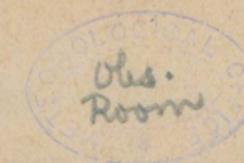


Official, No. 45.



# METEOROLOGICAL OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER

For the Year 1879.

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Published by Direction of the Meteorological Council.

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LONDON:

PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,

AND SOLD BY

J. D. POTTER, 31 POULTRY; AND EDWARD STANFORD, 55 CHARING CROSS.

1882.

*Price Twenty Shillings.*



# ERRATA.

- Page 1. Parsonstown, Observer :—  
For "J. Dreyer, M.A., and J. Mitchell," read "W. Harding."
- " 3. Laudale, Min. temperature :—  
23rd. For "29·0," read "26·8."  
26th. For "33·9," read "30·8."  
Mean for Month. For "29·7," read "29·5."
- " 6. Buxton, Max. temperature :—  
31st. For "25·0," read "28·5."
- " 42. Glenalmond, Remarks :—  
15th. For "×," read "Δ."
- " 46. Uppingham, Min. temperature :—  
20th. For "36·8," read "34·2."  
Mean for month. For "34·7," read "34·6."
- " 57. Llandudno, Cloud amount :—  
26th, 9 p.m. For "10," read "1."
- " 64. Dartmoor, Height above Mean Sea Level :—  
For "1,372 feet," read "1,359 feet."
- " 72. Uppingham, Air temperature, Tension, and Humidity :—  
5th, 9 p.m. For "54·6," "349," "82," read "54·1," "354," "84."  
Means. For "53·0," "369," "91·2," read "52·9," "369," "91·3."
- " 78. Dartmoor, Height above Mean Sea Level :—  
For "1,372 feet," read "1,359 feet."
- " 82. Durham, Barometer :—  
24th, 9 a.m. For "·887," read "·887."

# ADDENDUM.

- Page 1. "Durham, G. A. Goldney, Esq.," should be inserted third in the list of Stations and Observers.

# OBSERVATIONS

FROM

# STATIONS OF THE SECOND ORDER, 1879.

THE following is the list of the Stations from which returns are available for the year 1879, for publication *in extenso* on Form A.

Two Stations disappear from the List for the year, viz., Durham—no returns having yet been received for 1879—and Hereford, where the series is discontinued, owing to the inability of Dr. Chapman to take regularly the 9 p.m. observations. The additions are three in number, Laudale, on the West Coast of Scotland; Cheltenham, Gloucestershire; and Londonderry, for the North of Ireland.

It should be noted, besides, that at Dartmoor the position of the instruments was changed at the beginning of April, when, on Dr. Power's promotion to another post, the work of observing was taken over by Mr. W. H. Tooker, a resident in the village.

As before, the Stations are given in the order of latitude, beginning with the most Northerly, but starting afresh for the Irish Stations.

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

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

\* "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. 0 slight Rain.

2 heavy Rain.

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

In giving the period of occurrence of the various phenomena "m" is 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° Fahr. 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., (except at Laudale, where the minimum was set at 9 a.m.,) and the readings entered to the day on which they were read.

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

In Relative Humidity, complete saturation is represented by 100.

The Wind direction is *true*. Wind force is estimated by Beaufort's Scale, where 0 represents calm, and 12 represents a hurricane.

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, 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.

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

## LAUDALE.

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

JANUARY 1879.

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.	33°	27°	27°	35°	ins.	ins.	79	75	N	3	N	1	3	ins. * ga. ~ qp.
2	29°728	29°763	33°2	27°0	23°8	36°0	151	109	100	81	N	1	N	1	0	~ ga. and qp.
3	809	806	27°0	29°0	23°8	36°0	147	128	100	81	N	1	N	1	0	~ ga. and qp.
4	738	562	29°0	35°0	26°0	40°8	130	184	82	90	NE	2	N	1	0	~ ga. and qp.
5	29°766	29°950	36°3	37°8	25°8	37°8	172	192	80	85	NE	1	N	1	0	~ ga. and qp.
6	30°084	30°111	34°1	30°0	24°0	37°8	175	116	88	69	ESE	2	N	1	0	~ ga. and qp.
7	30°184	30°050	35°0	38°0	30°0	40°0	184	157	90	68	ESE	3	NE	8	10	~ ga. and qp.
8	29°892	29°650	37°5	32°0	28°0	42°0	178	170	79	94	ESE	9	ESE	9	0	~ ga. and qp.
9	29°736	29°966	35°2	35°0	31°8	37°0	165	184	87	90	ESE	4	ESE	5	4	~ ga. and qp.
10	30°104	29°863	36°0	35°0	31°5	37°0	212	194	100	95	ESE	2	ESE	4	3	~ ga. and qp.
11	29°778	29°666	34°0	35°5	28°0	36°6	196	197	100	95	SE	6	SE	2	9	~ ga. and qp.
12	724	846	30°0	33°8	22°1	35°5	143	178	85	91	Calm	0	SE	3	4	~ ga. and qp.
13	883	635	31°8	40°1	30°0	40°1	141	229	78	93	SE	5	SW	8	3	~ ga. and qp. 2 later.
14	715	619	42°7	46°0	31°5	52°8	259	265	94	86	SSE	4	SW	6	7	~ ga. and qp.
15	566	390	44°0	43°0	37°6	47°5	265	245	92	88	SSE	7	SW	2	10	~ ga. and qp.
16	416	29°714	42°0	37°5	35°6	44°0	225	190	85	85	SW	4	NW	1	10	~ ga. and qp.
17	29°895	30°062	40°4	32°2	31°0	43°5	222	158	89	86	SW	1	SSE	2	9	~ ga. and qp.
18	30°052	29°751	36°0	40°0	30°9	42°5	184	189	87	76	SSE	6	SSE	8	10	~ ga. and qp.
19	29°861	30°152	36°9	40°0	34°5	40°0	197	181	90	73	SE	5	SSE	6	10	~ ga. and qp.
20	30°180	30°211	35°0	36°0	31°5	41°0	196	193	96	91	ESE	7	SSE	8	3	~ ga. and qp.
21	30°162	29°963	33°2	35°0	31°0	36°5	138	194	68	95	ESE	4	SSE	4	0	~ ga. and qp.
22	29°985	30°214	35°0	37°0	26°0	37°5	161	204	78	93	ESE	3	SSE	3	0	~ ga. and qp.
23	30°267	264	26°8	35°5	25°6	37°9	119	189	83	91	ESE	1	NE	1	6	~ ga. and qp.
24	197	117	30°0	35°0	29°0	37°0	156	184	93	90	NE	1	NE	1	10	~ ga. and qp.
25	159	121	32°5	30°8	26°5	35°8	175	152	95	88	SSE	1	NE	1	4	~ ga. and qp.
26	192	119	30°8	34°0	30°2	34°0	152	196	88	100	E	2	SSE	2	10	~ ga. and qp.
27	106	264	37°0	30°0	23°9	39°0	184	83	87	87	SSE	3	SSE	1	10	~ ga. and qp.
28	393	462	39°0	36°2	33°9	39°0	199	191	84	89	Calm	0	Calm	0	10	~ ga. and qp.
29	446	318	40°0	33°0	30°9	41°1	207	167	84	89	Calm	0	SSE	2	7	~ ga. and qp.
30	399	459	39°0	37°0	33°0	40°0	199	149	84	68	ESE	3	SSE	2	4	~ ga. and qp.
31	479	409	35°0	35°0	33°6	37°5	148	156	72	76	E	2	E	2	6	~ ga. and qp.
Means	30°006	29°990	35°1	35°4	29°7	39°3	178	179	86°1	85°7	3°0	3°1	5°4	4°4	1°710	

## GLENALMOND.

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

JANUARY 1879.

1	29°721	29°764	29°8	21°0	17°8	45°0	095	098	59	70	W	4	W	3	4	0	—	* in past n.
2	829	839	26°0	27°3	17°5	34°7	107	109	76	74	NW	4	W	3	0	2	—	
3	654	586	15°0	27°0	13°0	30°7	086	147	100	100	NW	2	W	2	2	10	—	
4	29°716	29°924	35°0	32°0	21°5	38°0	148	118	72	65	NW	7	SW	4	4	2	—	Rough squally morning.
5	30°000	30°125	35°3	35°3	31°5	38°7	146	146	70	70	NW	5	NW	6	3	0	—	Squalls.
6	268	30°245	22°0	28°5	20°0	35°3	101	142	86	91	NW	3	W	1	4	10	—	a.
7	30°043	29°851	26°3	30°0	22°5	31°7	133	096	94	58	E	2	E	6	4	8	—	a. Stormy p.
8	29°940	30°110	26°5	29°0	25°5	33°7	128	160	90	100	E	2	SE	2	7	3	—	
9	30°243	30°086	32°3	31°0	27°5	33°7	177	174	97	100	E	3	E	4	8	10	—	* n. and ga. * showers during day.
10	29°878	29°722	29°0	28°8	24°5	31°0	118	135	75	86	E	3	NE	5	7	10	—	* n. and all day.
11	721	810	28°3	30°5	25°5	30°5	140	157	91	93	NE	4	NE	3	10	10	—	* 2 n. * during day.
12	931	876	14°3	27°0	12°5	30°7	074	147	90	100	NW	3	E	3	3	10	—	* 2 n. * during day.
13	745	915	34°0	36°0	27°0	39°7	192	193	98	91	SW	2	SW	2	8	7	—	* in past n.
14	704	490	35°3	35°5	34°5	39°7	201	199	97	96	E	3	SW	1	10	10	—	* n. and during day.
15	440	29°765	33°3	31°3	31°3	39°7	184	145	97	82	SW	2	W	2	10	0	—	
16	29°984	30°097	29°0	26°5	24°5	38°7	154	107	96	75	SE	3	W	2	5	0	—	
17	30°232	29°949	17°5	35°0	15°5	35°0	084	164	93	80	E	2	E	4	3	10	—	
18	29°977	29°936	32°0	33°0	31°0	35°0	177	167	97	89	E	3	E	1	10	10	—	* n. and till 5p.
19	30°381	29°744	32°8	22°3	21°5	33°7	137	109	73	92	E	4	E	2	8	0	—	
20	309	125	15°3	31°0	11°0	31°0	078	148	90	85	NE	2	NE	4	0	10	—	Min. on grass 0°0, lowest recorded this
21	136	251	31°0	30°3	29°5	34°3	148	134	85	79	E	4	SE	1	7	10	—	* n. * qp. [winter.
22	303	287	22°0	24°6	21°5	33°0	083	112	71	84	NW	1	SE	1	6	10	—	* qp.
23	256	173	26°2	25°0	21°8	28°0	129	125	91	92	SW	1	Calm	0	10	10	—	* ga. and during day.
24	204	246	17°9	22°0	15°8	25°0	094	090	96	77	SW	1	Calm	0	10	10	—	Lowest max. temp. this winter.
25	271	255	19°2	24°0	12°0	28°0	087	094	84	73	W	1	W	2	5	10	—	
26	224	325	18°5	26°7	16°6	31°0	084	125	84	87	W	1	Calm	0	5	10	—	
27	450	504	21°7	29°2	21°5	36°0	096	127	83	79	WSW	1	W	1	2	0	—	
28	407	292	33°5	36°0	25°7	43°0	146	168	77	79	SW	1	W	3	2	9	—	
29	457	530	32°7	31°6	30°8	36°5	174	161	93	91	SE	2	SE	1	9	10	—	* n. * qp. showers during day.
30	528	475	30°9	32°0	29°5	32°5	162	177	95	97	NE	1	SSE	1	10	10	—	* 0 n. and at qp.
31	30°421	30°346	30°9	25°1	24°1	34°5	173	119	100	88	N	1	Calm	0	10	8	—	
Means	30°077	30°085	26°9	29°2	22°7	34°5	130	138	87°1	84°6	2°5	2°3	6°0	7°1	2°263			



## DOUGLAS, ISLE OF MAN.

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

JANUARY 1879.

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°	33°	32°	47°	ins.	ins.	100	100	NW	1	3	1	ins.	☁ 9p. ☁ 9p.
2	973	904	34°	28°	27°	39°	150	129	74	82	W	1	1	4	—	☁ 9p.
3	942	29°58	35°	36°	28°	37°	168	193	82	91	E	1	9	6	—	☁ 9p.
4	29°763	30°035	38°	36°	30°	41°	166	188	71	88	NNW	4	2	6	0.007	☁ 9.30p. ☁
5	30°083	139	35°	29°	27°	38°	188	130	91	82	Calm	0	10	1	—	☁ a. and p.
6	30°200	30°114	36°	36°	23°	37°	178	199	81	92	E	3	0	10	0.040	☁ 9a. ☁ a.
7	29°951	29°695	36°	30°	30°	36°	181	164	83	96	SE	7	10	10	0.006	☁ all day. ☁ from 5p.
8	29°694	999	31°	33°	30°	34°	170	153	95	80	ESE	7	9	1	—	☁ n. ☁ a. and p.
9	30°086	847	36°	33°	33°	36°	146	163	67	86	ESE	7	9	9	—	☁ a. and p.
10	29°721	614	30°	30°	29°	33°	157	158	91	E	8	1	9	9	—	☁ a.
11	622	828	27°	22°	21°	31°	137	104	92	89	Calm	0	10	1	—	☁ 9a. ☁ a. and p.
12	978	29°800	26°	40°	18°	40°	127	245	89	99	Calm	0	10	10	1.946	☁ a. ☁ 10.30a. ☁ from 11a. ☁ 2 from 9.30 p.
13	860	30°022	44°	42°	38°	47°	268	266	91	98	WSW	2	3	5	4.53	☁ till 4a. ☁ 9.30p.
14	627	29°455	45°	43°	41°	46°	293	287	97	100	S	4	10	10	0.095	☁
15	535	29°854	40°	39°	35°	44°	224	201	88	83	W	3	8	0	0.037	☁
16	29°959	30°106	36°	25°	25°	41°	206	122	95	90	Calm	0	9	0	—	☁ 9a. ☁ a. and p. [from 10p.
17	30°143	29°914	38°	36°	25°	39°	191	196	83	90	ESE	4	8	10	1.000	☁ a. ☁ 9a. and p. ☁ p. ☁ 2
18	29°881	30°218	38°	36°	35°	41°	226	188	98	87	SE	3	10	10	0.024	☁ n. and a. ☁ p.
19	30°300	30°324	35°	33°	32°	41°	150	153	72	80	SE	7-8	7	10	—	☁ a. and p.
20	30°161	29°979	32°	32°	30°	34°	155	157	85	87	E	6	9	10	—	☁ a. and p.
21	29°981	30°105	31°	34°	30°	34°	178	136	99	69	ESE	7	10	10	—	☁ a.
22	30°194	234	32°	29°	29°	34°	174	106	88	67	ENE	2	6	0	—	☁
23	216	156	30°	30°	27°	35°	150	120	87	72	Calm	0	9	1	—	☁
24	134	176	31°	31°	29°	32°	162	156	91	86	ESE	4	9	10	—	☁ during day.
25	215	207	32°	31°	29°	32°	166	131	91	74	E	3	10	4	—	☁
26	231	312	31°	33°	28°	34°	159	151	89	78	SE	1	4	7	—	☁
27	484	519	32°	29°	27°	34°	187	161	100	100	Calm	0	10	0	—	☁ 9a. ☁ p.
28	427	385	36°	34°	28°	40°	202	190	94	94	Calm	0	10	10	—	☁ 8a. ☁ a. and p.
29	335	394	33°	35°	31°	35°	154	153	79	75	E	5-6	10	10	—	☁ a. ☁ p.
30	396	350	33°	32°	32°	35°	165	169	85	91	E	4	10	10	—	☁ a. ☁ p.
31	30°309	30°175	31°	32°	29°	33°	170	182	95	97	ESE	5	10	10	—	☁ p. "This has been, say the old people, the coldest month in the Isle of Man since 1838."
Means	30°025	30°034	34°	33°	29°	37°	178	167	87°	85°	3°	3°	7°	6°	3°	6°

## WAKEFIELD.

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

JANUARY 1879.

1	29°754	29°661	37°	32°	32°	49°	190	133	84	72	W	1	3	10	—	Very rough till 3a. Large U 9p.
2	984	968	28°	33°	27°	37°	139	161	90	86	W	2	0	6	1.120	Air dry and sharp 9a.
3	517	569	28°	24°	19°	33°	154	119	98	92	N	1	10	4	0.020	☁ 9a. and before.
4	29°677	29°958	31°	28°	13°	33°	178	153	98	98	W	3	0	7	—	
5	30°084	30°120	26°	31°	24°	38°	139	153	87	W	1	WNW	2	0	—	
6	272	30°216	25°	28°	19°	35°	127	146	93	95	SW	2	8	10	—	Double U 11.37p.
7	30°121	29°894	33°	27°	26°	33°	167	146	85	98	SE	4	10	10	—	Double U 0.55a.
8	29°786	30°032	29°	27°	27°	34°	163	157	99	98	E	2	6	1	—	Fine and clear, but frosty p.
9	30°167	29°981	33°	29°	24°	34°	174	163	90	99	ENE	2	8	6	—	
10	29°782	597	28°	27°	24°	30°	137	144	87	98	E	2	7	8	—	
11	29°675	29°732	25°	29°	22°	29°	110	157	78	98	NNW	1	10	10	0.040	[appearance 9p.
12	30°027	30°033	25°	34°	24°	34°	111	197	81	99	W	1	0	10	0.190	Air dry and frosty 9a. Threatening
13	29°892	30°081	43°	40°	32°	47°	255	231	92	94	W	1	4	2	—	Rough in past night with showers of
14	849	29°520	40°	43°	35°	46°	244	277	98	99	S	1	10	4	380	Air very sharp and frosty 9p. [☁ ☁
15	485	29°858	40°	37°	37°	45°	227	190	92	84	W	3	4	2	—	Much milder 9a. Sharp and frosty 9p.
16	29°982	30°120	28°	28°	27°	39°	146	111	95	71	NNW	1	10	3	—	☁ before 9a. ☁ 9.45a. - 0.45p.
17	30°260	146	29°	35°	24°	35°	139	173	82	82	Calm	0	10	10	1.140	
18	012	242	33°	34°	33°	35°	184	177	97	87	SE	2	10	10	0.260	Rough and wild in past n. ☁ a. and p.
19	414	433	33°	27°	27°	35°	143	124	75	82	E	1	10	2	—	
20	285	098	27°	30°	16°	30°	129	148	86	88	E	1	10	10	—	☁ before 9a.
21	052	105	30°	32°	28°	32°	153	179	90	98	E	1	10	10	—	
22	175	162	26°	27°	24°	33°	111	137	79	94	NNW	1	0	10	—	
23	206	131	27°	27°	23°	31°	104	107	71	74	N	2	8	5	—	
24	147	178	30°	30°	26°	31°	151	162	90	97	NE	1	10	10	—	
25	209	198	30°	31°	29°	32°	110	125	65	71	NW	1	8	10	—	
26	235	348	30°	31°	28°	34°	140	159	84	88	NNW	1	7	10	—	
27	504	482	28°	32°	28°	33°	151	162	96	89	NE	1	10	10	—	
28	418	317	24°	32°	24°	34°	095	174	74	96	NW	1	9	10	—	
29	391	418	31°	31°	30°	33°	163	161	93	86	E	2	10	10	—	
30	419	385	32°	32°	31°	33°	170	168	91	90	ENE	2	10	10	—	
31	30°309	30°273	31°	32°	29°	33°	154	172	88	94	E	1	10	10	1.140	
Means	30°069	30°073	30°	31°	26°	35°	153	160	87°	89°	1°	1°	7°	7°	1°	300

## KELSTERN.

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

JANUARY 1879.

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°·7	33°·1	31°·9	47°·5	in.	in.	86	80	WSW 3	NNE 1	2	10	ins.	☉ 3p.	
2	29°·735	29°·667	26°·7	28°·0	26°·6	34°·6	°096	°122	68	80	W 2	WSW 1	1	9	·128		
3	°501	29°·547	31°·7	24°·3	24°·3	33°·4	°174	°122	98	95	E 1	N 1	10	1	°058	☼ ✱ a. and p.	
4	29°·663	29°·929	20°·5	27°·2	18°·9	35°·2	°089	°111	83	76	WNW 1	NW 2	8	0	—		
5	30°·083	30°·117	24°·9	27°·2	23°·1	33°·3	°100	°108	75	74	WNW 1	NW 1	0	0	—	☼ 9a. Very fine all day.	
6	°244	30°·240	29°·8	30°·1	24°·9	35°·8	°136	°168	82	100	NW 1	Calm 0	8	10	—	☼ 9p.	
7	30°·185	29°·929	31°·0	26°·2	26°·2	33°·2	°135	°100	77	71	ESE 4	SE 5	7	9	—	☼ p. ☼ 9p.	
8	29°·793	30°·025	30°·0	29°·0	26°·0	31°·4	°120	°136	72	86	ESE 4	E 4	9	3	—		
9	30°·152	30°·008	31°·9	23°·2	23°·2	33°·2	°127	°113	70	92	NE 1	E 1	9	3	°033	☼ 0 ☼ 0 p.	
10	29°·786	29°·638	25°·1	20°·5	19°·4	29°·5	°072	°092	54	85	E 3	E 1	2	4	°022	☼ 0 ☼ 0 p.	
11	°637	29°·724	24°·1	25°·9	20°·5	28°·1	°130	°140	100	100	NW 1	N 1	10	10	°035	☼ 0 all day.	
12	°989	30°·125	24°·4	25°·9	21°·1	31°·6	°117	°122	90	73	NW 1	SSW 3	1	10	°190	☼ 0 3p. ☼ ✱ 9p.	
13	°931	30°·141	36°·0	33°·8	27°·7	38°·1	°212	°194	100	100	SW 4	S 1	10	0	°014	☼ 9a. and p. ☼ 9p.	
14	°924	29°·597	38°·0	41°·4	32°·9	41°·7	°229	°261	100	100	SSE 4	SE 4	10	10	°700	☼ 9a. and p. ☼ 9p.	
15	°527	29°·854	36°·9	33°·0	33°·0	41°·4	°219	°175	100	93	SW 2	WNW 2	10	0	°002		
16	29°·982	30°·104	31°·0	29°·9	29°·2	42°·4	°158	°142	91	85	NNW 1	NW 1	1	0	—	Very fine all day.	
17	30°·225	°215	34°·7	33°·2	29°·5	36°·5	°174	°183	86	97	NNE 1	E 3	8	10	—		
18	°022	°242	33°·3	33°·0	32°·3	33°·9	°170	°169	89	90	SE 5	ESE 3	10	10	°040	☼ 9a. ✱ 3p.	
19	°411	°446	32°·0	30°·5	29°·3	33°·5	°125	°159	69	95	E 2	E 1	9	1	—		
20	°321	°129	28°·8	28°·5	28°·0	30°·5	°121	°152	78	98	ESE 3	ESE 3	9	10	—		
21	°053	°090	28°·3	29°·2	28°·2	29°·9	°140	°113	91	71	E 2	E 3	9	10	°028	☼ a. and p.	
22	°143	°151	30°·9	27°·0	26°·0	33°·2	°142	°089	81	61	E 1	NE 1	7	1	°004		
23	°151	°117	29°·9	29°·3	26°·0	31°·3	°113	°099	68	62	E 2	E 3	9	10	°002	☼ 0 p.	
24	°126	°168	28°·9	29°·1	28°·7	30°·4	°093	°097	59	61	ENE 1	E 3	10	10	—		
25	°180	°194	29°·6	31°·1	28°·1	31°·6	°098	°154	61	89	E 3	Calm 0	8	10	—		
26	°234	°355	31°·8	32°·0	30°·3	33°·3	°142	°139	78	76	N 1	NE 1	1	9	10	—	
27	°474	°509	32°·0	32°·0	31°·0	34°·9	°160	°172	88	95	N 1	NNW 1	10	10	°002		
28	°424	°313	31°·7	30°·8	30°·7	33°·5	°170	°162	96	94	NNE 1	NE 1	10	10	—	☼ 0 ☼ 0 a. ☼ 9p.	
29	°374	°306	30°·9	31°·3	28°·9	32°·4	°152	°169	88	96	NE 1	NE 2	10	10	°035	☼ p.	
30	°406	°406	31°·0	29°·0	28°·4	31°·5	°129	°134	73	84	E 2	ESE 2	10	10	—		
31	30°·360	30°·273	30°·3	29°·9	28°·7	32°·0	°134	°139	79	84	ENE 1	ESE 1	10	10	—		
Means	30°·064	30°·086	30°·4	29°·6	27°·2	34°·1	°141	°142	81°·6	85°·3	2°·0	1°·8	7°·6	6°·8	1°·293		



## BUXTON.

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

JANUARY 1879.

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.	35.1	30.3	29.5	45.4	ins.	ins.	100	100	NW 3	NE 3	6	10	ins.	
2	29.772	29.074	35.1	30.3	29.5	45.4	1.188	1.124	92	73	NW 3	NE 3	6	10	2.00	
3	30.016	30.103	24.7	27.7	23.5	36.4	1.101	1.129	78	86	NE 2	NE 2	0	8	2.00	
4	29.533	29.638	27.9	19.7	19.1	31.9	1.134	1.075	88	72	S 3	N 1	10	0	0.50	* ga. and before.
5	29.766	30.072	32.1	27.9	19.7	32.8	1.166	1.124	91	82	NW 2	NW 3	0	0	0	
6	30.088	31.55	31.4	26.9	25.0	34.3	1.167	1.117	95	81	NW 1	NW 1	5	0	0	
7	29.779	30.226	14.8	29.4	11.8	30.4	1.061	1.151	74	93	Calm	Calm	0	10	10	∞ ga. and 9p.
8	30.089	29.899	30.4	23.9	22.2	30.4	1.158	1.113	94	90	SE 5	SE 4	10	10	10	
9	29.771	30.021	25.3	29.2	23.0	29.5	1.105	1.136	78	84	E 4	SE 3	10	4	0	9p.
10	30.139	29.968	29.2	26.9	24.0	30.0	1.136	1.117	84	81	SE 2	SE 3	6	8	0	9p.
11	29.745	29.669	25.9	20.9	19.4	28.0	1.110	1.081	78	73	SE 2	SE 1	2	2	0	
12	29.692	29.800	22.9	25.9	10.0	26.0	1.091	1.110	75	78	Calm	SW 2	10	6	0	
13	30.071	30.059	26.9	30.9	19.4	31.0	1.090	1.150	63	87	NW 1	NW 3	10	10	5.50	* 0 ga.
14	29.974	30.480	41.7	41.7	29.9	44.1	1.151	1.222	86	85	W 1	NW 1	3	6	0.40	
15	29.54	29.568	38.7	43.7	35.2	44.1	1.202	1.245	86	85	SW 2	SW 1	10	10	7.90	ga. and 9p.
16	29.860	29.860	37.4	33.7	30.8	43.9	1.196	1.142	88	73	NW 2	NE 1	3	0	0	
17	29.985	30.161	22.4	23.9	22.4	38.0	1.098	1.096	84	76	Calm	SE 1	6	0	0	ga.
18	30.260	31.73	27.1	31.1	17.7	34.2	1.113	1.148	77	84	N 1	S 2	6	6	0	ga. and 9p.
19	29.987	30.219	30.9	30.9	30.1	32.0	1.150	1.155	87	90	SE 1	SE 1	10	10	7.40	* a. and p.
20	30.390	31.410	23.7	23.7	23.0	33.8	1.102	1.102	81	81	SE 1	SE 3	10	0	0	
21	29.80	29.94	23.7	24.9	22.4	26.0	1.102	1.081	81	61	SE 1	E 2	10	10	0	
22	29.85	29.77	23.9	24.9	23.8	27.0	1.096	1.103	76	77	SE 2	E 2	10	10	0.10	* 0 ga. * p.
23	29.85	29.80	25.9	21.9	19.9	30.0	1.110	1.092	78	80	SE 1	E 1	10	0	0	* ga.
24	29.71	29.82	22.9	26.7	15.2	27.8	1.091	1.098	75	70	E 1	E 1	8	10	0	
25	29.72	29.76	26.7	24.0	24.0	30.0	1.115	1.115	81	78	E 2	Calm	0	6	0	9p.
26	29.99	29.74	26.7	27.1	26.3	29.4	1.115	1.121	81	83	E 1	E 1	6	10	0	ga.
27	29.61	29.70	27.7	27.9	25.8	30.0	1.107	1.124	72	82	E 1	E 1	8	10	0	p.
28	29.494	29.529	28.9	29.4	22.7	32.0	1.133	1.137	84	85	E 1	E 1	10	10	0	
29	29.456	29.325	28.9	29.7	28.0	32.2	1.133	1.120	84	73	E 1	E 1	10	10	0	
30	29.378	29.372	27.4	27.9	27.0	32.0	1.136	1.124	92	82	NE 2	NE 2	10	10	0	
31	29.399	29.385	28.4	26.2	25.6	30.0	1.143	1.118	93	84	NE 2	NE 2	10	10	0.50	before ga. * ga.
Means	30.073	30.095	27.9	28.0	23.3	32.7	1.126	1.125	82.4	80.4	1.6	1.7	7.6	6.8	2.430	

## HILLINGTON, NORFOLK.

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

JANUARY 1879.

1	29.767	29.624	39.9	34.0	32.9	49.7	2.206	1.187	84	96	W 2	NW 1	4	10	0.35	* 8p.—11p.
2	29.926	30.053	30.0	27.9	27.2	35.3	1.112	1.143	67	94	NW 1	SW 1	3	8	1.360	U 6p.
3	29.458	29.521	32.6	32.5	25.5	35.1	1.185	1.182	100	99	E 2	NW 0.5	10	10	1.120	* 4.30a.—10.30a. and p.
4	29.666	29.897	23.3	31.7	20.0	35.6	1.121	1.136	97	76	SSW 0.5	NW 4	9	0	0	Very sharp frost. Red sunrise.
5	30.086	30.107	23.5	29.6	22.1	33.7	1.104	1.150	84	92	WNW 0.5	WNW 0.2	0	9	0	Very fine and sunny.
6	29.727	30.220	29.8	28.5	21.8	32.4	1.151	1.154	91	98	WNW 1	WNW 0.2	9	10	0	
7	30.174	29.927	31.5	27.2	26.2	34.1	1.138	1.106	78	66	SE 4	ESE 4	5	10	0	Very fine and sunny. Cold wind.
8	29.764	29.961	30.2	29.0	26.1	33.4	1.134	1.111	80	67	ESE 5	ESE 6	9	0	0	9p.
9	30.115	29.773	32.3	20.4	20.4	33.7	1.119	1.106	66	97	SE 1	SE 0.5	10	1	0.10	* 2.30p. and 6p.
10	29.754	29.602	27.0	24.0	17.8	29.3	1.117	1.117	81	92	SE 0.5	ESE 0.5	9	10	0.10	* 0 9.30a.—0.30p.
11	29.74	29.715	24.9	9.9	7.0	29.2	1.113	1.060	85	88	NE 0.2	NE 0.5	10	9	0.020	* 0 7a. * 8.30a.—4.30p. 9p.
12	29.992	30.152	19.0	26.7	8.2	29.0	1.095	1.118	93	83	SW 0.2	SW 2	4	10	1.158	* 1 before ga. 8p.
13	29.986	30.161	37.3	33.2	26.1	40.3	1.217	1.183	97	97	SW 2	SSE 1	10	10	0.113	* 2 early a. 9p. Thaw.
14	29.984	29.630	39.9	43.1	32.5	48.3	1.244	1.276	99	99	SE 2	S 4	10	0	3.96	before ga. Very damp. 2 noon—8p.
15	29.505	29.853	37.9	36.2	35.4	43.4	1.232	1.182	97	86	SE 2	NE 4	10	0	0	
16	29.960	30.079	28.0	32.0	25.6	39.2	1.120	1.176	78	97	NE 0.5	N 0.3	1	0	0	ga.
17	30.161	31.213	32.2	33.6	27.5	35.1	1.175	1.178	97	92	ESE 0.5	ESE 2	9	10	0	ga. Slow thaw.
18	29.020	29.192	35.6	34.3	33.0	35.9	1.174	1.172	84	86	SE 3	ESE 4	10	10	0.017	
19	29.391	29.410	33.0	32.8	31.8	34.5	1.143	1.162	76	88	ENE 2	SE 1	10	10	0	Spitting *.
20	29.394	29.093	30.2	29.5	28.8	33.1	1.124	1.123	74	76	SE 3	SE 4	10	10	0	
21	29.020	29.034	29.9	30.1	28.1	30.3	1.105	1.102	63	61	SE 4	E 5	10	10	0.005	* 0 p.
22	29.090	29.087	30.0	28.2	25.6	35.1	1.096	1.101	58	67	E 1	NE 1	1	1	0	* 1.30p. and 4p.
23	29.074	29.066	31.0	30.9	26.3	33.3	1.094	1.103	54	62	NE 4	NE 2	2	9	0.002	* shower a. at night.
24	29.078	29.104	30.3	31.1	28.0	32.0	1.096	1.103	57	59	E 3	SE 4	10	10	0	
25	29.125	29.125	31.8	31.9	27.2	33.0	1.133	1.175	74	97	SE 1	E 1	10	10	0.007	* 0 4p.—5p.
26	29.207	29.312	33.4	33.2	31.6	36.3	1.181	1.164	95	87	NE 0.5	NE 1	10	10	0	* 0 early a.
27	29.438	29.471	33.8	32.2	32.3	34.9	1.160	1.160	82	85	ENE 1	NE 0.5	10	10	0	* 0 early a.
28	29.385	29.282	32.3	31.5	31.1	34.3	1.170	1.146	93	83	NE 0.5	NE 1	10	10	0	* 0 9.15a.
29	29.326	29.352	32.7	32.8	29.2	34.5	1.166	1.161	90	87	ENE 1	NE 1	10	10	0	
30	29.363	29.364	32.2	30.0	29.5	33.1	1.171	1.122	94	73	E 2	ENE 3	10	10	0	
31	29.321	29.251	30.4	30.4	29.0	33.8	1.146	1.136	87	80	SE 0.5	SE 1	10	10	0	
Means	30.042	30.059	31.2	30.3	26.3	35.2	1.146	1.145	82.4	84.2	1.7	2.0	8.1	8.0	1.153	

## UPPINGHAM.

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

JANUARY 1879.

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° 5'	30° 9'	30° 8'	48° 1'	in.	in.	87%	97%	WbyN2	ENE 2	9	10	ins.	[1 inch deep at 9p.
2	29° 780	29° 620	38° 5'	30° 9'	30° 8'	48° 1'	1.168	1.201	87	97	WbyN2	ENE 2	9	10	0.097	* began very small and fine at 7p.
3	29° 987	30° 056	25° 5'	24° 8'	24° 6'	33° 0'	1.116	1.097	84	73	NbyW2	SW 2	1	10	0.364	[* 0, wind NE., 5p.—6p. 10°
4	29° 437	29° 551	32° 0'	29° 8'	24° 8'	33° 7'	1.177	1.144	97	86	ESE 1	NW 1	10	10	0.057	* ga. and before. 9a.—noon
5	29° 690	29° 970	28° 1'	28° 0'	21° 4'	36° 5'	1.144	1.137	93	89	NNW 2	NWbyN2	2	0	—	* showers.
6	30° 108	30° 134	26° 2'	25° 7'	23° 9'	33° 9'	1.136	1.119	96	86	WNW 2	NW 2	0	0	—	0 a. Ground 9a.—noon—10p.
7	29° 242	30° 231	28° 4'	27° 2'	22° 0'	34° 1'	1.147	1.142	95	96	NNW 2	Calm	0	10	10	0 a. 9a. and 9p.
8	30° 126	29° 873	30° 9'	24° 7'	24° 6'	31° 9'	1.166	1.105	97	79	ESE 2	ESE 3	10	10	—	0 a. Wind rising, temp. falling.
9	29° 699	29° 946	26° 0'	25° 3'	24° 7'	31° 2'	1.137	1.119	94	87	E by S 4	E by N 4	10	7	—	Red dawn.
10	30° 097	29° 985	29° 8'	22° 0'	22° 0'	34° 8'	1.134	1.110	80	94	NE 1	E by S 1	10	3	0.010	* 0 showers p. at n.
11	29° 756	29° 621	24° 1'	19° 5'	19° 5'	32° 2'	1.118	1.06	92	100	E by N 1	E 1	10	10	—	* showers all day. 9p.—Midt.
12	29° 623	29° 742	21° 6'	22° 5'	17° 7'	29° 7'	1.102	1.110	88	92	NbyW 1	NNW 2	10	1	—	0 a. * 0 showers p.
13	30° 013	30° 139	19° 7'	29° 8'	19° 1'	30° 1'	1.103	1.152	97	92	NW 2	S.Wb.S 3	0	10	0.094	* 0 p. Rough night, from SW.
14	29° 907	30° 150	38° 0'	35° 9'	29° 8'	41° 7'	1.222	2.007	97	98	WSW 3	Calm	0	10	1	[force 7
15	29° 931	29° 609	38° 9'	43° 2'	32° 8'	44° 8'	1.235	2.272	99	98	S 1	S by W 3	10	10	4.02	all day. Thaw. [force 7
16	29° 565	29° 955	36° 2'	33° 3'	33° 0'	43° 5'	1.201	1.64	94	86	S by W 3	WSW 2	4	0	—	4a. 9a. of varying density all day.
17	29° 959	30° 094	31° 1'	32° 1'	28° 8'	37° 0'	1.147	1.56	84	86	NNW 1	Calm	0	4	0	9p., but 5 feet above ground
18	30° 224	29° 194	32° 2'	32° 5'	28° 3'	36° 3'	1.155	1.70	85	91	NE 1	SSE 2	10	10	0.093	[not frozen.
19	29° 994	29° 182	32° 0'	31° 8'	31° 6'	33° 8'	1.177	1.76	97	98	SE 3	Neb.E2	10	10	0.365	* all day, except from 1.30p.—2.30p.
20	30° 374	29° 418	26° 2'	28° 3'	25° 5'	33° 3'	1.116	1.40	82	90	E 1	Calm	0	10	—	[when 0 fell.
21	29° 293	29° 088	27° 5'	27° 0'	20° 7'	30° 7'	1.128	1.40	85	95	SE 3	SE 2	10	10	—	
22	29° 009	29° 040	27° 0'	27° 2'	26° 2'	33° 0'	1.123	1.39	85	94	E by N 2	ESE 2	2	10	10	—
23	29° 103	29° 123	23° 9'	20° 3'	20° 3'	35° 5'	1.094	1.01	74	91	E by N 2	NNE 2	9	0	—	* 0 a. and p.
24	29° 086	29° 083	28° 9'	27° 9'	20° 3'	33° 2'	1.103	1.24	65	82	Neb.E2	ESE 2	9	10	—	* 0 2p
25	29° 095	29° 120	27° 9'	27° 3'	26° 5'	32° 0'	1.093	1.12	60	76	E by N 2	ENE 2	2	10	10	—
26	29° 134	29° 153	28° 8'	30° 4'	22° 0'	34° 0'	1.132	1.62	84	95	NE 2	NNE 1	10	10	0.010	* 0 a. a.m. obs. taken at 9.26.
27	29° 216	29° 323	30° 8'	31° 1'	29° 4'	36° 7'	1.155	1.55	89	88	Neb.N 1	Neb.N 1	10	10	—	Dull and gloomy all day.
28	29° 446	29° 492	31° 8'	31° 3'	30° 9'	36° 5'	1.178	1.57	99	89	NNE 1	NE 1	10	10	—	* 0 from 3p.
29	29° 407	29° 303	31° 1'	29° 9'	29° 9'	34° 3'	1.175	1.61	100	97	Calm	NE 1	10	10	—	9a. * 0 5p.—6p.
30	29° 330	29° 347	30° 0'	30° 6'	27° 3'	33° 8'	1.130	1.58	77	92	Neb.E2	ESE 1	10	10	—	* 0 9a.
31	29° 360	29° 370	30° 1'	27° 5'	27° 5'	31° 8'	1.151	1.32	91	88	E 1	ENE 1	10	10	—	all day with * 0 showers.
32	30° 348	30° 256	28° 7'	29° 2'	27° 1'	34° 5'	1.111	1.47	71	92	ESE 1	E by S 1	10	10	—	9a. * 0 p.
Means	30° 045	30° 070	29° 4'	28° 6'	25° 6'	35° 0'	1.145	1.45	87° 7'	90° 2'	1° 7'	1° 6'	8° 0'	7° 5'	1° 492	8a.



## CHURCHSTOKE.

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

JANUARY 1879.

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.	35°	30°	30°	49°	191	160	91	95	SW 2	E 3	4	10	ins. 123
2	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
3	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
4	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
5	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
6	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
7	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
8	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
9	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
10	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
11	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
12	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
13	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
14	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
15	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
16	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
17	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
18	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
19	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
20	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
21	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
22	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
23	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
24	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
25	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
26	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
27	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
28	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
29	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
30	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
31	29°834	29°666	35°9	30°2	30°2	49°1	191	160	91	95	SW 2	E 3	4	10	ins. 123
Means	30°068	30°079	28°3	29°5	24°4	33°8	132	143	81.4	85.6	2.5	2.6	7.2	8.0	1.478

## AUDLEY END.

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

JANUARY 1879.

