above Mean Sea Level, 471 feet.

1878.	Mean Pressure.	Air Temperature.									Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Day.	Max.	Day.						
January -	ins. 30° 192	38° 5	39° 5	39° 0	35° 6	45° 0	25° 3	30th	54° 7	21st	° 227	° 237	° 232	94° 2	95° 1	94° 7
February -	294	39° 7	41° 0	40° 4	37° 4	46° 8	24° 8	8th	57° 7	17th	° 237	° 246	° 242	95° 0	94° 3	94° 7
March -	30° 113	41° 1	39° 7	40° 4	34° 9	49° 2	24° 3	23rd	56° 7	{2nd, 3rd } 7th	° 221	° 216	° 219	83° 8	86° 8	85° 3
April -	29° 847	47° 7	45° 6	46° 7	39° 4	56° 4	25° 8	1st	65° 0	30th	° 278	° 273	° 276	82° 7	87° 8	85° 3
May -	801	54° 6	51° 2	52° 9	46° 3	62° 0	35° 3	31st	69° 8	10th	° 352	° 340	° 346	82° 5	89° 7	86° 1
June -	29° 953	61° 1	57° 2	59° 2	51° 2	69° 1	41° 6	15th	84° 8	26th	° 409	° 406	° 408	75° 7	86° 0	80° 9
July -	30° 064	63° 4	59° 4	61° 4	53° 3	71° 8	43° 7	4th	83° 9	19th	° 457	° 453	° 455	78° 3	88° 7	83° 5
August -	29° 771	61° 7	58° 4	60° 1	54° 7	70° 4	48° 0	1st	74° 6	5th	° 457	° 444	° 451	83° 5	90° 8	87° 2
September -	30° 018	57° 8	53° 2	55° 5	47° 0	65° 6	32° 7	24th	73° 4	11th	° 397	° 384	° 391	82° 5	93° 1	87° 8
October -	29° 794	50° 4	48° 4	49° 4	43° 7	58° 1	30° 9	30th	72° 6	5th	° 328	° 317	° 323	87° 9	92° 0	90° 0
November -	803	36° 9	37° 1	37° 0	33° 3	43° 6	25° 0	23rd	52° 0	25th	° 202	° 203	° 203	91° 4	90° 9	91° 2
December -	29° 756	31° 4	31° 4	31° 4	27° 5	37° 9	14° 0	25th	53° 7	31st	° 176	° 175	° 176	96° 4	95° 8	96° 1
Year -	29° 951	48° 7	46° 8	47° 8	42° 0	56° 3	—	—	—	—	° 312	° 308	° 310	86° 2	90° 9	88° 6

STRATHFIELD TURGISS

Long. 1° 0' W. Lat. 51° 20' N. Height above Mean Sea Level, 195 feet.

	ins.										in.	in.	in.	%	%	%
January -	30.185	39.6	40.0	39.8	35.0	45.0	21.7	12th	54.1	22nd	.219	.227	.223	86.9	89.5	88.2
February -	.310	41.5	41.6	41.6	36.7	47.4	23.0	8th	60.6	17th	.233	.245	.239	87.0	91.8	89.4
March -	30.097	42.6	40.9	41.8	35.4	50.3	24.0	17th	58.5	7th	.219	.212	.216	78.1	80.9	79.5
April -	29.845	50.1	46.2	48.2	39.4	57.9	27.0	6th	65.6	28th	.286	.278	.282	77.6	87.6	82.6
May -	.804	56.6	51.4	54.0	45.7	63.5	36.3	31st	72.2	10th	.372	.351	.362	81.1	91.8	86.5
June -	29.957	63.2	56.8	60.0	48.8	70.7	39.4	15th	89.1	26th	.434	.409	.422	74.6	87.7	81.2
July -	30.054	65.4	59.7	62.6	51.7	75.0	42.1	30th	86.8	19th	.473	.453	.463	75.5	88.2	81.9
August -	29.737	63.5	59.3	61.4	55.5	71.5	48.6	1st	77.6	5th	.475	.443	.459	81.5	88.0	84.8
September -	30.016	57.9	53.1	55.5	45.8	66.5	30.5	24th	74.9	8th	.398	.384	.391	82.6	93.8	88.2
October -	29.796	51.8	48.1	50.0	42.4	59.3	30.0	13th	74.2	5th	.346	.322	.334	87.9	93.8	90.9
November -	.780	38.8	37.9	38.4	33.6	44.3	24.2	23rd	52.1	{ 24th 25th }	.213	.211	.212	89.5	92.0	90.8
December -	29.743	32.7	31.9	32.3	26.5	37.9	8.2	25th	55.1	30th	.176	.173	.175	90.5	91.1	90.8
Year -	29.944	50.3	47.2	48.8	41.4	57.4	—	—	—	—	.320	.309	.315	82.7	89.7	86.2

RAMSGATE

Long. 1° 25' E. Lat. 51° 20' N. Height above Mean Sea Level 105 feet.

	ins.										in.	in.	in.	%	%	%
January -	30.149	39.8	40.2	40.0	36.1	44.2	28.2	27th	53.2	*22nd	.221	.218	.220	88.7	85.7	87.2
February -	.292	41.4	41.8	41.6	38.4	46.2	25.9	8th	55.3	17th	.244	.250	.247	92.6	93.3	93.0
March -	30.050	42.2	41.1	41.7	37.1	48.3	27.8	24th	57.4	3rd	.226	.213	.220	82.6	80.9	81.8
April -	29.871	48.0	45.5	46.8	41.7	53.3	29.7	1st	65.2	30th	.283	.273	.278	83.1	89.2	86.2
May -	.832	55.7	52.4	54.1	48.9	60.6	40.5	22nd	66.6	11th	.357	.349	.353	80.0	88.7	84.4
June -	29.984	61.1	57.0	59.1	53.5	66.4	45.8	16th	82.7	26th	.422	.398	.410	77.4	84.7	81.1
July -	30.057	64.6	60.5	62.6	56.0	69.4	49.4	4th	82.0	18th	.448	.450	.449	73.5	85.2	79.4
August -	29.798	65.0	61.1	63.1	57.8	69.6	52.8	21st	76.0	8th	.472	.476	.474	76.9	88.9	82.9
September -	30.018	59.6	56.7	58.2	51.5	65.0	41.1	24th	73.3	6th	.416	.407	.412	80.8	87.0	83.9
October -	29.820	53.2	51.5	52.4	47.3	58.1	30.8	30th	66.3	3rd	.344	.337	.341	83.9	86.9	85.4
November -	.745	41.5	41.5	41.5	37.7	45.5	28.4	30th	52.4	25th	.231	.233	.232	87.3	88.4	87.9
December -	29.744	35.2	34.9	35.1	30.5	39.0	19.1	25th	53.7	30th	.190	.190	.190	89.9	91.4	90.7
Year -	29.947	50.6	48.7	49.7	44.7	55.5	—	—	—	—	.321	.316	.319	83.1	87.5	85.3

MONTHLY SUMMARIES.—MARLBOROUGH—STRATHFIELD TURGISS—RAMSGATE.