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	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
2	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
3	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
4	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
5	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
6	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
7	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
8	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
9	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
10	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
11	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
12	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
13	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
14	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
15	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
16	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
17	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
18	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
19	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
20	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
21	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
22	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
23	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
24	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
25	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
26	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
27	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
28	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
29	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
30	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
31	29°807	29°567	44°8	33°8	32°2	51°4	252	186	85	100	NW 2	NW 2	8	10	800
Means	30°032	30°050	30°7	30°0	25°8	34°8	148	148	84.1	87.1	1.6	1.7	8.0	6.9	2.140

## CHELTENHAM.

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

JANUARY 1879.

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°	34°	33°	50°	in.	in.	%	%	S	1	NW	9	8	10	ins. 940	* <sup>9p.</sup> <sup>2</sup> at night. * <sup>a.</sup> A bright calm day. [at night.
2	29°825	29°517	30°	34°	33°	50°	220	185	93	91	SE	1	W	2	4	4	320	
3	30°080	30°065	23°8	21°5	34°9		124	164	97	98	NW	2	N	1	10	10	—	all day. * <sup>p</sup>
4	29°422	29°579	35°2	33°5	29°6	37°3	201	192	98	100	W	1	NW	6	8	—	—	Fine and bright.
5	29°775	30°060	27°9	33°0	24°5	37°8	149	167	98	89	W	1	NW	6	8	—	—	Fine and bright.
6	30°144	171	27°5	21°3	21°2	36°0	147	111	98	98	SE	1	W	1	2	1	—	—
7	279	30°315	22°0	31°3	18°8	31°3	118	171	100	97	SE	1	SE	3	10	10	010	all day.
8	30°031	29°790	33°4	27°6	26°2	34°3	188	148	99	98	E	4	E	6	8	10	030	a. Cold and dull.
9	29°571	817	27°8	28°2	26°2	34°9	149	151	98	98	NE	7	NE	8	2	1	—	Squally all day, but fine.
10	30°114	941	31°0	27°3	22°6	33°9	160	146	97	98	NE	2	NE	2	3	0	—	Squally a. Very fine day.
11	29°677	595	25°4	20°0	18°7	27°7	134	100	97	93	NE	4	E	1	8	0	010	Squally a. Very fine day. * <sup>p</sup> .
12	29°633	29°803	23°0	25°7	15°9	26°8	119	136	97	97	NE	2	NE	1	9	10	010	Very fine. * <sup>op</sup> .
13	30°109	30°127	20°3	34°2	12°8	34°9	105	193	97	98	SE	1	S	3	4	10	090	Very fine. * <sup>9p.</sup> <sup>2</sup> at night.
14	30°028	30°156	45°3	39°9	18°8	48°4	298	234	99	95	W	2	SW	1	8	3	030	p.
15	29°846	29°886	44°3	46°1	38°2	48°5	282	298	97	96	S	3	SW	2	10	10	450	all day.
16	627	29°060	46°0	30°0	30°0	46°4	280	140	91	83	W	2	SW	1	10	0	020	Bright afternoon.
17	29°001	30°114	38°0	29°0	26°3	39°4	170	151	74	95	E	2	Calm	0	10	0	—	Very fine day.
18	30°236	095	25°6	35°5	24°7	35°5	139	178	100	86	SE	1	E	4	10	8	320	ga. and before. <sup>2</sup> at night.
19	29°912	119	35°3	34°2	34°0	36°2	196	179	95	90	SE	2	E	1	10	10	280	<sup>2</sup> early a. <sup>2</sup> p.
20	30°353	362	32°7	28°8	28°5	35°0	160	121	87	78	E	1	E	1	7	0	—	Very bright day. Cold wind.
21	30°237	017	29°2	28°4	28°0	30°3	155	152	97	98	SE	2	SE	2	9	10	—	Fine but cold.
22	29°939	016	29°2	29°2	26°7	29°6	158	158	99	99	E	2	NE	2	9	10	—	—
23	30°082	114	29°8	24°0	24°0	32°2	160	125	96	97	N	1	E	1	3	0	—	A beautiful day.
24	089	049	24°1	29°8	21°0	32°4	125	162	97	98	E	1	E	3	3	10	—	Very fine and bright.
25	058	105	29°5	29°7	28°5	31°8	157	162	97	98	E	3	E	4	8	10	—	—
26	120	151	29°5	31°4	28°2	31°5	160	174	99	99	NW	3	NE	1	10	10	—	—
27	206	326	32°5	32°6	30°5	35°0	183	170	99	92	NE	1	NE	1	10	10	—	* <sup>ga.</sup> and before.
28	436	484	33°5	33°0	30°4	35°0	171	158	90	85	NE	1	E	1	10	10	—	—
29	399	285	32°3	32°5	31°4	33°1	168	176	92	96	N	1	E	1	10	10	—	—
30	295	297	29°7	32°8	28°7	33°5	165	184	100	99	NE	1	SE	2	10	10	—	—
31	341	338	32°0	31°2	30°8	32°8	181	172	100	98	E	1	E	1	10	10	—	—
31	30°332	30°222	28°8	30°4	28°8	31°2	158	167	100	99	SE	1	SE	2	10	10	010	—
Means	30°036	30°048	31°1	30°8	26°1	35°4	171	165	96°1	94°7	1°9		2°2	7°8	6°9	2°510		



## MARLBOROUGH.

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

JANUARY 1879.

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°	33°	33°	49°	in.	in.	87	100	W 1	E 5	9	10	ins.	* Δ
2	30°101	30°069	44°	33°	24°	38°	1°18	1°56	93	94	Calm	0	1	10	2°180	* Δ
3	29°422	29°590	40°	32°	30°	43°	2°49	1°79	99	98	Calm	0	10	10		* Δ
4	29°795	30°057	25°	32°	25°	38°	1°40	1°60	100	88	Calm	0	10	10		* Δ
5	30°193	30°187	24°	20°	20°	43°	1°34	1°12	100	100	Calm	0	1	0	3°300	* Δ
6	30°313	30°239	19°	29°	17°	31°	1°06	1°48	100	91	Calm	0	10	10		* Δ
7	30°069	29°785	30°	26°	26°	35°	1°16	1°42	98	100	E 2	E 2	10	10		* Δ
8	29°570	29°825	26°	26°	24°	31°	1°27	1°09	91	71	E 2	NE 5	9	10		* Δ
9	30°078	29°944	27°	23°	22°	32°	1°00	1°09	67	74	NE 2	NE 1	9	0		* Δ
10	29°714	29°611	23°	17°	17°	25°	0°81	0°84	66	90	E 1	Calm	10	0		* Δ
11	29°607	29°806	21°	18°	16°	25°	0°90	0°95	90	100	N 1	Calm	10	0		* Δ
12	30°112	30°170	16°	33°	14°	34°	0°93	1°63	100	86	Calm	0	1	10	1°140	* Δ
13	30°074	30°196	41°	39°	33°	45°	2°59	2°34	98	96	SW 1	Calm	10	10	0°44	* Δ
14	29°038	29°617	42°	45°	38°	47°	2°74	3°01	99	98	S 1	SW 1	10	10	7°33	* Δ
15	29°691	29°990	39°	32°	32°	46°	2°19	1°76	90	97	S 2	Calm	10	10		* Δ
16	29°916	30°096	31°	31°	28°	38°	1°59	1°58	90	90	E 1	Calm	10	0		* Δ
17	30°258	30°153	27°	34°	25°	35°	1°51	1°86	100	94	Calm	0	1	10	4°20	* Δ
18	29°934	29°734	36°	32°	32°	40°	2°08	1°84	96	99	E 1	Calm	10	10	1°30	* Δ
19	30°331	30°378	32°	29°	29°	34°	1°74	1°50	96	93	NE 1	E 1	10	10		* Δ
20	30°254	30°019	28°	27°	27°	31°	1°28	1°36	83	90	E 1	E 1	10	1		* Δ
21	29°930	29°975	26°	27°	25°	29°	1°24	1°26	89	84	E 2	NE 1	9	10		* Δ
22	30°038	30°080	26°	23°	23°	30°	0°87	1°16	62	92	NE 2	NE 1	9	0		* Δ
23	30°048	30°024	25°	27°	27°	29°	0°77	1°04	57	72	NE 1	NE 1	8	10		* Δ
24	30°030	30°073	28°	27°	27°	30°	0°85	0°95	66	63	NE 1	NE 1	10	10		* Δ
25	30°096	30°135	28°	30°	27°	31°	1°17	1°52	77	90	NE 1	E 1	10	10		* Δ
26	30°195	30°296	31°	31°	30°	35°	1°63	1°68	93	94	E 1	NE 1	10	10		* Δ
27	30°401	30°462	32°	31°	31°	33°	1°74	1°56	96	87	NE 2	NE 1	10	10	0°30	* Δ
28	30°391	30°281	30°	30°	30°	32°	1°52	1°37	88	82	NE 1	NE 1	10	10		* Δ
29	30°275	30°289	28°	31°	28°	33°	1°53	1°60	97	91	NE 1	NE 1	10	10		* Δ
30	30°319	30°321	30°	30°	30°	32°	1°45	1°50	84	88	NE 1	NE 1	10	10		* Δ
31	30°320	30°221	28°	28°	28°	32°	1°16	1°06	75	67	E 1	NE 1	10	10	0°40	* Δ
Means	30°041	30°048	29°	29°	26°	35°	1°10	1°49	87°	88°	1°	1°	8°	7°	4°017	

## STRATHFIELD TURGISS.

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

JANUARY 1879.

1	29°851	29°525	46°	35°	35°	50°	2°28	1°99	91	96	SW 2	NE 2-3	10	10	1°399	* Δ
2	30°039	30°027	27°	27°	25°	36°	1°21	1°31	81	83	N 0-1	SW 1	10	10	0°661	* Δ
3	29°370	29°573	47°	33°	25°	47°	1°21	1°86	96	96	W 2	Calm	10	10	0°056	* Δ
4	29°749	30°030	30°	32°	28°	39°	1°46	1°53	87	82	N 0-1	NW 1-2	0	1		* Δ
5	30°158	30°171	30°	24°	23°	42°	1°55	1°11	93	85	NW 1	Calm	0	0		* Δ
6	30°289	30°249	24°	28°	18°	32°	1°07	1°40	84	91	Calm	0	10	10	0°023	* Δ
7	30°092	29°788	32°	27°	27°	35°	1°54	1°32	84	88	Calm	0	10	10		* Δ
8	29°570	29°819	29°	28°	26°	32°	1°30	1°05	82	67	SE 2-3	SE 2	7	10		* Δ
9	30°050	30°032	31°	24°	23°	32°	1°31	1°00	75	78	E 1-2	SE 1	6	0		* Δ
10	29°710	29°579	24°	18°	18°	24°	0°72	0°71	57	74	SE 2	SE 1	8	10		* Δ
11	29°605	29°771	25°	19°	15°	15°	0°94	0°94	70	90	NE 1	N 1	9	10		* Δ
12	30°111	30°196	22°	34°	15°	36°	1°06	1°79	56	89	NE 0-1	SE 2	0	10	0°064	* Δ
13	30°094	30°204	43°	36°	33°	45°	2°25	2°07	96	96	SW 1	W 1	10	10	0°040	* Δ
14	29°971	29°585	43°	45°	33°	45°	2°70	2°05	98	98	SE 2	S 2	10	10	0°653	* Δ
15	30°704	30°994	39°	33°	32°	47°	2°16	1°47	88	78	W 2-3	NW 1	10	0		* Δ
16	29°929	30°033	33°	33°	24°	40°	1°46	1°53	75	81	E 1	NE 1	10	10		* Δ
17	30°258	30°182	31°	33°	25°	34°	1°61	1°88	93	97	Calm	0	10	10	1°343	* Δ
18	30°954	30°958	35°	33°	33°	38°	1°203	1°86	98	96	SE 0-1	Calm	0	10	1°190	* Δ
19	30°336	30°372	33°	27°	27°	36°	1°07	0°92	80	63	NE 0-1	NE 1	10	5		* Δ
20	30°245	30°054	29°	28°	25°	30°	1°08	1°21	69	79	SE 2	NE 2	8	8		* Δ
21	29°943	29°956	27°	29°	23°	30°	1°21	1°24	81	77	NE 1	NE 1	10	10		* Δ
22	30°016	30°049	29°	26°	25°	31°	1°05	0°83	66	59	E 1	E 1	6	0		* Δ
23	30°023	30°017	28°	28°	23°	31°	1°27	1°22	83	80	NE 2	NE 1	7	10		* Δ
24	30°026	30°038	30°	30°	28°	31°	1°15	1°18	68	70	E 1	E 1	9	10		* Δ
25	30°068	30°105	30°	31°	27°	31°	1°16	1°30	60	75	NE 2	NE 1-2	10	10		* Δ
26	30°186	30°284	32°	33°	30°	36°	1°39	1°49	70	77	NE 0-1	NE 1	10	10		* Δ
27	30°395	30°441	33°	32°	32°	34°	1°80	1°44	93	77	NE 1	NE 2	10	10		* Δ
28	30°383	30°422	31°	31°	30°	35°	1°24	1°36	69	76	NE 2	NE 2	10	10		* Δ
29	30°274	30°287	30°	32°	29°	33°	1°05	1°21	61	67	NE 2-3	NE 2-3	10	10		* Δ
30	30°307	30°319	32°	31°	29°	33°	1°29	1°23	71	70	E 2	NE 2	10	10		* Δ
31	30°323	30°229	30°	30°	29°	31°	1°24	1°36	74	78	SE 2	SE 1	10	10		* Δ
Means	30°033	30°040	32°	30°	26°	35°	1°52	1°41	79°	81°	1°	1°	8°	7°	3°429	

## RAMSGATE.

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

JANUARY 1879.

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°	42°	41°	50°	in.	in.	%	%	SW 4	NW 4	10	10	ins.	Squally a.
2	29°857	29°512	35°	32°	29°	42°	292	262	87	97	NW 3	W 2	8	5	1°050	☐ ☐ together 5p.-9p.
3	29°936	30°159	35°	32°	29°	42°	292	262	87	97	NW 3	W 2	8	5	3°10	Sudden 2 during the day.
4	29°384	29°558	43°	36°	29°	49°	281	210	100	98	SW 6	Calm	0	10	0°50	☐. Δ p.
5	29°686	29°949	31°	36°	30°	37°	175	181	97	86	W 1	NW 4	5	4	—	☐. Δ p.
6	30°145	30°175	32°	30°	29°	38°	157	151	86	89	W 3	W 1	0	3	—	☐.
7	29°244	30°264	28°	32°	25°	35°	146	175	92	94	W 3	Calm	0	3	—	☐.
8	30°154	29°905	34°	29°	27°	38°	172	108	87	68	N 4	E 6	10	10	—	Squally all day.
9	29°637	29°853	31°	31°	27°	33°	129	117	72	67	E 6	NE 7	8	1	—	Squally 2 all day. Cold.
10	30°048	29°936	34°	29°	29°	36°	155	151	78	43	NE 6	NE 4	8	6	—	Δ 0 before 6a. Wind abated after 8a. [but continued squally.]
11	29°729	29°617	25°	26°	24°	30°	104	103	63	60	NE 1	NE 1	8	10	—	* during day. Squally a.
12	29°587	29°735	26°	28°	24°	30°	100	155	71	99	NE 1	Calm	0	9	10	* during day. ☐
13	30°045	30°293	24°	28°	21°	34°	125	128	97	82	W 4	W 1	5	1	0°020	☐ 9p. ☐
14	30°152	30°243	38°	38°	27°	42°	232	233	99	100	SW 6	Calm	0	10	4	0°025
15	30°097	29°774	39°	42°	37°	42°	245	267	100	100	S 4	SW 8	10	10	2°70	☐ 9p. Squally a.
16	29°687	29°994	40°	36°	35°	46°	229	199	90	94	SW 4	Calm	0	4	0	0°050
17	29°975	30°088	34°	36°	29°	42°	176	208	88	97	Calm	N 1	0	5	0°080	Sudden 2 during the night.
18	30°245	29°257	32°	31°	27°	37°	182	206	100	92	N 2	Calm	0	10	9	☐ greater part of day.
19	29°057	29°155	34°	35°	32°	38°	174	183	88	89	E 5	NE 5	10	10	3°05	* p. Squally
20	29°350	29°409	34°	34°	33°	36°	173	160	82	80	E 4	NE 2	10	10	0	☐.
21	30°305	30°133	29°	30°	28°	35°	145	142	88	84	E 2	E 2	10	10	—	☐.
22	30°078	29°985	29°	30°	25°	31°	128	122	81	73	NE 2	NE 5	10	10	—	☐.
23	30°097	30°081	30°	31°	28°	32°	143	110	85	62	NE 6	NE 6	7	6	—	Squally all day.
24	29°960	29°998	29°	31°	27°	32°	109	158	69	91	NE 6	NE 6	10	10	—	Squally all day.
25	30°001	30°041	31°	31°	29°	32°	136	106	77	93	NE 6	NE 4	10	10	—	Δ p. Squally
26	29°051	29°074	32°	35°	30°	35°	180	190	99	93	NE 2	NE 2	10	10	—	Δ a. and p.
27	29°175	29°303	35°	36°	33°	37°	196	206	96	96	NE 2	NE 1	10	10	—	☐.
28	29°396	29°454	35°	36°	34°	37°	186	174	91	82	NE 4	NE 2	10	10	—	☐ a. and p.
29	29°362	29°73	34°	32°	30°	38°	154	131	77	72	NE 2	Calm	0	10	—	Δ 0 showers p.
30	29°273	29°311	34°	33°	31°	34°	171	145	86	76	NE 3	NE 4	10	10	—	Δ 0 showers p.
31	30°316	30°330	32°	32°	31°	34°	174	170	94	92	NE 1	NE 2	10	10	—	Δ 0 showers p.
32	30°320	30°252	31°	30°	29°	33°	171	124	99	74	NE 2	NE 3	10	10	—	Δ 0 showers p.
Means	30°037	30°066	33°	33°	30°	37°	170	164	87	83	3°4	2°7	8°2	7°5	2°220	



## HASTINGS.

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

JANUARY 1879.

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.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	Scotch $\frac{1}{2}$ p.
2	29.850	29.454	48.0	45.5	44.9	50.0	31.2	29.5	94	97	SW 5-6	NE-NW 0-1	10	10	1.690	Very fine.
3	29.874	29.130	33.9	37.5	31.3	46.5	155	164	80	73	NW 1	SW-SSW 1	9	10	1.720	Very fine.
4	29.883	29.538	47.1	36.8	36.5	48.9	322	201	99	93	SW 7	W 1	10	10	1.050	Very fine.
5	29.711	29.991	32.0	33.3	32.1	38.0	161	168	86	88	NW 0-1	NW 1	9	0	—	Very fine.
6	30.158	30.160	29.7	33.3	27.5	39.4	144	158	87	83	NW 1	NE 0-1	0	0	—	Very fine.
7	30.243	30.243	32.7	34.9	28.9	36.1	127	147	69	73	NE 1	E 0-1	7	10	—	Very fine.
8	30.110	29.845	37.4	29.9	29.6	37.8	167	110	74	66	SE 0-1	ENE 6	10	10	—	Very fine.
9	30.574	30.749	30.5	30.9	27.0	33.3	110	102	64	59	ENE 6	NE 7	10	1	—	Very fine.
10	30.016	30.016	32.2	28.7	28.3	34.9	112	97	62	45	NE 6	NE 3	1	8	—	Very fine.
11	29.712	29.712	25.7	25.6	25.0	27.5	603	606	51	48	ENE 2	ESE 1	10	10	—	Very fine.
12	29.572	29.725	25.7	25.6	25.0	27.5	603	606	51	48	ENE 2	NNW 2	10	10	—	Very fine.
13	30.064	30.238	21.9	38.0	21.2	38.0	104	171	89	74	Calm 0	SSW 5	0	10	1.170	Very fine.
14	30.142	30.227	41.0	40.8	36.0	43.0	255	252	99	100	SSW 4-5	Calm 0	10	10	1.065	Very fine.
15	30.078	29.760	41.5	43.4	40.5	43.5	260	274	99	98	SSW 4	SSW 4	10	10	1.495	Very fine.
16	29.741	29.991	40.6	36.1	35.1	45.0	231	198	92	93	WSW 4	NW 4	1	0	1.020	Very fine.
17	29.935	30.026	38.6	33.9	33.6	40.4	224	189	96	97	NE 1	ENE 5	10	7	—	Very fine.
18	30.225	30.225	33.2	37.8	31.3	37.8	188	191	99	84	NE 1	S 0-1	10	10	1.060	Very fine.
19	30.022	30.022	35.2	34.7	32.7	38.2	196	192	95	95	SSE 1	NE 3-4	10	10	1.480	Very fine.
20	30.342	30.377	30.9	30.7	35.5	35.5	161	161	85	93	NE 3	NE 2-3	5	0	—	Very fine.
21	30.269	30.065	29.3	28.7	28.1	32.7	146	129	91	82	E 1	E 4	10	10	—	Very fine.
22	29.949	29.929	26.6	29.9	26.1	30.3	117	115	82	69	NE 2	NE 5	10	10	—	Very fine.
23	30.052	30.052	29.0	30.0	28.1	30.7	106	108	67	64	NE 6	NE 5	9	10	—	Very fine.
24	30.942	30.942	28.7	30.1	28.1	30.5	132	115	84	68	NE 6	NE 7	10	10	—	Very fine.
25	29.953	29.981	30.4	29.9	29.3	31.5	121	118	71	95	NE 5-6	NE 5	10	10	1.020	Very fine.
26	30.000	30.063	31.7	33.1	29.2	33.1	160	180	90	95	NE 4	NE 2	10	10	—	Very fine.
27	30.150	30.248	32.9	35.2	32.3	35.4	183	200	98	97	NNE 4	NE 4	10	10	—	Very fine.
28	30.356	30.403	34.9	35.3	33.5	35.9	189	191	93	93	NNE 2	NE 2	10	10	—	Very fine.
29	30.344	30.344	32.7	31.1	31.1	35.9	167	170	89	97	NNE 2	NE 2	10	10	—	Very fine.
30	30.232	30.232	33.9	33.1	30.9	34.4	175	144	89	76	NE 2	NE 3	10	10	—	Very fine.
31	30.285	30.285	32.7	31.7	31.5	33.8	147	172	79	96	NE 2	NE 1	10	10	—	Very fine.
Means	30.018	30.028	33.3	33.4	30.8	36.8	166	162	83.0	81.7	2.8	3.0	8.4	8.3	3.770	Very fine.

## DARTMOOR.

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

JANUARY 1879.

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	29.846	29.314	44.6	45.0	40.6	46.0	295	299	100	100	W 2	S 2	10	10	1.430	Very fine.
2	30.094	30.094	45.2	40.4	37.0	46.6	302	251	100	100	SE 4	S 1	10	10	1.540	Very fine.
3	29.466	29.553	45.2	40.4	37.0	46.6	302	251	100	100	SE 4	S 1	10	10	—	Very fine.
4	29.794	30.116	29.2	31.4	28.9	41.9	139	157	86	89	N 4	N 4	0	0	—	Very fine.
5	30.472	30.139	28.0	30.4	27.2	36.4	134	158	88	94	Calm 0	E 1	2	6	—	Very fine.
6	30.214	30.124	28.9	32.0	25.5	34.2	145	181	91	100	Calm 0	SE 4	10	10	1.960	Very fine.
7	29.876	29.572	32.0	31.7	30.1	32.4	167	172	92	96	E 8	E 7	10	10	1.860	Very fine.
8	29.350	29.727	32.0	22.4	22.4	32.0	160	112	100	95	E 10	E 8	10	0	—	Very fine.
9	30.017	30.017	20.0	28.4	19.8	29.0	100	135	93	88	E 8	E 8	10	10	—	Very fine.
10	29.521	29.441	25.0	24.6	24.6	28.4	127	133	95	100	E 9	E 7	10	10	1.170	Very fine.
11	29.564	29.853	17.9	15.9	15.0	26.4	99	97	100	100	E 5	Calm 0	5	0	—	Very fine.
12	30.098	30.085	25.2	36.4	15.0	36.4	121	215	90	100	Calm 0	SW 6	10	10	1.790	Very fine.
13	30.085	30.166	43.2	40.4	35.8	43.6	279	242	100	97	SW 4	Calm 0	10	0	1.650	Very fine.
14	29.846	29.623	45.4	40.4	39.5	46.4	304	251	100	100	SW 8	S 5	10	10	1.280	Very fine.
15	30.740	30.965	35.4	32.9	31.8	42.4	196	187	95	100	NW 4	Calm 0	5	0	1.470	Very fine.
16	29.665	30.041	37.9	31.7	31.0	38.2	218	160	96	90	E 9	E 2	10	0	1.290	Very fine.
17	30.183	30.024	33.4	36.8	28.4	36.8	191	218	100	100	E 4	E 6	10	10	1.610	Very fine.
18	29.959	30.126	40.4	34.6	34.5	44.4	242	200	97	100	NW 5	Calm 0	5	0	—	Very fine.
19	30.238	30.231	30.4	32.0	28.9	36.6	162	162	100	99	E 6	E 6	10	10	1.010	Very fine.
20	30.082	29.901	29.8	32.4	29.0	32.4	160	175	96	96	E 8	SE 2	10	10	—	Very fine.
21	29.804	29.848	27.4	22.6	22.0	32.4	149	121	100	100	E 7	E 9	10	10	—	Very fine.
22	29.919	29.987	32.0	31.4	31.4	30.4	111	107	94	94	E 9	E 9	10	0	—	Very fine.
23	29.961	29.975	31.2	22.0	19.3	27.9	106	99	94	83	E 10	NE 8	4	10	—	Very fine.
24	29.968	30.000	23.4	23.6	22.0	24.8	111	127	89	100	E 6	E 5	10	10	—	Very fine.
25	30.069	30.069	23.4	26.0	22.5	28.4	118	141	94	100	NE 6	NE 4	10	10	—	Very fine.
26	30.151	30.270	28.4	28.9	26.0	30.6	156	159	100	100	E 1	Calm 0	10	10	1.080	Very fine.
27	30.364	30.416	29.8	28.8	28.0	31.4	166	158	100	100	E 4	E 4	10	10	1.120	Very fine.
28	30.363	30.363	27.4	25.6	25.4	29.6	149	139	100	100	E 4	NE 5	10	10	—	Very fine.
29	30.166	30.166	24.9	26.8	24.0	27.4	134	138	100	96	NE 6	NE 7	10	10	—	Very fine.
30	30.287	30.287	26.8	26.8	26.0	28.0	133	138	91	96	NE 4	Calm 0	10	10	—	Very fine.
31	30.186	30.061	27.9	29.4	26.0	29.4	152	162	100	100	NE 6	E 5	10	10	1.280	Very fine.
Means	29.969	29.971	30.0	30.3	26.9	34.7	167	168	96.0	96.9	5.9	4.2	8.4	7.3	9.540	Very fine.

## BABBACOMBE.

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

JANUARY 1879.

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 2	SW 2	10	10	ins.	Scotch $\frac{1}{2}$ p.	
2	29.862	29.318	48.9	48.3	45.2	49.9	.325	.339	95	100	NNE 2	S 3	1	10	1.460	○ 0.30p.-1.15p., and 2p.-3p.	
3	30.112	30.064	34.1	41.9	33.0	48.8	.143	.257	72	97	WSW 3	N 1	9	10	1.930		
4	29.451	29.569	48.9	43.3	41.9	52.4	.334	.260	97	93	N 3	WNW 1	1	0	1.010	10.30p. after	
5	29.807	30.120	34.4	33.8	33.7	43.9	.145	.166	73	85	NE 1	NNE 2	4	7	—	10.30p. after	
6	30.159	30.139	35.5	36.8	29.2	40.6	.157	.187	75	87	E 2	SE 3	10	10	1.750	Splendid red and golden sunrise.	
7	30.229	30.139	37.9	36.7	33.5	40.4	.186	.205	82	95	ESE 4	E 7	10	10	1.810	on Dartmoor and on hills 8 miles SW	
8	29.919	29.586	37.1	36.2	34.2	37.5	.215	.209	67	68	E 8	ENE 8	10	1	—	before 9a. 2 in aft. Very high	
9	29.354	29.704	36.5	32.8	31.8	38.0	.160	.137	75	74	E 6	ESE 6	8	9	—	n. and p. Squally.	
10	30.024	30.024	31.9	35.3	29.5	35	.138	.130	76	63	ESE 5	E 5	10	10	1.630	crystals 10.15a.-noon.	
11	29.537	29.455	32.6	31.4	29.7	35.8	.114	.115	62	65	NE 5	NW 1	10	0	—	showers till 1a.	
12	29.544	29.838	27.0	21.1	21.1	31.5	.003	.082	65	74	W 2	S 5	3	10	1.170	a. Thaw p.	
13	30.133	30.115	25.5	39.9	19.1	39.0	.082	.238	61	97	SW 4	SSW 1	10	10	1.210	D 2 p. after 9p.	
14	30.095	30.166	47.9	42.4	39.9	52.8	.329	.271	99	100	SSW 5	WSW 3	10	9	1.670	n. snow	
15	29.858	29.603	48.3	43.1	42.1	49.6	.339	.271	100	97	WSW 6	Calms	0	3	2	1.160	5 p.-8 p. after 8 p. Squally.
16	30.188	30.045	39.6	40.3	34.2	40.9	.217	.248	80	100	E 2	SSE 4	10	10	1.630	from ENE. mid-day.	
17	29.711	29.045	42.4	36.9	36.7	43.8	.269	.173	90	79	E 2	NNE 2	10	1	—	p.	
18	29.946	29.110	44.8	39.6	39.5	52.1	.269	.225	91	93	W 2	NW 2	2	0	—	a. Squally p.	
19	30.258	30.260	35.5	37.0	35.0	39.7	.166	.154	80	68	E 5	ESE 5	9	9	—		
20	30.134	29.906	35.8	38.9	33.8	38.9	.167	.193	80	82	SE 4	SE 3	10	10	—	Squally p.	
21	29.805	29.874	33.0	29.5	29.1	39.3	.173	.118	62	73	ENE 5	ENE 7	10	10	—	Squally all day. Ground frozen	
22	29.049	29.013	20.0	30.0	28.9	31.1	.102	.106	64	64	ENE 7	ENE 5	9	10	—	in squalls p.	
23	30.007	29.980	27.2	29.1	25.2	30.1	.086	.090	59	57	NE 6	ENE 5	10	10	—	0 ga.-1p.	
24	29.969	30.003	30.7	30.0	29.0	31.7	.113	.118	66	70	ENE 5	NNE 3	10	10	—	0 a. and p.	
25	30.071	30.071	28.9	31.0	28.3	32.1	.115	.136	73	77	NNE 3	NNE 2	10	6	1.010	0 a. Thaw.	
26	30.155	30.259	32.4	33.4	31.0	35.2	.172	.168	95	88	NNE 2	NNE 2	10	10	1.060	a. and p.	
27	30.360	30.415	33.8	33.9	32.8	35.6	.184	.179	94	91	NE 2	NE 4	10	10	—	0 n. ~.	
28	30.358	30.234	32.1	32.0	31.9	34.0	.166	.149	91	77	NE 4	ENE 3	10	10	—	Thaw.	
29	30.187	30.224	32.7	34.3	31.0	34.9	.156	.155	84	78	ENE 4	E 5	10	10	—		
30	30.281	30.272	33.1	33.6	32.2	34.4	.153	.152	81	80	ENE 3	ENE 2	10	10	—		
31	30.219	30.086	33.0	35.0	32.7	35.1	.160	.174	86	85	ENE 5	E 6	10	10	1.280	0 midnight.	
Means	29.984	29.978	35.9	35.7	32.6	39.8	.182	.181	81.8	83.3	4.0	3.6	8.4	7.6	6.350		



## LONDONDERY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

JANUARY 1879.

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.	32°	32°	32°	36°	ins.	ins.	100	100	WSW 1	NE 1	6	0	ins.	* showers during the day.
2	29°811	29°822	32°7	32°7	32°0	36°0	182	148	98	80	WSW 1	NE 1	6	0	ins.	* a. U p.
3	29°014	29°014	31°7	30°1	28°8	35°0	173	168	96	100	WSW 1	NE 1	6	4	ins.	* a. U p.
4	29°644	29°678	32°7	32°9	24°5	33°6	170	150	91	80	Calm 0	N 1	10	5	ins.	* a. U p.
5	29°927	30°115	33°7	31°7	30°5	36°0	178	172	91	96	NNW 1	WNW 1	8	3	ins.	* a. U p.
6	30°147	30°198	31°7	31°7	29°6	34°8	160	147	90	82	W 1	Calm 0	10	3	ins.	* a. U p.
7	30°122	29°942	35°7	36°2	25°4	37°5	161	193	77	90	SSE 2	S 4	10	10	ins.	* a. U p.
8	29°736	29°501	38°1	35°1	33°5	38°8	205	185	89	90	SE 5	SE 4	10	10	ins.	* a. U p.
9	29°659	30°010	32°5	32°7	31°0	37°6	148	169	81	91	ESE 3	NE 1	9	7	ins.	* a. U p.
10	30°033	29°721	33°2	33°7	30°0	35°8	163	194	86	100	SE 4	SE 5	7	10	ins.	* a. U p.
11	29°645	29°636	34°1	28°7	28°5	35°0	193	158	98	100	ESE 4	Calm 0	6	5	ins.	* a. U p.
12	29°692	29°692	27°2	25°7	24°8	31°0	139	132	94	95	SW 1	Calm 0	4	0	ins.	* a. U p.
13	29°704	29°704	30°2	42°9	21°8	44°0	135	255	80	92	SE 1	S 2	10	10	ins.	* a. U p.
14	29°804	29°804	39°7	41°0	38°5	44°7	226	236	93	93	SW 2	S 2	0	0	ins.	* a. U p.
15	29°809	29°809	44°9	39°8	39°3	46°0	275	211	92	87	SSW 3	S 3	6	0	ins.	* a. U p.
16	29°837	29°837	38°5	34°0	33°5	42°0	197	174	86	88	NW 3	Calm 0	8	0	ins.	* a. U p.
17	29°853	29°853	30°6	31°5	30°0	37°0	153	154	90	86	Calm 0	Calm 0	3	0	ins.	* a. U p.
18	29°842	29°842	38°2	40°2	31°2	41°0	192	232	84	93	ESE 2	SSE 5	10	10	ins.	* a. U p.
19	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
20	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
21	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
22	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
23	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
24	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
25	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
26	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
27	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
28	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
29	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
30	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
31	29°842	29°842	39°7	37°8	36°5	43°2	237	212	96	94	WSW 1	E 2	6	0	ins.	* a. U p.
Means	30°007	30°007	33°7	33°2	30°0	37°1	173	170	88°5	88°2	1°7	1°4	7°5	5°3	1°430	

## MARKREE CASTLE.

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

JANUARY 1879.

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°816	29°818	30°2	30°1	29°5	43°7	168	125	100	74	ENE 1	Calm 0	3	1	ins.	* a. and p. U p.
2	30°071	29°843	25°3	27°8	20°0	34°5	137	119	100	79	N 0°5	Calm 0	2	10	ins.	* a. and p. U p.
3	29°619	29°698	32°3	22°1	22°1	38°0	168	112	92	94	NE 1	Calm 0	10	0	ins.	* a. and p. U p.
4	29°966	30°133	29°1	26°3	19°0	40°3	143	143	90	100	Calm 0	Calm 0	1	3	ins.	* a. and p. U p.
5	30°151	30°159	20°5	26°1	19°3	31°3	102	118	93	83	Calm 0	Calm 0	10	10	ins.	* a. and p. U p.
6	30°048	29°908	34°1	36°7	25°8	37°5	161	208	81	96	SSE 4	SE 4	10	10	ins.	* a. and p. U p.
7	29°657	29°657	37°6	35°0	33°9	37°6	205	188	86	92	ESE 5	SE 5	10	10	ins.	* a. and p. U p.
8	29°553	29°553	33°6	31°0	31°0	36°4	155	131	81	75	ESE 3	SE 4	7	10	ins.	* a. and p. U p.
9	29°942	29°942	30°7	32°9	28°3	34°1	154	174	93	93	ESE 5	SE 6	5	10	ins.	* a. and p. U p.
10	29°546	29°546	28°9	25°1	25°1	33°4	99	132	63	98	SE 5	SE 2	6	8	ins.	* a. and p. U p.
11	29°678	29°678	16°3	15°1	15°1	31°2	99	108	100	97	Calm 0	Calm 0	0	0	ins.	* a. and p. U p.
12	29°793	29°793	31°9	46°7	13°4	47°4	167	284	92	89	SE 5	SW 2	10	10	ins.	* a. and p. U p.
13	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
14	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
15	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
16	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
17	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
18	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
19	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
20	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
21	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
22	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
23	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
24	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
25	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
26	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
27	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
28	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
29	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
30	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
31	29°843	29°843	39°1	41°9	36°0	47°8	229	234	96	89	SSW 1	SSE 3	9	2	ins.	* a. and p. U p.
Means	29°973	29°973	31°4	31°5	26°8	38°6	158	162	87°3	89°5	2°0	2°0	6°5	6°9	1°062	

## DUBLIN.

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

JANUARY 1879.

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°2	37°2	35°8	48°5	in.	in.	100	100	W 1	NE 4	4	6	ins.	☉ p. ☼ p.
2	29°828	29°704	27°9	34°8	27°3	37°2	122	150	80	75	W 2	SE 2	0	9	143	☉ falling p. ☼
3	29°559	29°663	37°2	31°7	31°2	39°6	177	145	80	80	E by N 2	WNW 2	10	4	—	☉ <sup>0</sup> ☼ <sup>0</sup> 11a. ☉ p.
4	29°914	30°123	30°1	32°2	28°3	37°2	144	173	85	94	W 3	W 2	0	0	—	☉ <sup>2</sup> p.
5	30°155	30°190	24°1	27°1	24°0	32°4	130	142	100	96	W 1	Calm 0	7	8	—	☉ <sup>2</sup> a. ☉ a. ☉ <sup>2</sup> p.
6	30°175	29°993	33°0	37°7	25°6	37°7	159	212	84	94	SE 1	SE 8	10	10	206	Red sunrise. Squally, sp. ☼ (gale) p.
7	29°806	29°806	38°6	36°2	33°9	38°6	205	197	88	92	SE 7	SE by S 8	10	10	473	☉ <sup>2</sup> with ☉ <sup>2</sup> ☼ and sleet, p.
8	29°556	29°556	34°3	34°1	33°4	36°5	142	157	72	79	ESE 5	ESE 3	5	1	—	☉ <sup>2</sup> with squalls, a. ☉ after 10p. ☉ a. and p.
9	30°056	30°056	34°4	34°5	32°0	35°7	152	143	76	71	SE 5	SE 9	6	9	—	☉ a. Bitterly cold. ☉ <sup>2</sup> evening.
10	29°586	29°586	31°1	31°3	30°2	34°5	132	123	75	69	SE 8	ESE 4	7	8	—	☉ a. and p. Very cold. ☉ <sup>0</sup>
11	29°649	29°649	29°9	25°2	25°2	31°6	101	906	61	71	E 2	W 1	3	0	—	Smoke ☉ <sup>2</sup> p.
12	29°950	29°749	33°3	48°2	21°2	48°2	152	305	80	91	S 2	SW 5	10	10	113	☉ <sup>0</sup> sa. ☉ ga. Warm, damp, and [squally, p]
13	29°906	29°986	45°2	41°2	40°3	49°4	251	237	84	93	WSW 4	SW 1	0	6	107	☉ <sup>0</sup> sa. ☉ ga. Warm, damp, and [squally, p]
14	29°596	29°461	46°1	42°2	40°2	49°3	293	229	94	86	S 1	Calm 0	6	0	048	☉ a. Very mild.
15	29°654	29°904	40°1	35°3	35°0	44°3	223	164	90	79	WNW 3	WSW 1	7	2	—	☉ <sup>2</sup> p.
16	29°947	30°110	39°7	33°9	33°0	41°7	200	179	85	91	ESE 2	E 2	9	0	—	☉ <sup>2</sup> p.
17	30°052	29°730	39°4	41°5	32°0	41°5	203	245	84	93	SSE 3	SE 8	9	10	272	☉ <sup>2</sup> p.
18	29°884	30°147	42°1	40°0	37°9	46°1	228	239	85	97	WSW 2	E 1	5	10	—	Sunny day. ☉ <sup>2</sup> ☉ <sup>2</sup> p.
19	30°204	30°216	38°3	37°7	36°9	41°4	191	174	83	77	SE 6	SE by S 7	8	10	—	☉ a. and p. Very cold a. Squally.
20	30°071	29°854	37°1	36°3	35°7	38°0	167	201	76	94	SE 5	SE 7	10	10	130	☉ <sup>2</sup> ☉ <sup>2</sup> 3-30p. ☉ a. and p. Squally.
21	29°906	30°038	36°0	34°2	34°0	37°2	195	142	92	73	ESE 1	E by N 6	10	10	—	☉ <sup>2</sup> Sleet showers at times. ☉ p.
22	29°166	29°445	35°2	35°0	33°9	36°5	149	148	72	72	E by N 4	ENE 3	9	1	—	☉ <sup>0</sup> early a. ☉ <sup>0</sup> ☉ <sup>0</sup> 9a.-10a.
23	29°224	29°139	34°3	33°9	33°1	36°2	152	126	77	66	NE 3	E 3	6	10	—	☉ <sup>0</sup> 9a.-11a. ☉ <sup>2</sup> 4-30p.
24	29°107	29°159	32°6	33°1	32°1	34°4	114	118	62	62	ESE 2	SE 2	2	10	—	☉ <sup>0</sup> a.
25	29°212	29°217	33°0	30°1	29°9	34°6	147	122	78	73	ESE 1	Calm 0	10	3	—	☉ <sup>0</sup> a.
26	29°233	29°339	27°3	29°9	25°0	33°4	112	122	76	73	WNW 1	W 1	2	10	—	Smoke ☉ <sup>2</sup> a.
27	29°494	29°564	24°0	34°7	23°2	35°1	104	154	81	76	W 1	N 1	2	10	—	Smoke ☉ <sup>2</sup> with ☉ <sup>2</sup> morning.
28	29°479	29°294	35°7	36°1	31°9	41°1	200	196	96	92	W 1	N 2	10	9	053	Damp vapour ☉ <sup>2</sup> a. ☉ 11p.-Midt.
29	29°269	29°364	35°1	35°2	34°0	36°5	163	149	79	72	ESE 3	ESE 2	10	10	—	☉ <sup>2</sup> ☉ <sup>2</sup> a.
30	29°359	29°324	35°3	35°0	34°6	35°7	157	153	76	75	ESE 2	ESE 3	10	10	—	☉ <sup>0</sup> at times.
31	30°267	30°105	33°4	32°6	35°0	34°0	149	156	78	81	SE by E 4	SE 5	10	10	169	☉ <sup>0</sup> at times.
Means	30°012	30°005	34°8	35°1	31°7	38°9	168	169	81°3	80°8	2°8	5°3	7°0	7°2	1°714	



## LAUDALE.

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

FEBRUARY 1879.