MARLBOROUGH, WILTS.

Thermometers 4 feet above ground. Rain-gauge 1 foot 2 inches above ground.

1878.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	7.4	7.5	7.5	ins. 1.898	ins. .485	27th	16	2	0	0	4	19	0	2	2	2	0	2	8	22	7	17
February	8.6	8.3	8.5	1.847	.402	27th	14	0	0	0	2	21	0	2	1	2	1	4	12	5	0	29
March	6.9	5.8	6.4	1.655	.624	28th	11	6	0	0	4	12	0	7	4	1	0	0	7	12	9	22
April	6.8	4.2	5.5	2.586	.581	10th	15	2	1	0	6	10	0	0	2	19	3	6	5	13	1	11
May	8.4	6.7	7.6	4.259	.884	10th	23	0	1	6	2	16	0	1	1	11	2	7	23	5	0	12
June	7.1	6.0	6.6	3.978	.671	18th	15	0	1	5	3	13	0	3	7	3	0	1	2	8	2	36
July	7.2	4.9	6.1	2.606	1.160	1st	9	0	0	4	2	10	0	2	2	7	1	1	16	3	0	30
August	8.3	5.7	7.0	5.522	1.436	22nd	20	0	0	4	0	10	0	1	1	0	0	2	12	4	3	37
September	6.6	4.6	5.6	1.761	.630	22nd	13	0	0	1	5	10	0	1	1	0	0	2	12	4	3	37
October	6.6	6.4	6.5	4.018	.830	9th	17	0	0	0	1	11	0	1	1	3	0	8	14	6	1	28
November	7.4	6.7	7.1	3.629	.800	10th	16	7	0	0	4	17	0	10	2	0	0	0	3	8	6	31
December	7.3	6.3	6.8	2.070	.640	25th	11	7	0	0	5	16	0	7	1	0	0	1	7	7	1	38
Year	7.4	6.1	6.8	35.829	—	—	180	24	3	20	38	165	0	38	30	52	8	38	120	97	30	317

STRATHFIELD TURGISS.

Thermometers 4 feet above ground. Rain-gauge 1 foot 4 inches above ground.

Thermometers 4 feet above g.																							
				ins.	ins.	3rd	12	1	1	0	7	14	0	5	3	2	1	4	12	14	6	15	
January	-	6.2	6.3	6.3	1.120	.350	13th	12	0	0	1	2	18	0	3	1	0	11	11	3	10	2	15
February	-	8.1	8.0	8.1	1.625	.536	28th	8	4	1	0	4	17	0	9	6	4	1	0	9	12	17	4
March	-	7.6	6.4	7.0	1.175	.728	10th	16	0	2	0	5	8	0	3	8	11	3	5	15	7	3	5
April	-	6.6	4.5	5.6	2.353	.667	10th	16	0	1	7	1	10	0	1	0	5	3	10	25	9	1	8
May	-	7.5	5.8	6.7	2.712	.432	3rd	14	0	0	9	5	12	0	1	0	8	7	6	25	3	4	6
June	-	6.3	5.6	6.0	1.339	.320	24th	7	0	0	4	5	8	0	1	3	8	8	1	18	3	11	9
July	-	6.2	6.5	6.4	0.976	.379	22nd	18	0	0	8	0	14	0	0	0	11	10	3	27	8	0	3
August	-	7.9	6.4	7.2	4.384	.650	17th	8	0	0	0	5	8	0	0	0	2	2	1	16	16	10	13
September	-	6.1	4.4	5.3	0.749	.235	19th	13	1	0	0	4	9	0	0	0	5	3	6	12	11	11	14
October	-	6.4	5.5	6.0	3.023	.660	10th	16	1	1	0	2	16	0	11	8	2	2	1	4	8	18	6
November	-	7.6	7.3	7.5	3.738	.819	26th	13	7	0	0	2	15	0	3	2	1	3	1	15	5	19	13
December	-	8.0	6.5	7.3	1.493	.415																	
Year	-	7.0	6.1	6.6	24.687	—	153	14	6	29	42	149	0	37	31	59	54	49	181	106	102	111	

FOLKESTONE

Long. 1° 10' E. Lat. 51° 5' N. Height above Mean Sea Level, 159 feet.

1878.	Mean Pressure.	Air Temperature.									Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.	Min.	Day.	Max.	Day.						
January - -	ins. 30°166	39°9	39°8	39°9	35°8	44°1	27°6	25th	57°7	15th	in. °221	in. °221	in. °221	% 90	% 90	% 90
February - -	°303	41°8	41°7	41°8	38°3	45°9	28°1	8th	56°2	18th	°246	°253	°250	93	96	95
March - -	30°057	41°7	40°5	41°1	36°3	47°6	25°1	23th	56°6	2nd	°230	°217	°224	87	86	87
April - -	29°849	47°4	45°9	46°7	41°1	53°8	27°9	1st	60°4	27th	°289	°274	°282	88	88	88
May - -	°820	54°9	51°9	53°4	47°8	59°6	39°2	21st	65°8	12th	°368	°350	°359	85	90	88
June - -	29°965	61°3	57°3	59°3	53°0	66°3	46°1	{ 2nd 16th }	83°2	26th	°430	°403	°417	80	86	83
July - -	30°040	64°5	59°0	61°8	54°7	68°8	44°1	4th	79°9	23rd	°469	°452	°461	77	90	84
August - -	29°779	63°6	60°8	62°2	56°7	68°1	50°8	17th	74°5	5th	°485	°477	°481	82	89	86
September - -	30°008	59°8	55°6	57°7	50°6	65°6	43°2	27th	73°6	10th	°413	°400	°407	80	90	85
October - -	29°814	52°9	51°1	52°0	46°7	58°2	29°0	30th	65°8	5th	°341	°324	°333	85	86	86
November - -	°731	40°7	40°4	40°6	36°3	45°1	28°0	30th	51°4	25th	°224	°226	°225	88	90	89
December - -	29°731	34°4	34°6	34°5	30°0	38°6	20°1	15th	49°6	31st	°184	°188	°186	92	94	93
Year -	29°939	50°2	48°2	49°2	43°9	55°1	—	—	—	—	°325	°315	°320	85°6	89°6	87°6

SOUTHAMPTON *

Long. 1° 24' W. Lat. 50° 55' N. Height above Mean Sea Level, 74 feet.

Air Temperature.																	Tension of Vapour.			Relative Humidity.		
Month.	ins.	Means of						Absolute Min. and Max.			9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.						
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.												
January	30.197	41.0	41.3	41.2	37.1	45.9	24.5	12th	53.6	23rd	23.2	23.8	23.5	88.0	89.0	88.5						
February	289	42.4	43.0	42.7	38.4	46.7	27.5	8th	55.3	18th	24.7	25.5	25.1	89.5	89.3	89.4						
March	30.105	43.8	42.1	43.0	37.6	49.5	27.2	17th	56.6	3rd	21.9	21.7	21.8	74.8	79.3	77.1						
April	29.838	50.8	47.3	49.1	42.1	55.8	30.4	1st	62.3	26th	27.1	27.4	27.3	72.6	82.9	77.8						
May	809	56.9	52.6	54.8	49.0	61.3	40.3	21st	68.0	13th	33.7	33.4	33.6	72.5	83.9	78.2						
June	29.951	64.1	58.3	61.2	53.1	68.7	46.0	1st	84.0	27th	38.9	40.4	39.7	65.7	82.6	74.2						
July	30.052	66.4	61.3	63.9	55.7	72.2	48.1	4th	82.8	20th	42.3	44.1	43.2	65.0	81.1	73.1						
August	29.771	64.2	60.3	62.3	56.6	69.7	51.2	17th	73.4	3rd	45.1	45.0	45.1	75.5	86.3	80.9						
September	30.024	59.6	55.4	57.5	49.6	64.5	35.9	24th	71.9	7th	37.9	39.0	38.5	73.7	87.5	80.6						
October	29.800	53.4	50.6	52.0	46.5	58.6	33.2	30th	68.7	6th	33.3	32.3	32.8	80.0	85.9	83.0						
November	781	40.3	39.5	39.9	36.2	44.8	31.2	12th	52.5	25th	20.9	20.4	20.7	83.1	83.7	83.4						
December	29.746	34.5	34.8	34.7	30.3	39.4	22.2	15th	52.4	31st	17.8	18.1	18.0	85.6	85.5	85.6						
Year	29.947	51.5	48.9	50.2	44.4	56.4	—	—	—	—	30.6	30.9	30.8	77.2	84.8	81.0						

* Observations taken at 9.30 a.m. and 9.30 p.m. each day.

HASTINGS

Long. 0° 38' E. Lat. 50° 52' N. Height above Mean Sea Level, 172 feet.

	ins.										in.	in.	in.	%.	%.	%.
January - -	30.182	39.8	40.0	39.9	36.8	44.1	28.9	25th	51.5	15th	.223	.223	.223	89.0	88.4	88.7
February - -	.307	41.6	42.0	41.8	38.7	45.7	28.5	8th	54.3	21st	.247	.256	.252	92.6	94.0	93.3
March - -	30.079	41.7	40.9	41.3	36.7	47.3	23.4	25th	55.6	2nd	.221	.214	.218	81.4	80.9	81.2
April - -	29.851	48.3	46.2	47.3	42.0	54.1	27.1	1st	60.6	27th	.282	.275	.279	82.4	87.2	84.8
May - -	.825	54.9	52.1	53.5	48.5	59.6	39.6	21st	67.7	10th	.349	.344	.347	80.8	87.8	84.3
June - -	29.964	61.8	57.5	59.7	53.7	67.0	45.6	15th	83.7	27th	.406	.390	.398	74.3	82.6	78.5
July - -	30.044	63.9	60.0	62.0	55.7	69.4	47.5	4th	79.6	18th	.451	.448	.450	75.6	85.9	80.8
August - -	29.779	63.0	60.3	61.7	57.2	67.4	51.4	17th	73.9	5th	.472	.464	.468	82.2	88.8	85.5
September - -	30.014	59.2	56.1	57.7	51.2	64.2	42.6	21st	70.1	11th	.394	.396	.395	76.9	86.5	81.7
October - -	29.815	52.7	51.8	52.3	48.2	57.6	30.4	30th	67.0	5th	.341	.329	.335	83.7	83.9	83.8
November - -	.744	40.2	40.2	40.2	36.5	44.6	30.6	{ 29th 30th }	51.8	25th	.219	.224	.222	87.4	89.7	88.6
December - -	29.742	34.6	35.2	34.9	31.2	38.3	21.2	15th	49.6	31st	.186	.189	.188	90.0	89.0	89.5
Year -	29.946	50.1	48.5	49.3	44.7	54.9	—	—	—	—	.316	.313	.315	83.0	87.1	85.1

FOLKESTONE.

Thermometers 4 feet above ground. Rain-gauge 1 foot 3 inches above ground.

1878.	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	6.6	7.0	ins. 1.800	ins. 4.40	28th	16	8	2	0	2	13	2	15	1	2	0	7	8	20	7	2		
February -	8.4	7.9	8.2	1.370	3.80	27th	16	1	0	0	1	17	0	7	3	9	1	12	9	9	2	4		
March -	7.8	5.8	6.8	1.970	8.40	28th	14	9	2	0	1	12	1	21	3	2	1	2	6	14	13	0		
April -	6.2	5.2	5.7	1.730	2.30	3rd	16	1	2	1	6	8	1	8	6	19	4	3	11	6	1	2		
May -	7.6	6.1	6.9	2.920	7.60	28th	20	0	1	4	1	11	1	4	3	8	6	9	17	12	1	2		
June -	6.4	5.0	5.7	1.750	6.90	16th	11	0	1	6	4	7	0	7	3	19	4	5	11	5	3	3		
July -	6.4	5.8	6.1	0.730	3.30	29th	10	0	0	2	3	10	0	13	10	11	0	3	9	8	4	4		
August -	6.7	5.2	6.0	4.690	1.240	24th	20	0	0	5	1	7	1	3	10	9	2	10	11	17	0	0		
September -	4.9	4.8	4.9	1.850	9.20	19th	12	0	0	1	7	7	2	9	2	4	1	4	12	13	10	5		
October -	7.1	5.6	6.4	2.380	7.20	25th	13	2	0	0	1	7	4	8	1	13	3	10	8	14	5	0		
November -	7.7	7.7	7.7	5.170	7.60	15th	23	0	2	1	0	16	2	24	9	3	2	4	3	10	4	1		
December -	7.9	6.6	7.3	2.590	5.90	16th	23	11	3	1	3	17	1	18	6	2	5	4	11	8	8	0		
Year -	7.0	6.0	6.5	28.950	—	—	194	32	13	21	30	132	15	137	57	101	29	73	116	136	58	23		

SOUTHAMPTON.*

Thermometers 5 feet 8 inches above ground. Rain-gauge 8 inches above ground.

1878.	Amount of Cloud.			Rainfall.			Weather, No. of Days of			
-------	------------------	--	--	-----------	--	--	-------------------------	--	--	--

DARTMOOR

Long. 3° 59' W. Lat. 50° 33' N. Height above Mean Sea Level, 1,372 feet.