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.	31°6	34°0	29°8	37°0	ins.	ins.	83	98	E 2	E 3	0	2	ins.	— a. ~ ga.—9p.
2	29°114	29°922	31°6	34°0	29°8	37°0	148	192	83	98	E 2	E 2	3	2	—	~ all day.
3	29°795	29°758	35°0	37°0	31°6	38°0	148	165	72	75	E 3	E 1	2	2	—	~ all day.
4	29°809	29°805	35°0	35°0	35°0	38°5	145	184	71	90	E 2	E 4	9	9	—	~ all day. Clouds from North.
5	29°513	29°198	36°9	45°0	35°0	45°0	150	249	69	84	SSE 7	SSW 3	10	10	1.290	~ a. * ~ ga. ~ p. Thaw later.
6	29°805	29°191	46°0	35°0	34°0	46°0	292	148	94	72	SSW 6	SW 4	10	10	0.670	~ all day.
7	29°990	29°937	46°2	48°0	34°0	48°0	301	263	97	79	SW 3	WSW 2	5	10	0.420	~ ga.
8	29°090	29°262	39°6	39°0	29°3	48°2	211	199	87	84	WSW 4	S 1	7	3	0.140	* a. ~ set in suddenly at 7p.
9	29°190	29°096	34°6	37°0	33°8	41°0	169	186	84	85	Calm 0	Calm 0	1	0	—	~ all day.
10	29°038	29°839	41°0	37°0	33°8	45°0	197	210	77	96	E 2	Calm 0	5	0	—	~ a. ~ ga.—9p.
11	29°982	29°211	36°9	36°7	33°0	43°0	207	208	95	96	Calm 0	NE 1	9	5	0.070	~ a. ~ ga.—9p.
12	29°641	29°802	35°0	33°0	30°5	39°8	200	167	98	89	ENE 1	Calm 0	10	0	—	~ a. ~ ga.—9p.
13	29°688	29°501	36°0	40°0	33°0	40°8	145	181	68	73	E 3	SW 4	10	10	—	~ a. ~ ga.—9p.
14	29°648	29°647	38°6	40°0	36°0	40°5	199	189	85	76	SE 3	SE 2	7	9	0.040	* on hills, * on the lower
15	29°453	29°100	40°0	40°0	36°5	41°6	193	198	78	80	SSE 6	SSE 8	10	10	0.200	* on hills from noon.
16	29°050	29°051	39°0	35°0	31°0	40°0	190	194	81	95	E 2	E 2	10	10	0.350	* on hills from noon.
17	29°928	29°955	36°6	35°0	31°5	39°2	169	194	78	95	E 2	E 1	3	10	0.070	* on hills from noon.
18	29°181	29°308	32°8	29°0	27°6	37°2	135	123	72	78	E 1	E 2	2	0	—	* before ga. ~ all day.
19	29°226	29°101	33°0	34°0	27°0	36°0	147	122	78	62	E 2	E 1	10	5	—	* 9.30a.—Noon. ~ a. and p.
20	29°084	29°207	29°0	29°0	26°8	39°0	106	130	67	82	Calm 0	Calm 0	0	0	—	* ga. and before. ~ ga.—9p.
21	29°234	29°234	34°8	39°0	27°0	39°0	166	218	82	92	E 4	ESE 3	4	0	—	~ all day. *
22	29°364	29°575	28°0	37°0	28°0	40°0	117	182	77	83	Calm 0	NE 3	0	2	0.060	* a. ~ all day. ∞ 4p.—6p.
23	29°710	29°887	34°2	37°0	28°0	41°0	174	182	87	83	N 2	N 1	7	0	—	* ga. and 9p. ~
24	29°963	29°163	31°0	33°0	29°0	41°5	174	147	100	78	NE 3	NE 1	0	2	—	~ all day.
25	29°236	29°234	31°9	31°5	29°9	40°5	154	143	86	80	Calm 0	Calm 0	8	0	—	~ all day.
26	29°202	29°950	34°8	39°9	31°5	40°0	176	218	87	89	NE 1	S 1	10	10	0.320	~ a. * ga. and p. 2 9p.
27	29°846	29°610	43°5	44°0	34°2	44°0	271	224	96	77	Calm 0	SW 3	9	9	0.150	~ on hills ga.—9p.
28	29°676	29°839	40°8	36°8	27°2	47°0	201	188	79	87	SW 3	Calm 0	9	8	—	* ~ a. and p. 0 9p.
Means	29°473	29°476	36°3	36°9	31°4	41°2	180	185	82°1	83°5	2°3	1°9	6°1	4°9	3°780	

## GLENALMOND.

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

FEBRUARY 1879.

1	30°187	30°044	25°3	29°0	20°7	35°5	111	136	81	86	E 1	E 1	7	10	0.012	* early a. and during day.
2	29°909	29°866	30°0	32°0	26°5	33°0	156	180	93	99	ESE 1	E 2	10	10	0.202	* till 10a.
3	29°900	29°979	32°0	31°6	30°5	32°0	177	141	97	79	SE 1	NE 2	10	10	—	* n. and a. p. ~ ga.
4	30°063	29°951	29°0	30°6	27°9	33°8	130	132	82	76	S 1	S ? 1	10	10	0.080	* in forenoon. ~ p. Rapid thaw.
5	29°608	29°338	32°2	33°5	29°3	35°0	174	190	95	99	SW 2	Calm 0	10	10	0.250	~ ga. Bright and sunny from noon.
6	29°935	29°163	38°2	41°6	33°0	43°5	212	195	92	75	SW 2	W 3	9	3	0.390	~ a.
7	29°039	29°982	37°2	38°1	36°0	48°0	218	217	98	95	W 1	Calm 0	10	10	—	~ for several hours during the day.
8	29°149	29°305	36°9	34°0	32°5	38°5	201	172	92	87	SW 2	W 1	10	10	0.060	* most of the day.
9	29°254	29°195	30°3	34°7	24°0	37°0	139	198	81	98	E 1	S 1	8	10	0.031	* n. (sleet) n. and during day.
10	29°017	29°893	34°7	36°3	33°5	36°7	194	210	96	98	W 1	Calm 0	10	10	—	* n., 3p. and 9p.
11	29°026	29°348	34°0	29°1	28°5	40°4	184	140	93	88	E 2	SW 1	10	10	0.493	* n. and all day.
12	29°600	29°858	33°5	32°2	28°5	36°7	170	179	88	98	Calm 0	Calm 0	10	10	0.471	* n. and till noon. 19 ins. deep at 9a. * in evening.
13	29°814	29°659	31°0	34°7	29°2	34°7	161	192	93	95	E 2	SW 1	10	10	0.580	* ga. and occasionally during day.
14	29°732	29°779	34°1	33°4	32°0	34°7	195	187	99	97	SE 2	SE 1	10	10	0.730	* n. and all day.
15	29°589	29°283	33°8	32°9	30°5	34°2	186	182	95	97	E 1	E 2	10	10	0.287	* n. and all day.
16	29°166	29°115	32°1	32°0	31°1	32°9	181	177	99	97	E 1	E 1	10	10	—	* n. and all day.
17	29°027	29°088	32°0	31°0	30°5	32°0	177	161	97	92	SE 1	SE 3	10	10	—	* n. and all day.
18	29°243	29°340	29°0	27°3	26°5	31°0	154	139	96	94	SE 1	SE 1	10	10	0.098	* n., ga., and at intervals during day.
19	29°309	29°194	23°8	17°7	16°8	27°8	104	092	81	96	Calm 0	SW 1	10	0	—	* ga. and occasionally during day.
20	29°160	29°245	17°7	27°0	12°3	31°0	089	134	93	92	W 1	W 1	2	10	—	Very bright.
21	29°290	29°319	29°0	27°3	26°0	33°2	145	139	91	94	W 1	W 3	9	0	—	* n.
22	29°387	29°492	23°0	33°2	16°0	35°0	095	140	78	74	W 1	W 3	9	0	—	Bright and sunny.
23	29°621	29°777	32°6	35°5	27°8	36°6	151	165	82	79	NNW 5	NW 3	7	2	—	Bright and sunny. Thawing 9p.
24	29°835	29°172	32°0	35°1	25°0	35°5	163	081	87	60	NNW 5	W 1	7	0	—	Rough and squally n.
25	29°247	29°304	28°8	19°2	18°0	40°0	044	087	92	84	W 2	Calm 0	4	0	—	* showers. Thawing p.
26	29°226	29°036	23°9	35°0	11°8	38°0	094	188	74	92	W 1	W 3	8	10	0.090	Bright and sunny.
27	29°845	29°642	34°9	39°8	30°5	44°0	195	234	96	96	W 1	W 1	8	10	—	
28	29°703	29°826	32°3	31°4	27°5	46°2	168	121	92	68	Calm 0	NNW 1	4	0	—	
Means	29°534	29°543	30°9	31°6	25°5	36°3	160	161	90°5	88°8	1°4	1°2	8°7	7°0	4°895	

## DOUGLAS, ISLE OF MAN.

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

FEBRUARY 1879.

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.	31°0	30°5	29°0	34°8	ins.	ins.	%	%	ESE 7	E 7	10	10	ins.	☂ a. ☂ * p.
2	29°681	29°678	32°0	36°8	29°4	37°0	177	206	97	95	E 5	E 4	10	10	0.282	* a. and p. ☂ 6p.
3	29°721	29°888	38°5	35°7	35°7	39°0	203	192	87	91	E 2	Calm 0	10	10	—	
4	29°032	29°974	35°3	36°3	32°4	38°0	140	157	67	73	NE 1	SSE 3	9	10	0.154	
5	29°635	29°412	38°9	41°7	34°5	42°6	227	264	96	100	SSE 5	SSW 1	10	10	0.267	☂ 9p.
6	29°164	29°414	43°8	45°0	41°6	48°9	269	257	95	86	SW 4	WSW 4	3	7	0.190	☂ after ga.
7	29°109	29°037	45°1	42°4	41°6	48°9	298	250	99	92	WSW 2	W 1	10	10	0.100	☂ a.
8	29°262	29°378	43°1	35°3	35°3	44°5	250	197	89	96	SW 4	Calm 0	9	1	0.840	☂ 9p. ☂ at night. ☂ 2
9	29°009	29°079	43°9	40°2	33°4	44°4	282	243	99	97	SSW 5	E 2	9	10	0.080	☂ 2 till 8.30a.
10	29°908	29°821	41°4	39°2	39°2	46°4	261	240	100	100	Calm 0	Calm 0	10	7	0.006	☂ 9a. and 9p.
11	29°968	29°322	41°4	36°5	36°5	44°6	235	173	91	80	ESE 1	NE 4	8	2	—	
12	29°685	29°825	34°9	35°0	30°0	42°2	181	198	90	97	Calm 0	Calm 0	9	0	0.008	☂ a. ☂ p.
13	29°640	29°405	37°7	39°0	30°6	39°8	209	230	92	97	ESE 5	E 5	10	9	0.377	☂ 9a.
14	29°527	29°045	39°8	39°5	38°1	41°0	219	216	90	90	E 5	E 2	10	7	0.090	
15	29°486	29°120	38°7	39°7	37°9	41°3	231	228	98	93	ESE 4	Calm 0	10	10	0.890	☂ nearly all day. ☂ 2 9p. [ * ] ☂ 9p.
16	29°092	29°062	37°8	32°1	32°1	43°0	218	178	97	98	W 2	Calm 0	10	1	0.270	☂ ga.—Noon. (Mountains covered with
17	29°921	29°989	36°3	31°5	29°8	38°2	203	178	95	100	Calm 0	Calm 0	10	2	0.160	☂ * till 10.30a. * 5p. ☂
18	29°158	29°287	34°5	34°8	28°5	42°2	152	190	75	94	Calm 0	Calm 0	10	2	0.040	☂ a. ☂ 0 * 9p.
19	29°303	29°134	37°8	33°7	32°2	42°0	194	188	86	96	W 2	Calm 0	6	10	0.337	☂ 7p. * 7.30p.
20	29°067	29°140	33°7	36°3	32°0	37°6	190	186	98	87	Calm 0	E 4	10	10	0.048	☂ 2 inches deep at 9a.)
21	29°234	29°243	31°0	35°5	29°5	36°7	148	180	85	87	Calm 0	E 3	4	10	0.080	☂ 2 10.30a.—Noon.
22	29°319	29°544	33°8	28°3	27°4	36°0	170	126	87	82	E 3	Calm 0	10	0	—	☂ p. ☂ at night.
23	29°609	29°768	37°3	35°6	27°8	40°2	173	178	78	85	N 4	NNW 2	3	3	—	☂ 0 8a. and 9.30p.
24	29°809	30°071	37°6	33°8	27°6	40°2	153	154	68	80	NNE 4	ENE 4	3	3	0.020	☂ 0 11a.—Noon. ☂ * 2.30p.—3.30p.
25	30°205	30°233	34°0	32°7	27°5	39°0	144	144	73	77	Calm 0	NNE 1	2	2	—	☂ a.
26	30°245	30°120	37°6	39°9	27°5	41°4	162	229	72	94	Calm 0	WNW 2	6	10	0.040	☂ a.
27	29°924	29°733	45°3	44°6	39°4	48°6	295	282	98	96	W 1	SW 2	10	10	0.046	☂ 9a.
28	29°734	29°853	41°8	36°3	35°5	45°0	227	194	86	91	NW 2	Calm 0	10	0	—	
Means	29°482	29°499	38°0	36°7	32°9	41°5	206	201	88.7	91.0	2.4	1.8	8.3	6.3	4.376	



## KELSTERN.

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

FEBRUARY 1879.

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° 0	27° 0	27° 0	31° 5	in.	in.	63	75	SE 2	ESE 4	10	10	ins.	Cold wind.
2	29° 826	793	31° 2	32° 7	25° 7	32° 7	170	186	97	100	ESE 4	ESE 1	10	10	117	* before ga. ☼ p.
3	29° 740	29° 824	32° 9	31° 2	31° 2	33° 2	187	148	100	85	E 2	ENE 3	10	10	015	* a. and p. ☼ p.
4	30° 007	30° 080	32° 3	31° 0	29° 0	36° 5	160	171	88	99	ENE 1	ENE 1	8	9	—	* before ga.
5	29° 904	29° 500	30° 8	33° 2	29° 8	33° 3	139	189	81	100	S 5	SSW 4	10	10	145	* a. ☼ * p. ☼ gp.
6	373	441	38° 7	39° 9	32° 7	44° 5	227	216	96	88	S 5	W 4	10	2	020	* all day.
7	314	086	42° 5	44° 2	37° 9	47° 4	263	267	97	92	S 5	SW 6	10	8	325	* a. and p.
8	379	486	39° 0	39° 1	36° 2	48° 4	210	237	89	99	SW 2	Calm	1	10	660	* p.
9	29° 224	29° 190	47° 0	46° 7	38° 9	52° 4	298	307	93	96	WSW 3	SSE 3	7	8	053	
10	28° 941	28° 776	46° 3	41° 7	41° 4	47° 4	307	264	98	100	SW 1	NW 1	10	10	023	* ga. ☼ p.
11	28° 939	29° 236	40° 8	35° 8	33° 9	42° 9	239	196	95	94	W 1	W 2	10	10	—	* before ga.
12	29° 615	874	36° 0	31° 9	31° 8	44° 3	202	171	96	95	N 1	NW 1	10	0	—	* ga. Very fine, gp.
13	831	606	36° 4	35° 1	31° 4	39° 4	195	204	91	100	SSE 1	SSE 5	10	10	234	* p.
14	555	699	37° 0	35° 0	34° 8	37° 5	220	204	100	100	SE 2	ESE 4	10	10	092	* a. and p.
15	681	381	32° 9	33° 0	32° 5	35° 0	187	186	100	99	ESE 4	ESE 4	10	10	295	* ga. and before.
16	29° 095	29° 100	34° 2	33° 2	32° 1	37° 2	193	187	98	99	ESE 1	N 1	10	10	175	* a. ☼ * p.
17	28° 994	28° 972	33° 5	33° 0	32° 2	35° 5	192	188	100	100	NNE 1	NNW 1	10	10	043	* ga. and before. ☼ p.
18	29° 148	29° 236	31° 8	29° 4	29° 4	35° 2	172	159	97	98	NW 1	NW 1	10	8	020	* a. ☼ p.
19	392	287	31° 3	30° 4	29° 1	30° 3	170	141	97	85	S 2	SSE 1	8	1	145	* p.
20	073	077	32° 7	32° 9	30° 1	33° 5	184	185	99	99	E 1	NNW 2	10	1	240	* a. and p.
21	204	342	31° 9	26° 8	26° 0	33° 2	155	130	86	91	NNE 1	NE 1	10	1	055	* ga. and before. ☼ p.
22	399	521	30° 0	22° 8	19° 7	36° 5	116	122	69	100	SE 1	NNW 1	2	0	—	Very fine but very cold.
23	511	29° 713	28° 5	24° 0	20° 9	34° 4	142	125	93	97	W 1	NW 1	4	0	039	* p.
24	29° 766	30° 068	26° 0	31° 0	18° 1	34° 8	141	163	100	94	S 1	E 1	8	10	—	* ga. and before. ☼ p.
25	30° 110	097	32° 0	32° 0	25° 8	35° 7	145	181	80	100	N 2	NNE 3	8	10	080	* a. ☼ p. ☼ gp.
26	30° 114	30° 144	33° 7	26° 0	26° 0	38° 3	148	122	76	88	NNE 3	N 1	10	0	087	* before ga.
27	29° 958	29° 813	32° 0	34° 7	25° 6	35° 4	181	201	100	100	SW 1	SW 1	10	10	013	* a. and p. ☼ gp.
28	29° 702	29° 788	36° 7	36° 2	34° 1	41° 2	218	212	100	99	S 1	NW 2	10	10	065	* a. and p. ☼ p.
Means	29° 534	29° 547	34° 6	33° 2	30° 1	38° 5	188	185	92° 1	95° 4	2° 0	2° 1	8° 8	7° 4	3° 067	

## LLANDUDNO.

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

FEBRUARY 1879.

1	30° 000	29° 837	30° 3	29° 7	28° 2	32° 1	119	165	71	100	SE 3	SE 6	10	10	210	* a. ☼ a. and p., melting during
2	29° 644	643	35° 8	37° 7	29° 2	39° 0	176	206	84	91	SE 1	SE 0° 6	9	10	—	* before ga. Squally, ☼ p. [day.
3	29° 692	862	36° 2	35° 0	34° 8	38° 0	191	184	90	90	SE 1	E 1	10	10	—	* all day.
4	30° 061	995	34° 2	33° 2	33° 0	37° 0	176	145	89	77	SE 0° 6	SE 1	10	5	—	* and ☼ all day, but fair.
5	29° 668	470	40° 0	44° 9	33° 4	48° 4	207	255	84	86	S 4	SW 3	10	2	040	
6	247	474	45° 0	45° 0	43° 0	48° 5	273	241	91	81	S 4	W 4	10	8	030	Very fine.
7	133	104	48° 0	41° 2	40° 0	50° 0	281	237	85	92	W 2	W 2	10	10	350	Sea ☼ 1p.—3p.
8	330	394	45° 0	44° 0	40° 6	47° 4	230	243	77	84	W 4	W 1	9	10	278	
9	29° 098	29° 088	49° 4	45° 2	40° 7	50° 6	279	185	80	91	SW 7	W 0° 6	9	10	—	Squally a.
10	28° 890	28° 826	47° 0	47° 0	39° 9	50° 8	269	303	84	94	S 0° 6	NE 0° 6	2	10	020	* from the sea, 1p.—4.30p. then ☼
11	28° 969	29° 283	42° 1	38° 5	38° 3	47° 0	248	204	93	88	W 0° 6	E 1	5	10	—	Very fine and bright.
12	29° 708	860	37° 0	40° 0	32° 5	45° 6	179	196	81	79	E 0° 6	NW 1	6	10	—	Very fine and bright.
13	647	395	39° 0	42° 0	36° 7	43° 5	181	245	77	92	SW 3	SE 1	10	0	110	* p.
14	479	622	40° 1	40° 0	39° 7	44° 0	231	228	93	93	SE 2	E 1	10	10	—	* ga. and p.
15	540	153	41° 7	42° 4	39° 5	47° 1	234	234	89	87	SE 1	S 0° 6	10	10	780	
16	29° 126	075	38° 5	36° 9	32° 6	42° 9	220	183	94	84	W 1	WNW 0° 6	10	0	035	* in past n.
17	28° 958	000	39° 0	36° 1	33° 6	42° 0	208	193	88	91	W 1	NW 2	6	10	557	* showers from noon.
18	29° 180	306	34° 3	35° 2	33° 6	42° 0	189	199	96	97	W 2	W 2	10	10	120	* a. Fine afternoon.
19	381	168	40° 1	36° 0	34° 3	42° 6	204	184	82	87	SW 1	SW 1	1	10	300	Fine, but cold wind. ☼ gp.
20	069	156	34° 6	33° 7	33° 0	37° 0	188	161	94	83	W 1	WNW 1	10	1	150	* a.
21	231	263	35° 6	31° 8	31° 4	37° 0	178	145	85	81	E 1	E 1	10	0	—	* p. Snow still lying.
22	298	549	33° 8	32° 2	30° 8	40° 5	151	149	79	81	S 2	SE 2	8	0	—	Very fine. Snow melted.
23	589	29° 758	37° 3	37° 0	29° 8	40° 6	176	175	79	80	NE 4	N 6	2	10	030	* before ga. Fine, but cold and windy.
24	29° 798	30° 005	36° 8	34° 3	34° 1	38° 9	162	185	74	94	NE 3	NE 3	1	10	—	* showers till 11a.
25	30° 202	209	35° 5	36° 1	29° 0	37° 8	143	156	68	73	NE 2	NE 7	2	10	—	* before ga. Very fine.
26	30° 230	30° 169	37° 0	39° 1	35° 9	41° 3	149	184	68	77	NE 2	NW 2	9	10	—	Very fine.
27	29° 962	29° 771	43° 5	45° 0	38° 6	49° 2	260	275	95	92	W 2	W 0° 6	10	10	150	
28	29° 756	29° 847	40° 6	39° 5	39° 5	46° 9	228	231	90	96	W 2	N 0° 6	10	0	020	
Means	29° 496	29° 510	39° 2	38° 5	35° 2	43° 1	205	203	84° 3	87° 2	2° 0	1° 9	7° 8	7° 4	3° 192	

## BUXTON.

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

FEBRUARY 1879.

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° 156	29° 989	24° 9	23° 9	23° 5	28° 0	103	113	77	90	SE 3	E 2	10	10	ins.	☾ p. ✱ <sup>0</sup> gp.
2	29° 815	767	29° 9	31° 9	29° 9	23° 9	32° 0	142	139	85	76	E 2	SE 1	10	10	250	☾	
3	29° 750	29° 847	31° 0	29° 7	29° 0	32° 0	159	145	88	88	E 4	ESE 4	10	10	050	☾	☾ p.	
4	30° 003	30° 066	29° 9	30° 5	29° 0	33° 0	142	154	85	91	E 2	E 2	10	10	—	✱ gp.		
5	29° 829	29° 574	30° 9	35° 9	27° 5	35° 9	150	193	87	92	SW 3	SW 1	10	10	340	✱ p. ▲ gp.		
6	330	460	39° 4	41° 5	34° 8	43° 1	221	225	92	87	WSW 4	W 5	10	3	320	☾ p.		
7	273	075	41° 9	39° 9	38° 0	43° 6	255	214	96	87	SW 4	NW 6	10	10	670	☾ gp.		
8	385	460	39° 7	39° 9	36° 3	43° 9	228	225	93	92	W 2	W 1	6	10	050			
9	29° 235	29° 132	44° 9	44° 9	38° 8	46° 1	274	274	92	92	SW 2	SW 1	10	10	100			
10	28° 943	28° 856	45° 9	40° 2	36° 0	47° 1	286	222	93	89	Calm	0	NW 1	10	6	—		
11	28° 991	29° 314	39° 7	32° 9	32° 4	42° 3	228	155	93	83	NW 1	NW 1	10	3	—			
12	29° 675	914	33° 1	32° 3	29° 8	40° 0	180	165	96	91	NW 1	SE 1	10	2	—			
13	732	643	35° 2	35° 9	28° 2	36° 0	182	193	88	92	SE 1	SE 1	10	10	430			
14	555	686	31° 0	36° 9	32° 0	38° 2	159	197	88	90	E 2	E 2	10	10	070	☾ p.		
15	657	305	33° 5	34° 4	32° 1	36° 9	182	186	95	94	SE 1	SE 2	10	10	440			
16	151	156	34° 3	33° 9	32° 4	35° 5	190	176	96	90	NNW 2	W 1	10	10	090	✱ gp.		
17	073	005	30° 2	34° 9	28° 4	36° 5	149	177	89	87	NW 1	SW 1	10	10	140	✱ a. and p. ☾ gp.		
18	180	350	31° 9	29° 0	29° 5	38° 5	159	157	88	95	NW 1	Calm	0	10	200	☾ ga. ✱ p.		
19	375	227	32° 6	31° 9	29° 2	37° 8	160	159	88	88	W 1	NE 1	10	10	260	☾ a. and p.		
20	078	184	31° 9	30° 9	30° 2	34° 0	159	150	88	87	SW 1	NE 1	10	10	090	✱ ga.		
21	233	304	30° 2	29° 9	26° 0	32° 0	149	142	89	85	NE 1	E 1	10	10	010	✱ ga.		
22	385	880	27° 4	14° 7	13° 8	33° 3	130	063	88	77	E 2	Calm	0	10	2	—		
23	552	29° 788	32° 2	21° 7	14° 7	34° 2	162	091	89	80	NW 1	NE 1	8	4	250	✱ a. and p.		
24	29° 775	30° 088	33° 4	23° 9	19° 9	36° 4	162	096	85	76	N 1	NE 1	6	0	—			
25	30° 193	28° 186	28° 3	28° 7	19° 0	33° 5	122	122	80	N 1	NE 2	10	10	10	050	✱ ga. and p.		
26	30° 222	30° 191	31° 9	28° 0	25° 0	36° 2	168	133	93	84	N 1	NW 1	10	6	090			
27	29° 976	29° 813	38° 4	36° 9	27° 0	40° 0	212	183	92	84	NW 3	NW 1	10	10	070	▲ gp.		
28	29° 725	29° 821	39° 8	35° 6	33° 8	40° 0	223	195	92	93	NW 1	N 1	10	10	160			
Means	29° 545	29° 560	34° 2	32° 6	28° 6	37° 3	181	166	89° 5	87° 1	1° 8		1° 5	9° 6	8° 1	4° 730		



## UPPINGHAM.

Height above Mean Sea Level, 484 feet. Long. 0° 44' W. Lat. 52° 35' N.  
FEBRUARY 1879.

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.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	27°	26°	26°	107	127	ESE 2	SE 3	10	10	ins.	* 9p. Bitterly cold.
2	29°790	29°793	31°	33°	25°	176	188	ESE 1	ESE 1	10	10	124	* a. Snow lying. * with
3	29°686	29°789	33°	31°	31°	188	156	ENE 1	NE 4	10	10	—	Scotch * n. * ga.—Noon.
4	29°688	30°074	32°	31°	30°	165	162	SE by E 1	Calm 0	8	10	—	Cold wind and thaw all day.
5	29°931	29°633	31°	35°	30°	133	206	S by W 3	S by W 4	10	10	095	* 2p.—6p. * 9p. * 11p.
6	29°433	29°520	40°	39°	35°	234	220	SW 4	sw b.w. 4	0	6	050	Squally before ga.
7	29°353	29°147	44°	45°	38°	276	252	sw b.s. 6	SW 5	10	5	109	Rough in past n. and again late p.
8	29°410	29°487	41°	44°	38°	246	266	WSW 4	SW 2	7	10	305	
9	29°248	29°170	49°	46°	43°	300	318	sw b.w. 5	S 1	8	10	039	Rough in past night.
10	29°016	28°831	44°	44°	43°	284	281	sw b.s. 1	W 1	10	10	040	* 4p.—5p.
11	28°963	29°207	42°	37°	37°	263	187	Why S 2	N by E 3	10	10	—	* 5p.
12	29°626	29°883	34°	34°	32°	185	180	N by W 3	Calm 0	10	0	—	∞ on horizon, 9p.
13	29°800	29°114	36°	38°	33°	229	229	SE by S 2	SSE 2	10	10	180	* n.
14	29°495	29°632	41°	38°	37°	257	228	Calm 0	NE 1	10	10	051	* a. and at times all day.
15	29°444	29°357	35°	35°	34°	204	206	ESE 1	SSE 3	10	10	238	* all day. Wind rising at night.
16	29°103	29°114	36°	36°	34°	204	202	Why N 3	WNW 1	10	10	—	
17	29°067	28°981	31°	33°	31°	180	186	Calm 0	Why S 2	10	10	—	* a. Milder mid-day.
18	29°131	29°333	33°	31°	31°	181	176	WNW 1	Calm 0	10	10	050	* showers all day.
19	29°399	29°274	32°	34°	31°	183	177	Why S 1	S 3	10	10	037	* showers a. [late p.
20	29°089	29°113	32°	33°	32°	178	169	sw b.w. 3	NW 4	9	10	017	* 7a. Frequent * showers
21	29°157	29°321	32°	30°	30°	177	161	NNE 1	SE 1	10	10	010	* a. * 9p.
22	29°378	29°492	30°	30°	30°	162	89	SE 1	N by E 1	9	10	—	[day. * 9p.
23	29°519	29°681	28°	26°	23°	157	140	SW 1	N 1	10	10	097	* early a. * showers ga. and all
24	29°780	29°005	35°	29°	19°	147	100	SW 1	Calm 0	9	8	—	* 7a.
25	29°105	29°072	31°	31°	27°	142	105	NE 3	N 2	5	10	017	* showers from 11.30a.
26	29°109	29°160	31°	29°	29°	166	130	N by E 2	sw b.w. 3	10	0	021	* showers till ga. [5p.
27	29°978	29°820	33°	39°	29°	189	216	SW 1	WNW 2	10	10	010	Scotch early a. * ga.—9p.
28	29°717	29°775	40°	37°	37°	255	216	SW 1	N 4	10	10	237	Scotch * a. * all day. * 9p.
Means	29°538	29°540	34°	35°	32°	197	196	2°	2°	9°	8°	1°832	[with wind rising.

## OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.  
FEBRUARY 1879.

1	30°104	29°921	26°	25°	24°	103	71	E 3-4	E 2-3	10	10	370	* 0p. * 2 6.30p.—9p.
2	29°741	29°713	32°	35°	24°	170	204	E 1	ENE 1-2	10	10	150	* 2a. * 10.15a.
3	29°674	29°807	33°	33°	32°	189	167	NNE 4	NNE 4	10	10	010	* 0a. 30a. * a. and p., disappearing
4	30°018	30°058	32°	32°	31°	160	153	NNE 2	SE 1	10	10	—	* 8.45a. and 9.10a. [in evening.
5	29°882	29°591	32°	37°	30°	159	220	S 4	S-SSW 4	10	10	130	* Noon, changing to * towards 5p.
6	29°392	29°514	40°	41°	36°	247	237	SSW 6	SW 6-7	10	5	060	* 10a. * 2p.—2p. during day.
7	29°286	29°143	44°	43°	38°	284	238	S 6	SW 7-8	10	10	060	* n. and all day. [U 9p.
8	29°410	29°465	42°	44°	39°	256	285	SW 5	S 3	9	10	310	
9	29°229	29°118	48°	46°	44°	309	322	SSW 4	ESE 3	8	10	030	
10	28°943	28°813	42°	43°	41°	267	284	Calm 0	Calm 0	10	10	020	* ga. and 9p.
11	28°966	29°241	42°	38°	38°	270	188	SW 1	NNE 4	9	10	—	* 2a. * 9p. Wind NW 5p.
12	29°666	29°888	34°	37°	30°	176	199	NNW 3	WNW 1	9	10	—	* before ga. * 9p.
13	29°761	29°477	36°	40°	32°	209	256	ESE 2	SE 3	10	10	240	
14	29°472	29°625	42°	41°	40°	269	258	E 2	ENE 3-4	10	10	010	* a.
15	29°611	29°267	38°	38°	37°	228	232	SE 2	ESE 5	10	10	240	* ga., but cleared off by the aft.
16	29°113	29°124	37°	33°	33°	200	181	WNW 3	W 1-2	9	0	—	
17	29°017	28°995	32°	32°	29°	182	182	W 1	W 2	10	10	230	* 7.30a. * a. * 4.30p.—9p.
18	29°153	29°329	33°	33°	30°	176	186	WNW 2	E 0-1	10	10	120	* 2 till 10.30a. and 4p.—5p.
19	29°406	29°233	35°	35°	32°	188	199	WSW 3	S 2	7	10	100	* 2 before ga. * 6p.
20	29°073	29°172	32°	31°	31°	171	86	SW 2	WNW 1	9	4	050	* n. 1 in. deep at ga. * 3p.—5p.
21	29°195	29°316	31°	31°	26°	160	163	NNE 2	ENE 2	10	10	—	* or * showers.
22	29°356	29°508	29°	28°	27°	148	138	E 2	ENE 0-1	9	0	030	* 10.45a.
23	29°714	29°714	29°	29°	24°	151	146	W 3	N 2	10	4	110	* 7.30a.—9.45a. and 1.15p.—4.30p.
24	29°770	29°027	28°	24°	22°	154	117	S 0-1	NNE 1	10	3	160	* before ga. * a. * 2 ga.—4p.
25	29°135	29°107	29°	31°	20°	104	140	NNE 3-4	NNE 4	8	10	020	* showers.
26	29°154	29°181	33°	29°	29°	145	180	NNE 3	NW 2	10	1	090	* ga.—10a. U 9p.
27	29°068	29°815	36°	40°	28°	212	249	W 1	S 0-1	10	10	—	* a. and p. diminishing at mid-day.
28	29°704	29°839	40°	36°	36°	248	206	W 0-1	N 2	10	10	100	* very thick, 10a.
Means	29°527	29°535	35°	35°	31°	197	199	2°	2°	9°	8°	2°640	

## CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.  
FEBRUARY 1879.

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.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	26°	25°	25°	125	137	ESE 4	E 3	10	10	ins.	* 9a.—9p. Bitterly cold.
2	29°697	29°705	32°	36°	26°	169	208	E 2	E 1	10	10	120	* a. Snow lying. * with
3	29°684	29°841	33°	33°	32°	189	177	ENE 1	NE 3	10	10	005	* a. [thaw p.
4	29°685	30°068	31°	32°	30°	157	156	NNE 2	S 3	10	10	—	* a. * all day.
5	29°845	29°566	34°	41°	30°	181	251	97 S	SSW 4	10	6	167	* a. * p. later.
6	29°305	29°567	45°	44°	41°	243	237	79 SW	W 4	5	4	180	* a. Squally during day. p.
7	29°252	29°177	46°	41°	40°	288	231	93 S	W 3	10	7	290	[and frost all gone.
8	29°376	29°490	44°	44°	40°	234	275	81 W	S 3	5	10	390	( Mild but squally with * Snow
9	29°215	29°112	48°	47°	43°	301	299	88 SW	E 2	6	10	010	* a. * 9p.
10	28°950	28°845	42°	42°	39°	238	255	87 SW	SSW 1	5	10	002	* a. Mild. * 9p.
11	28°966	29°255	39°	41°	36°	232	248	96 SW	NW 2	8	10	002	
12	29°724	29°898	32°	33°	30°	169	174	92 N	NW 2	4	7	008	
13	29°695	29°693	35°	35°	33°	203	275	97 SE	SE 3	10	10	320	
14	29°464	29°637	42°	42°	40°	264	260	97 E	E 2	10	10	170	
15	29°598	29°318	39°	41°	38°	232	235	97 E	E 2	10	10	340	* a. * p.
16	29°158	29°119	37°	33°	33°	210	174	89 W	E 1	8	3	005	* a. * p.
17	29°013	29°036	32°	31°	30°	174	171	96 E	E 2	5	4	053	* a. * 2p. * 3p.
18	29°218	29°357	33°	33°	29°	170	184	90 W	W 2	7	10	164	* n. * a. * p.
19	29°409	29°338	34°	33°	32°	176	176	88 NW	NE 3	7	10	043	* a. * a. * p.
20	29°102	29°214	32°	29°	28°	149	145	79 W	SE 1	4	5	—	* before ga. * a. and p.
21	29°246	29°311	31°	32°	27°	157	155	89 W	NE 2	7	8	—	* a. * p. * 9p.
22	29°345	29°535	31°	31°	28°	147	163	84 ESE	SW 1	8	10	023	Threatening a. * a. and p. * 9p.
23	29°604	29°660	30°	30°	24°	160	145	93 W	N 3	10	5	044	* a. * p.
24	29°790	29°041	31°	26°	23°	143	127	81 W	SE 2	8	4	010	* a. * a. * p.
25	29°151	29°186	24°	24°	20°	106	163	80 WNW	NNE 4	10	10	—	* a. * a. and p. Bitterly cold.
26	29°230	29°217	33°	30°	28°	174	137	82 N	NW 2	8	5	—	* a. Mild. [ * 9p.
27	29°983	29°834	40°	43°	30°	236	239	95 W	W 1	8	7	079	* a. * ga. and 9p. Still mild.
28	29°661	29°864	42°	37°	36°	266	198	99 W	W 1	10	10	130	* a. * p. Mild.
Means	29°531	29°550	36°	36°	31°	196	201	90°	91°	8°	8°	2°740	

## AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.  
FEBRUARY 1879.

1	30°134	29°915	29°4	29°8	27°0	31°1	119	138	74	83	SE	2	SE	3	10	10	020	☼ <sup>0</sup> "hard" at night.
2	29°797	746	33°6	35°8	28°8	37°3	166	206	86	98	SE	2	SE	1	10	10	020	☼ before ga. ☼ <sup>0</sup> ☼ at times.
3	638	762	36°4	33°6	32°9	37°0	211	176	98	91	NE	1	NE	1	10	10	040	
4	936	046	32°8	32°6	31°9	36°3	176	154	94	84	NE	2	NE	2	10	10	—	
5	974	685	31°6	36°3	30°5	36°5	158	204	90	95	NE	1	SE	1	10	10	040	A little "hard" ☼ or pieces of ice.
6	515	587	44°0	42°6	35°5	50°1	261	247	90	90	SW	2	W	2	8	0	010	☼ <sup>2</sup> all day.
7	442	237	46°6	46°0	42°3	51°1	275	287	88	91	SW	4	SW	3	10	7	290	☼ <sup>2</sup> at night.
8	463	513	44°2	46°8	40°0	52°0	258	298	89	93	SW	3	SW	2	8	10	350	☼ <sup>2</sup> in afternoon.
9	29°321	29°166	50°8	49°5	46°3	53°6	325	316	87	90	SW	2	W	2	7	10	110	
10	28°981	28°813	47°6	44°0	44°8	51°1	317	284	97	95	SW	1	SW	2	10	10	720	☼ <sup>0</sup> ☼ at times.
11	28°982	29°269	46°3	38°6	38°5	51°0	293	303	94	87	SW	1	NW	2	7	10	570	☼ <sup>0</sup> ☼ at night.
12	29°596	886	36°9	39°6	35°2	43°1	197	208	90	85	NW	3	NW	2	7	0	010	☼ <sup>0</sup> ☼ at times p.
13	836	568	39°3	40°1	37°2	41°6	201	241	84	97	SE	2	SE	1	10	10	210	☼ <sup>0</sup> ☼ at times a. and p.
14	593	567	43°6	40°6	39°3	46°1	281	236	99	93	SE	1	SE	1	10	10	040	☼ <sup>0</sup> ☼ at times a. and p.
15	634	488	36°2	37°9	35°4	41°0	199	208	94	91	E	2	E	2	10	10	310	☼ <sup>0</sup> ☼ at times p.
16	29°070	29°097	35°8	38°6	35°3	42°3	199	208	96	89	NW	3	W	3	10	10	040	☼ <sup>0</sup> ☼ at times p.
17	28°997	28°997	33°6	33°6	29°3	40°1	182	176	94	91	NW	1	NW	2	9	8	060	☼ <sup>0</sup> ☼ at times p.
18	29°128	29°334	34°6	32°8	31°5	36°7	180	162	90	88	NW	2	NW	2	9	10	100	☼ <sup>0</sup> ☼ at times p.
19	411	284	35°1	33°3	31°2	38°1	196	176	96	91	NW	2	SE	1	10	10	210	☼ <sup>0</sup> ☼ at times p.
20	149	110	34°6	34°8	32°6	43°1	180	182	90	90	W	2	SW	3	7	10	010	☼ <sup>0</sup> ☼ at times p.
21	129	303	32°1	32°6	29°0	36°1	163	168	90	91	NW	2	NW	2	9	10	010	☼ <sup>0</sup> ☼ at times p.
22	353	488	32°8	32°6	29°2	37°1	154	152	85	83	NW	1	SE	2	5	10	010	☼ <sup>0</sup> ☼ at times p.
23	595	29°054	31°0	30°8	25°8	35°2	142	147	81	85	NW	2	NE	2	7	c	020	☼ <sup>0</sup> ☼ at times a. Clear and frosty at night.
24	29°787	30°033	28°0	32°6	20°0	40°3	131	128	86	69	N	1	NE	2	3	0	—	☼ <sup>0</sup> ☼ at times p.
25	30°028	29°975	33°0	32°8	27°6	36°0	152	167	81	90	NE	3	NE	3	0	10	020	☼ <sup>0</sup> ☼ at times p.
26	30°024	30°086	32°8	32°1	31°6	34°6	145	174	78	96	NE	4	NW	1	10	0	020	☼ <sup>0</sup> ☼ at times p.
27	29°997	29°807	32°6	37°6	39°7	39°1	172	219	93	98	SW	2	SW	1	10	10	030	☼ <sup>0</sup> ☼ at times p.
28	29°707	29°737	40°3	43°4	36°8	46°6	245	274	99	98	SW	1	SW	1	10	10	150	☼ <sup>0</sup> ☼ at times p.
Means	29°538	29°505	37°0	37°3	33°4	41°6	202	205	89°7	90°1	2°0	—	1°9	8°5	8°0	3°320	☼ <sup>0</sup> ☼ at times p.	