1878.	Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					Min.	Max.	Min.	Day.	Max.	Day.							
	ins.											in.	in.	in.	%	%	%
January - -	30° 228	38° 0	38° 0	38° 0	34° 6	42° 2	25° 0	12th	48° 6	22nd		° 222	° 225	° 224	94° 3	95° 8	95° 1
February - -	269	39° 4	40° 0	39° 7	36° 1	43° 1	23° 5	1st	54° 0	17th		° 237	° 242	° 240	97° 2	96° 7	97° 0
March - -	30° 142	39° 0	37° 9	38° 5	34° 0	43° 3	24° 5	30th	48° 8	2nd		° 213	° 213	° 213	87° 6	91° 0	89° 3
April - -	29° 812	44° 0	42° 1	43° 1	38° 3	48° 3	27° 6	1st	57° 0	26th		° 262	° 253	° 258	90° 4	92° 3	91° 4
May - -	790	49° 5	46° 7	48° 1	43° 4	53° 3	35° 8	21st	60° 8	31st		° 315	° 297	° 306	89° 4	93° 2	91° 3
June - -	29° 943	57° 6	52° 0	54° 8	48° 5	61° 4	42° 0	14th	78° 0	26th		° 371	° 355	° 363	78° 8	91° 3	85° 1
July - -	30° 073	59° 4	55° 4	57° 4	51° 9	65° 1	46° 0	1st	79° 8	18th		° 426	° 401	° 414	83° 8	90° 8	87° 3
August - -	29° 747	57° 8	54° 4	56° 1	50° 5	61° 9	40° 0	7th	68° 1	19th		° 428	° 405	° 417	89° 7	95° 8	92° 8
September -	30° 031	54° 1	51° 1	52° 6	46° 8	58° 7	38° 8	26th	70° 0	5th		° 364	° 355	° 360	86° 4	93° 7	90° 1
October - -	29° 786	48° 4	46° 5	47° 5	43° 4	52° 8	30° 5	30th	68° 6	5th		° 316	° 303	° 310	91° 6	93° 7	92° 7
November -	823	35° 3	35° 8	35° 6	32° 4	40° 4	26° 9	29th	48° 6	24th		° 190	° 195	° 193	91° 9	91° 9	91° 9
December -	29° 754	31° 3	31° 6	31° 5	27° 2	37° 0	15° 0	10th	48° 8	30th		° 174	° 176	° 175	95° 8	95° 3	95° 6
Year -	29° 950	46° 2	44° 3	45° 2	40° 6	50° 6	—	—	—	—		° 293	° 285	° 289	89° 7	93° 5	91° 6

BABBACOMBE

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

		Air Temperature.								Tension of Vapour.			Relative Humidity.		
		9 a.m.		9 p.m.		Mean.		Means of		Absolute Min. and Max.			Relative Humidity.		
		ins.		°		°		°		in.			%		
Month	Day	ins.	°	°	°	°	°	°	°	in.	in.	in.	%	%	%
January	-	30° 222	42° 1	42° 1	42° 1	38° 6	47° 2	24° 4	12th	54° 8	15th	244	243	244	88° 8
February	-	285	43° 8	43° 8	43° 8	40° 4	48° 3	32° 2	1st	57° 5	17th	263	261	262	90° 5
March	-	30° 145	44° 9	42° 2	43° 6	38° 3	50° 1	26° 8	17th	58° 2	7th	235	229	232	77° 5
April	-	29° 817	48° 1	46° 0	47° 1	42° 7	53° 4	31° 6	2nd	59° 3	30th	295	285	290	87° 2
May	-	797	54° 4	50° 7	52° 6	47° 5	59° 1	38° 2	21st	63° 9	18th	343	328	336	81° 1
June	-	29° 947	60° 3	56° 0	58° 2	52° 5	65° 0	46° 1	1st	72° 8	24th	413	394	404	79° 2
July	-	30° 075	63° 8	60° 1	62° 0	56° 0	69° 2	51° 0	{ 1st 4th }	78° 3	18th	447	441	444	75° 8
August	-	29° 764	62° 9	59° 0	61° 0	56° 3	68° 0	49° 0	17th	72° 8	8th	471	451	461	82° 4
September	-	30° 036	59° 7	54° 3	57° 0	50° 2	64° 7	42° 0	24th	71° 8	8th	403	385	394	78° 3
October	-	29° 791	53° 8	50° 6	52° 2	47° 3	58° 5	32° 0	30th	65° 9	{ 1st 4th }	356	331	344	84° 5
November	-	818	40° 8	40° 3	40° 6	37° 0	46° 1	31° 0	12th	52° 9	24th	221	216	219	86° 1
December	-	29° 756	35° 8	36° 0	35° 9	31° 4	41° 9	20° 6	{ 11th 15th }	52° 8	30th	194	192	193	89° 4
Year	-	29° 954	50° 9	48° 4	49° 7	44° 9	56° 0	—	—	—	—	324	313	319	83° 4

ST. AUBIN'S

Long. 2° 10' W. Lat. 49° 11' N. Height above Mean Sea Level, 139 feet.

		ins.										in.	in.	in.	%	%	%
January	-	30° 275	44° 9	44° 3	44° 6	40° 8	47° 7	33° 3	{ 11th 25th }	54° 9	{ 15th 17th }	250	242	246	81° 9	81° 7	81° 8
February	-	338	44° 2	43° 9	44° 1	40° 2	47° 4	29° 8	9th	55° 3	15th	268	263	266	90° 7	89° 9	90° 3
March	-	30° 179	46° 6	44° 2	45° 4	40° 6	50° 2	34° 0	{ 23rd 25th }	56° 0	2nd	259	241	250	80° 0	81° 4	80° 7
April	-	29° 859	50° 9	48° 8	49° 9	44° 9	55° 8	37° 8	4th	63° 1	30th	308	305	307	82° 0	87° 5	84° 8
May	-	29° 877	56° 8	53° 6	55° 2	50° 0	60° 6	45° 1	5th	66° 3	17th	366	355	361	79° 3	86° 0	82° 7
June	-	30° 006	62° 7	58° 4	60° 6	55° 1	67° 9	49° 7	16th	84° 1	26th	435	414	425	76° 9	85° 0	81° 0
July	-	30° 105	66° 3	61° 0	63° 7	58° 0	70° 2	53° 2	3rd	80° 5	18th	478	459	469	74° 4	86° 0	80° 2
August	-	29° 832	64° 6	61° 5	63° 1	59° 1	69° 7	55° 0	4th	73° 8	10th	488	473	481	80° 5	86° 9	83° 7
September	-	30° 098	62° 2	58° 1	60° 2	54° 9	67° 1	47° 0	24th	73° 7	10th	417	411	414	74° 4	84° 1	79° 3
October	-	29° 863	57° 1	54° 7	55° 9	51° 2	61° 1	39° 7	30th	67° 3	4th	365	347	356	77° 4	79° 6	78° 5
November	-	818	45° 5	44° 7	45° 1	40° 9	48° 9	34° 9	23rd	55° 2	4th	246	242	244	80° 7	81° 5	81° 1
December	-	29° 795	40° 2	40° 1	40° 2	36° 1	44° 7	27° 5	11th	54° 6	30th	210	207	209	82° 5	81° 6	82° 1
Year	-	30° 004	53° 5	51° 1	52° 3	47° 7	57° 6	—	—	—	—	341	330	336	80° 1	84° 3	82° 2

DARTMOOR.

Thermometers 4 feet above ground. Rain-gauge 8 inches above ground.