## CHELTENHAM.

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

FEBRUARY 1879.

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.	32°	29°	27°	35°	in.	in.	%	%	SE	SE	10	10	ins.	☉ ☌ 9a. and p. "Raw" day. ☐ p.
2	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	☌ before 9a.
3	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
4	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
5	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
6	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
7	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
8	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
9	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
10	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
11	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
12	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
13	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
14	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
15	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
16	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
17	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
18	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
19	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
20	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
21	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
22	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
23	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
24	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
25	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
26	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
27	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
28	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	8	080	
Means	29°53	29°53	38°	37°	32°	42°	211	209	89°	91°	1°	2°	8°	6°	2°	700

## CARMARTHEN.

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

FEBRUARY 1879.

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°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ before 9a. ▲
2	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
3	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
4	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
5	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
6	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
7	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
8	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
9	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
10	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
11	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
12	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
13	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
14	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
15	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
16	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
17	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
18	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
19	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
20	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
21	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
22	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
23	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
24	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
25	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
26	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
27	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
28	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	
Means	29°51	29°51	40°	38°	34°	45°	231	225	91°	92°	1°	1°	7°	7°	4°	949

## MARLBOROUGH.

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

FEBRUARY 1879.

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.	25°	29°	25°	30°	in.	in.	%	%	NE	E	10	10	ins.	☌ 9a. and p.
2	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
3	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
4	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
5	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
6	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
7	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
8	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
9	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
10	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
11	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
12	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
13	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
14	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
15	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
16	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
17	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
18	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
19	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
20	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.
21	29°03	29°49	32°	29°	27°	35°	184	158	100	98	SE	SE	10	10	ins.	☌ 9a. and p.



## RAMSGATE.

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

FEBRUARY 1879.

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.	28°	28°	26°	31°	in.	in.	69	87	E 4	NE 3	10	6	ins.	☐ 9p.
2	29°156	29°985	28°5	31°0	26°9	31°4	106	151	69	87	E 4	NE 3	10	6	ins.	☐ all day.
3	29°848	29°793	35°2	37°3	30°1	37°4	205	223	100	100	Calm	0	10	10	ins.	☐ before 9a.
4	29°608	29°680	37°8	36°5	35°8	39°0	227	216	100	100	NE 2	NE 5	10	10	ins.	☐ p.
5	29°917	30°101	34°4	33°8	32°2	37°6	186	174	94	89	NE 5	NE 2	10	10	ins.	☐ before 9a. Squally p.
6	30°029	29°787	32°0	35°4	30°9	35°8	151	203	83	98	S 2	S 6	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
7	29°632	29°691	42°8	42°4	34°7	46°8	273	260	100	96	S 3	SW 3	10	3	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
8	29°570	29°635	43°8	46°5	39°6	48°7	263	299	92	96	S 6	SW 6	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
9	29°428	29°483	43°0	46°3	40°1	52°6	258	312	93	99	SW 3	SW 5	4	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
10	29°283	29°348	47°7	43°9	51°6	34°0	331	288	100	98	SW 7	S 6	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
11	29°026	29°947	46°9	46°5	43°8	50°5	322	276	100	89	S 4	SW 8	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
12	29°061	29°207	45°8	46°2	44°1	50°7	284	287	93	93	SW 3	Calm	0	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
13	29°602	29°552	37°6	40°1	36°6	40°7	186	236	83	95	N 1	Calm	0	7	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
14	29°233	29°659	40°7	40°0	38°5	41°2	202	241	80	98	SE 3	SE 3	9	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
15	29°361	29°651	41°8	41°2	39°5	45°0	256	255	97	98	E 1	NE 1	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
16	29°051	29°530	37°2	39°5	34°0	41°5	210	208	94	86	NE 2	NE 3	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
17	28°999	29°132	40°0	38°8	35°7	41°2	235	202	95	86	NE 2	W 5	10	7	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
18	29°020	29°018	34°8	37°0	32°2	40°0	184	207	91	94	W 2	Calm	0	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
19	29°158	29°387	35°4	34°0	32°5	42°7	185	187	90	96	W 4	Calm	0	4	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
20	29°546	29°382	36°9	39°4	33°1	45°2	209	195	96	81	SW 4	SW 1	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
21	29°147	29°177	35°8	33°3	32°0	45°4	184	179	89	95	SW 2	SW 2	10	2	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
22	29°101	29°351	35°7	34°5	29°6	41°6	172	171	82	86	NE 2	NE 1	10	6	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
23	29°372	29°508	33°1	34°0	31°2	38°7	180	151	96	77	Calm	0	10	3	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
24	29°568	29°659	33°6	34°0	31°0	41°8	142	141	76	72	N 2	NE 2	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
25	29°816	29°003	33°6	34°9	30°2	39°0	149	143	77	70	NE 4	NE 3	5	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
26	29°958	29°886	34°6	34°2	32°1	36°4	199	191	98	97	N 4	NW 6	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
27	29°951	29°099	34°1	34°2	32°7	35°3	192	161	88	81	N 6	N 6	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
28	29°016	29°881	34°3	37°1	31°4	43°8	163	219	82	99	W 3	SW 1	5	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
29	29°752	29°814	39°0	41°2	36°4	47°7	238	259	100	100	SW 1	S 1	10	10	ins.	☐ before 9a. and p. ☐ 7.30p.-9p.
Means	29°570	29°593	37°8	38°5	34°7	42°7	211	217	90°9	91°4	2°9	2°9	9°1	8°8	3°220	

## SOUTHAMPTON.

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

FEBRUARY 1879.

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°049	29°866	28°4	33°8	28°3	33°8	141	186	91	95	ESE 4	SE 5	10	10	ins.	☐ 6.30a.-9a. ☐ 0 a. ☐ from 6.30p.
2	29°731	29°675	39°2	41°2	33°8	42°3	240	257	100	99	SE 1°5	SE 3	10	10	ins.	☐ nearly all day.
3	29°688	29°688	34°8	34°8	34°8	41°8	226	192	98	95	NE 2°5	NE 5	10	10	ins.	☐ nearly all day.
4	29°946	30°059	33°8	34°8	33°5	35°7	160	159	83	79	NNE 4	ESE 2°5	9	10	ins.	☐ a. and p.
5	29°965	29°702	36°3	41°8	33°7	41°8	170	260	79	99	S 3	SW 3	10	10	ins.	☐ a. and p.
6	29°573	29°687	45°9	45°6	41°8	49°5	302	257	98	85	SW 4°5	WSW 3	10	9	ins.	☐ a. and p.
7	29°432	29°309	45°8	46°6	42°5	48°6	305	297	99	94	SW 6°5	SW 5	10	10	ins.	☐ a. and p.
8	29°560	29°576	45°4	47°3	42°9	50°2	267	317	89	98	SW 3	SW 5	3	10	ins.	☐ a. and p.
9	29°379	29°170	48°1	49°7	46°7	49°7	336	357	100	100	SW 6	SW 7	10	10	ins.	☐ a. and p.
10	28°960	28°927	46°0	46°7	45°5	49°7	311	304	100	96	SE 2°5	SW 5°5	10	10	ins.	☐ a. and p.
11	29°000	29°170	45°7	45°6	44°7	48°7	301	304	98	100	SSW 2	Calm	0	10	ins.	☐ a. and p.
12	29°646	29°934	39°7	39°6	38°4	45°7	205	211	84	87	NNE 2°5	W 1°5	5	9	ins.	☐ a. and p.
13	29°785	29°481	40°7	46°0	37°5	46°0	248	301	97	97	SE 3°5	SE 3°5	10	7	ins.	☐ a. and p.
14	29°453	29°622	43°3	43°8	42°1	46°0	280	279	100	98	SE 3°5	E 2	10	10	ins.	☐ a. and p.
15	29°606	29°344	41°6	41°2	40°2	43°8	257	257	97	99	E 2	SE 3	10	10	ins.	☐ a. and p.
16	29°163	29°168	37°9	37°1	37°1	45°8	205	197	90	89	NW 3	SW 1	4	0	ins.	☐ a. and p.
17	29°993	29°050	38°3	35°0	35°0	42°2	219	192	95	94	NW 4	W 2	10	1	ins.	☐ a. and p.
18	29°196	29°392	34°6	36°6	32°6	42°6	187	203	93	94	WNW 2°5	NW 4	1	7	ins.	☐ a. and p.
19	29°518	29°262	35°9	34°8	33°4	43°2	190	200	89	99	SW 2	S 1	1	10	ins.	☐ a. and p.
20	29°148	29°224	35°6	32°8	32°6	41°7	193	178	92	95	SW 2	W 2°5	3	0	ins.	☐ a. and p.
21	29°116	29°303	33°1	30°2	30°2	38°3	176	155	94	92	NNE 4	Calm	0	9	ins.	☐ a. and p.
22	29°331	29°442	32°8	34°1	29°7	35°5	160	175	86	88	ENE 1°5	ENE 3	10	10	ins.	☐ a. and p.
23	29°589	29°616	30°3	30°8	29°9	36°6	129	155	76	90	N 2°5	NE 2°5	8	9	ins.	☐ a. and p.
24	29°807	29°967	29°8	30°1	25°7	37°0	119	113	72	67	N 2°5	ESE 3°5	6	0	ins.	☐ a. and p.
25	29°049	29°996	32°4	33°0	28°1	37°0	141	179	77	66	N 3°5	N 6	1	10	ins.	☐ a. and p.
26	29°064	29°175	33°8	34°4	33°0	36°6	142	162	73	81	NNE 6	N 3	10	5	ins.	☐ a. and p.
27	29°033	29°855	33°6	40°2	31°3	40°8	191	247	99	99	SW 1	SW 1°5	10	10	ins.	☐ a. and p.
28	29°742	29°752	41°3	43°7	40°2	46°3	260	283	100	99	S 1	SW 1°5	10	10	ins.	☐ a. and p.
Means	29°549	29°548	38°1	39°0	35°9	42°7	216	228	91°0	93°0	3°1	3°1	7°9	7°7	4°144	

## HASTINGS.

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

FEBRUARY 1879.

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.	29° 2	33° 4	27° 8	33° 4	in.	in.	°/o	°/o	ENE 2	ESE-SE 1	10	10	ins.	☼ <sup>0</sup> or Δ <sup>0</sup> p.	
2	30° 131	29° 969	29° 2	33° 4	27° 8	33° 4	123	161	77	85	S	ESE 1	10	10	°070	☼ <sup>0</sup> or Δ <sup>0</sup> p.	
3	29° 822	29° 768	38° 6	39° 8	37° 8	40° 1	232	242	99	100	S	ESE 1	10	10	°290	☼ <sup>0</sup> or Δ <sup>0</sup> p.	
4	29° 623	30° 068	33° 1	33° 7	32° 5	36° 5	226	203	98	98	NE 3	NNE 4-5	10	10	°185	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
5	29° 907	30° 025	33° 7	38° 2	30° 9	38° 5	163	141	87	73	NNE 4-5	NNE 2	10	10	°115	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
6	29° 770	29° 770	33° 7	38° 2	30° 9	38° 5	155	230	80	100	S	S	2	10	10	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
7	29° 640	29° 687	42° 8	43° 1	38° 1	44° 5	272	267	100	96	SSW 5	WSW 5-6	10	1	°070	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
8	29° 555	29° 555	44° 0	44° 5	41° 6	45° 5	272	280	94	95	SSW 5-6	SSW-WSW 5-6	10	10	°310	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
9	29° 571	29° 571	43° 6	43° 6	41° 5	45° 6	263	282	93	99	SSW 5-6	SSW 5	2	9	°350	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
10	29° 420	29° 233	45° 2	46° 5	42° 9	48° 0	269	314	100	99	SSW 5	SSW 5	10	10	°610	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
11	29° 009	28° 945	46° 1	44° 6	43° 1	47° 2	310	267	99	91	S	SSW-SW 7	10	10	°230	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
12	29° 038	29° 178	43° 2	45° 5	42° 1	46° 0	273	292	97	96	SW 2	Calm	0	10	°040	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
13	29° 598	29° 920	37° 8	36° 9	36° 4	45° 5	191	205	84	94	NNE 3	NNW 0-1	4	0	—	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
14	29° 896	29° 597	40° 1	42° 6	36° 2	42° 6	217	262	88	96	S	S	3	10	°460	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
15	29° 530	29° 384	43° 2	42° 9	41° 7	46° 5	273	265	97	96	S	NE 2	1	9	10	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
16	29° 617	29° 429	39° 2	40° 1	38° 3	43° 7	234	242	97	97	NE 2	S	1	10	10	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
17	29° 050	29° 147	39° 0	38° 0	37° 6	44° 0	216	206	91	90	NW 4-5	WNW 4	10	0	°060	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
18	28° 980	29° 018	38° 5	34° 8	34° 4	39° 0	221	200	95	99	Calm	0	WSW 2	10	0	°080	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
19	29° 171	29° 372	33° 7	33° 9	31° 4	41° 5	180	175	92	89	W	W	1	0	1	°030	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
20	29° 484	29° 343	37° 2	37° 6	33° 5	43° 6	178	213	81	95	W	4-5	S-SSW 3	1	10	°200	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
21	29° 167	29° 189	36° 5	32° 1	32° 1	43° 2	186	166	86	91	WSW 1-2	WSW 3	0	0	°095	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
22	29° 028	29° 316	40° 5	33° 9	30° 1	41° 1	235	177	94	90	W	0-1	NW 0-1	10	10	°080	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
23	29° 347	29° 451	30° 9	35° 4	29° 1	39° 0	163	177	95	86	NE 1	NE 2	3	9	—	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
24	29° 568	29° 609	32° 5	31° 1	29° 9	39° 4	153	155	83	88	N	0-1	NE 2-3	9	10	°060	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
25	29° 785	29° 949	30° 9	32° 7	27° 2	35° 0	139	144	80	77	NNE 0-1	NE 1-2	2	10	—	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
26	29° 959	29° 987	32° 8	33° 1	30° 7	35° 7	154	164	84	87	NNE 6	N	6-7	9	10	°010	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
27	29° 942	30° 076	33° 1	33° 9	32° 3	34° 1	144	143	76	73	NNE 6-7	N	5-6	10	10	—	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
28	29° 027	29° 889	31° 0	38° 4	29° 9	38° 5	181	228	100	99	NW 1	SW 0-1	10	10	°090	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	
29	29° 762	29° 776	41° 2	41° 5	38° 1	42° 2	257	260	99	99	SW	0-1	SSW 0-1	10	10	°060	☼ <sup>0</sup> or Δ <sup>0</sup> at times.
Means	29° 557	29° 564	37° 7	38° 1	34° 9	41° 4	211	216	90° 9	92° 1	2° 6	2° 7	8° 1	7° 9	3° 795	☼ <sup>0</sup> or Δ <sup>0</sup> at times.	



## BABBACOMBE.

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

FEBRUARY 1879.

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.	35°	42°	33°	42°	in.	in.	100	100	E 5	SSE 4	10	10	ins.	☼ till 9.45 a., then ☼ till 8.40 p.
2	29° 927	29° 718	35°	43°	33°	42°	203	272	97	99	SSW 1	ESE 2	10	10	290	
3	29° 660	29° 592	45°	43°	42°	46°	299	283	100	100	NE 2	NE 3	10	10	040	☼ till 9 a.
4	29° 539	29° 706	41°	36°	36°	43°	257	214	100	100	NNE 2	E 1	9	10	—	
5	29° 991	30° 081	33°	35°	32°	37°	168	171	88	83	NNE 2	E 1	9	10	—	☼ after 8 p. ☼ 8 p.—11 p. ☼ Midt. Squally.
6	29° 879	29° 676	38°	45°	35°	45°	220	304	94	100	SSE 4	WSW 3	10	9	190	
7	29° 550	29° 715	48°	43°	43°	53°	307	258	92	90	SW 6	SW 4	9	7	350	
8	29° 351	29° 319	49°	45°	43°	50°	348	270	89	89	SW 6	WSW 6	10	5	090	
9	29° 545	29° 487	47°	47°	42°	52°	284	327	89	100	WSW 5	S 4	2	10	630	☼ 1.45 p.—2.15 p. Scotch ☼ p.
10	29° 334	29° 110	50°	49°	45°	51°	345	349	96	99	SW 5	SW 6	10	10	370	
11	28° 896	28° 946	45°	46°	43°	49°	305	297	100	96	ESE 2	SW 5	10	2	520	Scotch ☼ a. Squally p.
12	28° 953	29° 138	46°	44°	44°	50°	305	287	97	97	SSW 3	E 1	10	9	180	
13	29° 687	29° 025	38°	39°	38°	47°	199	227	86	93	N 2	Calm	10	1	140	☼ p. ☼ before 9 a.
14	29° 657	29° 373	43°	43°	37°	49°	278	273	100	95	SSE 4	S 4	10	7	900	
15	29° 386	29° 557	44°	43°	42°	51°	292	270	98	98	SSE 2	NE 1	9	6	010	☼ 1.15 p.—3 p. ☼ a.
16	29° 595	29° 282	42°	42°	42°	45°	271	265	100	96	E 1	SSW 2	10	10	150	
17	29° 254	29° 162	42°	39°	36°	48°	204	216	74	88	WNW 3	SSW 1	1	10	110	☼ p. ☼ after 9 p. 2.10 p.—2.25 p. ☼ ☼ [10 a.]
18	29° 070	29° 112	45°	35°	35°	49°	231	188	77	92	NW 2	WSW 4	3	1	080	
19	29° 255	29° 452	40°	37°	33°	45°	197	196	80	88	WNW 3	WSW 4	4	4	080	☼ ☼ showers till 4 a., at 8 a., and 11.40 p.
20	29° 559	29° 218	40°	37°	34°	46°	196	203	79	92	WSW 3	WSW 3	1	6	060	
21	29° 143	29° 239	38°	35°	32°	46°	188	189	81	91	WSW 1	SW 2	1	10	100	☼ ☼ showers n. and noon—3.30 p. ☼ 1.5 p. ☼ 2 to 9.30 p. ☼ 11 p.
22	29° 250	29° 282	35°	36°	34°	45°	175	196	84	92	NNW 2	SW 1	6	6	020	
23	29° 297	29° 435	35°	36°	32°	42°	200	177	96	82	NNW 1	NE 3	9	10	070	☼ ☼ with squally n. ☼ p. ☼ a. ☼ 9.45 a.—10 a.
24	29° 637	29° 633	34°	35°	30°	43°	146	146	74	70	NNW 2	N 5	1	10	050	
25	29° 820	29° 889	31°	35°	29°	38°	139	146	76	69	NNE 3	E 5	6	5	—	☼ a. ☼ 1 p. ☼ 3.25 p.—3.30 p. ☼ 2.30 p.—2.55 p. ☼ ☼ 3.25 p. ☼ 6.45 p.
26	30° 093	30° 060	31°	33°	28°	37°	098	147	55	75	NNE 5	N 4	7	10	—	
27	30° 147	30° 234	34°	33°	32°	39°	148	147	75	78	N 4	NNW 2	9	0	020	Squally n. ☼ p. ☼ 9.20 p. Thawing 10 a.—5 p.
28	30° 026	29° 855	42°	43°	31°	53°	251	273	94	95	W 1	Calm	10	9	040	
29	29° 721	29° 835	44°	39°	38°	49°	290	208	98	88	SW 1	N 3	10	10	070	☼ a. ☼ p. ☼ ☼ to 8 a. and at sea till 1.15 p., when [it went off to the E.]
Means	29° 544	29° 537	41°	40°	36°	46°	234	232	88°	90°	2°	3°	7°	7°	5°	

## ST. AUBIN'S, JERSEY.

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

FEBRUARY 1879.

1	29° 983	29° 866	36° 5	41° 3	33° 6	41° 3	200	245	93	95	E by S 4	SSE 3	10	10	*203	☼ n., a., and occasionally p. Scotch ☼ a. ☼ 9p.
2	*783	*675	44° 7	44° 0	40° 0	49° 3	286	283	96	98	S 2	SE 1	9	10	*448	
3	*493	29° 638	45° 1	41° 5	40° 7	47° 9	296	250	98	95	SW 3	NE 3	10	10	*110	
4	29° 928	30° 093	38° 0	36° 1	34° 8	41° 9	208	169	91	79	NE 3	NE 1	10	7	—	
5	30° 032	29° 837	36° 4	45° 0	34° 4	45° 0	176	280	82	94	SE 3	SW 3	10	10	*158	Coloured ☼ 0 9a.
6	29° 748	*847	47° 6	45° 5	43° 1	51° 8	290	289	89	95	SW 5	W by S 4	9	10	*039	Squally ☼ 0 9p.
7	*599	*517	47° 9	47° 4	44° 0	50° 3	318	286	96	88	S 4	SW 6	10	10	*059	☼ 0 1p.
8	*717	*678	46° 3	47° 3	43° 0	52° 8	270	304	87	94	WSW 3	S 3	2	10	*220	Coloured ☼ 9.10a.—11a. Fine, warm
9	*534	*308	49° 9	49° 7	45° 8	51° 0	333	336	93	94	SW 4	SW 2	10	10	*730	Very mild. [in the sun.
10	*015	*093	48° 0	46° 8	44° 5	50° 3	322	275	97	86	S by E 2	SW 3	10	0	*091	☼ 3.50p.
11	*075	*184	46° 2	46° 4	44° 0	51° 2	281	287	91	91	S 3	S 1	4	9	*138	☼ 0 10a.
12	*629	*983	42° 5	40° 9	37° 8	46° 8	248	227	91	89	NNE 3	Calm	10	10	*044	
13	*825	*524	42° 4	45° 0	40° 1	47° 2	259	275	95	92	SE 5	S 3	10	2	*320	
14	*446	*522	45° 0	46° 4	43° 2	48° 7	275	264	92	84	S 2	NE 2	8	10	*018	
15	*620	*440	44° 8	44° 2	41° 5	50° 1	283	270	96	93	NNE 1	WNW 3	10	10	*143	☼ at times. [ < 9.30p.
16	*331	*288	46° 1	43° 0	40° 2	51° 3	221	264	71	95	WNW 3	WNW 1	7	10	*201	☼ 8.20a. and 11a. Very fine at times p.
17	*144	*185	46° 4	41° 6	38° 3	51° 7	260	210	83	80	W 3	W by N 2	7	10	*065	< in SE. 5.40p. ☼ 7.45p. and later.
18	*328	*538	40° 0	40° 5	37° 4	43° 9	207	197	84	79	NW 2	WNW 2	6	8	*212	☼ 4.20a. ☼ 9.20a. and 9.10p.
19	*660	*382	43° 7	41° 0	36° 3	51° 0	200	221	70	86	WNW 3	SW 5	3	10	*463	☼ 7.27a.
20	*219	*349	40° 4	41° 2	36° 3	46° 9	203	227	81	89	SW 3	W 3	10	5	*389	☼ at times. ☼ 0.30p. ☼ 4.25p.
21	*261	*353	43° 2	38° 5	36° 2	46° 9	200	219	72	94	NW 5	W 1	7	4	*194	☼ 2.05a.—1.5a. (1.25 in. of ☼ in [10 min.] ☼ at times p.
22	*314	*393	43° 4	37° 6	35° 2	47° 5	232	206	82	91	SW 3	SE 1	5	3	*260	☼ showers n. and a. ☼ 0 p.
23	*597	*623	37° 9	33° 1	32° 4	43° 0	195	170	86	90	N by E 3	N 2	8	7	*066	☼ ☼ early a. ☼ 2 from 3p. ☼ 8.45p.
24	*770	*861	34° 0	35° 1	30° 4	36° 5	160	131	81	64	NE 2	NE 3	10	8	*014	☼ n. and at times during day.
25	29° 981	29° 974	35° 2	36° 3	31° 3	38° 8	163	146	79	67	NE 3	NE 5	8	10	*009	☼ 8.15a. Bitter NE. wind. ☼ 0
26	30° 058	30° 202	36° 9	38° 0	35° 0	38° 0	164	145	75	63	NNE 4	NNE 3	10	10	*038	☼ 9.15a. Bitter NE. wind. [9.20p.
27	30° 116	29° 929	39° 4	44° 0	34° 7	46° 3	232	279	96	97	NW 1	Calm	10	10	*292	Scotch ☼ p. ☼ at night.
28	29° 806	29° 816	44° 6	45° 2	42° 8	47° 9	205	301	100	100	WSW 2	SW 1	10	10	*127	Scotch ☼ a. ☼ all day.
Means	29° 608	29° 610	42° 6	42° 2	38° 5	46° 9	*242	*241	87° 4	87° 9	3° 0	2° 4	8° 3	8° 3	5° 051	

## LONDONDERRY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

FEBRUARY 1879.

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.	32°	33°	31°	33°	in.	in.	100	98	SE 4	ESE 4	10	10	ins.	✱ 1p.—10p.	
2	29° 966	29° 812	32°	34°	31°	34°	186	185	100	99	NE 2	Calm	8	10	350	✱ showers during the day.	
3	708	702	35°	35°	34°	37°	209	205	100	100	E 2	Calm	10	10	040	Thaw set in p.	
4	764	925	33°	36°	33°	37°	178	190	91	89	Calm	S 1	5	10	150		
5	466	259	43°	42°	35°	43°	271	268	95	97	S 2	SSW 1	10	2	150		
6	028	314	43°	43°	41°	48°	244	269	86	97	SW 3	W 2	4	4	—	Fine.	
7	049	043	43°	42°	42°	46°	260	241	92	89	SW 2	W 1	3	8	150	Fine.	
8	189	321	40°	34°	34°	43°	236	196	93	97	WSW 2	Calm	10	3	020	☼ during day. ☼ 10 p.	
9	29° 148	29° 061	35°	36°	33°	40°	196	201	93	92	E 1	Calm	6	1	090	Fine.	
10	28° 900	28° 866	41°	42°	36°	44°	253	259	97	97	NE 1	E 1	10	10	—	☼ all day.	
11	29° 016	29° 381	41°	41°	40°	44°	256	244	96	93	Calm	Calm	10	10	010		
12	694	834	39°	35°	35°	44°	217	196	89	95	W 1	E 1	1	0	—	Fine.	
13	536	381	40°	40°	34°	41°	211	232	84	93	SE 2	E 1	10	10	010	☼ 0 10 noon—2p.	
14	560	620	39°	39°	38°	42°	223	224	92	91	NE 2	E 2	10	10	—	☼ p.	
15	389	067	42°	38°	38°	44°	244	224	91	96	S 2	Calm	10	10	330		
16	29° 119	29° 015	37°	37°	34°	43°	213	174	94	76	SW 2	SE 1	6	0	150		
17	28° 912	28° 984	34°	35°	34°	39°	187	194	93	95	SW 1	W 1	6	1	—	Fine.	
18	29° 165	29° 262	34°	37°	32°	40°	184	205	91	93	E 1	S 1	10	10	100	☼ 0 a. ☼ 0 from 7p.	
19	296	166	35°	31°	31°	40°	188	159	91	90	WSW 3	Calm	6	0	—	☼ all day.	
20	116	186	31°	33°	33°	28°	158	175	91	90	Calm	Calm	10	10	—		
21	224	203	33°	35°	29°	40°	170	191	88	93	SE 2	Calm	8	6	010	☼ 0 p.	
22	331	666	34°	35°	32°	38°	188	181	96	87	Calm	Calm	10	0	030	☼ all day.	
23	795	29° 921	37°	37°	34°	41°	191	192	84	84	NE 3	N 2	3	0	010	☼ showers a.	
24	29° 966	30° 188	39°	33°	32°	41°	191	131	83	68	NNE 3	NE 1	9	0	—		
25	30° 294	298	31°	32°	27°	38°	147	175	82	94	W 1	Calm	10	0	—	☼ p.	
26	30° 258	30° 087	32°	40°	27°	40°	172	245	94	98	SW 2	W 1	10	10	020		
27	29° 914	29° 740	45°	42°	40°	49°	287	257	96	93	S 2	SW 1	10	10	030	☼ ga. and before.	
28	29° 780	29° 916	36°	37°	34°	45°	199	211	91	93	SW 3	W 1	6	4	010		
Means	29° 485	29° 500	37°	37°	34°	41°	209	208	91°	92°	1°	0°	7°	5°	1°	750	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## DUBLIN.

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

FEBRUARY 1879.

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.	33°6	36°0	32°6	36°0	in.	in.	86	91	SEb.E 5	SE 5	10	10	ins.	[Immense flakes of * <sub>5p</sub> . Δ <sub>5p</sub> . * <sub>2</sub> a. Thaw, * changing to ● * <sub>5p</sub> .
2	29°888	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	E by S 3	SE 3	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
3	29°686	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	E 2	NE 3	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
4	29°065	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	E 2	SSE 4	10	4	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
5	29°571	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	S 1	WSW 3	10	6	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
6	29°227	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	WbyS 4	WSW 4	5	8	ins.	Squally early a. and 11p.
7	29°133	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	WSW 2	WbyN 5	6	9	ins.	Squally early a.
8	29°04	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	WSW 3	SSE 2	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
9	29°114	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	NW 1	ESE 2	10	10	ins.	Brilliant sunrise. ○ p. ~ <sub>5p</sub> and p.
10	28°897	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	SE 1	E 2	7	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
11	28°966	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	ENE 2	NNE 3	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
12	29°734	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	W 1	S 1	9	7	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
13	29°509	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	SE 4	ESE 3	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
14	29°468	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	E 3	E 2	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
15	29°463	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	SSE 1	W 3	9	4	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
16	29°208	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	WbyN 3	Calm 0	1	6	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
17	28°973	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	W 3	W 3	5	6	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
18	29°200	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	W 3	W 3	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
19	29°389	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	W 3	Calm 0	2	8	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
20	29°122	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	WNW 2	ESE 3	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
21	29°260	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	Calm 0	E 2	3	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
22	29°301	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	NW 2	N 2	2	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
23	29°739	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	NW 3	NNW 4	7	3	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
24	29°897	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	NNW 4	NE 5	7	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
25	29°249	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	NE 2	NNE 3	5	1	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
26	29°313	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	WNW 2	WSW 5	3	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
27	29°986	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	WSW 3	WSW 3	10	10	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
28	29°806	29°695	33°6	36°0	32°6	36°0	in.	in.	86	91	W 3	NW 2	10	0	ins.	~ <sub>5p</sub> and p. ~ <sub>5p</sub> and p.
Means	29°500	29°502	39°2	40°0	36°5	43°7	2°17	2°18	89°0	87°4	2°4	2°9	7°8	7°7	3°706	

## PARSONSTOWN.

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

FEBRUARY 1879.

1	29°793	29°579	33°9	36°5	31°4	37°5	1°59	1°97	81	92	SSE 4	ESE 5	10	10	272	✱ before ga.
2	29°595	29°557	36°4	39°1	34°0	42°3	2°07	2°29	96	96	ENE 3	NNE 2	10	10	032	
3	29°671	29°722	40°1	38°6	38°0	41°9	2°40	2°22	97	95	NE 2	NNE 1	10	10	—	
4	30°085	29°867	30°8	37°3	29°5	42°0	1°68	1°97	97	89	Calm 0	SSE 3	10	10	313	
5	29°543	29°394	46°9	42°7	37°0	53°8	2°92	2°52	92	92	SSW 2	SSW 3	5	7	303	
6	29°671	29°434	44°6	44°9	41°3	51°1	2°67	2°63	91	89	WSW 2	S 3	1	10	048	U 9p.
7	29°122	29°186	46°6	39°9	39°2	50°4	2°96	2°35	94	96	Calm 0	SW 3	2	6	169	
8	29°322	29°267	41°9	41°7	37°0	48°7	2°55	2°36	96	90	WSW 3	SE 1	6	10	488	O 3.30p.
9	29°118	28°963	42°1	47°9	40°9	51°4	2°95	3°20	97	97	Calm 0	SSE 2	10	10	130	
10	28°839	28°813	45°9	42°5	40°1	49°0	2°39	2°57	96	94	SE 1	SSE 1	10	9	430	
11	28°924	29°362	42°2	43°3	41°3	46°2	2°61	2°65	96	95	NNE 1	NW 3	10	10	002	☼ ga.
12	29°753	29°810	39°6	38°5	36°0	49°0	2°37	2°12	97	91	Calm 0	Calm 0	7	2	060	
13	29°364	29°211	43°9	44°6	37°7	51°9	2°56	2°69	89	92	SE 5	Calm 0	10	5	157	☼ ga.
14	29°451	29°609	43°4	40°9	40°6	47°3	2°70	2°45	96	96	NNE 1	Calm 0	10	10	061	
15	29°401	29°179	42°8	36°9	36°1	48°3	2°64	2°05	96	94	SSW 1	SW 2	9	1	108	
16	29°241	29°038	37°5	36°4	34°0	46°9	2°05	2°05	87	95	SSW 2	SSW 3	1	10	178	
17	28°988	29°056	33°8	33°0	31°6	40°4	1°84	1°80	94	96	WSW 2	SSW 3	5	5	159	✱ a. and p.
18	29°207	29°030	35°0	35°9	30°5	45°4	1°94	1°92	95	91	WSW 3	WSW 3	8	2	158	
19	29°400	29°163	33°5	30°6	29°3	39°9	1°87	1°59	93	93	SSW 2	Calm 0	10	1	012	✱ p.
20	29°133	29°066	31°1	33°4	27°2	36°4	1°66	1°77	96	93	NW 0°5	SW 3	10	5	129	
21	29°248	29°221	30°9	34°4	26°2	40°5	1°63	1°87	94	94	SSE 2	SSW 1	5	4	036	
22	29°326	29°622	31°4	31°9	30°0	35°5	1°65	1°64	94	91	Calm 0	NNE 1	10	0	001	☼ ga. and before.
23	29°832	29°925	36°3	33°4	26°7	42°8	1°64	1°67	76	87	NNW 3	NNW 2	1	0	—	
24	29°978	29°095	35°7	33°3	29°3	43°7	1°76	1°45	83	76	NNW 4	NNW 3	1	0	—	
25	30°273	29°399	29°1	32°0	25°0	40°5	1°43	1°51	90	83	NNW 0°5	SSW 2	1	10	—	
26	30°319	30°197	31°6	42°1	26°0	44°4	1°64	2°55	92	95	SSE 0°5	SSW 3	10	10	001	
27	30°006	29°813	46°5	43°1	41°9	51°0	3°05	2°63	97	94	WSW 1	Calm 0	10	10	034	
28	29°838	29°968	35°0	30°7	30°3	46°9	1°96	1°51	96	88	WSW 0°5	NW 0°5	9	1	008	
Means	29°498	29°498	38°2	38°1	33°9	45°1	2°19	2°14	92°8	91°9	1°6	1°9	7°2	6°3	3°289	

## MARCH.

## LAUDALE.

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

MARCH 1879.

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°890	29°8	36°0	28°9	45°2	in.	in.	66	82	E 1	SW 4	0	10	ins.	~ 9a. and p. ~ 2p.
2	30°011	29°890	36°5	43°0	29°8	50°0	1°108	1°175	79	71	SW 5	SW 5	10	10	1°380	~ a. and op.	
3	29°685	29°685	36°5	43°0	29°8	50°0	1°170	1°197	79	71	SW 5	SW 5	10	10	1°020	~ 9a. and p. ~ op. and before	
4	29°575	29°638	36°2	42°0	35°6	45°0	1°202	1°235	85	85	WSW 8	WSW 5	10	10	1°680	[Large U, mostly white.	
5	29°346	29°529	51°0	46°0	36°2	51°0	1°209	1°265	80	86	SW 8	WSW 10	10	10	1°220	~	
6	29°387	29°435	50°4	43°0	39°8	50°4	1°204	1°215	81	78	WSW 5	SW 9	10	4	1°320	~	
7	29°937	30°036	44°6	44°0	40°2	47°0	1°204	1°224	69	77	WSW 3	WSW 6	10	9	1°320	~	
8	30°310	29°426	48°1	48°0	39°7	50°0	1°246	1°285	73	86	SW 5	SW 4	9	7	—	~	
9	29°396	29°180	42°8	47°0	40°4	50°0	1°233	1°275	81	86	S 5	S 5	5	9	—	~	
10	29°131	29°184	44°2	45°0	38°2	54°0	1°232	1°214	80	72	NE 6	NE 5	5	6	1°170	~	
11	29°107	29°036	45°3	40°0	30°4	47°0	1°239	1°207	79	84	SW 6	N 5	10	10	1°230	~	
12	30°277	29°012	33°0	43°0	32°8	46°0	1°169	1°257	90	93	Calm 0	W 6	0	8	1°440	~	
13	29°775	29°287	47°4	33°8	28°7	47°4	1°270	1°141	83	72	WNW 8	WNW 4	10	7	1°180	~	
14	30°366	30°318	34°3	29°0	22°6	35°0	1°182	1°130	92	82	Calm 0	E 4	10	0	1°550	~	
15	30°228	29°918	28°0	29°0	28°0	44°8	1°123	1°130	80	82	E 1	E 4	10	9	1°410	~	
16	29°555	29°609	31°0	35°0	28°0	35°0	1°153	1°184	88	90	E 6	E 5	10	10	1°400	~	
17	29°839	29°961	34°0	34°0	30°0	38°0	1°176	1°176	89	89	ENE 3	E 2	3	0	—	~	
18	30°062	29°858	32°5	35°0	31°6	38°0	1°170	1°184	92	90	ENE 3	ENE 2	3	10	—	~	
19	29°807	29°678	36°0	38°0	32°5	41°5	1°203	1°218	96	96	Calm 0	SE 1	10	10	1°020	~	
20	29°799	29°898	39°8	35°0	29°8	46°5	1°232	1°174	96	75	Calm 0	Calm 0	10	6	—	~	
21	30°009	30°022	38°5	40°0	31°1	47°8	1°174	1°226	75	92	Calm 0	Calm 0	0	7	—	~	
22	29°961	29°917	36°7	37°2	35°0	45°0	1°206	1°218	95	98	Calm 0	NE 2	10	9	—	~	
23	30°070	30°098	41°2	34°2	30°9	43°0	1°255	1°174	98	87	E 4	E 4	5	0	—	~	
24	29°152	29°151	38°0	34°0	30°0	42°5	1°208	1°176	91	89	E 5	E 4	0	0	—	~	
25	29°183	30°156	34°8	35°0	31°2	38°5	1°186	1°184	92	90	E 4	E 3	5	6	—	~	
26	30°110	29°904	34°0	35°0	30°3	38°5	1°176	1°188	89	92	E 4	E 5	6	6	—	~	
27	29°905	29°869	34°0	35°0	30°0	40°8	1°192	1°194	98	95	E 5	E 4	7	3	—	~	
28	29°873	29°756	33°5	31°5	28°8	38°2	1°176	1°166	92	94	E 3	E 3	2	6	—	~	
29	29°672	29°993	34°0	35°0	31°5	40°0	1°178	1°188	90	92	E 2	SSE 7	4	10	1°320	~	
30	29°379	29°391	45°2	42°0	34°0	48°0	1°231	1°190	77	72	SW 3	S 4	9	8	1°540	~	
31	29°172	29°243	43°0	44°0	39°5	47°0	1°234	1°244	84	84	S 7	S 3	10	8	1°510	~	
32	29°330	29°291	43°0	41°0	37°0	47°9	1°215	1°235	78	92	S 2	S 1	5	10	1°880	~	
Means	29°883	29°855	38°7	38°5	32°7	44°5	1°203	1°202	85°1	85°6	5°6	4°1	6°5	7°0	7°510		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 10' N.  
MARCH 1879.