1878.	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. 5° 750	ins. 780	21st	20	6	0	0	4	19	4	1	11	0	1	1	14	4	19	11
February	8° 2	8° 7	8° 5	5° 490	1° 460	28th	17	0	0	0	2	21	0	2	4	4	5	7	8	7	3	16
March	7° 2	6° 0	6° 6	4° 550	1° 680	1st	16	8	1	0	1	12	3	7	9	4	0	1	2	10	20	9
April	7° 8	6° 9	7° 4	6° 250	700	23rd	25	2	0	0	5	19	5	0	3	14	9	9	6	7	6	6
May	9° 0	6° 9	8° 0	9° 330	2° 170	16th	24	0	0	2	0	20	3	0	2	8	5	7	16	8	12	4
June	7° 1	6° 1	6° 6	6° 050	1° 790	10th	19	0	1	1	3	12	0	1	1	5	4	7	4	15	1	22
July	7° 1	4° 6	5° 9	2° 410	680	12th	15	0	0	1	3	10	0	9	5	9	0	1	1	13	7	17
August	7° 1	6° 4	6° 8	9° 120	1° 670	13th	26	0	0	3	0	9	0	1	5	12	2	5	12	11	8	6
September	7° 4	5° 9	6° 7	5° 210	1° 550	22nd	18	0	0	0	2	10	2	0	0	7	0	4	3	11	20	15
October	7° 1	7° 6	7° 4	8° 790	1° 530	9th	23	2	1	0	1	15	7	3	1	10	4	9	8	7	16	4
November	6° 9	6° 0	6° 5	6° 500	1° 310	10th	21	8	2	0	4	11	4	16	15	1	4	1	4	1	10	8
December	5° 5	5° 4	5° 5	7° 020	1° 240	28th	20	10	1	0	7	11	4	6	8	6	5	3	2	9	5	18
Year	7° 4	6° 5	7° 0	76° 470	—	—	244	36	6	7	32	169	32	46	64	80	39	55	80	103	127	136

BABBACOMBE.

Thermometers 4 feet above ground. Rain-gauge 1 foot above ground.

Thermometers 1850 to 1859																			
				ins.		ins.													
				1850		1851													
				27th		12th													
				12th		28th													
				9th		16th													
				18th		22nd													
				20th		22nd													
				9th		10th													
				25th															

MARKREE CASTLE

Long. 8° 27' W. Lat. 54° 11' N. Height above Mean Sea Level, 131 feet.

1878.	Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.		
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					Min.	Max.	Min.	Day.	Max.	Day.							
At 32° F.	ins.											in.	in.	in.	%	%	%
29.966 ✓ January -	30.115	41.2	42.1	41.7	37.6	46.8	26.7	11th	54.6	21st	24.0	24.8	24.4	90.7	90.8	90.8	
987 ✓ February -	137	42.8	43.0	42.9	38.7	48.2	23.3	1st	56.8	28th	25.2	25.3	25.3	90.4	90.7	90.6	
999 ✓ March -	30.149	44.3	41.9	43.1	37.9	50.0	27.5	28th	54.8	{ 2nd 21st }	24.7	24.1	24.4	83.7	88.0	85.9	
623 ✓ April -	29.770	48.8	46.5	47.7	39.8	55.5	28.4	1st	63.4	24th	27.9	27.4	27.7	80.3	84.9	82.6	
532 ✓ May -	678	52.0	49.7	50.9	44.9	59.1	33.3	30th	64.6	18th	31.3	30.0	30.7	80.6	83.9	82.3	
720 ✓ June -	29.864	58.5	54.8	56.7	48.8	64.1	37.1	1st	75.6	29th	39.1	38.0	38.6	79.7	87.6	83.7	
935 ✓ July -	30.079	61.3	57.7	59.5	52.8	67.6	40.4	28th	80.9	22nd	43.4	41.7	42.6	79.8	86.6	83.2	
580 ✓ August -	29.723	61.2	57.8	59.5	53.1	67.0	40.4	25th	76.7	1st	43.4	41.5	42.5	80.9	86.7	83.8	
764 ✓ September -	910	56.6	53.2	54.9	48.5	61.9	39.3	23rd	70.7	{ 3rd 4th }	38.8	37.4	38.1	84.0	90.9	87.5	
495 ✓ October -	641	51.1	48.9	50.0	45.2	56.1	34.1	12th	66.2	4th	32.9	30.8	31.9	85.9	86.6	86.3	
776 ✓ November -	927	37.9	37.4	37.7	32.0	44.6	23.3	28th	51.2	9th	20.5	20.0	20.3	88.4	88.6	88.5	
29.610 ✓ December -	29.763	28.8	29.3	29.1	22.5	37.6	5.3	{ 17th 25th }	51.0	31st	15.7	16.0	15.9	94.0	93.0	93.5	
29.749 Year -	29.896	48.7	46.9	47.8	41.8	54.9	—	—	—	—	30.6	29.8	30.2	84.9	88.2	86.6	

DUBLIN

Long. 6° 15' W. Lat. 53° 20' N. Height above Mean Sea Level, 51 feet.

at 32° F.		ins.										in.	in.	in.	%	%	%	
30.0 ¹⁵ / ₁₆	January	-	30° 153	42° 0	43° 1	42° 6	39° 2	47° 1	28° 0	31st	56° 7	21st	239	247	243	87° 4	86° 4	86° 9
16	February	-	194	43° 8	44° 3	44° 1	40° 7	48° 5	27° 6	1st	59° 4	17th	251	255	253	86° 7	87° 6	87° 2
30.0 ⁸ / ₃₂	March	-	30° 140	44° 1	43° 5	43° 8	39° 4	49° 5	29° 7	24th	59° 6	1st	239	239	239	81° 0	82° 5	81° 8
29.7 ³³ / ₄₃	April	-	29° 810	49° 0	47° 7	48° 4	43° 2	54° 5	29° 9	1st	63° 1	13th	277	282	280	79° 0	84° 2	81° 6
6 ⁴ / ₁₃	May	-	719	54° 3	51° 5	52° 9	47° 5	59° 4	39° 9	21st	65° 9	17th	317	318	318	74° 9	83° 1	79° 0
29.8 ²² / ₁₆	June	-	29° 898	59° 3	56° 9	58° 1	52° 8	63° 5	42° 8	1st	73° 6	26th	396	398	397	78° 4	85° 4	81° 9
30.0 ²⁵ / ₁₆	July	-	30° 092	62° 5	60° 9	61° 7	56° 2	67° 9	48° 2	13th	75° 1	17th	431	445	438	76° 1	82° 6	79° 4
29.6 ⁶⁵ / ₈₁	August	-	29° 740	60° 6	59° 1	59° 9	55° 8	65° 6	49° 4	17th	71° 4	7th	439	442	441	83° 2	88° 1	85° 7
8 ¹⁷ / ₁₉	September	-	957	56° 8	55° 4	56° 1	50° 8	62° 5	40° 0	21st	67° 7	11th	389	382	386	83° 1	85° 6	84° 4
6 ¹⁷ / ₁₉	October	-	693	51° 3	49° 9	50° 6	46° 8	56° 4	32° 9	30th	65° 6	6th	330	314	322	85° 2	85° 0	85° 1
8 ¹⁹ / ₂₅	November	-	898	36° 8	37° 9	37° 4	33° 3	43° 1	26° 3	26th	50° 5	10th	193	203	198	87° 7	88° 0	87° 9
29.6 ¹⁵ / ₁₆	December	-	29° 755	31° 9	33° 0	32° 5	28° 4	37° 2	14° 0	24th	52° 5	30th	168	176	172	91° 5	90° 6	91° 1
29.844	Year		29° 921	49° 4	48° 6	49° 0	44° 5	54° 6	—	—	—	—	306	308	307	82° 9	85° 8	84° 3

PARSONSTOWN

Long. 7° 55' W. Lat. 53° 6' N. Height above Mean Sea Level, 182 feet.