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°	37°	31°	44°	in.	in.	%	%	NW	3			ins.		
2	30°029	30°084	41°	37°	31°	44°	217	205	85	90	SW	4	3	1	257	9p. ☐	
3	30°066	29°794	42°	40°	38°	45°	227	245	86	89	SW	4	9	10	084	9p. ☐	
4	30°077	29°779	44°	40°	39°	46°	213	205	86	82	WSW	4	7	0	005	a. and p.	
5	29°660	29°800	47°	41°	41°	47°	269	297	91	96	SW	6	10	10	020	a. and p.	
6	30°108	30°202	42°	46°	38°	46°	227	269	85	87	SW	8	10	0	—	a. Nearly clear at 10p.	
7	30°448	30°574	47°	35°	35°	52°	273	204	85	100	Calm	0	2	9	—	a. 6p. to 7.30p. ☐ 9p.	
8	30°594	30°377	39°	45°	32°	52°	245	217	100	72	Calm	0	10	0	—	9a. and before. Double ☐ very	
9	30°331	30°371	46°	43°	36°	51°	281	221	89	77	WSW	1	10	3	—	p. [distinct for 20 minutes. ☐	
10	30°290	30°163	44°	42°	42°	47°	259	256	90	96	WSW	4	10	10	070	☐	
11	30°350	30°263	42°	42°	37°	47°	239	235	87	89	NW	2	2	10	036	☐	
12	29°883	29°244	48°	33°	33°	53°	301	151	88	79	W	6	10	1	—	(force 8 at 3p. but lulled to 3 by	
13	30°376	30°258	38°	39°	28°	44°	157	203	68	86	N	2	0	0	067	p. ☐	
14	30°197	29°936	31°	34°	30°	39°	163	198	91	100	E	3	10	10	057	* a. and p. * ☐ p.	
15	29°605	29°448	43°	44°	33°	45°	230	271	82	92	SW	4	7	9	314	☐ 9a. * 2 3.30p. to 4.30p. ☐	
16	30°617	30°898	37°	34°	32°	44°	209	195	93	99	NE	3	10	10	619	* to Noon. ☐ * Noon—5.30p.	
17	30°981	30°886	33°	41°	33°	43°	193	255	99	99	ESE	8	10	10	290	a. ☐ 11a. ☐	
18	30°810	30°665	41°	43°	32°	44°	255	270	99	98	SE	1	10	0	340	☐ a. and p. ☐	
19	30°769	30°864	38°	40°	30°	47°	233	209	100	85	NE	1	10	0	—	☐ 9a. ☐ p.	
20	30°917	30°987	39°	37°	31°	46°	228	208	93	94	SW	1	10	0	—	a.	
21	29°969	29°907	43°	40°	31°	47°	233	211	83	85	NNW	3	7	4	017	☐	
22	30°004	30°029	37°	35°	35°	40°	180	153	82	75	ENE	4	8	4	—	☐ all day.	
23	30°061	30°088	35°	32°	32°	40°	157	157	75	84	E	6	4	4	—	* a. and p. ☐ during day. * 9p.	
24	30°054	30°063	33°	32°	31°	40°	153	139	81	75	E	6	9	9	—	* a. and p. ☐	
25	29°985	29°831	32°	32°	30°	40°	141	147	77	81	ESE	7	8	10	—	* n. 1 in. deep at 9a. ☐ 6p. ☐ 2	
26	30°750	30°750	33°	33°	30°	35°	153	150	79	78	E	8	10	3	—	☐ 4p.—5p. ☐	
27	30°708	30°720	34°	32°	32°	36°	152	179	78	96	E	6	10	10	090	☐	
28	30°714	30°435	35°	37°	32°	40°	189	215	91	96	ESE	3	9	10	333	☐	
29	30°507	30°559	44°	42°	36°	48°	227	239	76	90	WSW	4	3	6	050	☐	
30	30°410	30°409	46°	43°	41°	48°	272	257	86	93	S	5	9	10	011	☐	
31	29°452	29°482	47°	42°	40°	49°	276	237	86	88	SSW	4	7	5	—	☐	
Means	29°935	29°928	40°	39°	34°	45°	221	213	86°	88°	3°	3°	7°	5°	2°	660	☐

## WAKEFIELD.

Height above Mean Sea Level, 96 feet. Long. 1° 30' W. Lat. 53° 41' N.  
MARCH 1879.

1	29°923	30°107	36°	35°	32°	44°	184	192	84	93	W	1	WSW	2	0	3	—	☐ 10.55p. and 11.32p.
2	30°040	29°910	40°	39°	30°	48°	210	197	85	80	W	1	W	3	4	3	—	(green). ☐ 11.40p.
3	29°779	29°927	38°	37°	37°	45°	219	195	93	87	WSW	3	W	4	8	1	—	Rough ☐ n. ☐ only one colour
4	29°872	29°822	43°	50°	36°	50°	240	303	84	84	SW	6	W	6	7	3	—	Very large ☐. ☐ 5.12a. and 5.27a. [colours very bright.
5	29°820	29°780	51°	44°	42°	53°	316	226	83	77	WSW	5	W	6	9	5	050	Double ☐ 0.42a. Rough ☐ n. ☐ [10.10p.
6	30°127	30°225	42°	43°	40°	50°	223	206	84	74	SW	3	W	4	4	6	—	Still looks wild and threatening 9a.
7	30°474	30°593	45°	39°	38°	53°	252	218	84	91	SW	3	W	2	5	0	—	☐ 10.53p. ☐ 0 9a.
8	30°586	30°461	37°	40°	37°	56°	210	239	92	96	S	2	NW	1	2	0	—	☐ 1.47a. ☐ 0 9a.
9	30°353	30°345	45°	47°	42°	53°	264	279	88	86	W	2	W	7	3	4	—	Rough and wild in past n. [4.45a.
10	30°294	30°140	44°	46°	43°	52°	250	289	86	92	W	7	W	2	6	10	—	Looks wild and threatening 9a. ☐
11	30°300	30°260	41°	42°	36°	48°	201	209	78	78	WNW	2	W	2	4	10	—	Rough ☐ n. ☐ 5.50a. Meteor
12	29°820	29°169	49°	35°	35°	54°	303	205	87	97	WSW	7	N	2	10	10	020	Meteor, 0.24a. [11.58p.
13	30°365	30°284	34°	30°	33°	44°	188	155	95	93	W	3	NNW	2	1	10	110	* a. and p.
14	30°235	29°977	28°	32°	26°	34°	133	179	84	98	WSW	1	ESE	2	10	10	100	☐ 9p.
15	29°079	29°502	43°	45°	42°	47°	223	252	80	84	SSW	4	SSW	2	10	10	080	* showers during day.
16	29°645	29°071	38°	33°	33°	45°	188	188	97	97	NNE	2	ENE	2	10	10	—	☐ 9p.
17	30°135	29°989	33°	40°	32°	40°	193	244	99	98	E	2	SSE	1	10	10	270	☐
18	29°947	29°733	43°	44°	40°	51°	272	273	97	92	SSE	1	SSE	1	10	4	—	☐ 9a.—11.40a., then fine and sunny.
19	29°794	29°866	39°	40°	36°	53°	238	247	100	99	SSE	1	ESE	1	10	3	—	☐
20	29°977	29°950	40°	40°	37°	45°	242	242	97	97	NNE	2	NNE	1	10	4	—	☐
21	29°961	29°965	38°	38°	37°	44°	207	214	90	93	N	1	ENE	1	10	10	130	☐
22	30°000	30°002	34°	34°	33°	39°	156	152	78	75	NNE	3	ENE	4	10	10	—	☐
23	29°071	29°087	35°	33°	33°	39°	125	98	67	E	4	ENE	4	7	10	10	—	☐ 9p.
24	29°091	29°033	31°	31°	31°	35°	178	176	98	99	ENE	4	ENE	4	10	10	—	* 9a. and before.
25	29°004	29°027	32°	32°	30°	33°	179	169	99	92	E	5	ENE	4	9	10	030	* 9a.—9p.
26	29°822	29°771	31°	32°	30°	34°	168	182	96	99	E	3	ENE	3	10	10	080	☐
27	29°727	29°711	32°	32°	31°	34°	176	176	97	97	NE	2	NNE	1	10	10	090	☐
28	29°734	29°635	34°	36°	31°	36°	179	184	90	84	N	1	NNE	2	10	10	060	☐
29	29°546	29°672	46°	42°	36°	53°	243	239	79	89	SSE	2	WSW	3	10	4	070	☐
30	29°558	29°554	46°	41°	40°	52°	243	214	75	82	SW	4	WNW	2	9	2	—	☐ 4p.—4.10p. then sunny. Double ☐ 4.15p.
Means	29°976	29°965	39°	39°	34°	46°	218	213	88°	88°	2°	2°	7°	5°	6°	1°	090	☐

## KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.  
MARCH 1879.

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°	32°	31°	45°	in.	in.	%	%	N	1	N	1	0	0	ins.	☐ 9a. Fine.
2	30°000	30°147	35°	32°	31°	44°	194	172	93	95	W	3	SW	4	1	0	056	☐ 9a. Very fine p.
3	29°111	29°964	34°	35°	29°	44°	170	170	84	83	W	3	SW	4	1	0	—	☐ 9a. Very fine p. ☐
4	29°812	29°962	35°	32°	32°	43°	197	166	95	89	SW	6	W	2	10	1	—	☐
5	29°966	29°931	35°	44°	31°	49°	184	264	90	91	S	3	SW	3	8	9	—	☐
6	29°879	29°808	47°	43°	43°	51°	288	249	89	87	SSW	4	W	4	9	10	015	☐
7	30°103	30°258	41°	38°	35°	49°	210	182	80	78	W	4	WSW	3	1	0	—	Very fine all day.
8	30°467	30°604	44°	35°	35°	55°	241	187	83	92	WSW	1	Calm	0	2	0	—	Very fine all day.
9	30°611	30°497	39°	39°	33°	52°	217	211	91	87	S	1	S	2	1	0	—	Very fine all day.
10	30°380	30°385	40°	47°	32°	58°	217	278	88	84	SW	1	SSW	1	0	10	—	Very fine a.
11	30°331	30°169	46°	45°	41°	49°	229	243	74	81	W	2	WSW	3	8	10	022	☐
12	30°312	30°322	40°	37°	35°	48°	194	169	78	76	N	3	NW	1	1	8	—	☐ a.
13	29°872	29°872	45°	46°	34°	52°	271	160	89	81	WSW	7	N	3	10	9	—	☐ a. and early p.
14	30°342	29°99	32°	29°	25°	42°	137	148	75	90	NW	3	NW	1	1	10	070	Very fine but very cold a. ✱ p.
15	30°246	30°021	29°	30°	25°	35°	142	159	89	96	NW	1	SE	1	8	9	029	✱ 9a. ✱ 0 p. ✱ 9p.
16	29°609	29°569	39°	40°	29°	46°	230	228	94	92	WSW	3	SW	3	10	10	137	☐ before 9a.
17	29°626	29°940	40°	34°	34°	42°	225	184	91	94	NNW	1	NE	2	10	10	020	☐ 9a. and before. ☐ 0 p.
18	30°158	30°066	34°	36°	32°	47°	159	193	80	91	ESE	3	SE	4	10	10	050	☐ before 9a. and before. ☐ 0 p. Very fine
19	29°919	29°768	39°	41°	36°	50°	244	254	100	98	SSW	3	SE	1	10	0	010	☐ before 9a. Very fine all day. Mild.
20	774	860	48°	39°	36°	58°	289	234	86	96	E	1	NE	1	2	3	—	☐ a. and p.
21	925	953	38°	36°	30°	41°	235	212	100	100	NNE	2	NNE	1	10	9	—	☐ p. ✱ 9p.
22	939	847	37°	34°	34°	39°	216	188	97	93	NNE	1	NE	1	10	10	120	☐ before 9a. Very cold day.
23	931	978	33°	33°	32°	34°	151	145	80	77	NE	3	E	5	10	10	—	Cold ☐ a. and p.
24	937	978	33°	30°	30°	37°	146	137	77	73	ENE	6	NE	5	7	10	—	Very cold. ☐
25	950	943	30°	29°	28°	31°	137	995	82	58	E	5	ENE	5	10	10	—	Cold ☐ all day.
26	989	860	29°	32°	28°	32°	988	135	55	73	E	6	E	5	10	8	018	☐ 9a. and before. ✱ p.
27	810	762	31°	30°	29°	33°	166	159	92	93	E	4	E	4	10	10	114	☐ before 9a. Very cold day.
28	705	694	31°	31°	29°	32°	174	161	100	80	E	3	NE	2	10	9	057	☐ all day.
29	692	720	35°	34°	31°	37°	182	164	89	83	N	1	SE	2	10	9	194	☐ before 9a.
30	574	702	44°	41°	33°	57°	284	225	98	85	SSW	3	NW	1	8	6	019	☐
31	676	602	41°	40°	32°	50°	250	226	95	92	S	4	S	3	8	4	135	☐
31	589	600	45°	39°	38°	52°	260	214	87	87	SW	2	SW	1	7	1	020	☐
Means	29°985	29°985	38°	36°	32°	44°	204	190	87.1	86.6	2°9		2°4	6°8	6°6	1°086		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## BUXTON.

Height above Mean Sea Level, 987 feet. Long. 1° 54' W. Lat. 53° 14' N.  
MARCH 1879.

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.	33° 4'	34° 7'	30° 3'	45° 1'	ins.	ins.	100	100	NNW 1	NW 1	1	8	ins.	Thrush heard to-day.
2	30° 115	30° 106	35° 3'	35° 3'	31° 0'	45° 1'	188	162	92	78	W 1	SW 3	2	1	170	
3	30° 846	30° 006	36° 1'	35° 3'	32° 3'	41° 2'	195	148	92	77	W 2	NW 1	10	2	—	
4	30° 959	29° 938	38° 5'	45° 5'	31° 2'	45° 5'	211	281	91	93	SW 4	SW 3	10	10	—	
5	30° 868	29° 866	46° 7'	39° 5'	38° 8'	48° 9'	280	193	89	80	SW 4	NW 4	10	8	270	
6	30° 182	30° 302	39° 9'	39° 4'	35° 8'	47° 1'	196	208	80	87	W 1	W 2	6	8	—	
7	30° 534	30° 619	40° 4'	38° 7'	33° 8'	51° 1'	240	168	96	72	W 1	Calm	10	3	—	
8	30° 584	30° 500	44° 9'	42° 1'	35° 0'	52° 2'	232	222	78	83	SW 1	N 1	5	0	—	
9	30° 417	30° 409	45° 9'	44° 9'	32° 0'	56° 4'	208	274	69	92	W 2	NW 2	4	10	010	
10	30° 373	30° 179	41° 9'	42° 9'	38° 0'	48° 3'	233	254	89	92	NW 2	NW 2	10	10	130	
11	30° 371	30° 342	39° 9'	37° 9'	33° 6'	44° 7'	206	174	84	96	NW 2	NW 1	6	4	070	
12	30° 899	30° 223	44° 9'	32° 3'	31° 8'	48° 1'	274	162	92	89	W 5	NE 1	10	6	040	
13	30° 423	30° 330	32° 4'	32° 8'	24° 0'	40° 0'	163	169	90	91	NW 1	NW 1	1	0	125	
14	30° 259	30° 015	28° 2'	31° 7'	28° 2'	33° 2'	142	157	93	89	E 1	NW 1	10	10	—	
15	30° 214	29° 692	38° 7'	39° 9'	30° 2'	44° 1'	203	225	87	92	SW 3	SE 1	10	10	430	
16	30° 716	29° 955	37° 9'	31° 9'	31° 2'	43° 5'	191	164	84	91	E 2	E 2	10	10	680	
17	30° 142	30° 009	31° 3'	38° 9'	30° 0'	38° 9'	156	217	89	92	SE 2	W 1	10	10	160	
18	30° 895	29° 756	42° 3'	42° 7'	38° 2'	48° 1'	257	256	96	93	SW 1	Calm	10	10	070	
19	30° 829	30° 856	41° 5'	42° 0'	35° 9'	55° 2'	234	250	90	91	SW 1	SE 1	10	2	—	
20	30° 956	30° 975	39° 7'	39° 1'	37° 2'	44° 9'	218	214	89	90	E 1	E 1	10	8	—	
21	30° 960	30° 968	34° 7'	35° 3'	30° 0'	46° 4'	183	184	91	90	Calm	E 1	10	4	010	
22	30° 988	30° 984	30° 7'	30° 3'	29° 6'	37° 0'	139	155	81	93	E 2	E 2	8	10	—	
23	30° 995	30° 080	31° 7'	32° 3'	30° 0'	35° 6'	157	162	89	89	SE 3	E 3	10	8	—	
24	30° 034	30° 050	27° 4'	26° 7'	25° 4'	37° 8'	136	121	92	85	SE 4	E 4	10	10	—	
25	30° 975	29° 882	27° 6'	26° 9'	25° 0'	38° 0'	138	117	92	81	SE 4	E 4	10	10	—	
26	30° 793	30° 760	28° 7'	27° 9'	26° 0'	30° 3'	137	131	87	86	SE 3	E 3	10	10	010	
27	30° 717	30° 717	29° 5'	28° 9'	27° 0'	31° 4'	149	133	92	84	E 3	E 1	10	10	—	
28	30° 684	30° 663	32° 7'	32° 9'	28° 9'	37° 9'	166	168	90	90	E 2	Calm	10	10	350	
29	30° 544	30° 726	44° 9'	37° 9'	32° 8'	52° 7'	214	200	72	88	NW 2	NW 3	3	0	—	
30	30° 630	30° 596	44° 7'	40° 7'	35° 6'	48° 2'	211	205	72	82	SW 3	W 3	10	4	210	
31	30° 587	30° 604	41° 1'	38° 7'	37° 3'	49° 3'	233	187	91	80	SW 3	NW 1	8	3	—	
Means	30° 011	30° 004	37° 2'	36° 3'	31° 5'	43° 7'	195	188	87° 4'	86° 1'	2° 2'	1° 7'	8° 2'	6° 5'	2° 735	

## HILLINGTON, NORFOLK.

Height above Mean Sea Level, 88 feet. Long. 0° 33' E. Lat. 52° 48' N.  
MARCH 1879.

1	30° 937	30° 137	39° 9'	31° 0'	29° 6'	46° 2'	225	145	92	82	N 1	Calm	5	0	—	A lovely day. — 10p.
2	30° 128	30° 095	35° 8'	37° 0'	26° 5'	46° 7'	163	181	77	82	SW 1	SW 2	3	0	—	— 10a, like snow. Very fine and sunny.
3	30° 832	30° 040	38° 9'	33° 1'	32° 5'	44° 5'	207	161	88	86	SW 3	W 1	8	2	030	— 10a.
4	30° 999	30° 073	38° 1'	44° 9'	29° 1'	48° 6'	199	272	87	92	SW 2	SW 5	8	10	—	— 10a.
5	30° 924	30° 810	40° 4'	49° 9'	41° 3'	55° 2'	306	302	85	85	SW 5	SW 7	8	10	068	Soft, very drying. — 2.30p.—11.30p.
6	30° 113	30° 273	41° 7'	42° 4'	35° 4'	52° 1'	216	188	83	70	SW 3	SW 3	3	0	—	Very fine and sunny.
7	30° 449	30° 582	43° 1'	37° 7'	33° 3'	55° 7'	235	206	84	91	N 1	SSW 0.2	2	0	—	— 10a. Very fine day. — 10p.
8	30° 592	30° 404	43° 8'	36° 5'	30° 5'	56° 5'	231	202	80	94	SSW 1	SE 0.5	4	1	007	— 10a. Very fine and sunny.
9	30° 405	30° 402	39° 9'	44° 0'	29° 0'	58° 7'	219	254	90	88	WSW 1	WNW 1	3	4	—	— 10a. Very fine and sunny.
10	30° 359	30° 198	46° 7'	47° 0'	41° 0'	52° 1'	257	269	81	84	SW 2	WSW 3	10	10	033	— 10a. Very fine and sunny.
11	30° 277	30° 321	42° 8'	39° 9'	38° 1'	48° 9'	214	200	78	82	NW 2	WNW 2	8	8	—	Very fine.
12	30° 915	30° 089	44° 7'	34° 9'	34° 2'	52° 5'	259	176	88	86	SW 5	NNE 3	10	10	—	Wind increasing 10a. — 8p.
13	30° 289	30° 283	33° 8'	33° 0'	29° 1'	42° 3'	174	162	89	87	NW 4	NW 2	2	10	040	Cloudless 11a.—4p. — 5p. and 6.30p.
14	30° 228	30° 024	32° 5'	32° 0'	29° 2'	36° 3'	158	174	86	96	NW 1	SE 1	10	10	034	* gone by 10a. — 0.15p.—9.30p.
15	30° 738	30° 615	41° 7'	40° 5'	31° 5'	48° 6'	248	221	94	88	SW 3	SW 2	10	10	065	* n., but quite gone a.
16	30° 620	30° 899	47° 7'	37° 0'	36° 9'	51° 1'	294	210	89	96	SW 3	NNE 2	10	10	060	* a. — 0.15p.
17	30° 119	30° 073	37° 7'	37° 1'	34° 2'	46° 0'	182	196	79	88	SE 2	SE 4	10	10	047	Chilly wind.
18	30° 917	30° 774	42° 3'	45° 3'	36° 7'	57° 1'	239	213	89	71	SSE 2	SE 1	10	3	—	
19	30° 750	30° 821	55° 2'	40° 1'	40° 1'	64° 1'	346	238	80	96	SE 1	E 1	2	4	—	Very fine and sunny.
20	30° 852	30° 902	45° 1'	38° 2'	36° 4'	49° 6'	259	220	86	96	NE 2	NE 2	8	10	—	
21	30° 865	30° 805	39° 7'	36° 1'	35° 3'	41° 5'	218	188	89	89	E 3	NE 3	10	10	—	at night.
22	30° 838	30° 913	35° 5'	35° 4'	34° 0'	36° 4'	174	158	84	76	NE 4	ENE 5	10	10	—	at night.
23	30° 931	30° 004	34° 5'	32° 5'	32° 1'	41° 0'	162	169	81	92	ENE 6	ENE 8	10	10	—	at night.
24	30° 962	30° 973	31° 0'	32° 1'	28° 2'	36° 5'	145	174	82	96	ENE 7	E 6	10	10	—	all day.
25	30° 905	30° 824	30° 3'	31° 0'	28° 9'	36° 3'	155	127	93	72	E 6	E 3	10	10	010	* 0.8a. — 10a. [3p., and at 5p.]
26	30° 755	30° 688	33° 2'	31° 5'	29° 6'	35° 0'	176	168	94	95	E 3	E 3	10	10	040	* lying 7a., gone by 9a. — 8.30a.—
27	30° 646	30° 636	34° 6'	34° 3'	31° 0'	35° 9'	180	178	90	89	E 2	E 2	10	10	010	* a. and p.
28	30° 649	30° 740	37° 1'	34° 0'	31° 2'	40° 9'	196	168	88	85	E 2	E 2	10	10	110	
29	30° 605	30° 710	45° 7'	43° 4'	33° 6'	55° 4'	301	244	98	87	SW 2	WSW 2	10	4	028	T. 2.30p.
30	30° 728	30° 651	45° 7'	42° 7'	33° 1'	50° 7'	268	254	88	92	SW 4	SSW 1	9	10	067	U. 10p.
31	30° 616	30° 614	48° 5'	44° 0'	39° 5'	51° 4'	281	245	84	85	SW 3	SW 1	8	10	090	* early a. — 2.30p. — 10p.
Means	30° 966	30° 973	40° 5'	38° 0'	33° 3'	47° 5'	222	202	86° 4'	87° 0'	2° 8'	2° 5'	7° 7'	7° 1'	0° 739	

## UPPINGHAM.

Height above Mean Sea Level, 484 feet. Long. 0° 44' W. Lat. 52° 35' N.  
MARCH 1879.

MARCH 1873.																
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.	36° 4'	34° 8'	33° 4'	46° 8'	ins.	ins.	100	100	N 3	N 2	0	0	ins.	∞° on horizon a. ∞° on horizon p.
2	30° 001	30° 157	36° 4'	34° 8'	33° 4'	46° 8'	189	176	88	88	W by S 3	SW 4	0	0	025	Nearly cloudless all day. Wind rose [and blew roughly at night.]
3	30° 848	30° 010	36° 5'	34° 1'	32° 0'	44° 9'	202	173	94	87	SW 4	W 4	10	10	—	Rough at night.
4	30° 024	29° 984	36° 8'	44° 0'	33° 6'	48° 0'	202	207	93	93	WSW 5	SW 5	9	7	—	Squally all day.
5	30° 933	29° 837	48° 7'	48° 3'	43° 4'	53° 4'	296	327	86	97	SW 6	SW 6	10	10	061	∞° on horizon 9a.
6	30° 165	30° 304	40° 8'	37° 4'	34° 9'	50° 4'	214	185	84	83	W by N 3	Calm	0	1	0	— 10a. ∞° on horizon 9p.
7	30° 490	30° 581	42° 0'	44° 5'	34° 6'	55° 5'	231	237	87	80	NW 1	NW by W 1	5	0	—	— 10a. ∞° on horizon 9p.
8	30° 607	30° 491	43° 4'	41° 2'	37° 2'	53° 8'	228	231	80	90	S by W 2	S 2	2	1	—	— 10a. ∞° on horizon 9p.
9	30° 430	30° 435	41° 5'	42° 6'	33° 1'	55° 5'	229	253	88	93	sw by w 2	W 1	0	2	—	— 10a. ∞° on horizon 9p.
10	30° 338	30° 338	44° 2'	44° 8'	41° 1'	50° 0'	270	241	97	81	W by N 3	W 4	10	8	010	Cold wind.
11	30° 338	30° 338	44° 2'	44° 8'	41° 1'	50° 0'	270	241	97	81	W by N 3	W 4	10	8	010	Cold wind.
12	30° 976	30° 976	46° 8'	46° 8'	43° 2'	53° 3'	284	189	89	90	W by S 6	NNW 3	9	10	—	[at 4.30p. Wind fell soon afterwards.
13	30° 379	30° 379	32° 0'	32° 0'	28° 5'	42° 0'	153	160	83	79	N 3	NW 1	0	6	011	Squally all day. 2.3p.-4.30p. Bar. 29° 863
14	30° 251	30° 015	30° 0'	32° 0'	28° 5'	35° 2'	167	182	100	100	SE 1	SE 1	10	10	070	10a. Bright cold day.
15	29° 775	29° 616	40° 0'	40° 7'	31° 7'	45° 0'	228	237	93	93	W by S 2	SSW 3	10	10	022	Small 10.30a. and all day. 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
16	29° 629	29° 007	44° 1'	36° 1'	35° 8'	50° 5'	287	211	99	99	WSW 1	SE 1	10	10	051	10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
17	30° 119	30° 059	34° 8'	38° 1'	33° 2'	40° 5'	186	225	92	98	ESE 2	S by E 3	10	10	—	10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
18	30° 914	29° 753	39° 5'	33° 4'	37° 4'	49° 0'	243	263	100	99	S 2	SE 1	10	10	012	10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
19	756	812	45° 9'	43° 1'	38° 7'	61° 2'	292	261	95	93	SE by S 1	ESE 1	0	2	—	10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
20	882	910	37° 1'	37° 1'	36° 5'	46° 0'	237	219	98	99	Neb.N 4	NNE 3	10	10	—	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
21	918	827	36° 1'	36° 3'	35° 0'	42° 0'	213	214	100	100	NNE 3	NNE 3	10	10	075	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
22	864	912	33° 0'	32° 3'	31° 7'	37° 4'	183	173	97	94	Neb.N 3	Neb.N 3	10	10	—	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
23	948	999	31° 5'	30° 9'	30° 5'	40° 5'	168	103	95	60	ENE 4	E by N 3	10	10	—	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
24	985	967	28° 8'	28° 9'	26° 8'	36° 0'	067	089	42	55	E 3	E 3	10	10	—	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
25	926	828	30° 1'	28° 9'	27° 5'	34° 1'	115	101	68	64	E 4	SE 1	10	8	017	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
26	750	704	31° 7'	29° 2'	28° 1'	33° 5'	172	153	96	95	E 2	E by N 2	10	10	—	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
27	647	649	32° 3'	31° 5'	29° 2'	34° 9'	175	105	96	93	E by N 2	E 1	10	10	—	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
28	701	718	33° 8'	34° 3'	31° 1'	39° 7'	162	161	83	81	N by W 1	S by E 3	10	8	109	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
29	579	728	48° 1'	40° 9'	34° 0'	53° 6'	306	220	91	87	SSW 4	WSW 1	7	9	033	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
30	685	617	44° 8'	41° 0'	33° 8'	50° 5'	255	233	86	91	SW 4	SW 4	10	10	078	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
31	594	612	44° 2'	41° 6'	39° 4'	51° 8'	259	226	89	86	SWb.S 2	swb.w 1	8	2	—	Ground 10.30a. 10.30p. [wads evening with 10.30a. 10.30p.]
Means	29° 988	29° 982	38° 5'	37° 5'	33° 5'	46° 0'	214	201	89.1	87.5	2° 9	2° 3	7° 3	6° 9	0648	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## CHURCHSTOKE.

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

MARCH 1879.

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.	35°6	32°6	31°0	47°0	ins.	ins.	88	92	SW 2	SW 1	4	2	ins. before ga. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
2	30°152	30°001	37°3	36°9	25°3	46°1	208	184	94	85	SW 5	SW 3	4	5	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
3	29°862	30°042	37°5	35°3	24°2	43°3	218	184	98	90	WSW 2	W 2	7	4	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
4	30°193	29°965	44°5	46°8	33°5	51°2	221	277	76	87	W 5	SW 8	7	7	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
5	29°918	29°945	48°9	41°0	40°0	51°1	209	238	87	93	SW 8	SW 5	8	7	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
6	30°218	30°350	41°0	37°9	35°3	50°3	214	188	83	83	SW 3	SW 2	4	3	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
7	30°227	30°155	40°8	38°5	33°5	50°4	231	201	92	87	SW 1	SW 1	5	4	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
8	30°261	30°282	37°4	44°9	26°3	56°1	194	208	87	71	E 2	S 4	4	4	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
9	30°437	30°477	45°8	47°1	31°0	53°1	227	287	75	89	W 4	SW 4	3	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
10	30°411	30°447	49°6	45°3	42°5	50°1	324	263	92	87	W 2	SW 4	8	8	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
11	30°406	30°390	42°6	37°9	37°0	48°1	224	194	83	86	WNW 2	SW 2	5	6	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
12	30°070	30°200	47°5	40°0	35°2	50°4	289	208	89	85	SW 5	N 5	10	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
13	30°475	30°353	32°9	33°9	22°3	45°5	138	130	73	67	NE 2	WSW 2	4	7	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
14	30°218	30°008	32°9	36°0	31°2	36°4	172	205	92	97	E 2	SW 2	10	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
15	29°767	29°576	40°8	44°0	35°0	48°4	196	263	72	91	SW 4	SW 4	7	8	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
16	29°620	29°885	46°1	44°6	42°5	51°7	274	254	89	86	SW 3	SE 2	8	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
17	30°033	29°968	36°7	46°1	34°0	47°1	205	290	95	93	SSE 3	S 3	10	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
18	29°867	29°736	43°2	43°9	41°7	51°2	266	271	95	95	NE 2	SE 2	8	4	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
19	29°786	29°831	39°0	44°8	33°0	47°1	231	275	98	93	NE 1	N 1	10	8	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
20	29°912	29°957	40°8	43°0	36°7	45°7	235	257	93	93	N 2	N 2	10	8	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
21	29°969	29°880	38°3	35°9	33°4	46°7	224	173	97	82	N 2	N 2	10	5	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
22	29°942	29°974	33°6	32°7	32°0	39°1	140	148	73	80	NNE 4	NNE 4	8	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
23	30°019	30°057	31°8	30°9	30°0	39°8	158	128	89	73	NNE 5	NE 5	10	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
24	30°008	30°012	28°4	28°6	27°6	31°2	140	128	91	82	E 5	E 5	8	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
25	29°944	29°838	28°2	27°2	26°3	31°0	145	117	95	80	NE 4	NE 3	5	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
26	29°724	29°722	31°2	30°1	26°0	32°5	152	151	88	91	E 3	E 4	10	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
27	29°659	29°698	31°2	32°9	29°0	34°7	160	170	92	91	NE 3	NE 2	10	10	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
28	29°753	29°814	32°8	38°4	30°0	41°6	166	206	90	89	N 1	S 6	10	8	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
29	29°640	29°741	46°8	39°9	37°7	54°1	313	206	98	84	W 3	SW 5	5	3	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
30	29°631	29°620	44°9	41°9	38°4	52°8	252	233	85	89	SSW 4	SW 2	6	5	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
31	29°567	29°581	44°6	39°8	38°0	52°1	245	211	83	87	S 3	SSW 2	7	4	ins. 1 a. 1 <sup>2</sup> p. First [crocus seen to-day.
Means	30°003	29°996	39°1	38°7	33°2	46°2	214	207	88°3	86°4	3°1	3°2	7°3	7°0	1°303

## AUDLEY END.

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

MARCH 1879.

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	29°972	30°167	38°3	29°1	20°1	45°0	215	151	94	94	NW 2	Calm 0	10	0	Low 1 <sup>2</sup> p.
2	30°161	30°031	34°4	31°6	27°0	49°1	149	158	75	90	NW 1	SW 2	0	0	Low 1 <sup>2</sup> p.
3	29°896	29°991	38°5	38°6	31°5	44°6	213	185	92	79	SW 2	NW 1	6	0	Low 1 <sup>2</sup> p.
4	30°071	30°038	38°3	45°6	29°6	51°1	196	269	85	89	SW 2	W 3	7	7	Low 1 <sup>2</sup> p.
5	30°180	29°921	47°6	49°2	45°3	56°0	309	306	95	89	SW 3	SW 3	10	10	Low 1 <sup>2</sup> p.
6	30°315	30°315	43°6	34°6	34°6	54°1	214	184	75	92	NW 2	SW 1	0	0	Low 1 <sup>2</sup> p.
7	30°487	30°600	43°8	34°3	30°5	56°3	223	187	77	95	NW 2	NW 1	3	0	Low 1 <sup>2</sup> p.
8	30°606	30°538	39°3	39°6	26°0	56°1	130	211	54	87	SE 2	S 2	0	4	Low 1 <sup>2</sup> p.
9	30°505	30°435	41°8	45°6	28°5	61°7	237	292	90	96	SE 2	SE 1	0	4	Low 1 <sup>2</sup> p.
10	30°338	30°233	44°3	46°9	31°0	53°0	275	261	95	82	SW 2	SW 2	0	5	Low 1 <sup>2</sup> p.
11	30°302	30°331	42°6	42°6	40°6	47°1	240	196	88	73	NW 3	NW 4	10	10	Low 1 <sup>2</sup> p.
12	30°048	30°065	43°6	37°6	35°2	55°2	229	190	80	84	SW 3	NW 4	10	10	Low 1 <sup>2</sup> p.
13	30°354	30°268	32°1	36°8	27°9	42°1	109	156	61	62	NW 4	NW 2	0	5	Low 1 <sup>2</sup> p.
14	30°254	30°008	31°3	33°8	28°8	37°5	154	194	88	100	S 2	S 1	10	10	Low 1 <sup>2</sup> p.
15	29°800	29°647	42°1	41°6	33°2	48°1	239	225	90	86	SW 2	NW 2	7	8	Low 1 <sup>2</sup> p.
16	29°662	29°906	47°7	40°3	39°7	54°6	285	239	87	96	SW 2	SW 2	10	10	Low 1 <sup>2</sup> p.
17	30°121	30°083	38°3	38°6	36°3	43°1	202	218	87	93	NE 1	SE 2	10	10	Low 1 <sup>2</sup> p.
18	29°938	29°761	45°1	44°6	38°3	54°7	249	276	83	94	SE 2	SE 1	4	0	Low 1 <sup>2</sup> p.
19	29°751	29°789	50°1	43°9	39°3	64°0	304	249	84	87	SE 1	SE 2	4	10	Low 1 <sup>2</sup> p.
20	29°844	29°801	40°6	40°1	36°4	52°8	231	221	92	89	NW 2	NE 2	10	10	Low 1 <sup>2</sup> p.
21	29°870	29°886	39°8	36°9	36°2	42°1	217	205	89	94	NE 3	NE 3	10	10	Low 1 <sup>2</sup> p.
22	29°797	29°838	35°6	34°6	33°7	37°2	174	184	83	92	NE 4	NE 3	10	10	Low 1 <sup>2</sup> p.
23	29°803	29°934	32°9	34°0	32°2	38°3	164	146	88	74	NE 4	NE 4	10	5	Low 1 <sup>2</sup> p.
24	29°937	29°903	29°7	32°9	28°4	34°3	094	166	58	89	NE 4	NE 3	10	10	Low 1 <sup>2</sup> p.
25	29°876	29°883	29°6	30°6	28°0	33°2	131	150	81	88	NE 3	NE 2	10	10	Low 1 <sup>2</sup> p.
26	29°718	29°659	33°2	33°3	29°3	35°0	164	182	87	96	NE 2	NE 1	10	10	Low 1 <sup>2</sup> p.
27	29°614	29°606	37°4	31°1	31°0	40°6	208	167	93	96	NE 2	NE 2	10	0	Low 1 <sup>2</sup> p.
28	29°677	29°757	36°1	36°6	30°0	42°6	184	182	86	84	NW 2	SW 2	9	10	Low 1 <sup>2</sup> p.
29	29°634	29°782	46°9	41°6	35°2	56°1	306	225	96	86	SW 2	SW 1	10	0	Low 1 <sup>2</sup> p.
30	29°752	29°674	49°1	43°8	33°2	50°3	249	261	72	92	SW 3	SW 1	10	10	Low 1 <sup>2</sup> p.
31	29°632	29°647	46°4	44°9	42°0	53°0	279	251	89	85	SW 2	SW 1	9	10	Low 1 <sup>2</sup> p.
Means	29°990	29°980	40°0	38°6	33°2	48°0	212	209	83°7	88°1	2°4	1°9	6°9	6°4	0°910

## MARCH.

## CHELTENHAM.

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

MARCH 1879.

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°4	29°0	28°5	45°8	ins.	ins.	92	95	NE	S	1	9	0	ins. Very fine.
2	30°058	30°187	37°9	38°7	23°0	46°0	197	151	92	95	SW	W	2	2	4	— a. Beautiful day.
3	29°894	30°060	40°8	29°8	29°8	47°0	240	160	95	96	SW	NW	1	10	0	—
4	30°094	30°054	42°0	46°8	27°2	47°7	238	301	90	94	S	S	3	10	10	— Pleasant day.
5	29°984	29°894	48°8	48°8	41°0	52°3	309	328	90	95	SW	SW	1	10	10	— Very fine day. at night.
6	30°243	30°359	36°6	32°5	30°6	51°0	196	174	91	95	W	W	1	2	0	— Beautiful day. at night.
7	30°532	30°602	36°9	33°8	26°0	53°8	209	186	96	95	NW	W	1	10	3	— Beautiful day. at night.
8	30°583	30°469	45°0	44°9	28°6	55°6	251	217	84	74	SE	SW	1	0	0	— Beautiful day. at night.
9	30°481	30°466	42°8	38°7	29°6	56°4	219	204	80	87	W	W	1	10	9	— Very beautiful day.
10	30°426	30°275	46°3	46°2	31°0	52°6	235	274	97	89	S	W	1	10	10	— Very fine day.
11	30°391	30°396	44°5	33°0	32°8	49°0	230	167	79	89	N	N	1	5	0	— Very fine day.
12	30°098	30°123	45°1	41°6	29°6	56°0	276	231	92	89	W	W	3	10	8	— Squally a.
13	30°448	30°339	33°2	35°0	23°4	44°0	149	156	79	76	N	NW	1	0	10	— Magnificent day.
14	30°223	30°009	34°1	37°2	30°6	40°6	192	222	98	100	SE	SE	1	10	10	— a. all day.
15	29°790	29°568	42°0	34°3	30°6	47°1	228	236	86	81	SW	NW	2	6	10	—
16	29°679	29°903	49°7	45°3	43°4	53°7	295	252	84	84	SW	NW	1	8	0	—
17	30°027	30°003	40°4	44°3	32°0	48°0	234	266	94	92	S	S	3	10	10	— Squally at night.
18	29°888	29°718	43°0	48°0	41°0	51°3	260	300	94	90	S	S	2	6	6	— Very fine day.
19	30°750	30°777	49°4	51°0	41°6	59°8	309	338	88	81	E	E	1	3	8	— Very beautiful day. Bats flying at night.
20	30°849	30°896	43°0	39°8	39°5	51°4	247	224	89	92	NE	N	2	10	10	— Very fine and pleasant.
21	30°933	30°815	38°6	40°3	37°4	51°0	224	225	96	91	N	N	3	10	10	—
22	30°869	30°869	34°8	34°5	35°8	40°3	177	170	88	85	NE	NE	4	10	10	— [unpleasant.
23	30°936	30°958	34°0	33°0	32°8	41°1	168	147	85	78	NE	E	6	10	10	— Cold, windy, disagreeable day.
24	30°950	30°949	30°8	30°8	29°0	33°0	140	147	83	85	E	E	4	9	10	— Squally a. Wretchedly cold day.
25	30°874	30°774	31°8	29°5	28°8	34°4	139	139	77	85	E	NE	2	10	10	— a. most part of day. Very cold.
26	30°684	30°628	34°0	32°6	29°0	38°0	179	168	91	91	E	E	3	10	10	— showers all day. Very cold.
27	30°610	30°641	36°8	35°9	31°6	41°5	181	193	83	92	E	E	2	10	10	— Much pleasanter. at night.
28	30°742	30°660	35°0	39°7	32°5	44°3	178	223	87	92	NW	SE	2	10	10	— Squally at night.
29	30°610	30°783	50°1	42°5	38°5	54°5	307	238	85	87	SW	SW	1	6	0	— Squally a.
30	30°659	30°614	46°2	45°0	37°0	53°7	282	256	91	86	S	S	4	10	9	— showers all day. Very cold.
31	29°594	29°617	47°3	44°5	40°5	53°2	274	251	85	86	SW	SW	1	7	6	— a. at night.
Means	30°003	29°982	40°5	39°3	32°8	48°2	227	216	88°2	88°4	2°1	1°9	7°6	6°9	0°980	— Very beautiful day. Apricot trees just coming into blossom



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## MARLBOROUGH.

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

MARCH 1879.

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° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0	
2	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
3	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
4	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
5	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
6	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
7	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
8	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
9	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
10	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
11	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
12	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
13	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
14	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
15	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
16	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
17	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
18	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
19	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
20	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
21	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
22	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
23	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
24	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
25	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
26	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
27	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
28	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
29	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
30	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
31	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		
Means	30° 214	30° 210	35° 3	34° 4	33° 5	47° 4	196	188	95	94	N	1	Calm	0		

## STRATHFIELD TURGIS.

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
































MARCH 1879.

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° 095	30° 177	38° 9	35° 1	34° 8	48° 4	218	182	93	89	NW	1	N	1	10	5
2	30° 201	30° 198	38° 8	37° 5	27° 0	50° 4	148	204	63	92	SE	1	SW	2	0	0
3	30° 194	30° 135	41° 4	34° 8	30° 3	42° 0	235	123	91	61	SW	3	W	2	10	10
4	30° 117	30° 119	40° 6	45° 0	30° 6	48° 3	214	250	85	84	SW	2-3	W	5-6	10	7
5	30° 077	30° 093	40° 8	47° 8	40° 1	55° 1	210	177	73	77	NW	2	NW	2	0	0
6	30° 223	30° 349	43° 8	38° 5	34° 0	56° 4	210	197	73	86	SW	1	Calm	0	4	2
7	30° 225	30° 601	43° 4	38° 0	27° 4	57° 4	206	197	73	82	Calm	0	SE	1	0	2
8	30° 212	30° 498	38° 0	37° 1	35° 0	57° 7	142	182	62	84	W	1	SW	1	0	0
9	30° 460	30° 472	46° 6	44° 0	26° 8	61° 9	266	243	85	79	W	1	SW	3-4	10	10
10	30° 464	30° 419	44° 7	47° 0	33° 3	54° 5	227	216	75	87	N	3-4	NW	1	2	8
11	30° 340	30° 404	45° 7	40° 4	40° 0	50° 6	227	216	75	87	W	3	NW	3-4	10	3
12	30° 143	30° 073	46° 0	44° 2	33° 9	54° 1	251	214	82	73	W	3	NW	1	0	2
13	30° 405	30° 341	35° 5	31° 8	28° 7	45° 3	119	109	58	61	NE	3-4	NW	1	0	2
14	30° 263	30° 029	36° 5	38° 4	31° 1	38° 4	156	213	73	92	SW	1	SW	2-3	10	10
15	30° 802	30° 700	43° 5	41° 6	37° 0	50° 9	304	230	91	85	SW	3	NW	1	10	0
16	30° 710	30° 899	48° 1	42° 5	41° 0	54° 5	304	230	91	85	E	1	SE	2	10	0
17	30° 095	30° 074	41° 4	43° 1	29° 9	46° 1	253	258	97	93	S	1	S	1	10	10
18	30° 924	30° 758	42° 2	43° 6	35° 6	52° 1	258	270	96	95	S	2	SE	1	7	10
19	30° 734	30° 751	47° 4	47° 5	35° 1	63° 5	294	283	90	87	E	3	NE	3-4	10	10
20	30° 811	30° 821	46° 9	43° 5	43° 2	53° 1	239	243	76	86	N	3	NE	1	10	3
21	30° 865	30° 806	43° 0	38° 4	37° 8	45° 1	242	193	87	84	NE	3-4	NE	3-4	10	10
22	30° 789	30° 811	34° 5	34° 9	33° 0	39° 4	183	172	92	84	NE	2-3	NE	3-4	10	0
23	30° 875	30° 890	33° 3	32° 1	31° 0	35° 5	132	119	69	66	NE	2-3	NE	3-4	10	10
24	30° 892	30° 877	31° 0	31° 6	29° 5	32° 7	111	123	64	72	NE	3-4	NE	2	10	10
25	30° 846	30° 774	31° 0	30° 7	29° 0	32° 6	117	145	83	77	SE	1	NE	2-3	10	8
26	30° 689	30° 638	36° 4	33° 0	30° 3	37° 7	177	145	83	77	SE	1	NE	2-3	10	8
27	30° 585	30° 601	37° 4	36° 6	32° 4	42° 4	182	177	82	82	NW	2	S	2-3	10	10
28	30° 719	30° 762	36° 8	37° 8	33° 0	47° 6	177	185	81	82	NW	2	S	2-3	10	10
29	30° 663	30° 809	51° 0	43° 4	37° 4	58° 5	309	239	83	85	W	2-3	W	1	10	10
30	30° 767	30° 689	46° 2	44° 6	35° 3	52° 0	279	269	91	92	SW	3	W	2-3	7	10
31	30° 634	30° 654	49° 9	44° 1	42° 0	55° 5	285	242	80	83	W	3	W	1	10	10
Means	30° 008	30° 094	41° 6	39° 6	33° 7	49° 0	217	204	80° 6	81° 4	2° 2	2° 1	7° 6	6° 5	0° 478	

## RAMSGATE.

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

MARCH 1879.

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° 197	36° 4	35° 0	42° 0	196	188	95	94	N	2	Calm	0	10	0	ins. 0°20	 a.  9p.
2	30° 227	30° 227	37° 8	35° 3	31° 5	50° 1	207	200	91	97	W	1	Calm	0	0	0	—	 a.  9p.
3	30° 272	30° 047	40° 0	36° 2	32° 4	51° 4	229	208	93	97	SW	1	NW	1	2	4	—	 a.  together 9p.
4	30° 152	30° 145	37° 9	33° 1	31° 9	50° 0	198	250	87	89	SW	1	SW	5	5	4	—	 a.  9p.
5	30° 113	30° 049	47° 1	45° 0	42° 5	47° 8	293	275	91	92	SW	6	SW	6	10	10	0°30	Squally  a.
6	30° 223	30° 358	44° 0	40° 0	38° 3	53° 2	224	204	76	82	W	2	Calm	0	3	0	—	 a. and p.
7	30° 530	30° 658	44° 6	41° 3	34° 1	55° 2	226	225	76	87	W	1	Calm	0	0	0	—	 a.  7p.-9p.  9p.
8	30° 646	30° 535	44° 0	43° 5	36° 6	53° 4	265	245	92	87	E	1	E	1	0	3	—	 3p.
9	30° 448	30° 482	50° 0	45° 5	36° 5	61° 2	261	255	73	84	Calm	0	SW	1	1	0	—	 3p.
10	30° 447	30° 313	47° 1	45° 0	38° 6	59° 5	272	273	84	91	SW	1	SW	1	4	8	—	 3p.
11	30° 295	30° 413	45° 3	40° 6	40° 1	52° 4	238	224	79	89	NW	2	Calm	0	4	10	1°30	 3p.
12	30° 107	30° 089	44° 1	39° 2	36° 1	52° 3	214	199	74	83	SW	5	SW	5	8	6	—	 3p.
13	30° 344	30° 310	36° 2	33° 2	31° 5	44° 3	144	164	67	87	NW	5	NW	1	1	6	—	Squally a. 
14	30° 270	30° 080	34° 0	36° 0	31° 5	37° 3	155	199	78	95	NW	1	SW	1	10	10	1°10	* a. and p.
15	30° 864	29° 747	44° 3	40° 3	35° 4	50° 9	258	217	88	88	SW	2	SW	1	6	3	—	Squally  p.
16	30° 749	29° 939	46° 0	43° 3	38° 6	53° 6	283	263	92	94	SW	5	SW	1	10	1	—	 9p. [7p.  9p.
17	30° 144	30° 140	40° 3	41° 0	37° 8	43° 7	221	231	89	90	NE	4	Calm	0	10	0	—	Beautiful meteor at a few minutes to
18	29° 972	29° 825	44° 8	47° 8	39° 0	52° 3	254	294	85	88	E	1	Calm	0	5	6	—	 a.
19	30° 779	30° 797	47° 3	47° 2	41° 9	55° 0	264	269	81	84	E	1	E	2	3	10	—	 a.
20	30° 799	30° 823	45° 0	42° 7	41° 8	47° 8	256	246	86	89	NE	2	NE	2	10	10	—	 a.
21	30° 835	30° 788	41° 5	37° 2	36° 8	43° 4	226	210	87	94	NE	3	NE	1	10	10	—	 a.
22	30° 724	30° 813	37° 9	38° 0	36° 9	39° 7	204	188	90	82	NE	4	NE	6	10	10	—	Squally  p.
23	30° 824	30° 888	34° 7	37° 0	32° 6	38° 6	171	151	85	69	NE	5	NE	7	10	9	—	Squally  all day. *  a.
24	30° 875	30° 869	30° 4	35° 0	29° 6	37° 2	127	179	75	87	NE	6	NE	6	10	10	—	Squally  a. and p.  later.
25	30° 834	30° 774	31° 2	34° 4	30° 2	35° 8	142	181	80	91	NE	4	NE	2	10	10	0°10	* a. and p.  later.
26	30° 700	30° 665	35° 5	36° 3	33° 8	36° 6	189	186	92	88	NE	1	Calm	0	10	10	1°20	* shower p.
27	30° 597	30° 584	37° 8	37° 9	34° 9	40° 2	209	214	92	94	NE	2	NE	1	10	10	0°50	9p.
28	30° 671	30° 847	37° 8	35° 7	35° 5	45° 5	209	197	92	95	NW	3	W	1	8	2	1°30	9p.
29	30° 727	30° 831	43° 2	42° 8	34° 9	55° 6	279	253	100	92	SW	6	W	2	10	0	—	Squally  a.  9p.
30	30° 846	30° 766	46° 0	43° 7	35° 7	49° 3	272	267	88	93	S	5	SW	2	5	5	—	9p.
31	30° 203	30° 719	46° 0	45° 0	42° 4	53° 0	287	275	93	92	S	2	Calm	0	9	10	—	Squally p.  9p.
Means	30° 012	30° 052	41° 3	40° 2	36° 0	48° 0	226	224	85.7	89.3	2.7		1.8	6.6	5.7	0.700		



## HASTINGS.

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

MARCH 1879.

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° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
2	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
3	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
4	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
5	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
6	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
7	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
8	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
9	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
10	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
11	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
12	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
13	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
14	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
15	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
16	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
17	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
18	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
19	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
20	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
21	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
22	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
23	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
24	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
25	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
26	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
27	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
28	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
29	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
30	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
31	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	
Means	30° 214	30° 176	39° 2	37° 4	36° 6	43° 0	ins.	ins.	94	92	NNW 5	Calm 0	10	5	ins.	

## DARTMOOR.

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

MARCH 1879.

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° 045	30° 202	34° 4	31° 8	31° 8	42° 4	ins.	ins.	89	98	NE 1	NE 1	10	3	—	
2	30° 193	30° 076	37° 4	32° 4	29° 4	43° 2	ins.	ins.	77	100	Calm 0	Calm 0	0	0	ins.	
3	30° 035	30° 089	38° 6	34° 4	32° 4	41° 4	ins.	ins.	100	89	NNW 3	Calm 0	10	0	ins.	
4	30° 108	30° 102	38° 0	41° 9	31° 2	42° 0	ins.	ins.	100	266	W 5	S 6	10	10	ins.	
5	30° 071	30° 095	43° 4	44° 2	41° 2	44° 2	ins.	ins.	100	200	W 4	SW 4	10	10	ins.	
6	30° 280	30° 392	33° 8	33° 8	31° 8	45° 4	ins.	ins.	95	95	NW 2	Calm 0	3	0	ins.	
7	30° 487	30° 560	45° 9	34° 0	31° 2	49° 0	ins.	ins.	83	78	E 4	E 1	3	0	ins.	
8	30° 507	30° 460	42° 1	34° 4	31° 5	50° 0	ins.	ins.	83	92	E 5	Calm 0	4	0	ins.	
9	30° 456	30° 497	38° 8	30° 8	34° 0	54° 4	ins.	ins.	97	97	NW 5	NW 1	6	2	ins.	
10	30° 471	30° 376	42° 4	40° 4	39° 0	52° 5	ins.	ins.	100	271	NW 1	W 3	6	8	ins.	
11	30° 405	30° 409	41° 0	36° 0	35° 0	50° 4	ins.	ins.	80	86	N 3	N 3	6	0	ins.	
12	30° 219	30° 147	42° 4	33° 8	33° 8	45° 6	ins.	ins.	95	95	NW 5	NW 3	10	10	ins.	
13	30° 376	30° 400	34° 4	28° 4	28° 4	42° 4	ins.	ins.	100	136	NE 5	NE 1	0	0	ins.	
14	30° 255	30° 035	32° 8	34° 6	27° 5	42° 0	ins.	ins.	182	180	W 2	NW 3	8	8	ins.	
15	30° 865	30° 695	35° 8	40° 4	32° 0	43° 2	ins.	ins.	80	99	W 2	SW 4	4	10	ins.	
16	30° 704	30° 896	42° 8	39° 2	38° 4	47° 4	ins.	ins.	95	95	W 3	SW 1	8	9	ins.	
17	30° 963	30° 996	44° 0	42° 6	39° 0	48° 0	ins.	ins.	100	284	SW 2	SW 1	0	10	ins.	
18	30° 830	30° 722	43° 4	39° 6	35° 8	45° 8	ins.	ins.	86	241	SW 1	Calm 0	6	0	ins.	
19	30° 677	30° 726	43° 6	40° 2	36° 8	54° 4	ins.	ins.	98	98	SE 2	SE 2	3	10	ins.	
20	30° 719	30° 774	43° 0	39° 6	39° 6	52° 6	ins.	ins.	95	93	E 3	NE 3	10	9	ins.	
21	30° 839	30° 824	42° 6	35° 8	35° 2	52° 4	ins.	ins.	194	54	N 3	N 2	2	6	ins.	
22	30° 774	30° 785	31° 2	28° 8	28° 8	48° 4	ins.	ins.	100	95	NE 4	E 6	10	10	ins.	
23	30° 811	30° 823	29° 8	28° 6	28° 6	48° 4	ins.	ins.	100	159	NE 5	E 4	9	10	ins.	
24	30° 807	30° 747	25° 6	23° 8	23° 8	46° 2	ins.	ins.	98	135	NE 4	E 3	9	8	ins.	
25	30° 794	30° 728	26° 0	26° 5	23° 4	42° 6	ins.	ins.	100	141	E 4	E 3	10	10	ins.	
26	30° 609	30° 507	29° 4	32° 4	25° 6	41° 6	ins.	ins.	100	162	NE 2	E 3	10	0	ins.	
27	30° 488	30° 613	30° 8	31° 6	29° 6	42° 0	ins.	ins.	100	172	E 3	E 3	0	9	ins.	
28	30° 730	30° 626	34° 0	40° 6	28° 6	40° 6	ins.	ins.	91	179	SE 1	S 2	8	0	ins.	
29	30° 665	30° 817	43° 0	38° 4	35° 4	47° 2	ins.	ins.	97	232	SW 2	W 1	8	6	ins.	
30	30° 675	30° 651	42° 2	41° 0	37° 6	46° 2	ins.	ins.	86	231	W 3	W 3	4	7	ins.	
31	30° 605	30° 653	40° 8	38° 4	37° 8	47° 0	ins.	ins.	94	238	W 1	W 2	6	5	ins.	
Means	30° 979	30° 982	37° 9	36° 0	32° 7	46° 4	ins.	ins.	91° 4	95° 9	2° 9	2° 3	6° 3	5° 4	3° 020	

## BABBACOMBE.

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

MARCH 1879.

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	39.3	36.4	40.2	in.	in.	86	84	NNW 3	NW 2	10	9	ins.	
2	30° 204	30° 194	41.9	35.6	29.0	52.6	.198	.190	76	92	SW 1	SW 1	0	2	—	W. p. a. and p.
3	29° 923	30° 098	43.9	36.2	34.9	50.3	.255	.186	80	87	SW 3	W 1	9	1	.010	a. — p.
4	30° 128	30° 125	42.5	45.4	33.0	49.3	.245	.302	90	99	SW 3	SW 5	9	10	.070	a.
5	30° 097	29° 996	47.4	48.1	45.3	51.8	.316	.329	96	98	WSW 4	SW 7	10	10	.080	Squally p. after 8 p.
6	30° 263	30° 392	44.9	37.9	37.9	54.7	.220	.200	77	88	NW 2	WNW 2	1	0	—	to 7.30 a. 0° 4 p. — 5 p. D p.
7	30° 517	30° 567	42.5	41.0	33.3	48.9	.227	.218	84	85	NE 1	NNE 2	2	4	—	to 8 a. 2 a. and p. [W 8 p. — Midt.
8	30° 544	30° 441	44.6	41.5	40.1	48.9	.254	.238	83	92	E 3	NE 2	1	1	—	to 8 a. 2 a. and p. D p.
9	30° 496	30° 509	45.0	43.8	33.1	56.3	.249	.259	84	91	N 2	W 1	1	1	—	n. D 7 a. — 10 a. 2 a. and p. [over the sea.
10	30° 488	30° 376	43.9	45.8	34.0	54.6	.251	.260	87	85	Calm 0	WSW 3	1	10	—	a.
11	30° 409	30° 431	47.4	39.9	39.9	54.0	.251	.199	78	81	N 2	WNW 2	4	0	—	a.
12	30° 2	30° 3	45.5	47.4	34.8	53.9	.301	.281	99	87	SW 4	NW 2	10	1	—	Squally a. 2 a. and p.
13	30° 259	30° 074	38.4	31.4	30.2	47.7	.155	.108	70	62	NE 3	W 2	1	0	—	a.
14	29° 863	29° 701	46.4	43.2	34.0	50.0	.217	.250	70	89	SSW 3	SW 3	4	3	—	0° 11 a. — 11.15 a. [— 5 p. D p.
15	29° 718	29° 911	49.8	43.3	43.1	56.6	.304	.288	85	92	SW 3	SW 1	7	3	.010	Prismatic 0.8, 3.5 a. — 9.10 a. and 10.45 a.
16	30° 002	30° 015	47.2	45.0	43.3	49.8	.312	.253	97	94	SSW 2	SSW 3	10	9	.020	a. Scotch 2 a. on hills a. and p.
17	29° 865	29° 720	40.9	43.6	39.5	45.9	.250	.284	100	100	ENE 2	NE 1	10	8	—	a. Scotch 2 a. on hills a. and p.
18	30° 685	30° 715	48.1	45.4	42.0	51.3	.294	.279	88	93	NE 3	NE 2	4	10	.010	2 a. all day. [after 11 p.
19	30° 729	30° 785	46.9	44.9	43.5	50.4	.285	.255	90	86	NE 3	NE 5	10	8	—	0° 5 p. — 6 p. 2 a.
20	30° 862	30° 809	43.3	44.9	39.8	53.8	.183	.221	65	75	NNE 4	N 3	5	9	—	0° 11 a. — 11.15 a. [— 5 p. D p.
21	30° 772	30° 805	36.9	35.2	35.1	44.9	.188	.187	86	91	NNE 5	NNE 5	10	10	—	a. Scotch 2 a. on hills a. and p.
22	30° 825	30° 824	35.5	35.7	34.1	36.0	.166	.162	80	78	NE 6	ENE 7	10	10	—	a. Scotch 2 a. on hills a. and p.
23	30° 848	30° 840	32.1	30.1	30.1	35.9	.117	.131	65	78	ENE 6	NE 5	10	10	—	0° 5 p. — 6 p. 2 a.
24	30° 803	30° 730	31.9	32.9	29.8	33.9	.143	.162	78	87	ENE 4	ENE 4	10	10	—	0° 11 a. — 11.15 a. [— 5 p. D p.
25	30° 618	30° 519	36.8	37.9	32.7	39.0	.189	.200	87	88	E 4	E 6	9	10	—	a. Scotch 2 a. on hills a. and p.
26	30° 494	30° 603	36.8	38.1	36.0	41.0	.199	.186	91	81	ENE 5	NNE 4	10	10	.020	a. Scotch 2 a. on hills a. and p.
27	30° 753	30° 648	38.9	42.9	34.0	46.1	.185	.265	79	96	NE 1	S 5	6	10	.180	a. Scotch 2 a. on hills a. and p.
28	30° 680	30° 825	49.0	42.9	42.9	56.6	.286	.245	81	89	WSW 5	SW 3	7	1	.030	a. Scotch 2 a. on hills a. and p.
29	30° 691	30° 632	47.0	44.5	42.0	54.7	.286	.277	90	95	SSW 4	SW 3	9	9	.010	a. Scotch 2 a. on hills a. and p.
30	30° 618	29° 662	48.9	41.5	41.5	54.6	.263	.238	76	92	SW 3	WSW 2	8	5	—	0° 9 a. — 6 p. U 7.30 p. — 10 p. D p.
Means	29° 994	29° 986	42.6	40.8	36.5	48.9	.231	.228	83.2	87.8	3.1	3.1	6.7	6.1	0.560	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## LONDONDERRY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

MARCH 1879.

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.	33°	40°	30°	43°	ins.	ins.	100	100	WSW 1	SW 2	0	10	ins.	U op.
2	30°082	30°041	33°	40°	30°	43°	176	210	91	83	WSW 1	SW 2	0	10	ins.	U op.
3	29°824	29°692	43°	41°	39°	48°	266	233	93	89	WSW 3	SSW 4	6	10	ins.	* showers in past n. U op.
4	742	800	36°	39°	34°	42°	188	201	87	82	WSW 3	SSW 4	6	10	ins.	* in past n.
5	516	618	49°	44°	38°	50°	304	296	85	100	SSW 5	Calm	0	10	ins.	* during day.
6	29°531	29°789	47°	41°	40°	50°	291	216	90	82	WSW 3	W 4	4	3	ins.	* during day.
7	30°038	30°200	41°	43°	37°	48°	209	235	79	82	WSW 3	W 4	4	3	ins.	* during day.
8	439	525	42°	44°	39°	52°	249	260	91	89	WSW 2	SW 1	1	2	ins.	* during day.
9	392	254	44°	47°	37°	50°	237	272	80	84	SW 2	SW 4	0	1	ins.	Fine.
10	286	320	46°	45°	43°	48°	258	227	83	76	SW 3	WSW 4	4	9	ins.	* showers in past n. U op.
11	240	220	44°	41°	41°	46°	267	237	93	90	SW 4	SW 1	10	0	ins.	* in past n.
12	30°374	30°210	42°	43°	38°	46°	224	240	84	86	SW 2	SW 1	4	10	ins.	* during day.
13	29°931	30°262	49°	37°	36°	49°	290	167	82	76	W 4	NNE 1	8	5	ins.	* during day.
14	30°420	30°262	34°	40°	30°	45°	158	241	78	96	NW 1	SW 1	0	10	ins.	* during day.
15	30°197	29°846	34°	42°	33°	43°	179	261	90	95	E 2	SW 1	10	4	ins.	* during day.
16	29°539	29°537	43°	37°	37°	47°	264	202	92	90	SW 2	E 2	10	10	ins.	* during day.
17	701	917	36°	36°	34°	39°	187	187	87	87	NE 4	NE 4	10	10	ins.	* during day.
18	967	874	37°	36°	33°	38°	194	218	86	100	E 3	Calm	0	10	ins.	* during day.
19	784	687	37°	39°	38°	44°	209	227	92	93	NNE 1	Calm	0	10	ins.	* during day.
20	29°821	29°959	40°	36°	36°	45°	226	210	89	97	NNE 1	Calm	0	10	ins.	* during day.
21	30°018	30°059	40°	39°	33°	44°	230	229	94	100	NE 2	E 1	6	10	ins.	* during day.
22	025	29°907	37°	44°	31°	48°	208	296	92	100	SW 2	E 1	6	10	ins.	* during day.
23	062	30°082	39°	34°	33°	45°	201	176	84	89	ENE 2	NE 1	10	1	ins.	* during day.
24	140	135	35°	33°	31°	41°	161	139	78	72	ENE 2	NE 1	10	1	ins.	* during day.
25	111	30°130	34°	33°	30°	36°	148	176	72	94	E 3	ENE 3	7	10	ins.	* during day.
26	30°030	29°846	33°	31°	29°	35°	167	152	86	86	E 3	E 2	7	10	ins.	* during day.
27	29°769	29°820	33°	32°	30°	37°	171	139	88	74	NE 3	NE 2	10	10	ins.	* during day.
28	782	761	34°	33°	28°	38°	154	168	78	87	ENE 2	Calm	0	6	ins.	* during day.
29	660	145	36°	41°	25°	42°	144	242	67	92	SE 2	S 4	2	6	ins.	* during day.
30	400	394	44°	38°	35°	47°	216	205	72	88	SW 3	S 3	1	5	ins.	* during day.
31	116	329	43°	39°	37°	48°	226	222	79	91	SW 2	WSW 3	7	10	ins.	* during day.
Means	29°912	29°907	40°	39°	34°	45°	214	217	84°	88°	2°	1°	6°	6°	2°	2°

## MARKREE CASTLE.

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

MARCH 1879.

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°	40°	29°	47°	192	210	87	84	Calm	WSW 2	1	8	ins.	* a. U op.
2	45°	40°	39°	49°	28°	52°	234	224	92	93	SSW 4	S 2	10	6	ins.	* a. U op.
3	38°	39°	33°	46°	19°	51°	191	215	83	90	WNW 3	SSW 3	1	10	ins.	* a. U op.
4	49°	50°	39°	52°	31°	53°	236	210	92	84	SW 5	SW 4	10	10	ins.	* a. U op.
5	46°	40°	39°	51°	28°	54°	223	247	81	84	S 2	S 2	10	1	ins.	* a. U op.
6	42°	44°	34°	53°	23°	54°	223	247	81	84	S 2	SSW 2	1	0	ins.	* a. U op.
7	41°	43°	32°	56°	25°	57°	252	252	97	89	S 1	S 2	0	7	ins.	* a. U op.
8	42°	46°	34°	51°	21°	56°	219	266	82	86	S 3	S 2	0	10	ins.	* a. U op.
9	45°	42°	40°	59°	27°	59°	279	211	92	79	SSW 3	SSW 1	10	9	ins.	* a. U op.
10	44°	43°	40°	51°	28°	56°	262	262	97	94	S 1	WNW 1	4	10	ins.	* a. U op.
11	41°	46°	34°	51°	23°	59°	234	292	89	94	Calm	SSW 2	4	10	ins.	* a. U op.
12	50°	36°	35°	51°	31°	51°	312	188	86	88	W 4	N 2	10	0	ins.	* a. U op.
13	36°	44°	21°	45°	17°	50°	171	260	79	89	ENE 2	SW 1	2	10	ins.	* a. U op.
14	40°	46°	39°	47°	23°	52°	236	272	95	88	S 2	SW 1	10	10	ins.	* a. U op.
15	42°	42°	40°	52°	24°	55°	251	251	90	93	SW 1	Calm	0	10	ins.	* a. U op.
16	36°	37°	35°	42°	29°	50°	192	205	88	91	E 3	Calm	0	10	ins.	* a. U op.
17	38°	37°	34°	40°	21°	50°	207	207	93	94	E 1	Calm	0	10	ins.	* a. U op.
18	41°	40°	31°	50°	24°	53°	223	223	93	90	SE 2	Calm	0	8	ins.	* a. U op.
19	39°	40°	30°	53°	21°	58°	216	216	88	87	SE 1	Calm	0	6	ins.	* a. U op.
20	39°	39°	31°	49°	21°	53°	206	206	89	86	Calm	Calm	0	10	ins.	* a. U op.
21	37°	44°	25°	51°	19°	57°	179	273	78	93	E 1	Calm	0	10	ins.	* a. U op.
22	40°	33°	33°	45°	21°	52°	145	145	79	74	E 1	E 2	7	0	ins.	* a. U op.
23	35°	33°	27°	41°	16°	45°	156	156	77	83	E 1	E 3	6	5	ins.	* a. U op.
24	32°	33°	30°	37°	15°	45°	155	155	85	82	E 3	ENE 1	10	10	ins.	* a. U op.
25	34°	30°	29°	38°	14°	47°	155	155	74	91	E 1	E 3	6	5	ins.	* a. U op.
26	35°	33°	28°	40°	15°	47°	152	152	77	83	E 1	E 3	6	5	ins.	* a. U op.
27	35°	31°	29°	42°	15°	47°	152	152	77	83	E 1	E 3	6	5	ins.	* a. U op.
28	32°	46°	23°	47°	16°	48°	160	281	86	88	ESE 3	SSE 4	4	10	ins.	* a. U op.
29	43°	37°	35°	48°	22°	50°	204	204	79	91	SW 3	SSW 4	4	10	ins.	* a. U op.
30	45°	38°	35°	51°	25°	54°	211	211	86	92	SSW 5	W 1	10	3	ins.	* a. U op.
31	46°	38°	33°	49°	25°	54°	221	221	82	96	SW 3	W 1	9	1	ins.	* a. U op.
Means	40°	40°	33°	48°	22°	52°	223	223	85°	88°	2°	1°	7°	6°	2°	2°

MARCH.

41

DUBLIN.

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

MARCH 1879.

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.	35°	38°	31°	43°	ins.	ins.	100	100	W by N 2	W 3	0	2	ins.	Very fine, bright and pleasant.
2	30°112	30°134	35°	38°	31°	43°	182	187	88	80	WSW 4	SW 6	6	8	ins.	p. force 8 in the squalls.
3	29°859	29°776	42°	45°	37°	48°	217	249	79	83	WSW 4	SW 6	3	8	ins.	Peculiar "bronze" ∞ over the sky a.
4	789	812	49°	42°	39°	54°	282	305	80	76	WSW 5	swbyW 5	9	10	ins.	a. and p. Very warm p.
5	29°703	29°916	52°	41°	40°	54°	319	197	81	77	SW 6	W 5	10	0	ins.	a. and p. Much cooler after 2p.
6	30°180	30°289	43°	46°	38°	50°	208	258	75	81	W by S 4	W 3	0	3	ins.	7.30 p.
7	512	564	44°	41°	39°	51°	262	232	90	90	W by N 2	E 1	1	0	ins.	∞ p. [evening.
8	458	394	44°	44°	37°	50°	214	227	72	77	SE 2	Calm	0	0	ins.	a. Brilliant day. ∞ in
9	382	435	50°	47°	43°	52°	284	232	79	72	W 4	W 4	5	5	ins.	a. and p.
10	332	224	49°	48°	43°	52°	296	310	85	93	WSW 4	WNW 3	8	8	ins.	a. and p. Luminous clouds op.
11	427	306	41°	48°	38°	50°	230	270	89	81	W 3	W 3	0	10	ins.	[W 11.30 p.
12	028	297	51°	48°	38°	55°	318	187	84	80	W 6	N 2	4	0	ins.	with squalls a. and p. Partial
13	450	30°312	36°	42°	31°	47°	176	206	82	77	WNW 2	W 4	5	10	ins.	[ga. Humidity 57 at 3.30p.
14	30°171	29°948	41°	44°	39°	44°	248	267	97	93	E 2	W? 3	10	10	ins.	
15	29°637	29°948	45°	47°	40°	52°	235	283	79	88	SW 4	WSW 3	10	6	ins.	
16	616	845	40°	43°	40°	47°	241	259	96	94	NEbyE 3	E 2	10	10	ins.	463 * 2 after ga.
17	852	899	41°	41°	42°	49°	250	234	95	88	E by S 3	W 1	10	4	ins.	* 2 8a. Sunny 11a.
18	780	677	42°	40°	39°	46°	263	237	98	96	E by S 1	Calm	0	10	ins.	D 2 p. after op.
19	792	29°910	40°	39°	37°	42°	245	229	99	96	ESE 2	N 1	10	0	ins.	before ga. ga. and p.
20	29°972	30°020	40°	40°	37°	42°	249	237	94	95	ENE 3	NNW 2	10	10	ins.	[D op.
21	30°040	29°929	36°	44°	33°	49°	204	246	95	85	W 2	WSW 2	9	10	ins.	a., cold. Fine and mild p.
22	013	30°023	40°	38°	38°	44°	186	166	74	72	ENE 4	E by N 5	10	8	ins.	very keen and searching, p.
23	040	050	37°	36°	36°	39°	163	150	73	69	ENE 5	ENE 7	10	5	ins.	with squalls a. and p. dry
24	30°018	30°036	33°	34°	32°	37°	153	142	81	72	E 6	E 5	10	10	ins.	with squalls a. and p. 8a. Bitterly cold day.
25	29°952	29°771	32°	33°	32°	36°	152	141	81	73	E 5	E 4	8	10	ins.	a. and p. showers a. and p.
26	684	695	36°	35°	32°	38°	143	146	67	80	E by S 4	E 5	9	10	ins.	Steady after top.
27	680	718	34°	37°	33°	37°	175	193	87	88	E 4	ENE 1	10	10	ins.	a. at times. ∞ p.
28	681	281	37°	43°	33°	43°	202	258	91	93	ESE 2	S 4	5	10	ins.	with squalls p. 9a. then 8a.
29	551	540	45°	42°	39°	51°	200	202	67	75	WSW 4	SW 5	2	4	ins.	later. 4p. with squalls later.
30	382	418	48°	44°	42°	52°	235	239	67	81	SW 5	SW 3	6	4	ins.	Temp. 51°4 at noon.
31	29°477	29°527	44°	43°	36°	52°	223	220	76	79	W by S 4	W 3	2	3	ins.	1p., temp. falling to 39°.
Means	29°954	29°942	41°	42°	37°	47°	224	223	83°4	82°6	3°5	3°2	6°5	6°2	1°827	a. and p. Hot sun occasionally p. Beautiful sunset.



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## LAUDALE.

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

APRIL 1879.

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.	44.8	41.0	34.0	48.0	251	235	85	92	Calm	N	1	5	ins.	before ga. ● 2 9p.
2	29.492	29.535	44.8	41.0	34.0	48.0	251	235	85	92	Calm	N	1	5	ins.	on hills last night.
3	29.580	29.543	41.8	35.0	33.0	48.2	235	188	89	92	WSW	W	1	7	200	
4	29.559	29.558	42.2	40.5	35.0	46.0	223	206	84	82	WSW	W	1	7	200	
5	29.677	29.537	43.7	42.0	40.4	49.9	241	280	84	87	Calm	SW	2	10	8	
6	29.688	29.235	46.1	47.0	40.2	48.5	265	263	86	85	SSE	SW	6	10	5	
7	29.684	28.884	46.0	46.2	40.2	48.5	265	263	86	85	SSE	SW	6	10	5	
8	29.604	29.604	46.2	46.0	41.8	50.9	238	244	77	79	ESE	E	3	10	10	
9	29.197	29.302	46.0	45.0	41.9	49.1	274	253	89	85	E	E	2	10	2	
10	29.643	29.802	43.0	48.0	33.7	48.0	225	146	81	44	E	E	5	10	2	
11	30.107	30.188	43.7	48.9	33.4	50.1	175	200	86	91	Calm	E	2	4	0	
12	30.158	30.158	40.8	37.0	32.2	49.0	217	200	86	91	Calm	E	2	4	0	
13	30.058	29.946	40.1	36.8	31.2	46.4	210	154	85	70	NE	NE	4	0	0	
14	29.943	29.943	39.4	40.0	34.0	40.5	158	189	66	76	NE	NE	2	0	0	
15	29.857	29.857	39.2	39.5	31.0	44.5	179	177	75	73	E	N	2	8	9	
16	29.704	29.704	41.2	37.0	35.4	48.1	196	200	76	81	Calm	N	1	0	7	
17	29.540	29.540	40.4	40.0	35.8	47.9	220	207	88	84	S	N	1	0	6	
18	29.739	29.739	43.2	38.0	31.0	47.1	204	190	74	83	E	E	1	4	0	
19	29.917	29.917	42.0	35.0	34.9	45.1	197	214	71	72	E	E	3	0	0	
20	29.820	29.820	43.0	45.0	34.9	45.1	197	214	71	72	E	E	3	0	0	
21	29.501	29.501	48.0	40.0	34.7	50.1	224	172	66	72	E	E	3	4	10	
22	29.685	29.685	43.5	45.0	39.2	50.3	187	214	66	72	E	E	3	4	10	
23	29.603	29.603	44.0	41.8	39.3	52.1	191	191	66	73	E	E	2	10	10	
24	29.537	29.537	44.0	42.0	39.8	48.8	202	205	70	77	E	E	4	3	8	
25	29.869	29.869	43.0	42.5	40.0	50.1	211	224	77	83	ESE	ESE	4	10	10	
26	29.877	29.877	44.6	46.0	36.8	47.1	222	269	75	87	ESE	W	2	3	6	
27	29.599	29.599	40.0	49.0	41.9	55.1	205	276	74	79	ESE	W	2	3	6	
28	29.993	29.993	47.0	42.0	40.0	52.8	253	225	79	85	SE	E	5	8	6	
29	30.127	30.127	44.0	46.0	31.4	52.9	224	235	77	76	E	W	3	5	6	
30	30.111	30.111	39.0	44.2	33.6	50.3	181	222	77	76	Calm	WNW	1	5	9	
Means	29.731	29.727	43.5	42.4	36.2	49.3	218	216	77.3	79.5	2.3	2.4	5.1	5.3	2.250	

## GLENALMOND.

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





















APRIL 1879.

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	29.458	29.611	41.4	37.7	36.9	50.3	210	195	81	86	W	3	Calm	0	5	Perfectly lovely day.
2	29.587	29.587	43.0	37.4	32.3	47.7	215	176	78	79	W	1	W	2	6	Very fine day.
3	29.588	29.588	40.8	38.8	27.9	46.0	182	188	71	80	SW	2	WSW	4	3	early a. Very fine day.
4	29.628	29.628	42.2	45.0	31.2	48.5	210	273	79	91	SW	3	SW	4	9	
5	29.573	29.573	42.7	44.0	41.8	46.0	257	257	93	81	S	2	S	3	10	
6	29.575	29.575	44.5	43.6	41.5	45.1	259	259	89	91	SSW	2	SE	3	10	
7	29.511	29.511	46.4	39.9	36.5	46.7	238	227	76	93	E	3	E	4	6	
8	29.244	29.244	40.1	38.6	38.0	40.5	246	234	99	100	NE	4	ENE	2	10	
9	29.704	29.704	36.3	37.3	35.4	38.6	212	212	99	95	E	4	E	2	10	
10	30.103	30.241	37.1	35.7	34.9	46.0	192	191	87	91	E	3	Calm	0	9	
11	29.566	29.566	40.8	33.0	32.3	49.6	160	167	63	89	ENE	1	Calm	0	6	
12	30.052	30.052	33.5	32.0	31.0	42.0	178	157	93	87	NE	3	NE	4	8	
13	29.914	29.914	32.2	33.9	27.5	37.2	169	175	93	89	NE	6	NE	1	10	
14	29.844	29.844	32.2	33.9	27.5	37.2	169	175	93	89	NE	2	ENE	2	6	
15	29.700	29.700	37.8	34.7	32.4	40.8	157	186	68	92	E	1	Calm	0	10	
16	29.568	29.568	42.5	33.1	27.9	48.2	189	189	70	100	SSW	1	E	1	4	
17	29.692	29.692	38.1	32.8	30.0	42.3	170	147	74	79	N	2	SW	1	6	
18	29.985	29.985	40.3	33.3	28.0	46.2	175	170	70	89	ENE	1	ESE	1	9	
19	29.902	29.902	38.3	36.0	31.8	50.0	179	189	78	89	E	1	E	1	9	
20	29.624	29.624	38.8	35.8	32.5	44.2	211	177	90	84	ESE	2	E	1	10	
21	29.640	29.640	41.0	40.0	32.0	48.7	164	164	66	66	E	1	ESE	1	10	
22	29.624	29.624	39.0	36.5	34.5	40.7	186	197	79	92	E	1	E	1	10	
23	29.573	29.573	38.0	37.3	33.5	41.5	173	197	75	89	E	3	SE	1	8	
24	29.955	29.955	39.3	37.3	35.2	49.5	225	207	94	93	E	3	SE	1	10	
25	29.905	29.905	40.5	41.5	34.5	42.2	217	262	87	100	ESE	1	Calm	0	10	
26	29.615	29.615	49.0	41.3	39.5	45.7	231	211	82	83	ENE	3	NE	4	10	
27	29.824	29.824	43.3	41.0	38.5	45.7	231	211	82	83	ENE	3	NE	4	10	
28	30.175	30.175	43.8	36.0	35.5	46.7	207	180	72	85	NW	3	W	1	7	
29	30.314	30.314	44.5	39.5	34.5	47.2	185	194	63	80	NW	3	W	1	7	
30	30.275	30.275	44.8	37.0	32.5	47.7	191	200	64	91	E	3	E	3	6	
Means	29.760	29.778	40.5	37.5	33.8	45.1	201	200	79.5	88.3	2.3	1.7	8.0	8.0	2.650	

## DOUGLAS, ISLE OF MAN.

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

APRIL 1879.