At 32° F.		ins.										in.		in.		in.		%		%		%		
		30° 173	41° 0	41° 8	41° 4	37° 4	47° 0	26° 3	11th	56° 1	21st	24° 5	25° 3	24° 9	93° 0	92° 7	92° 9							
29.970/		January -	185	42° 8	42° 9	42° 9	38° 9	48° 7	24° 7	1st	57° 2	16th	26° 0	25° 6	92° 6	92° 1	92° 4							
983/		February -	169	44° 4	42° 4	43° 4	37° 1	51° 2	27° 8	16th	58° 1	18th	25° 8	24° 8	25° 3	86° 8	89° 3	88° 1						
967/		March -	586/	29° 784	49° 6	46° 1	47° 9	39° 4	56° 7	25° 7	1st	63° 4	13th	29° 6	28° 3	29° 0	82° 7	89° 3	86° 0					
508/		April -	703	53° 4	49° 9	51° 7	45° 4	60° 8	38° 7	21st	65° 3	5th	32° 0	31° 0	31° 5	77° 9	86° 2	82° 1						
689/		May -	883	58° 4	55° 8	57° 1	51° 8	64° 9	42° 7	1st	75° 0	30th	39° 9	39° 5	39° 7	81° 3	88° 2	84° 8						
906/		June -	100	62° 9	59° 7	61° 3	56° 0	70° 1	45° 9	13th	83° 3	22nd	44° 2	44° 8	44° 5	76° 6	86° 8	81° 7						
543/		July -	735	60° 7	58° 4	59° 6	55° 8	67° 8	46° 6	28th	76° 3	1st	43° 4	44° 3	43° 9	82° 2	90° 6	86° 4						
769/		August -	965	57° 1	54° 0	55° 6	49° 9	63° 3	35° 4	21st	71° 1	5th	40° 6	38° 5	39° 6	86° 0	90° 8	88° 4						
493/		September -	689	51° 4	48° 2	49° 8	45° 2	57° 6	30° 5	31st	66° 6	4th	34° 4	31° 4	32° 9	88° 3	90° 5	89° 4						
737/		October -	941	35° 4	35° 8	35° 6	29° 5	44° 5	21° 0	29th	52° 7	10th	19° 0	20° 1	19° 6	90° 1	94° 3	92° 2						
29.577/		November	782	29° 3	29° 2	29° 3	23° 7	36° 8	7° 7	24th	52° 8	30th	⁴ 18° 8	⁴⁷ 12° 5	⁴⁸ 12° 2	91° 0	92° 0	91° 5						
		December																						
29.727		Year	926	48° 9	47° 0	48° 0	42° 5	55° 8	—	—	—	—	—	—	—	—	—	—						

* Wet-bulb readings not dependable during December.

MARKREE CASTLE.

Thermometers 4 feet above ground. Rain-gauge 16 feet 7 inches above ground.

1878.	Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January -	7.9	8.0	8.0	ins. 5.118	ins. .832	20th	25	3	5	1	0	16	0	3	1	2	3	6	15	9	7	16	23
February -	7.8	7.9	7.9	1.443	.216	25th	21	0	0	0	1	15	0	1	1	1	8	14	9	4	0	18	17
March -	7.1	5.6	6.4	2.500	.364	1st	25	4	5	0	3	12	0	9	4	2	1	5	7	7	13	14	22
April -	5.9	5.3	5.6	1.802	.400	12th	18	0	2	0	7	9	0	2	2	9	16	8	5	2	2	14	16
May -	8.4	6.8	7.6	4.040	.432	10th	25	0	1	0	0	15	0	8	4	8	9	9	8	6	8	2	23
June -	7.0	8.5	7.8	4.693	1.268	27th	24	0	0	1	1	14	0	4	2	13	16	7	3	3	3	9	18
July -	7.8	7.3	7.6	1.141	.282	26th	18	0	0	1	2	15	0	8	3	4	3	3	8	5	17	11	12
August -	7.6	7.7	7.7	3.638	1.041	26th	23	0	0	2	1	18	0	3	3	11	10	5	5	4	7	14	23
September -	8.3	7.2	7.8	4.178	.710	23rd	24	0	1	0	0	15	0	2	0	0	3	13	13	6	10	13	24
October -	8.3	7.5	7.9	5.247	.814	24th	24	0	3	0	0	15	0	7	0	1	21	12	4	5	8	4	22
November -	7.3	5.7	6.5	3.551	.579	12th	24	4	4	0	2	10	0	14	1	1	1	0	4	1	8	30	21
December -	6.5	6.6	6.6	1.920	.260	31st	16	12	1	0	4	12	0	8	2	3	2	2	4	1	5	35	16
Year -	7.5	7.0	7.3	39.271	—	—	267	23	22	5	21	166	0	69	23	55	93	84	85	53	88	180	227

DUBLIN.

Thermometers 4 feet above ground. Rain-gauge 3 feet 4 inches above ground.

Thermometers																							
		ins.			ins.																		
		3rd			12th			17th		16th		10th		19th		9th		11th					
January	-	7.4	7.0	7.2	1.557	.318	3rd	20	3	3	0	0	11	3	3	1	1	3	2	15	25	4	8
February	-	8.0	7.8	7.9	1.576	.826	12th	14	1	2	0	2	19	0	0	0	2	7	6	8	24	3	6
March	-	6.7	6.2	6.5	1.557	.200	28th	17	6	6	0	4	13	3	8	3	4	3	0	5	17	17	5
April	-	5.8	4.7	5.3	2.350	1.102	29th	16	1	2	0	4	4	0	1	9	7	15	7	6	6	4	5
May	-	6.5	5.5	6.0	4.540	1.220	10th	23	0	5	1	1	7	0	7	4	4	7	7	12	12	7	2
June	-	7.5	7.0	7.3	5.058	.980	3rd	19	0	0	4	0	12	0	0	3	9	10	9	4	11	7	7
July	-	6.5	5.5	6.0	0.650	.324	26th	9	0	0	2	3	8	0	5	6	11	3	0	1	16	13	7
August	-	7.2	6.1	6.7	4.641	1.106	13th	22	0	1	1	0	10	1	1	8	10	7	6	4	12	7	7
September	-	6.5	5.9	6.2	1.684	.479	29th	16	0	0	1	2	7	2	2	0	3	2	5	12	22	11	3
October	-	6.0	4.3	5.2	2.095	.965	7th	16	0	1	1	4	5	3	3	1	0	8	13	11	14	9	3
November	-	5.0	5.0	5.0	1.338	.556	9th	11	3	3	1	6	5	1	10	2	0	0	1	2	19	21	5
December	-	6.2	5.1	5.7	1.616	.284	11th	19	12	5	0	2	7	2	3	0	1	4	2	2	34	10	6
Year	-	6.6	5.8	6.2	28.262	—	—	202	26	28	11	28	108	15	43	37	52	69	58	82	212	113	64

ANNUAL SUMMARY OF OBSERVATIONS taken at 9 a.m. and 9 p.m.

1878

Stations.				Mean Pressure.	Air Temperature.										Tension of Vapour.			Relative Humidity.			
1878.	Height above Mean Sea Level.	Long.	Lat.		Means of				Absolute Min. and Max.						9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
					9 a.m.	9 p.m.	Mean.	Min.		Max.		Min.	Date.	Max.							Date.
								Min.	Max.	Min.	Date.										
Sandwich	94	3 18 W.	59 2 N.	ins. 29.807	46.6	45.0	45.8	42.0	50.5	22.3	Dec.	28th	73.0	June 25th	in. 27.4	in. 26.7	in. 27.1	84.4	87.6	86.0	
Glenalmond	529	3 40 W.	56 27 N.	867	45.8	44.4	45.1	39.1	52.4	12.5	Dec.	14th	80.2	July 20th	267	268	268	81.6	86.4	84.0	
Seaham	60	1 19 W.	54 50 N.	866	48.7	46.4	47.6	41.7	53.7	13.3	Dec.	14th	84.8	July 18th	297	291	294	83.3	89.3	86.3	
Durham*	335	1 35 W.	54 46 N.	867	49.2	44.6	46.9	40.3	54.7	3.0	Dec.	14th	88.9	July 19th	301	279	290	81.4	89.3	85.4	
Douglas	137	4 30 W.	54 10 N.	—	48.8	46.9	47.9	—	—	12.8	Dec.	24th	77.8	July 22nd	—	—	—	—	—	—	
Hull	14	0 20 W.	53 45 N.	902	49.0	47.2	48.1	42.2	56.4	13.0	Dec.	25th	87.5	July 20th	306	297	301	84.5	88.0	86.3	
Wakefield	96	1 30 W.	53 41 N.	902	48.5	47.3	47.9	41.8	55.2	10.8	Dec.	25th	86.8	June 27th	293	291	292	82.0	85.0	83.5	
Prestwich	294	2 17 W.	53 32 N.	899	47.4	46.4	46.9	41.7	53.6	7.0	Dec.	24th	84.6	June 27th	290	289	290	85.2	88.3	86.8	
Kelstern	388	0 7 W.	53 24 N.	908	47.3	44.6	46.0	40.4	53.7	11.8	Dec.	14th	82.8	June 27th	306	293	300	88.7	94.1	91.4	
Llandudno	88	3 50 W.	53 20 N.	904	51.1	49.0	50.1	45.2	57.1	20.7	Dec.	13th	93.0	June 27th	308	300	304	79.0	82.8	80.9	
Buxton	987	1 54 W.	53 14 N.	929	46.3	44.1	45.2	—	51.7	2.5	Dec.	24th	80.4	June 26th	279	271	275	84.0	87.7	85.9	
Cheadle	646	1 57 W.	52 58 N.	917	46.2	45.5	45.9	40.9	—	16.9	Dec.	14th	82.0	June 27th	283	283	283	86.8	89.1	88.0	
Hillington	88	0 33 E.	52 48 N.	901	49.6	46.1	47.9	40.9	56.3	6.9	Dec.	25th	87.8	June 26th	324	306	315	86.1	92.3	89.2	
Leicester	237	1 8 W.	52 39 N.	916	48.9	48.4	48.7	42.5	55.3	6.9	Dec.	25th	85.0	{ June 26 } { June 27 }	292	295	294	81.5	83.8	82.9	
Uppingham	484	0 44 W.	52 35 N.	914	47.9	45.8	46.9	41.0	55.1	17.9	Dec.	25th	88.8	July 19th	302	292	297	85.3	89.2	87.3	
Oscott	460	1 51 W.	52 33 N.	919	47.6	46.6	47.1	41.8	54.7	12.7	Dec.	25th	84.0	June 26th	301	298	300	86.3	89.0	87.7	
Churchstoke	548	3 5 W.	52 31 N.	947	47.6	46.5	47.1	41.1	54.1	12.2	{ Dec. 24th } { Dec. 25th }	83.3	June 26th	294	287	291	84.3	85.9	85.1		
Hereford	274	2 45 W.	52 5 N.	924	48.9	47.4	48.2	42.0	55.8	4.8	Dec.	25th	84.6	June 26th	—	—	—	—	—	—	
Audley End	154	0 13 E.	52 1 N.	906	49.4	46.5	48.0	41.4	56.0	10.0	Dec.	25th	85.9	June 26th	311	302	307	83.7	90.5	87.1	
Carmarthen	188	4 18 W.	51 52 N.	927	51.0	47.9	49.4	43.2	57.4	11.6	Dec.	12th	85.4	July 21st	335	320	328	85.7	92.2	89.0	
Chigwell Row	186	0 6 E.	51 37 N.	959	49.5	48.3	48.9	43.3	55.1	13.0	Dec.	25th	83.0	June 26th	304	299	302	83.2	85.3	84.3	
Marlborough	471	1 43 W.	51 25 N.	951	48.7	46.8	47.8	42.0	56.3	14.0	Dec.	25th	84.8	June 26th	312	308	310	86.2	90.9	88.6	
Strathfield Turgiss	195	1 0 W.	51 20 N.	944	50.3	47.2	48.8	41.4	57.4	8.2	Dec.	25th	89.1	June 26th	320	309	315	82.7	89.7	86.2	
Ramsgate	105	1 25 E.	51 20 N.	947	50.6	48.7	49.7	44.7	55.5	19.1	Dec.	25th	82.7	June 26th	321	316	319	83.1	87.5	85.3	
Folkestone	159	1 10 E.	51 5 N.	939	50.2	48.2	49.2	43.9	55.1	20.1	Dec.	15th	83.2	June 26th	325	315	320	85.6	89.6	87.6	
Southampton†	74	1 24 W.	50 55 N.	947	51.5	48.9	50.2	44.4	56.4	22.2	Dec.	15th	84.0	June 27th	306	309	308	77.2	84.8	81.0	
Hastings	172	0 38 E.	50 52 N.	946	50.1	48.5	49.3	44.7	54.9	21.2	Dec.	15th	83.7	June 27th	316	313	315	83.0	87.1	85.1	
Dartmoor	5372	3 59 W.	50 33 N.	950	46.2	44.3	45.2	40.6	50.6	15.0	Dec.	10th	79.8	July 18th	293	285	289	89.7	93.5	91.6	
Babbacombe	293	3 31 W.	50 29 N.	29.954	50.9	48.4	49.7	44.9	56.0	20.6	{ Dec. 11th } { Dec. 15th }	78.3	July 18th	324	313	319	83.4	87.9	85.7		
St. Aubin's	139	2 10 W.	49 11 N.	30.004	53.5	51.1	52.3	47.7	57.6	27.5	Dec.	11th	84.1	June 26th	341	330	336	80.1	84.3	82.2	
Markree Castle	131	8 27 W.	54 11 N.	29.896	48.7	46.9	47.8	41.8	54.9	5.3	{ Dec. 17th } { Dec. 25th }	80.9	July 22nd	306	298	302	84.9	88.2	86.6		
Dublin	51	6 15 W.	53 20 N.	921	49.4	48.6	49.0	44.5	54.6	14.0	Dec.	24th	75.1	July 17th	306	308	307	82.9	85.8	84.3	
Parsonstown	182	7 55 W.	53 6 N.	29.926	48.9	47.0	48.0	42.5	55.8	7.7	Dec.	24th	83.3	July 22nd	—	—	—	—	—	—	