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.	0 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	29°57.2	46°2	36°0	35°0	50°4	250	206	81	97	W 2	Calm 0	2	3	ins.
2	°606	°610	42°0	34°8	32°0	47°4	231	186	87	92	WSW 1	W 1	10	0	°048	 p. 10 a.—Noon.— 9 p.
3	°621	°667	42°8	37°3	31°0	49°3	223	203	81	92	NW 1	Calm 0	2	1	—	 p.
4	°705	°738	47°1	44°4	37°3	49°5	265	267	82	91	WSW 3	SW 1	7	10	°130	
5	°587	°437	44°5	44°1	41°9	46°7	286	278	98	96	S 5	SSW 4	10	10	°199	 p.  0 all day.
6	29°183	29°067	43°1	42°2	41°6	45°3	269	243	97	90	ESE 5	SW 2	10	9	°127	
7	28°964	28°940	45°1	46°2	38°1	49°0	230	267	76	86	NE 4	E 3-4	10	7	°404	
8	29°113	29°377	43°1	43°7	42°8	46°8	276	267	99	93	E 2	ESE 1	10	10	—	
9	°506	30°710	44°0	40°0	36°4	44°2	265	226	92	92	Calm 0	NE 5	10	10	°035	 9 a.
10	29°895	30°155	41°9	37°2	37°1	45°9	220	180	84	81	NE 6	E 3	3	2	—	 a.
11	30°245	30°130	37°8	39°0	35°4	45°2	186	218	82	92	Calm 0	W 1	10	7	—	 10 a.
12	29°958	29°844	39°5	34°9	33°9	42°8	176	152	73	75	NNE 4	NE 3	9	7	°046	 9 a.  3 p.  Δ at night.
13	°761	°700	35°8	37°7	30°7	39°2	154	166	72	73	ENE 5	E 5	3	4	—	 0 p.
14	°731	°670	39°0	37°5	32°4	42°7	186	199	79	89	NE 3-4	ENE 3	7	6	—	
15	°646	°624	41°4	39°5	35°4	43°5	180	198	69	82	ENE 2-4	NE 1	8	10	—	
16	°589	°582	43°5	38°4	32°4	43°5	212	216	75	93	Calm 0	W 1	6	3	°074	 2 a.
17	°675	°831	45°0	38°0	36°3	47°5	202	199	68	87	NE 2	Calm 0	3	7	—	
18	°944	°905	41°5	41°5	35°0	44°8	200	227	77	87	ESE 3	ESE 3	7	0	—	
19	°810	°577	42°0	44°5	38°9	46°9	235	238	89	81	SE 5	E 4	6	9	—	
20	°407	°428	41°6	39°8	39°4	44°5	236	230	90	93	E 6	E 5	10	10	°685	 7-30 a. Mountains covered with  .
21	°542	°599	39°7	44°0	36°3	45°7	197	80	68	E 4-5	ENE 3	E 3	10	10	—	 9 a.
22	°550	°461	43°1	43°4	35°0	46°7	201	217	72	77	E 3	ENE 3	5	10	°025	
23	°466	29°553	41°2	43°9	40°5	48°0	242	242	94	84	ENE 2	ENE 5	10	10	°033	
24	°839	30°071	44°4	35°8	35°5	47°1	260	195	89	93	Calm 0	Calm 0	10	0	°020	 9 a.
25	°924	29°683	44°5	41°0	32°4	46°3	277	255	94	99	SE 3	NE 1	10	3	°433	
26	°596	°573	44°8	45°0	35°9	50°7	291	249	98	84	Calm 0	ENE 3	10	3	—	 9 a. and before.
27	29°741	29°907	45°0	42°3	37°8	51°8	253	242	85	90	NE 4-5	NE 5	10	2	—	
28	30°091	30°280	45°3	46°1	41°8	52°0	247	207	82	67	NE 3	ENE 2	10	2	—	
29	°332	°304	46°5	43°9	40°1	51°7	244	217	77	76	E 1	NNW 5	8	8	—	 9 a.
30	30°263	30°182	49°5	42°0	39°1	50°8	226	241	64	91	NNE 2	E 3	4	10	—	 0 4-30 p.  0 1 p.
Means	29°695	29°708	43°0	40°8	36°6	46°9	231	221	82°9	86°4	2°8	2°5	7°7	6°1	2°359	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 24' N.  
APRIL 1879.

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°	41°	31°	51°	ins.	ins.	79	85	SSW 1	SW 1	2	8	ins.	
2	29°651	29°638	44°	41°	31°	51°	230	227	95	92	S 1	NW 1	10	9	0.015	[fine later.
3	29°629	29°595	40°	40°	39°	51°	234	227	95	92	E 1	Calm	10	0	—	ga. and before. p. Very
4	29°664	29°662	39°	37°	30°	48°	240	200	100	88	E 1	Calm	10	0	—	Very fine day.
5	29°772	29°816	42°	38°	30°	53°	189	184	71	79	WSW 2	SSW 1	10	10	0.024	
6	29°781	29°816	43°	45°	33°	51°	255	290	92	95	S 2	S 3	10	10	0.232	p.
7	29°453	29°415	47°	44°	37°	49°	292	286	91	98	SE 4	E 1	10	3	0.258	
8	29°876	29°877	44°	44°	40°	55°	288	286	100	98	SE 2	NE 1	5	9	0.265	
9	29°199	29°410	51°	43°	41°	54°	317	264	85	95	ENE 1	ENE 3	10	10	0.800	ga. and p.
10	29°639	29°639	38°	38°	37°	43°	229	230	99	100	ENE 1	ENE 4	10	8	0.057	a. and p.
11	29°860	29°860	35°	31°	31°	39°	200	152	63	89	ENE 2	NW 1	2	3	0.105	p.
12	29°197	29°142	34°	30°	30°	41°	135	125	63	89	NE 1	E 1	10	3	0.035	a. and p.
13	29°937	29°819	30°	30°	29°	38°	172	129	100	74	ENE 4	ENE 1	10	9	0.023	p.
14	29°750	29°779	34°	32°	32°	38°	160	200	76	96	ENE 2	ENE 1	9	10	0.154	
15	29°691	29°634	35°	35°	32°	38°	221	221	97	98	ENE 1	NW 1	10	10	0.074	
16	29°584	29°577	37°	37°	34°	40°	214	221	93	96	N 1	NW 1	10	1	0.086	
17	29°539	29°553	38°	35°	35°	44°	218	196	93	94	NW 2	NW 2	8	3	0.021	
18	29°588	29°590	40°	36°	34°	43°	205	198	83	94	NW 2	ENE 1	10	2	0.014	
19	29°898	29°886	38°	37°	32°	42°	209	214	91	96	NW 2	ENE 1	10	1	—	
20	29°947	29°935	38°	36°	31°	47°	187	206	81	97	SSE 2	ESE 1	10	1	0.114	
21	29°507	29°493	40°	36°	33°	42°	239	208	95	97	SE 3	NE 2	10	10	—	
22	29°548	29°613	39°	38°	35°	44°	224	224	84	97	NE 2	NW 1	10	0	—	
23	29°577	29°555	41°	38°	30°	45°	223	204	85	87	NW 1	ESE 1	10	10	0.012	
24	29°510	29°581	44°	39°	37°	52°	221	220	94	87	NNE 1	NE 1	10	10	—	
25	29°818	29°810	38°	38°	35°	49°	221	220	94	87	SSE 2	SSE 4	10	10	0.170	
26	29°072	29°796	47°	43°	36°	56°	269	271	84	95	W 1	E 1	6	9	—	
27	29°665	29°613	51°	44°	42°	58°	289	261	75	90	NE 1	NNE 2	10	10	0.027	
28	29°713	29°807	40°	39°	38°	45°	249	231	98	95	NE 1	NNE 2	10	10	—	
29	29°026	29°242	44°	38°	38°	47°	238	215	80	94	NNE 2	ENE 1	9	7	—	
30	29°334	29°318	46°	40°	36°	51°	220	182	71	73	NNW 2	ENE 1	6	10	0.002	
Means	29°720	29°741	41°	38°	34°	47°	224	214	86°5	90°9	1°9	1°6	8°6	6°7	2°728	

## LLANDUDNO.

Height above Mean Sea Level, 88 feet. Long. 3° 50' W. Lat. 53° 20' N.  
APRIL 1879.

APRIL 1879.

1	29°605	29°620	49°4	44°0	37°0	52°0	*258	*243	73	84	W 2	NW 1	1	0	—
2	29°600	29°589	45°7	39°8	36°0	46°0	*246	*209	81	86	W 1	NW 0.4	5	0	—
3	29°627	29°688	44°0	39°3	31°0	48°9	*228	*201	78	84	NW 0.8	N 0.2	3	0	—
4	29°756	29°760	47°3	43°0	33°0	51°0	*263	*233	81	83	W 2	SW 1	9	4	—
5	29°591	29°490	49°5	45°8	36°8	52°0	*274	*273	78	89	W 4	W 3	10	1	0.020
6	29°137	29°099	50°2	44°4	39°0	52°5	*267	*235	74	81	S 3	SW 2	10	10	0.060
7	29°891	29°908	41°0	47°1	38°5	53°2	*257	*268	100	83	NE 4	SW 1.2	10	5	0.030
8	29°149	29°360	46°3	46°0	43°0	50°0	*278	*264	90	86	SW 1.2	S 2	9	8	—
9	29°490	29°645	44°0	40°2	39°5	48°0	*265	*244	92	98	N 1	SE 4	10	6	—
10	29°888	29°102	39°4	38°5	37°7	41°4	*209	*200	87	86	E 5	E 5	10	10	—
11	29°235	29°162	37°1	37°5	34°4	42°0	*151	*214	68	96	E 4	E 0.4	5	10	0.010
12	29°920	29°814	38°8	35°2	34°2	40°0	*188	*188	80	92	E 0.6	E 1	10	10	0.080
13	29°704	29°732	35°5	37°3	30°0	37°6	*174	*179	84	81	E 2	E 5	10	10	0.100
14	29°687	29°612	38°0	40°0	33°0	40°0	*175	*188	76	76	E 5	E 2	5	10	—
15	29°592	29°604	39°2	38°2	37°0	41°5	*188	*208	79	91	E 2	E 0.2	10	10	—
16	29°581	29°581	45°5	42°2	37°0	47°0	*244	*223	81	84	NNW 1.6	N 1.6	4	10	—
17	29°657	29°828	45°6	40°0	39°0	47°0	*245	*222	80	90	NW 1.2	NW 0.4	4	1	0.030
18	29°907	29°903	44°7	41°3	36°0	45°7	*218	*194	74	76	E 1.6	E 0.4	1	1	—
19	29°785	29°883	41°2	44°2	36°0	55°7	*255	*218	67	75	S 2	S 1.6	2	1	0.240
20	29°356	29°394	41°8	42°0	39°8	45°0	*243	*245	92	92	E 1.4	E 2	10	10	—
21	29°506	29°584	41°1	42°9	39°1	47°0	*220	*235	85	85	E 2.4	SE 1.2	10	10	0.010
22	29°500	29°473	46°1	45°0	39°2	54°0	*252	*247	82	83	E 1	SW 0.4	2	10	0.220
23	29°430	29°554	45°4	44°3	40°7	47°0	*292	*277	96	96	E 0.6	E 2	10	0	—
24	29°835	29°906	45°8	42°2	41°0	48°0	*269	*238	88	89	N 1	N 0.6	10	0	0.150
25	29°934	29°733	49°0	48°1	38°5	55°7	*260	*285	75	85	S 3	SW 2	10	9	0.010
26	29°626	29°550	46°8	47°9	41°8	52°5	*284	*273	89	83	SW 1	NE 1	10	2	—
27	29°705	29°874	45°3	46°4	43°0	49°4	*278	*281	92	90	E 1	N 1	10	7	—
28	29°663	29°258	44°4	45°4	43°0	46°8	*261	*230	89	75	NE 1	NE 1	10	0	—
29	29°340	29°348	48°4	42°8	38°6	53°0	*231	*199	69	72	W 1	N 1	10	0	—
30	29°247	29°173	47°7	42°4	41°6	50°2	*257	*237	78	88	SE 1	N 1	5	2	—
Means	29°680	29°704	44°5	42°4	37°8	48°0	*241	*232	81°9	85°3	1°9	1°5	7°5	5°6	1°490

Very fine and sunny.

Very fine and bright.

Very cold.

Very cold.

Bright but very cold wind. [seen.]

Cold and stormy at times. ⚡

Cold and stormy. \*

Hills covered with \*

Hills covered with \*

Fine, but cold wind.

Fine, but cold wind.

Fine, but cold wind.

Very fine day, ☉ at night.

Very wet.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

Very fine.

## APRIL.

## BUXTON.

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

## APRIL 1879.

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.	
2	29°638	29°685	44°4	39°7	34°4	52°8	in. 208	in. 224	71	92	W 3	Calm 0	5	10	ins. 100	
3	°638	°621	42°5	37°9	33°0	48°3	°195	°206	73	90	W 2	NW 1	3	10	—	
4	°637	°728	36°3	34°1	31°8	49°1	°193	°164	91	83	NW 2	Calm 0	6	0	—	☼ 97.
5	°786	°825	39°9	37°9	26°0	52°2	°182	°210	74	92	W 2	Calm 0	7	4	—	
6	°751	°613	45°4	43°4	36°5	51°1	°256	°259	85	92	SW 5	SW 3	7	5	°110	
7	29°405	°230	42°9	38°5	35°8	45°7	°256	°185	93	80	SSW 4	SW 2	10	2	°240	☼ 98.
8	29°932	°058	43°4	41°9	33°0	52°4	°270	°225	96	85	E 3	S 1	10	4	°270	
9	29°293	°454	45°5	37°7	36°6	50°7	°253	°208	83	92	SW 1	SE 1	8	2	°100	
10	°546	29°675	37°5	36°4	34°8	43°5	°214	°207	96	96	E 2	E 4	10	10	°135	
11	29°872	30°140	33°9	30°7	29°5	37°8	°176	°144	90	84	E 3	E 3	10	10	°020	✱ 99.
12	30°228	30°176	32°1	32°3	27°0	40°0	°179	°176	99	97	NE 4	NW 1	4	3	—	
13	29°953	29°829	32°0	27°9	26°8	38°2	°156	°124	85	82	NW 1	E 1	10	2	°020	✱ 99. and p.
14	°734	°797	28°9	29°4	19°9	33°1	°133	°137	84	85	SE 3	E 1	10	4	°280	✱ a. and p.
15	°710	°658	31°9	32°7	27°0	36°5	°154	°170	86	92	E 1	E 1	8	8	°040	
16	°614	°626	31°7	33°4	31°7	35°4	°162	°178	91	94	E 2	SE 1	10	10	°120	✱ 99. and p.
17	°597	°629	35°7	33°9	31°8	40°0	°191	°169	92	85	NW 1	NW 1	8	2	°010	
18	°658	29°868	38°9	32°3	31°6	45°5	°191	°148	82	81	N 1	NW 1	6	2	—	
19	°944	30°011	37°9	35°9	24°0	44°9	°184	°193	81	92	NE 1	NE 1	3	8	—	
20	°930	29°718	37°4	36°7	32°2	49°1	°175	°182	78	83	SE 1	SE 1	8	2	—	
21	°461	°496	39°3	34°1	31°0	40°0	°210	°174	88	88	SE 2	SE 1	10	10	°410	
22	°571	°657	35°9	33°9	33°0	47°1	°185	°176	88	90	E 3	NE 1	10	0	—	
23	°533	°527	44°3	41°5	23°2	50°1	°176	°225	60	87	SE 1	E 1	5	10	°100	
24	°501	29°566	40°9	43°5	30°5	49°1	°134	°269	92	95	S 1	S 1	10	10	°400	☼ 99.
25	29°949	30°112	39°4	41°7	36°8	47°0	°223	°226	93	86	SE 1	NW 1	10	5	°030	
26	30°029	29°776	48°6	44°4	30°5	52°4	°295	°276	87	95	SW 1	SW 2	10	10	°320	
27	29°663	°622	50°9	39°3	38°5	53°2	°264	°228	71	96	W 1	SW 1	5	5	°065	
28	29°730	29°885	42°3	42°1	38°8	49°5	°257	°236	96	88	ESE 1	E 4	10	10	—	
29	30°066	30°284	41°3	35°7	35°4	49°0	°218	°173	84	82	E 4	E 1	10	3	—	☼ before 99.
30	°382	°332	38°1	40°9	35°0	52°0	°193	°204	84	80	E 2	N 1	10	10	—	
30	30°283	30°251	41°7	34°7	32°0	43°9	°185	°191	71	95	SE 3	SE 3	10	10	°390	✱ 99. and before.
Means	29°731	29°762	39°4	36°8	31°8	46°0	°206	°196	84°8	88°6	2°1	1°4	8°1	6°0	3°160	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

UPPINGHAM.

Height above Mean Sea Level, 484 feet. Long.  $0^{\circ} 44' W.$  Lat.  $52^{\circ} 35' N.$   
APRIL 1879.

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°5	43°0	34°5	52°1	in.	in.	90	90	swb.w 1	SW 1	1	10	ins.	[after 2 p.
2	29°651	29°626	44°5	43°0	34°5	52°1	*237	*213	80	77	SW 1	SW 1	1	10	—	☼ a. Bright a., ugly appearance
3	*618	*582	43°1	39°9	34°5	54°7	*233	*220	83	90	SW 1	Calm 0	0	8	—	☼☼☼ early a. ☼☼☼ 9 a., very shal
4	*582	*666	42°0	40°0	35°1	50°7	*233	*202	88	83	N by E 1	NW 1	8	7	—	☼☼☼ 9 a. and before. ☼ low, s.e. cloudless.
5	*783	*823	43°5	42°2	30°5	56°3	*187	*197	66	74	WSW 2	SSW 1	10	0	—	☼☼☼ early a. ☼ 9 a. Brilliant night.
6	*779	*638	46°4	46°5	36°3	51°0	*250	*304	83	96	SW 2	SSW 0.5	10	0	*013	Cold wind a. Wind very gusty 9 p.
7	29°446	*222	45°2	43°7	39°8	47°0	*275	*277	92	93	SW 4	S by E 1	10	9	*389	☼ early a. and at mid-day. ☼ 11 p.
8	29°961	*018	48°0	46°7	39°0	56°7	*353	*259	97	82	SE 3	SSE 1	10	9	*272	☼☼☼ 6 a.—7 a.
9	29°173	*393	47°5	46°1	44°7	55°2	*276	*230	84	74	SSW 1	W by S 1	7	5	*078	☼☼☼ 6 a.
10	*454	29°574	41°4	38°8	38°7	46°6	*252	*236	97	100	N by E 1	NE 2	10	10	*308	☼☼☼ Noon—3.45 p. [5.45 p.
11	29°766	30°056	37°1	31°0	30°7	30°4	*219	*139	99	79	N by E 3	ENE 4	10	10	*110	☼☼☼ ☼☼☼ showers all day. ☼*2
12	30°171	30°133	32°5	30°0	28°8	42°4	*127	*148	69	88	N by E 2	NE 1	10	2	*010	☼☼☼ early a. ☼*2 11.20 a.—3 p. Wind [very variable.
13	29°934	29°795	33°7	29°3	26°9	36°2	*178	*157	91	97	WSW 2	N by S 1	10	10	*519	☼☼☼ ☼☼☼ Noon. [Rapid thaw 2 p.
14	*648	*737	33°0	31°1	27°4	45°2	*188	*147	100	84	E by N 2	ENE 2	10	2	*043	☼*2 from 6 a. ☼ ins. deep. ☼☼☼ Noon. [Rapid thaw 2 p.
15	*637	*592	35°9	35°0	28°9	39°5	*178	*186	84	91	NE 3	ENE 2	10	10	*391	A few showers of ☼☼☼ (sleet).
16	*549	*549	36°5	37°9	32°2	47°0	*216	*235	100	99	N by E 1	NE 1	10	10	*010	*☼☼☼ a. Bright sun and rapid [thaw from 11 a. with great evapora- tion. ☼☼☼ 9 p.
17	*538	*568	37°9	37°6	33°8	42°8	*203	*182	89	80	N by W 2	NW 1	10	10	—	Cold wind, shifted to N.N.E., then by [7.30 p. back to N.W.
18	*600	*786	42°4	35°0	33°0	46°5	*221	*184	82	90	NNW 2	N by W 1	8	0	—	☼☼☼ a.
19	*890	*968	40°8	36°7	31°0	45°5	*201	*204	79	94	N by W 3	N by E 1	4	1	—	☼☼☼ a.
20	*917	*703	42°2	36°8	32°8	47°9	*218	*194	82	90	SSE 2	SE 1	9	0	*025	☼☼☼ p.
21	*447	*445	44°2	39°8	36°8	44°4	*248	*223	97	92	SE 2	N by E 1	10	10	*110	☼☼☼ p.
22	*515	*602	41°1	34°1	34°1	49°0	*212	*171	82	86	E by N 4	Calm 0	8	10	—	☼☼☼ a.
23	*577	*531	44°2	43°0	39°5	51°7	*236	*238	81	83	ESE 2	SE 2	8	10	—	☼☼☼ a.
24	*469	29°526	49°0	44°8	40°8	51°7	*387	*292	81	99	E by N 2	E by S 2	9	10	*596	☼☼☼ a.
25	29°777	30°085	43°6	42°4	38°8	50°9	*297	*258	90	96	E by N 1	E 0-1	10	9	—	☼☼☼ a.
26	30°060	29°792	48°1	43°6	37°2	55°5	*294	*284	88	100	SSE 1	S 3	10	10	*149	☼☼☼ a.
27	29°672	*590	50°4	44°2	39°0	57°2	*206	*259	82	90	W by S 3	Calm 0	4	1	*062	☼☼☼ before 9 a.
28	*654	29°837	51°5	40°0	36°1	55°4	*316	*247	83	100	E 2	N by E 3	9	10	—	☼☼☼ 4 a. Wind backing steadily, and
29	29°977	30°206	44°0	38°9	38°9	52°5	*242	*191	83	82	NE 3	N by S 3	10	5	—	☼☼☼ 9 a. [rising through the day. ☼☼☼ 7 p.
30	30°320	*293	46°1	43°9	34°5	54°4	*230	*240	74	84	N by S 3	N by S 2	7	10	—	
30	30°265	30°206	46°5	38°5	34°3	51°3	*238	*199	76	86	NE 1	ENE 1	7	10	—	
Means	29°694	29°718	42°7	39°4	34°1	49°2	*236	*217	85°4	88°7	2°1	1°4	8°3	6°9	3°085	

OSCOTT.

Height above Mean Sea Level, 460 feet. Long.  $1^{\circ} 51' W.$  Lat.  $52^{\circ} 33' N.$   
APRIL 1879.

APRIL 1874.																	
1	29°65'S	29°62'3	44°7	44°5	33°2	55°7	*238	*221	81	76	SW	3	S	1	4	10	∞ a.
2	*628	*597	43°0	40°4	34°1	48°6	*231	*238	90	95	SW	1	Calm	0	9	10	∞ a.
3	*617	*695	37°0	38°8	34°8	51°1	*207	*175	91	75	NW	1	N	2-3	10	0	∞ a.
4	*788	*817	42°1	42°1	30°0	56°0	*206	*232	77	87	SW	1-2	SSW	3	10	0	∞ a.
5	*749	*620	46°2	44°2	37°5	51°8	*272	*281	88	97	S	3-4	SSW	3	10	1	*030
6	29°36'0	*196	46°2	41°1	40°8	49°5	*283	*216	91	84	S-SSW	5-6	S	1	10	1	*330
7	28°84'3	*001	47°3	46°4	38°8	55°7	*322	*250	99	80	SE	3-4	E	2	10	9	*240
8	29°18'	*406	45°5	44°0	41°5	53°8	*270	*244	89	84	SW	2	Calm	0	9	3	*030
9	*477	29°60'2	43°0	39°1	38°7	44°8	*275	*239	99	100	NNE	2	NNE	3-4	10	10	*270
10	29°78'	30°07'0	37°0	32°0	31°5	39°2	*208	*137	95	75	NE	5	NE	6-7	10	10	*030
11	30°19'	30°14'0	32°8	30°1	30°0	40°0	*110	*176	59	82	ENE	5	ENE	2	10	8	*030
12	29°39'	29°78'8	34°3	30°2	30°0	37°0	*192	*144	97	86	WNW	2	ENE	2	10	0	*170
13	*636	*725	29°0	28°2	26°5	36°7	*157	*155	98	85	NNE	5	ENE	4	10	7	*080
14	*650	*598	34°9	35°0	29°6	38°9	*149	*184	73	90	NE	3-4	NE	2	10	6	*170
15	*566	*574	32°9	36°0	32°0	37°0	*186	*203	99	96	NNE	3	NNE	2	10	10	*020
16	*565	*603	38°3	34°3	33°0	41°1	*201	*169	87	84	N	2	NW	1	10	0	—
17	*636	*817	41°2	39°0	32°2	49°3	*201	*192	78	78	WNW	3	Calm	0	9	10	—
18	*030	*962	40°0	36°9	29°5	48°3	*174	*197	70	90	N-NNE	3	E	1	3	0	—
19	*905	*664	38°0	40°0	30°3	51°7	*213	*191	91	77	SE	3	E	3	9	0	—
20	*403	*456	39°4	39°2	36°6	44°0	*235	*236	98	88	ENE	3	E	2	10	10	*350
21	*523	*611	39°5	37°0	36°1	49°0	*200	*182	82	83	ENE	3	NE	1	10	0	—
22	*574	*514	43°2	43°6	31°0	51°2	*197	*252	71	89	SE	2	S	1	1	10	—
23	*452	29°51'4	46°1	45°5	41°5	50°4	*275	*295	80	98	E	2	Calm	0	10	10	*610
24	29°79'9	30°08'9	41°0	45°7	40°2	48°6	*246	*277	96	91	NNE	3	NNE	1	10	10	—
25	30°04'3	29°76'3	48°2	46°7	39°7	53°8	*285	*307	86	96	S	3	S	3	10	10	*050
26	29°66'4	*584	51°1	44°4	38°5	56°9	*277	*272	75	93	SW	3	Calm	0	7	1	*080
27	29°66'6	29°84'5	48°1	43°0	41°3	52°4	*288	*268	85	94	NNE	3	NNE	3-4	9	10	—
28	30°00'0	30°22'7	45°0	42°9	41°1	48°9	*237	*184	79	67	NNE	3	NNE	2	9	9	—
29	*345	*309	45°1	42°8	35°1	51°9	*198	*210	67	80	NE	3	NW	3	9	1	*010
30	30°26'6	30°19'5	43°4	40°4	35°2	48°4	*216	*220	77	88	ENE	1	ENE	1	4	10	*100
Means	29°69'S	29°72'0	41°5	40°2	35°0	48°1	*226	*219	85°2	86°6	2°9		1°9		8°7	5°9	2°78'0
<div>☉ a. and p.    *<sup>0</sup> showers from 3p. ☁ 5p. and 9p.    [10.30a.-1.30p. ☁ before 9p.    ☁ 9a. *<sup>0</sup> showers ☁ till 11a., 21 ins. deep at 9a. *<sup>0</sup> ☁ 3.15p.    [1p.-4p. Thawing later ☁ 6a.-9a.    * till noon. ☁ p ☁ 10.15a.    [* disappeared p</div>																	

CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long.  $3^{\circ} 5' W.$  Lat.  $52^{\circ} 31' N.$   
APRIL 1879.

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°	42°	36°	53°	in.	in.	°/°	°/°	SSW	SSW	2	8	ins.	
2	29°652	29°658	43°8'	42°2'	36°0'	53°1'	2443	2440	85	80	SSW	SSW	2	8	005	
3	'636	'629	43°6'	38°8'	36°5'	48°3'	2322	2320	89	95	SSW	NNW	2	7	001	
4	'665	'748	35°0'	35°2'	28°7'	51°2'	187	183	92	89	NNW	WNW	1	5	015	
5	'814	'838	39°5'	42°8'	28°0'	55°1'	204	238	85	87	S	SW	2	7	026	
6	'722	'613	47°1'	42°8'	39°1'	50°1'	280	238	87	87	S	SSW	2	10	069	
7	29°294	29°186	46°6'	39°8'	38°0'	52°1'	279	217	89	89	SSE	SSW	2	10	215	
8	28°840	28°988	44°7'	45°8'	35°7'	50°1'	255	268	86	88	E	SE	3	10	032	
9	29°191	29°424	43°5'	44°4'	40°5'	47°1'	247	265	87	91	S	S	1	8	100	
10	'514	'295	46°8'	39°3'	30°0'	48°1'	279	233	88	97	SW	NNE	3	5	087	
11	29°841	30°112	36°6'	33°3'	32°0'	40°1'	202	147	94	78	NNE	NNE	4	10	182	
12	30°229	30°198	32°9'	30°9'	29°0'	40°1'	166	134	89	77	E	N	2	6	045	
13	29°981	29°810	33°2'	31°9'	28°2'	38°1'	183	137	97	75	N	NE	2	10	046	
14	'677	'736	28°1'	34°1'	22°8'	37°0'	173	96	87	87	N	NE	4	10	144	
15	'083	'638	32°5'	35°9'	28°2'	37°4'	161	173	89	83	N	NNE	3	10	015	
16	'604	'632	34°1'	35°9'	32°5'	37°0'	186	190	95	91	NNE	N	3	10	035	
17	'601	'657	38°3'	37°4'	34°0'	43°8'	197	194	86	87	NW	W	3	6	—	
18	'682	'870	42°3'	37°5'	32°5'	46°3'	201	196	75	88	NW	NW	2	4	013	
19	'981	'961	36°9'	39°1'	27°0'	50°2'	141	187	65	79	NE	E	3	6	040	
20	'886	'639	39°6'	40°8'	32°0'	51°1'	205	182	85	71	SE	SE	4	6	050	
21	'417	'469	40°8'	41°1'	38°5'	45°8'	235	242	93	94	E	NE	3	10	135	
22	'581	'639	37°8'	43°0'	37°0'	47°1'	208	214	92	77	E	E	2	10	10	
23	'577	'493	41°8'	42°8'	34°5'	44°2'	192	238	74	87	SW	E	2	6	080	
24	'443	29°620	45°4'	45°3'	40°0'	49°4'	283	202	94	97	E	SW	2	10	084	
25	29°841	30°082	44°8'	40°6'	40°0'	49°2'	245	238	83	94	NNW	W	1	7	7	
26	30°049	29°527	40°6'	47°1'	33°5'	50°1'	261	295	83	91	SSW	W	3	8	8	
27	29°666	'595	45°8'	43°2'	40°5'	53°2'	265	261	86	93	S	S	2	7	5	
28	29°705	29°898	46°3'	45°6'	35°0'	54°1'	304	266	97	87	N	N	2	8	077	
29	30°092	30°293	43°8'	39°4'	38°7'	47°8'	233	231	81	96	N	N	2	10	4	
30	'369	'384	39°9'	39°9'	36°0'	53°1'	214	225	77	93	E	N	2	6	4	
30	30°285	30°196	43°1'	38°5'	34°0'	50°6'	225	221	81	95	NNW	NNE	3	6	8	
Means	29°717	29°746	40°8'	39°8'	34°0'	47°4'	223	218	86°7	87°7	2°6	2°4	7°7	6°8	1°599	

AUDLEY END.

Height above Mean Sea Level, 154 feet. Long.  $0^{\circ} 13' E$ . Lat.  $52^{\circ} 1' N$ .  
APRIL 1879.

1	29° 073	29° 064	45° 6	42° 8	40° 3	52° 0	*265	*253	87	92	SW	2	SW	1	6	10	—
2	*642	*582	39° 6	38° 1	34° 3	54° 4	*231	*224	95	97	SW	2	SW	1	10	10	☼ <sup>0</sup> a.
3	*576	*665	37° 6	38° 6	31° 2	49° 0	*221	*218	99	93	NW	1	NW	2	10	7	☼ <sup>0</sup> all a., then fine and clear.
4	*801	*921	44° 6	37° 6	29° 2	54° 1	*188	*211	64	94	NW	2	W	2	6	0	—
5	*825	*658	46° 3	47° 6	36° 2	53° 1	*274	*315	88	96	SW	1	S	2	10	10	*040
6	29° 508	*229	46° 9	43° 1	42° 9	51° 6	*274	*256	86	92	S	2	SE	1	10	0	*330
7	28° 960	*042	52° 2	47° 8	42° 3	59° 0	*353	*315	91	95	S	2	S	2	8	10	*140
8	29° 210	*380	48° 6	48° 9	42° 3	56° 7	*309	*259	91	75	SW	1	SW	2	10	3	*020
9	*429	*549	43° 3	42° 2	42° 0	49° 1	*269	*267	96	99	NW	1	NW	1	10	10	*240
10	29° 791	29° 099	43° 2	34° 4	34° 3	50° 3	*270	*141	96	71	NE	2	NE	4	10	10	*100
11	30° 120	30° 090	34° 7	30° 1	28° 7	40° 3	*134	*146	67	87	NE	4	NE	2	7	0	*010
12	29° 941	29° 714	36° 2	30° 9	25° 0	37° 2	*161	*170	76	99	NW	1	E	2	7	10	*720
13	*652	*685	37° 3	32° 6	29° 9	44° 1	*213	*160	95	88	S	2	SE	2	6	10	*030
14	*602	*572	38° 1	36° 9	31° 6	46° 3	*198	*193	86	89	NE	2	NE	2	7	10	*080
15	*524	*528	43° 3	39° 6	32° 2	51° 9	*260	*237	93	97	SE	1	N	1	10	4	*390
16	*511	*572	39° 2	39° 9	37° 5	43° 0	*227	*204	95	83	NW	3	NW	2	10	10	*050
17	*608	*768	42° 6	39° 5	34° 7	46° 3	*215	*222	80	92	NW	3	NW	2	7	10	*030
18	*879	*954	38° 6	32° 3	32° 3	42° 1	*214	*172	92	94	NW	3	NW	2	8	0	*030
19	*945	*655	43° 6	38° 0	28° 8	52° 1	*216	*218	76	96	S	1	SE	2	6	0	*020
20	*432	*423	44° 4	42° 8	35° 2	47° 3	*256	*271	88	99	SE	3	NW	2	10	10	*140
21	*466	*573	40° 6	38° 1	37° 2	43° 2	*198	*204	78	88	NE	3	NE	3	10	10	—
22	*581	*545	41° 2	43° 9	30° 0	49° 1	*204	*225	80	78	NW	2	SE	1	8	10	*020
23	*476	29° 527	50° 8	44° 6	39° 3	53° 0	*296	*278	80	94	SE	1	SE	2	7	10	*210
24	29° 751	30° 091	44° 6	37° 1	37° 0	50° 1	*265	*215	90	97	SE	3	SE	2	7	0	—
25	30° 107	29° 831	48° 1	46° 6	31° 4	56° 2	*263	*275	78	88	SW	2	SE	2	10	10	*110
26	29° 703	*609	50° 6	40° 9	40° 3	59° 0	*283	*247	77	97	NW	2	SW	1	7	0	—
27	*656	29° 811	44° 6	41° 1	37° 3	57° 8	*290	*258	98	100	Caln	0	NW	2	10	10	*030
28	29° 925	30° 171	46° 4	37° 8	37° 7	49° 9	*264	*185	84	82	NE	3	NE	1	7	3	—
29	30° 339	*295	44° 3	41° 6	32° 9	51° 1	*205	*225	70	86	NE	2	NE	1	7	8	—
30	30° 329	30° 187	45° 6	35° 6	35° 5	49° 3	*203	*193	67	93	NE	2	NE	2	7	7	—
Means	29° 692	29° 709	43° 4	39° 7	35° 0	50° 0	*241	*225	84° 8	91° 0	2° 0		1° 8	8° 3	6° 5	2° 730	

Very cold wind. ☼ showers p.  
☼ showers 5.30p.—Midt.  
☼ storms at times.  
☼ showers. ● at night.  
Showers of ● ☼ ▲ with ☼ p.  
●<sup>0</sup> ☼ a.  
●<sup>0</sup> ☼ at times.  
☼<sup>0</sup> early a., ●<sup>0</sup> at times.

☼ p. ☼ 9p.  
☼ early a.

T. at times during the day.



## CHELTENHAM.

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

APRIL 1879.

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	43.0	36.0	50.3	ins.	ins.	77	83	SW 1	SW 2	6	6	ins.	Very beautiful day.
2	60.6	60.1	48.1	42.2	27.7	50.3	26.1	24.3	77	90	SW 1	SW 1	6	10	0.06	Very beautiful day. ☉ <sup>2</sup> at night.
3	63.1	71.8	38.1	34.3	29.0	50.4	22.0	18.2	95	92	NW 1	NW 1	10	6	0.010	Very fine day.
4	81.8	85.2	44.7	41.2	26.5	54.0	20.2	24.0	69	93	NW 1	NW 1	10	0	—	a. Beautiful day.
5	77.4	64.1	40.1	40.5	38.6	53.6	29.5	28.4	85	91	S 4	W 2	10	2	0.050	p.
6	29.372	29.145	47.3	44.2	40.5	51.3	23.9	27.8	92	96	S 5	S 2	10	10	0.580	Squally a.
7	28.802	28.994	48.8	49.2	42.0	55.0	31.4	28.4	91	82	S 8	SE 1	10	10	0.110	Beautiful day.
8	29.197	29.412	48.0	45.3	39.4	55.2	26.2	26.5	78	87	SW 1	W 2	8	10	—	
9	46.9	29.590	47.4	41.0	40.0	51.0	28.2	25.0	87	98	W 1	NW 1	8	10	0.160	
10	29.769	30.028	40.3	34.2	34.0	41.2	23.8	15.8	96	80	E 3	E 4	10	8	0.030	
11	30.188	30.120	34.5	35.5	31.8	41.2	16.0	18.0	80	87	NE 3	NE 1	10	10	0.250	☉ <sup>0</sup> p. Very cold and bleak.
12	29.948	29.707	32.6	31.8	30.0	37.4	18.3	16.6	99	93	SE 1	NE 2	10	10	0.350	☉ <sup>2</sup> nearly all day. ☉ <sup>2</sup> at night.
13	60.8	66.5	33.0	37.7	29.0	43.2	17.3	20.0	92	88	N 1	SE 5	9	5	0.020	at night.
14	60.3	54.9	35.7	37.3	32.7	41.6	18.0	21.5	91	96	E 4	E 2	10	10	0.160	Squally a. T 4p.
15	58.7	57.5	35.7	38.2	32.6	40.7	19.9	22.2	96	96	SE 1	N 2	10	10	0.020	☉ <sup>2</sup> early a.
16	57.0	60.7	39.2	36.8	30.0	44.5	21.6	20.7	90	95	N 2	N 1	10	8	—	
17	65.3	83.1	43.1	37.8	31.0	50.5	22.4	21.0	80	92	NW 1	Calm 0	7	1	0.010	▲ noon.
18	93.9	93.8	44.6	40.8	28.2	50.4	19.9	20.6	67	81	N 1	N 1	1	0	—	Beautiful day.
19	88.1	61.0	45.0	41.0	28.6	50.5	24.5	21.7	82	85	S 2	S 2	4	2	0.060	Beautiful day. ☉ <sup>2</sup> at night.
20	36.4	42.5	44.0	42.2	39.6	52.0	28.6	26.9	99	100	SE 2	W 1	10	4	0.050	Squally a. First swallow seen.
21	50.6	61.2	43.2	41.2	38.6	49.8	23.2	21.5	83	84	N 1	N 1	8	9	—	Fine.
22	57.5	49.8	45.4	45.2	28.0	48.7	23.2	28.9	77	97	SE 1	SE 2	6	10	0.020	
23	43.9	29.508	47.6	46.0	43.0	51.8	29.1	30.1	89	97	SE 2	S 1	10	10	0.540	
24	29.796	30.101	45.2	45.3	43.3	52.0	29.2	28.8	97	96	N 1	N 1	10	7	—	
25	30.065	29.800	49.7	47.1	35.7	54.2	27.9	31.6	80	98	S 2	SW 2	8	0	0.030	
26	29.686	55.9	52.4	46.2	40.1	54.2	29.4	26.5	75	86	SW 1	S 1	8	5	—	
27	29.669	29.851	52.6	45.2	41.0	56.2	29.7	27.5	75	92	SE 1	SE 2	6	10	0.070	▲ noon. K ☉ <sup>2</sup> 4p. Cuckoo heard.
28	30.024	30.207	45.0	44.9	42.0	48.4	25.3	22.0	85	75	N 1	N 1	10	10	—	
29	32.9	30.8	44.8	45.6	34.1	53.3	22.3	26.6	75	87	W 1	NW 1	3	8	0.010	Very fine day.
30	30.261	30.151	44.3	41.9	32.7	50.8	21.9	24.2	74	92	W 1	W 1	10	10	—	T ☉ <sup>2</sup> 4p.
Means	29.695	29.710	43.8	41.6	34.9	49.5	24.4	23.9	84.7	90.3	1.9	1.6	8.3	7.0	2.590	

## CARMARTHEN.

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

APRIL 1879.