* The observations at Durham were taken at 10 a.m. and 10 p.m. each day.
† The observations at Southampton were taken at 9.30 a.m. and 9.30 p.m. each day.

each Day, Local Time, at BRITISH STATIONS OF THE SECOND ORDER.

1878.

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.	1878.		
6.4	6.8	6.6	ins. 38.170	ins. 1.180	Sept. 24th	232	41	14	3	42	141	33	88	43	52	108	76	81	104	96	82	Sandwich.		
6.6	6.4	6.5	36.155	1.553	June 7th	158	37	4	8	25	125	12	54	53	121	48	51	111	124	73	60	Glenalmond.		
6.1	5.5	5.8	29.632	1.030	Aug. 3rd	191	37	24	18	47	98	7	77	45	33	38	69	121	154	86	107	Seaham.		
6.9	5.9	6.4	36.691	1.560	Nov. 15th	190	34	11	18	29	139	3	59	71	39	30	130	133	91	147	30	Durham.*		
—	—	—	37.674	1.230	Jan. 27th	189	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Douglas.		
6.2	5.1	5.7	26.890	.780	Oct. 24th	192	14	0	5	54	100	10	54	83	32	60	45	152	102	123	79	Hull.		
7.0	6.2	6.6	27.880	1.100	April 20th	181	19	3	13	21	118	3	51	52	54	44	52	78	184	75	140	Wakefield.		
7.2	6.3	6.8	36.128	.940	Sept. 17th	193	29	20	20	29	152	2	78	74	46	37	100	60	115	64	156	Prestwich.		
6.8	5.5	6.1	32.126	1.340	Nov. 15th	224	35	6	27	40	120	8	71	61	59	69	70	132	110	132	26	Kelstern.		
6.9	6.0	6.5	29.657	1.570	Aug. 13th	181	25	17	4	44	152	20	98	50	83	45	72	71	238	73	0	Llandudno.		
7.2	6.9	7.1	53.619	1.440	Jan. 13th	203	40	9	16	12	139	4	65	49	60	61	19	79	141	215	41	Buxton.		
7.1	6.0	6.5	37.570	1.210	Aug. 6th	189	32	4	22	35	146	53	97	44	101	78	99	91	88	125	7	Cheadle.		
7.4	6.5	7.0	31.984	1.930	Aug. 3rd	214	31	10	29	23	156	10	57	84	51	79	54	175	87	127	16	Hillington.		
8.1	6.2	7.2	29.730	1.780	Aug. 3rd	197	22	5	15	24	176	4	45	106	33	37	63	193	87	78	88	Leicester.		
7.9	6.5	7.2	28.534	1.353	May 7th	175	35	7	22	27	179	16	77	62	37	42	60	115	126	113	98	Uppingham.		
8.3	6.4	7.4	29.500	1.120	May 10th	189	36	10	27	22	196	26	76	88	55	41	96	130	91	112	41	Oscott.		
6.6	6.2	6.4	31.183	1.180	Nov. 9th	204	36	4	19	15	88	7	76	49	55	76	39	117	123	121	74	Churchstoke.		
7.1	5.6	6.4	32.312	2.750	Sept. 7th	213	19	2	11	32	126	3	43	46	43	19	40	57	96	62	324	Hereford.		
7.0	5.7	6.4	25.210	1.310	Nov. 13th	191	41	5	24	31	131	7	28	67	16	67	28	152	66	197	109	Audley End.		
6.9	6.0	6.5	46.000	1.950	Aug. 4th	219	16	10	13	47	143	3	83	19	91	34	38	107	100	53	205	Carmarthen.		
7.8	6.8	7.3	30.700	2.750	June 30th	167	21	5	27	20	161	12	90	57	79	58	81	130	107	67	61	Chigwell Row.		
7.4	6.1	6.8	35.829	1.436	June 22nd	180	24	3	20	38	165	0	38	30	52	8	38	120	97	30	317	Marlborough.		
7.0	6.1	6.6	24.687	.819	Nov. 10th	155	14	6	29	42	149	0	37	31	59	54	49	181	106	102	111	Strathfield Turgiss.		
7.0	5.9	6.5	30.402	1.250	Nov. 15th	183	30	23	12	24	122	20	19	120	41	22	49	214	106	84	75	Ramsgate.		
7.0	6.0	6.5	28.950	1.240	Aug. 24th	194	32	13	21	30	132	15	137	57	101	29	73	116	136	58	23	Folkestone.		
7.4	6.1	6.8	32.598	2.365	Aug. 24th	188	14	2	15	42	169	13	57	125	27	74	22	204	50	139	32	Southampton.†		
6.6	5.9	6.3	36.720	1.770	Aug. 23rd	204	23	8	23	57	148	41	95	149	55	24	72	127	128	51	29	Hastings.		
7.4	6.5	7.0	76.470	2.170	May 16th	244	36	6	7	32	169	32	46	64	80	39	55	80	103	127	136	Dartmoor.		
6.9	6.1	6.5	36.080	1.200	March 28th	189	28	17	12	39	148	19	82	87	69	21	40	126	162	91	52	Babbacombe.		
7.0	5.9	6.5	41.121	1.154	Nov. 13th	240	11	40	17	30	132	8	65	107	67	44	53	125	90	88	* 91	St. Aubin's.		
7.5	7.0	7.3	39.271	1.266	June 27th	267	23	22	5	21	166	0	69	23	55	93	84	85	53	88	180	Markree Castle.		
6.6	5.8	6.2	28.262	1.220	May 10th	202	26	28	11	28	108	15	43	37	52	69	58	82	212	113	64	Dublin.		
7.4	6.5	7.0	31.070	1.977	July 23rd	226	17	12	4	34	172	1	39	27	30	104	68	110	99	94	150	Parsonstown.		

LONDON:
Printed by GEORGE E. EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty.
For Her Majesty's Stationery Office.
[1440.—500.—2/80.]