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	29.645	29.618	44.6	44.1	32.5	54.2	26.5	26.0	90	89	S 1	NW 1	10	10	0.060	▲ 0.30p.
2	63.7	61.4	42.4	36.7	33.8	53.4	24.0	20.4	89	94	Calm 0	N 1	7	2	0.090	
3	63.8	71.5	47.0	37.1	32.1	53.8	22.8	19.4	71	88	S 1	Calm 0	0	1	—	
4	79.1	81.8	41.1	44.5	31.2	53.9	23.4	28.1	91	96	E 1	SW 1	10	10	0.120	
5	69.1	58.1	46.4	45.6	44.1	51.6	30.1	29.2	96	96	S 3	SW 2	10	9	0.550	Squally a.
6	29.163	29.108	40.4	42.5	42.4	50.9	28.1	25.4	90	94	S 2	S 1	10	2	0.100	
7	28.726	28.969	45.7	42.4	41.8	48.9	27.4	26.0	90	96	E 2	SW 2	10	10	0.180	
8	29.173	29.407	44.4	44.1	41.7	48.9	26.5	27.9	91	97	SW 3	Calm 0	10	9	—	
9	52.2	58.8	45.0	44.4	40.7	54.6	27.0	24.7	94	85	Calm 0	E 1	10	10	0.060	
10	29.748	29.994	41.5	38.4	37.9	46.1	21.4	17.4	83	75	N 2	NE 4	10	10	0.020	
11	30.181	30.174	38.4	33.1	31.5	43.9	14.5	15.4	62	81	E 3	Calm 0	6	0	—	
12	29.941	29.729	35.8	31.6	20.2	45.7	17.6	13.6	84	76	W 1	NE 2	9	0	0.050	☉ <sup>2</sup> ☉ <sup>2</sup> ▲ p.
13	63.5	61.8	36.1	35.8	26.6	39.1	14.8	18.2	70	88	E 2	E 4	6	10	0.020	☉ <sup>2</sup> p.
14	57.8	55.8	38.0	37.8	32.7	44.1	16.8	17.5	73	77	NE 4	NE 3	7	10	—	
15	54.2	57.3	39.4	35.1	34.4	44.0	18.9	18.3	79	89	NE 2	E 1	10	8	—	
16	60.3	64.3	47.3	39.5	34.4	51.4	21.8	20.8	68	86	N 1	N 1	5	1	—	
17	68.0	83.2	43.9	38.1	31.3	50.9	21.4	20.2	74	88	N 1	N 1	7	0	—	
18	92.1	89.9	45.0	41.6	29.9	53.5	21.5	18.2	72	70	E 1	SW 1	0	0	—	
19	77.4	43.1	47.0	43.9	34.6	53.8	22.0	25.3	69	88	SE 4	SE 3	2	10	0.120	
20	34.5	41.7	47.7	42.5	42.0	54.8	31.9	26.3	96	97	W 1	W 1	10	4	0.010	
21	49.9	56.8	45.1	43.0	39.6	53.6	25.7	24.4	85	86	SE 2	SW 1	10	5	0.050	
22	51.5	45.4	40.4	43.2	38.7	50.6	22.8	29.4	91	95	E 2	E 1	10	10	0.190	
23	41.0	29.540	46.5	45.5	43.5	53.4	29.5	27.4	94	91	E 1	Calm 0	10	10	0.030	
24	85.2	30.122	48.9	42.6	42.6	56.3	29.5	25.5	86	93	N 1	Calm 0	9	0	—	
25	98.7	29.771	48.5	47.4	39.0	54.7	27.2	29.8	80	91	SE 1	SW 1	10	6	0.390	
26	65.4	54.0	48.7	46.4	45.0	56.9	31.3	28.3	92	90	S 1	S 1	9	10	0.030	
27	29.659	29.825	50.1	47.4	42.8	59.2	27.6	26.1	62	81	E 2	N 1	7	8	0.040	K 2.15p. No rain.
28	30.039	30.225	47.0	46.0	45.3	51.1	27.1	24.1	85	78	E 1	N 1	10	10	—	
29	35.4	33.5	51.9	45.5	34.5	58.4	22.4	23.4	58	78	E 1	W 1	0	9	0.320	
30	30.267	30.153	40.1	41.4	39.8	50.4	23.5	22.5	95	87	E 1	N 1	10	3	0.040	
Means	29.672	29.694	44.5	41.7	37.1	51.4	24.2	23.3	82.0	87.3	1.8	1.3	7.8	6.2	2.470	

## MARLBOROUGH.

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

APRIL 1879.

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.	44°	39°	31°	52°	in.	in.	%	%					ins.		
1	29°705	29°667	39°1'	31°9'	31°9'	52°2'	239	211	82	89	Calm	0	Calm	0	7	1	before ga. [
2	60	615	38°7'	48°2'	31°9'	54°4'	231	322	98	96	Calm	0	Calm	0	10	10	025
3	622	720	39°4'	38°7'	31°8'	51°0'	221	196	92	84	Calm	0	N	1	10	6	ga. [
4	834	873	45°5'	41°4'	29°0'	54°0'	186	243	62	94	W	1	Calm	0	2	4	
5	822	685	46°7'	45°3'	39°7'	50°7'	283	296	89	98	SW	1	SW	4	10	4	130
6	29°424	29°218	46°4'	41°9'	41°9'	49°8'	281	255	90	96	SW	1	SW	1	10	6	690
7	28°864	29°011	48°1'	46°4'	41°9'	55°1'	294	292	88	93	SW	3	SW	1	9	8	050
8	29°221	440	49°1'	40°9'	38°8'	56°3'	263	231	76	90	SW	1	Calm	0	7	10	
9	482	593	48°4'	41°0'	38°3'	55°3'	276	243	82	95	W	1	Calm	0	9	10	220
10	29°688	29°985	41°4'	34°1'	34°1'	44°7'	250	157	96	79	Calm	0	NE	4	10	10	
11	30°151	30°163	32°6'	32°4'	30°6'	40°4'	168	149	91	81	NE	4	Calm	0	9	3	
12	29°989	29°747	31°8'	32°1'	27°2'	37°4'	179	174	100	96	Calm	0	Calm	0	10	10	210
13	621	643	31°8'	36°6'	29°2'	43°6'	162	165	91	76	Calm	0	NE	1	10	10	015
14	573	567	36°8'	35°8'	30°8'	42°7'	191	199	88	96	NE	3	SE	2	10	10	370
15	544	552	35°8'	36°6'	32°2'	46°0'	208	204	98	95	NE	1	N	1	10	2	055
16	566	630	38°7'	33°8'	33°8'	43°7'	211	174	90	89	Calm	0	Calm	0	7	1	before ga.
17	668	811	44°0'	37°7'	31°8'	52°0'	225	195	77	86	Calm	0	Calm	0	10	2	
18	947	972	41°0'	37°7'	28°8'	50°5'	199	183	78	80	NE	1	Calm	0	2	1	
19	924	663	41°7'	39°4'	30°2'	49°1'	231	193	88	80	E	1	SE	2	1	0	140
20	402	449	45°1'	42°1'	35°6'	57°2'	296	248	98	93	SSW	1	Calm	0	10	1	
21	488	630	41°3'	35°4'	35°4'	48°6'	213	172	82	83	NE	2	Calm	0	9	1	
22	601	556	46°1'	43°7'	27°3'	48°3'	202	277	65	97	Calm	0	Calm	0	5	10	120
23	444	29°537	45°7'	45°0'	41°0'	53°7'	290	295	95	98	Calm	0	Calm	0	10	10	560
24	29°803	30°136	45°0'	42°7'	42°2'	49°9'	285	277	95	99	Calm	0	Calm	0	10	10	
25	30°128	29°865	48°5'	44°7'	38°2'	54°7'	287	279	85	94	Calm	0	W	1	10	0	145
26	29°739	631	52°5'	43°2'	41°9'	56°9'	290	261	74	93	W	2	Calm	0	6	0	130
27	659	29°821	46°9'	46°5'	42°4'	58°5'	272	293	86	94	NE	1	N	1	8	10	050
28	29°980	30°195	47°9'	40°7'	40°1'	50°2'	220	171	67	68	N	1	N	1	10	0	
29	30°348	339	45°2'	46°3'	34°0'	54°8'	215	238	72	76	NE	1	Calm	0	3	10	
30	30°271	30°189	45°2'	40°7'	38°1'	51°7'	215	227	72	89	Calm	0	Calm	0	10	10	480
Means	29°707	29°730	43°1'	40°3'	35°1'	50°4'	236	227	84°9'	89°2'	0°9'		0°7'	8°1'	5°7'	3°390	



## RAMSGATE.

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

APRIL 1879.

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.	47.5	42.6	42.0	50.2	in.	in.	70	70	SW	1	7	10	ins.	before 8a. D ga. and 9p.
2	68.5	67.7	46.5	41.1	37.8	51.7	263	247	84	96	SW	1	4	2	—	before 8a. D ga. and 9p.
3	67.3	70.4	44.0	36.7	36.1	48.4	263	216	91	99	NW	1	10	0	—	before 8a. D ga. and 9p.
4	83.1	93.1	45.0	38.8	34.8	54.2	230	186	77	79	W	1	0	2	—	before 8a. D ga. and 9p.
5	87.8	80.6	48.1	45.8	35.9	51.7	295	289	88	94	SW	1	9	10	0.30	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
6	59.3	53.0	46.1	45.9	44.8	51.0	281	288	91	94	S	3	8	10	0.40	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
7	65.1	60.6	47.7	48.1	44.7	54.0	315	316	95	94	SE	5	10	10	0.20	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
8	64.3	62.8	47.1	46.2	44.0	50.9	293	294	91	95	SE	2	9	10	0.40	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
9	64.1	66.9	49.1	44.4	44.1	53.4	281	281	81	96	W	1	9	10	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
10	29.715	29.937	44.7	38.3	37.8	47.3	272	199	94	87	N	1	10	10	0.20	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
11	30.047	30.089	37.0	34.0	33.1	42.4	163	155	74	78	N	6	6	1	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
12	29.953	29.797	37.8	35.2	31.7	47.2	162	158	71	77	W	2	6	10	0.510	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
13	71.9	68.5	41.0	38.0	31.9	49.1	200	177	78	77	SE	1	4	2	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
14	58.0	55.9	44.0	41.4	37.2	45.9	191	214	66	83	NE	3	6	10	0.120	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
15	56.3	53.1	40.3	45.2	40.9	50.5	270	290	87	97	SE	1	2	9	0.230	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
16	48.9	60.4	43.5	41.7	40.5	50.1	252	228	89	87	SE	1	9	10	0.580	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
17	59.6	71.3	46.3	47.2	34.9	52.1	235	294	75	91	S	1	7	10	0.160	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
18	87.9	92.0	43.1	42.0	37.0	47.5	248	234	89	89	W	1	9	0	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
19	95.9	72.0	46.1	44.0	38.0	49.0	223	243	72	84	NE	1	2	0	0.100	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
20	46.7	37.5	43.1	43.5	40.0	50.5	270	210	97	75	E	1	10	6	0.170	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
21	40.7	54.9	42.6	39.9	39.1	43.5	217	222	80	91	E	3	10	10	0.040	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
22	60.6	60.3	41.8	43.0	38.1	51.5	218	215	83	78	NW	1	9	10	0.020	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
23	50.5	29.547	47.0	46.0	42.6	53.3	283	290	88	94	NE	1	9	10	0.060	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
24	29.738	30.115	47.1	44.7	43.9	48.8	295	259	91	88	N	2	10	10	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
25	30.159	29.924	47.4	45.6	36.8	51.2	279	271	86	89	NE	1	5	10	0.110	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
26	29.739	29.678	52.2	44.7	41.5	57.0	298	285	77	96	W	1	5	3	0.020	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
27	64.2	29.797	49.4	44.8	42.9	57.2	302	271	86	92	NE	1	7	4	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
28	29.904	30.142	46.5	42.0	39.6	51.4	265	203	85	77	N	5	10	2	0.020	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
29	30.303	30.365	46.7	38.2	37.9	51.2	212	203	67	88	N	5	0	0	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
30	30.229	30.228	45.0	39.1	36.7	51.0	246	191	82	80	N	5	7	3	—	Squally p. a. and p. T 5.30p. and 6.15p. followed by a storm.
Means	29.707	29.734	45.3	42.3	38.9	50.7	253	240	83.3	87.9	2.0	1.7	7.1	6.5	3.000	

## SOUTHAMPTON.

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

APRIL 1879.

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	29.706	29.667	41.3	39.6	38.0	49.1	260	242	100	99	NE	1.5	10	7	0.003	before 8a. D ga. and 9p.
2	66.1	58.9	44.5	40.4	39.5	47.6	259	235	89	94	SE	2	9	3	—	before 8a. D ga. and 9p.
3	66.0	60.1	40.9	42.8	33.5	51.3	243	227	95	83	NW	1	10	9	—	before 8a. D ga. and 9p.
4	83.8	88.4	44.0	43.8	33.4	52.1	200	279	69	98	NW	1	9	10	0.11	before 8a. D ga. and 9p.
5	83.8	70.6	47.2	46.6	43.8	50.5	313	318	95	100	SW	2	10	10	0.113	before 8a. D ga. and 9p.
6	29.473	29.208	47.2	43.8	43.8	49.5	295	283	93	100	S	5	10	10	0.755	before 8a. D ga. and 9p.
7	28.904	28.994	51.1	46.7	43.8	56.5	320	305	84	96	SW	6.5	3	9	0.060	before 8a. D ga. and 9p.
8	29.242	29.413	47.5	44.6	39.4	53.4	283	272	87	92	WSW	1	7	1	—	before 8a. D ga. and 9p.
9	47.4	54.5	45.6	45.3	39.5	54.8	283	274	93	91	WSW	2	9	10	0.015	before 8a. D ga. and 9p.
10	29.665	29.935	44.9	37.5	37.5	49.5	270	188	91	84	NE	1.5	10	10	—	before 8a. D ga. and 9p.
11	30.090	30.111	36.6	36.8	33.8	40.6	151	163	69	74	NE	6	9	9	—	before 8a. D ga. and 9p.
12	29.982	29.709	34.5	32.5	28.6	38.6	188	185	94	100	NW	1.5	5	10	0.568	before 8a. D ga. and 9p.
13	60.8	59.2	33.2	32.1	44.2	44.2	186	193	98	81	NE	1	10	10	0.100	before 8a. D ga. and 9p.
14	50.9	50.7	39.3	36.6	33.4	42.9	196	205	82	95	NE	5	10	10	0.162	before 8a. D ga. and 9p.
15	50.1	50.6	44.9	43.6	34.8	52.6	275	261	92	92	E	2	9	8	0.274	before 8a. D ga. and 9p.
16	54.2	62.0	40.2	38.4	38.4	44.5	230	204	92	88	NE	3	10	2	—	before 8a. D ga. and 9p.
17	65.9	78.6	43.1	42.0	33.1	50.5	227	218	81	82	N	2.5	1	4	0.030	before 8a. D ga. and 9p.
18	92.1	94.2	43.4	41.8	34.3	51.9	215	223	76	84	NNE	2.5	1	0	—	before 8a. D ga. and 9p.
19	89.9	61.9	45.4	43.6	40.9	49.1	242	239	80	84	SE	3.5	8	1	0.440	before 8a. D ga. and 9p.
20	38.6	42.7	47.8	44.8	43.6	54.1	329	295	100	100	S	1	10	1	0.105	before 8a. D ga. and 9p.
21	43.8	59.1	40.7	39.8	38.0	45.9	229	204	90	84	NNE	4.5	10	0	—	before 8a. D ga. and 9p.
22	58.7	53.2	43.6	44.8	31.2	46.1	220	203	78	99	S	2	10	10	0.085	before 8a. D ga. and 9p.
23	43.6	29.516	48.2	46.5	44.3	53.4	310	317	93	100	SE	3.5	10	10	0.038	before 8a. D ga. and 9p.
24	29.771	30.098	48.2	43.7	43.7	51.3	307	285	92	100	NW	3	10	0	—	before 8a. D ga. and 9p.
25	30.123	29.829	46.9	47.5	38.7	52.8	299	329	94	100	S	1	10	2	0.108	before 8a. D ga. and 9p.
26	29.739	29.604	50.8	47.3	41.0	55.8	316	327	85	100	W	2	10	5	—	before 8a. D ga. and 9p.
27	60.7	29.777	50.5	46.6	43.5	57.4	322	303	88	96	NE	3	9	2	0.144	before 8a. D ga. and 9p.
28	29.967	30.142	45.6	43.8	41.5	52.5	266	217	87	75	NNE	3	10	5	—	before 8a. D ga. and 9p.
29	30.319	30.312	46.9	47.7	36.2	54.4	240	261	76	79	NE	2	3	8	—	before 8a. D ga. and 9p.
30	30.254	30.171	44.8	41.8	38.3	49.5	230	247	77	94	NW	1	10	3	—	before 8a. D ga. and 9p.
Means	29.691	29.701	44.3	42.7	37.8	50.1	257	253	87.3	91.5	2.6	2.2	8.3	6.1	3.011	

## HASTINGS.

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

APRIL 1879.

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.	45.4	41.7	41.3	47.9	in.	in.	%	%	SSW	0-1	Calm	0	10	ins.	D ga. Evening obs. at 9.20p. early a. D ga.	
2	29.707	29.681	45.4	41.7	41.3	47.9	281	251	93	95	SSW	0-1	Calm	0	10	150		
3	681	595	41.3	40.7	38.1	48.7	255	217	99	86	SSW	0-1	Calm	0	10	0	D ga. Evening obs. at 9.20p. early a. D ga.	
4	583	676	44.3	41.3	37.9	52.2	252	252	86	97	Calm	0	Calm	0	9	150		
5	829	899	44.6	42.6	36.1	50.9	239	253	81	93	S	0-1	W	3	0	9	015	
6	882	775	44.9	46.0	42.1	49.4	293	304	99	98	SSW	2	SSW	4	10	10	150	
7	583	587	46.5	45.7	43.4	48.2	306	299	97	97	S	1	S	3	9	10	470	
8	608	604	48.9	47.0	45.1	55.5	320	301	93	94	S	2	SSE	1	9	10	470	
9	228	403	49.0	48.0	44.2	56.2	300	281	87	85	W	2	VNW	1	9	9	070	
10	444	549	49.0	44.6	43.6	50.8	266	267	76	91	W	2	NNE	1	8	7	—	
11	29.678	29.871	48.0	36.9	36.9	49.7	297	216	90	98	E	1	NE	7	10	10	—	
12	30.018	30.064	35.9	32.2	32.1	40.8	170	139	81	76	NE	7	NE	4	10	0	—	
13	29.975	29.738	37.8	35.3	27.1	41.4	140	199	62	97	N	1	S	4	3	400	[at night, (sleet) at night. * 2 all the aft., turning to * * before ga.	
14	677	635	42.7	38.3	33.6	45.0	199	185	73	80	S	3	NE	5	1	10		—
15	542	511	39.8	38.6	34.4	42.3	173	222	70	95	NE	4	NE	5	10	10	210	
16	526	509	47.6	41.6	38.1	50.0	270	249	83	95	S	1	NE-NNE	3	5	10	920	
17	498	596	39.6	40.2	38.1	42.8	227	222	93	90	NE	2	VNW	0-1	10	140	* before ga. p.	
18	644	766	45.8	40.4	35.5	46.4	206	216	67	87	N	0-1	NNW	2	1	5		050
19	876	942	42.0	40.0	34.1	46.8	207	218	78	80	NNW	3-4	NE	1	4	10	—	
20	946	712	45.4	44.9	34.6	49.0	234	242	77	82	S	1	SE	1	6	10	190	
21	493	441	44.9	43.4	43.1	52.0	293	271	99	96	S-SSW	2	SW	0-1	10	0	150	Bar. fell fast during the day. 2 n. and a.
22	395	536	40.6	40.3	39.4	44.1	225	202	89	81	NNE	4-5	NNE	5	10	10	—	
23	596	426	43.1	36.4	38.0	48.0	203	244	75	87	NE	1	S	1	8	10	140	Cold till evening. Fine.
24	490	29.506	47.4	47.4	42.5	52.8	313	286	96	88	Calm	0	NE	1	10	10	010	
25	741	30.073	46.8	43.8	43.5	49.2	289	244	91	87	NNW	0-1	NNE	3	10	0	—	
26	30.141	29.899	46.0	45.4	38.1	51.8	267	288	87	96	SSW	1	SSW	1	10	10	150	
27	770	663	47.8	45.2	42.6	51.4	296	285	89	95	W	2	S	1	10	0	—	
28	615	29.734	50.9	45.1	43.1	57.3	286	270	77	90	ENE	2	NNE	3-4	6	0	—	
29	893	30.090	44.2	42.2	38.7	51.0	255	200	88	75	N	3	NNE	5-6	10	10	010	Heavy appearance to Northward, with Fine.
30	280	334	44.8	39.4	35.5	51.2	212	206	71	86	N-NNE	6	Calm	0	1	5	010	
31	233	30.196	44.6	40.0	38.6	52.0	236	193	80	78	NNW	1	NE	1	9	1	040	
Means	29.697	29.710	44.6	42.0	38.6	49.2	250	241	84.2	89.5	1.9		2.3	7.6	6.6	3.435		



## BABBACOMBE.

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

APRIL 1879.

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.	45.9	40.3	34.8	53.2	in.	in.	90	92	NE 1	Calm 0	5	1	ins.	D a. and p. — <sup>β</sup> after 9p.
2	29.689	29.659	45.9	40.3	34.8	53.2	.244	.229	80	92	NE 1	NNW 1	10	8	.410	⊞ a. and p.
3	.634	.666	39.4	38.3	33.3	43.2	.239	.215	99	94	NE 1	NNW 3	3	1	—	⊞ a. and p.
4	.640	.734	45.0	38.9	34.5	51.8	.235	.204	79	87	N 1	WNW 3	3	1	—	⊞ a. and p.
5	.833	.871	43.9	46.9	31.9	51.8	.247	.287	86	91	S 1	W 1	10	10	.070	⊞ a. 1.30p.—1.45p.
6	.777	.686	48.1	43.8	43.7	50.2	.304	.274	91	96	SSW 3	SW 3	10	3	.340	⊞ a. 9.30p.—10p.
7	29.314	.753	45.9	44.9	43.4	54.8	.299	.288	98	97	S 7	SSE 2	10	10	.650	⊞ a. 9a.—11a. 0.6p. D p.
8	28.809	.014	48.1	44.0	43.8	51.8	.296	.254	89	88	SSW 5	WNW 2	8	10	.010	⊞ a. [⊞ after 11p.
9	29.228	.448	51.9	43.0	38.0	57.9	.299	.240	78	86	WSW 3	WNW 3	1	1	—	D a. and p. [NW. 3p.
10	.496	.666	52.1	45.8	40.0	54.8	.267	.271	70	88	ENE 1	N 2	3	10	.160	D a. 8.30a.—9a. Wind SSW. noon,
11	29.685	29.911	40.2	39.4	39.3	45.9	.234	.208	94	87	NNE 3	NE 6	10	10	.010	in squalls a.
12	30.073	30.155	36.0	34.7	32.1	39.6	.138	.134	65	67	ENE 6	NNW 2	4	0	—	in squalls a. [0° 11a.—11.15a.
13	29.986	29.717	45.2	35.1	30.8	47.7	.184	.192	61	94	WSW 3	WSW 2	2	10	.080	"Pocky" cum-s. cloud 10.15a. 0° 11a.—11.15p., flakes 1½ in. in diameter. 0° 11a.—11.15p. after 11p.
14	.595	.493	32.5	40.1	30.8	40.8	.158	.182	86	73	NE 2	E 6	10	10	.100	* a. * 11a.—11.15p., flakes 1½ in. in diameter. 0° 11a.—11.15p. after 11p.
15	.477	.472	37.1	38.3	33.9	40.2	.181	.211	82	92	ENE 8	ENE 5	10	10	.330	Squally a. * showers.
16	.474	.524	35.9	38.9	34.1	44.8	.203	.205	97	87	NNE 2	N 3	10	5	.030	● * n. 9a. and p.
17	.592	.668	43.0	38.9	35.1	51.1	.204	.198	74	84	N 2	WNW 1	4	2	—	
18	.703	.833	44.3	38.8	33.0	53.6	.210	.195	72	83	NNW 2	WNW 2	6	0	—	D after 9p.
19	.923	.930	44.0	39.5	34.9	48.8	.228	.219	78	91	NE 2	SSE 1	3	0	—	⊞ a. D a. and p.
20	.818	.514	45.7	44.5	39.0	48.6	.211	.275	70	94	ESE 4	ESE 3	3	10	.350	⊞ a.
21	.420	.439	50.9	43.9	43.9	57.7	.318	.260	86	91	WSW 3	Calm 0	8	1	.080	⊞ p.
22	.476	.604	48.0	45.1	40.0	52.7	.256	.263	77	88	NE 2	S 1	2	9	.170	⊞ a. 1.30p.—1.45p.
23	.526	.486	46.9	46.1	41.9	55.4	.315	.299	98	96	Calm 0	S 2	10	10	.180	⊞ a. to 9.20a., and at 10.50a.
24	.474	29.558	47.0	47.0	44.5	51.1	.321	.284	99	89	NE 1	WNW 2	10	7	.180	⊞ a. 6.30a.—11a. D a. and p.
25	29.853	30.133	48.4	43.9	43.9	54.8	.276	.245	82	85	NW 3	W 2	9	0	—	D p. and before.
26	30.074	29.871	49.9	45.7	39.1	52.9	.321	.276	90	91	SSW 3	W 1	10	0	.170	D till 10a., and after 8p.
27	29.714	.559	53.6	45.0	43.8	57.4	.327	.260	78	87	WSW 3	SSW 2	3	3	.030	○ 9.15a. and 11a.—2p. D p.
28	29.610	29.816	47.4	45.3	44.0	55.8	.288	.274	89	91	NE 2	NNE 2	8	2	.560	⊞ a. 7p.
29	30.004	30.184	46.8	46.0	43.9	53.8	.264	.237	83	77	NNE 2	NNE 3	9	10	—	⊞ a. and p.
30	.345	.348	47.9	41.9	39.0	54.7	.182	.186	54	72	ENE 1	WNW 2	1	2	—	
Means	29.680	29.703	45.4	42.2	38.3	51.1	.249	.237	81.5	87.5	2.6	2.2	6.7	5.4	4.160	○ 9a.—10a.

## ST. AUBIN'S, JERSEY.

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

APRIL 1879.

1	29°734	29°724	46°8	42°4	42°0	50°5	294	248	92	91	Calm	SW	2	10	2	002	Very fine p. $\Delta$ p.	
2	659	603	48°1	45°0	41°3	51°3	260	264	77	80	SE	3	NE	1	9	020	$\Delta$ a. Very fine. $\nabla$ at times p.	
3	642	759	43°9	40°7	39°7	50°3	256	206	89	81	NNW	2	NW	1	10	001	$\Delta$ p. Swallow seen to-day.	
4	900	957	49°6	45°7	37°4	51°9	244	201	69	95	SW	2	SW	1	2	10	137	$\Delta$ a. Coloured $\bigcirc$ 9.10a. and at times.
5	914	802	49°8	47°3	45°0	52°7	312	321	87	99	SSE	3	WSW	2	9	10	138	
6	29°541	29°541	46°9	47°3	44°2	50°9	299	321	94	99	S	5	SSE	3	10	10	433	Bar. fell briskly n. Squally $\Delta$ a.
7	28°973	28°973	45°0	44°5	44°5	50°1	296	271	72	91	SSW	4	SE	1	0	3	081	Squally a., but weather improving. $\nabla$ [9.30p. Fine night.
8	29°286	29°286	44°1	44°2	42°1	57°0	285	272	69	94	W by S 2	WNW	1	5	0	—	$\Delta$ a. and p. Fine spring day. Coloured $\bigcirc$ 9.5p.	
9	525	584	53°2	43°3	41°4	56°1	304	254	75	91	WNW	3	NNW	1	5	0	—	$\Delta$ a. and p. $\bigcirc$ 7.30a.—8a. Day very [fine.
10	663	29°831	51°0	46°8	39°7	56°2	299	266	80	84	N by W 1	NE	3	4	10	—	$\nabla$ at times from 4a. $\Delta$ a. Very fine [later.	
11	29°084	30°101	40°4	39°5	37°2	46°8	174	144	69	58	NE	4	NE	3	10	—	Very dry, with cold wind. [later.	
12	30°037	29°813	43°9	39°2	35°0	46°5	169	171	59	72	NNE	3	SW	3	2	2	—	$\star$ 0 in places. [day. $\nabla$ 2 at night.
13	29°627	29°627	45°8	41°8	38°2	37°5	43°3	151	183	57	80	S by E 4	E	7	6	10	053	$\bigcirc$ 10a.—11a. $\star$ 0p. Bar. falling all [to 8a. $\bigcirc$ 7p. Cuckoo heard.
14	351	444	43°2	43°6	36°0	49°8	245	228	87	80	E	3	SW	3	9	0	011	$\nabla$ early a. Very clear horizon all day.
15	436	432	45°8	43°2	42°1	50°6	233	243	76	87	SE	5	NE	3	6	7	190	
16	554	694	43°4	41°0	40°3	47°4	238	215	84	84	N	4	NW	1	10	9	—	$\Delta$ a. $\Delta$ p. Day very fine.
17	715	838	48°2	40°9	38°2	53°6	234	215	70	84	NW	2	NW	1	5	0	—	$\Delta$ a. Day extremely fine.
18	923	944	52°3	43°9	37°5	52°6	227	203	59	71	N	2	E	3	3	2	—	$\nabla$ a. $\bigcirc$ 1.50p. Squally.
19	879	588	48°0	48°1	41°1	53°1	220	282	66	84	SE	5	SE	5	1	10	280	Squally a.
20	525	437	52°5	48°3	46°7	58°1	346	257	88	76	WSW	5	NE	3	2	1	—	Gloomy and cold till about 4p. $\Delta$ 0p.
21	424	626	44°7	41°0	40°0	48°7	264	235	89	88	NE	3	N	1	10	1	030	
22	613	565	51°9	47°5	40°4	53°2	308	311	80	96	S	3	SW	2	7	10	238	
23	441	29°610	50°2	48°6	40°3	56°5	330	305	91	90	SW	3	W	3	10	10	107	
24	29°859	30°162	52°3	46°9	45°0	55°7	307	299	78	94	NW	4	NW	3	6	3	—	Cold wind. $\Delta$ p.
25	30°181	29°952	50°1	47°4	43°5	54°6	316	319	87	98	S by W 2	SW	3	10	0	220	$\Delta$ a. Scotch $\nabla$ 7.15p.	
26	29°840	29°840	51°2	48°6	46°3	55°0	340	312	91	92	SW	4	SE	2	7	10	098	$\bigcirc$ 2 (brilliant colours) 2p.—2.15p.
27	558	29°780	52°0	46°6	45°9	55°1	287	292	74	93	NE	3	N	2	7	2	—	Sea roaring to the E. 9p. $\Delta$ p.
28	29°977	30°149	45°3	48°1	44°3	50°6	272	269	90	80	NNE	3	NNE	2	10	9	—	[5p. $\Delta$ 0p.
29	30°208	30°208	47°0	43°5	41°6	54°8	224	244	63	86	NE	3	N	1	3	0	—	Extremely fine. Partial $\bigcirc$ 9a. and $\bigcirc$ 7.50p.
30	30°321	30°183	49°8	47°4	41°0	55°1	251	272	70	84	WSW	3	WNW	1	10	10	015	
Means	29°713	29°726	48°5	44°6	41°4	52°5	266	257	77.7	86.4	3.1	2.3	6.3	5.3	2.054			

## LONDONDERRY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

APRIL 1879.

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.	42.9	39.7	38.5	47.6	in.	in.	90	92	SW 2	Calm	8	3	ins.	p. showers p.
2	29.573	29.665	42.9	39.7	38.5	47.6	248	224	90	92	SW 2	Calm	4	0	—	
3	650	634	40.6	37.0	33.4	46.8	212	200	84	91	SW 2	Calm	4	0	—	
4	612	638	40.7	41.8	32.8	47.6	211	234	83	88	SW 2	WSW 1	2	10	030	
5	671	618	44.7	40.7	39.9	51.4	266	281	90	89	SW 3	SW 2	10	3	030	
6	428	244	49.6	46.7	44.8	54.8	313	286	88	90	SSW 2	SW 3	10	7	130	
7	116	011	43.6	39.8	39.8	47.2	268	228	94	94	NE 1	SSE 1	10	1	220	
8	061	053	42.7	42.7	33.7	49.6	241	252	88	92	E 1	N 1	7	10	240	
9	172	383	44.6	45.5	42.2	48.0	279	292	94	96	NE 1	Calm	0	10	030	
10	29.597	29.794	44.3	41.9	41.5	46.5	260	244	92	92	E 2	ENE 1	10	10	100	
11	30.015	30.202	44.5	41.1	38.9	47.5	227	210	77	85	ENE 2	Calm	0	4	—	
12	295	30.215	38.5	41.7	32.8	47.0	109	228	86	87	WSW 2	NW 2	10	10	010	
13	30.34	29.926	43.8	37.7	37.2	45.0	194	190	67	83	NE 2	Calm	0	10	010	
14	29.865	885	36.8	36.0	33.0	40.9	166	170	75	80	NE 4	NE 3	6	2	—	
15	842	761	41.1	40.1	33.4	44.9	200	201	78	81	NE 2	NE 1	7	10	—	
16	718	666	44.3	42.0	37.4	47.6	205	223	71	84	NNE 1	Calm	0	5	060	
17	627	671	42.3	38.7	38.0	46.8	228	223	85	95	W 1	Calm	0	8	7	
18	781	884	40.6	36.5	35.4	45.0	181	183	71	85	NNE 2	Calm	0	9	0	
19	909	855	44.8	40.2	30.8	49.8	216	185	73	74	SE 2	SE 1	4	0	—	
20	694	538	47.8	45.7	38.5	50.9	214	226	65	74	SE 4	SE 3	8	10	040	
21	399	474	42.3	41.4	40.8	46.6	226	220	84	85	E 3	NNE 2	10	10	110	
22	583	618	42.7	43.8	37.5	48.0	200	206	73	71	E 3	E 1	8	10	—	
23	544	490	45.0	42.8	40.8	50.0	202	204	68	74	SE 2	E 1	7	10	—	
24	485	29.625	41.9	43.2	40.4	47.4	228	266	87	95	E 2	ENE 1	10	10	080	
25	884	30.027	44.7	44.7	41.0	51.2	253	257	86	87	NE 1	Calm	0	2	060	
26	743	29.654	47.0	45.7	42.1	56.0	282	278	88	91	SE 4	Calm	0	3	160	
27	540	29.621	51.6	45.5	43.6	55.8	288	268	75	88	S 2	Calm	0	8	2	
28	29.824	30.015	46.6	46.7	42.9	51.9	273	277	87	87	NE 2	Calm	0	10	—	
29	30.208	355	46.1	44.5	40.4	51.3	243	244	79	83	NE 2	Calm	0	9	—	
30	389	377	48.8	42.7	37.4	51.7	231	236	67	85	Calm	0	Calm	0	2	—
30	30.292	30.234	47.5	40.7	36.0	52.5	244	217	75	85	NE 1	NE 1	4	2	—	
Means	29.718	29.738	44.1	42.1	38.2	48.9	233	232	80.7	86.1	2.0	0.8	7.5	6.3	1.500	



## DUBLIN.

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

APRIL 1879.

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°	37°	51°	ins.	ins.	81	76	W 2	W 1	9	9	ins.	∞ a. ▲ North of Dublin, p.
2	29°633	29°652	43°	44°	37°	51°	233	224	81	76	NW 2	W 1	1	0	—	Brilliant sunshine. ☉ 9p.
3	29°674	29°650	40°	40°	39°	48°	201	200	80	84	W 1	W 3	1	5	—	Very fine and mild.
4	29°659	29°676	40°	44°	31°	49°	203	229	82	77	W 1	W 3	1	5	—	Brilliant ☉ sp.
5	29°741	29°715	47°	48°	40°	55°	252	246	76	73	W 3	SW 4	6	0	—	☉ a. and p. Centre of depression
6	29°531	29°594	52°	50°	46°	57°	310	273	80	75	SSW 4	SW 4	10	7	0.071	☉ a. and p. Centre of depression
7	29°064	29°058	46°	42°	42°	50°	289	227	94	84	SSE 4	Calm	10	3	0.109	☉ a. and p. Centre of depression
8	28°959	28°947	44°	42°	39°	47°	244	247	84	92	ENE 4	NW 3	6	10	0.321	☉ a. and p. Centre of depression
9	29°107	29°392	44°	46°	41°	47°	278	288	94	93	NW 2	Calm	10	10	0.012	☉ a. and p. Centre of depression
10	29°145	29°118	46°	43°	41°	48°	282	274	89	98	NE 2	NE 2	10	10	0.225	☉ a. and p. Centre of depression
11	29°199	29°145	43°	41°	41°	43°	233	205	83	70	NE 4	ENE 2	10	0	—	☉ a. and p. Centre of depression
12	29°277	29°206	39°	40°	36°	42°	176	101	75	77	ENE 3	WNW 1	10	9	—	☉ a. and p. Centre of depression
13	29°992	29°854	42°	35°	35°	44°	201	188	75	80	NW 2	NNE 2	3	7	0.279	☉ a. and p. Centre of depression
14	29°729	29°752	34°	39°	31°	39°	158	197	80	82	E by S 4	E 7	9	10	0.117	☉ a. and p. Centre of depression
15	29°759	29°688	38°	39°	36°	42°	171	190	74	77	NE 4	NE 3	7	10	0.149	☉ a. and p. Centre of depression
16	29°674	29°667	36°	39°	36°	43°	199	201	93	83	NE 3	N 1	10	10	0.010	☉ a. and p. Centre of depression
17	29°629	29°671	42°	40°	40°	48°	215	195	80	77	NNW 3	NNW 3	5	2	—	☉ a. and p. Centre of depression
18	29°744	29°669	41°	37°	32°	46°	181	191	71	84	NNW 3	Calm	3	0	—	☉ a. and p. Centre of depression
19	29°921	29°861	44°	41°	41°	49°	227	219	77	84	ESE 2	ESE 2	1	0	—	☉ a. and p. Centre of depression
20	29°722	29°501	46°	40°	40°	48°	218	243	70	78	SE by S 5	SE 3	7	10	0.200	☉ a. and p. Centre of depression
21	29°207	29°361	44°	40°	42°	48°	276	302	95	95	ESE 3	WSW 1	10	10	0.165	☉ a. and p. Centre of depression
22	29°458	29°580	46°	45°	44°	52°	293	257	94	86	ESE 2	ESE 2	10	10	0.010	☉ a. and p. Centre of depression
23	29°509	29°438	47°	45°	42°	49°	253	280	79	94	SE 3	E by S 2	8	10	0.017	☉ a. and p. Centre of depression
24	29°442	29°605	46°	45°	42°	51°	294	269	93	90	ENE 3	NE 2	10	10	0.070	☉ a. and p. Centre of depression
25	29°886	29°065	44°	45°	43°	50°	274	275	94	92	Calm	WNW 1	10	0	0.010	☉ a. and p. Centre of depression
26	29°827	29°723	49°	47°	42°	50°	287	271	82	85	S by E 3	sw by w 1	10	3	0.133	☉ a. and p. Centre of depression
27	29°757	29°517	46°	44°	44°	56°	262	292	69	93	WSW 3	SE 2	5	9	0.099	☉ a. and p. Centre of depression
28	29°158	29°327	45°	46°	43°	48°	239	235	78	76	NNE 5	NNE 1	10	9	—	☉ a. and p. Centre of depression
29	29°385	29°341	48°	47°	42°	52°	245	230	72	71	NNE 1	ESE 1	3	9	—	☉ a. and p. Centre of depression
30	29°290	29°201	48°	44°	43°	52°	242	234	72	76	ESE 2	E 2	3	5	—	☉ a. and p. Centre of depression
Means	29°695	29°719	44°	43°	39°	49°	241	238	81°	83°	2°	2°	7°	6°	1°997	☉ a. and p. Centre of depression

## BIRR CASTLE, PARSONSTOWN.

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

APRIL 1879.

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°634	29°675	46°	37°	33°	51°	247	204	79	91	WSW 2	NNW 0.5	9	1	0.035	☉ a. and p. Centre of depression
2	29°690	29°657	41°	35°	27°	49°	217	203	83	97	WNW 0.5	SSE 1	1	6	0.079	☉ a. and p. Centre of depression
3	29°666	29°669	41°	42°	36°	50°	218	250	84	91	SW 2	S 0.5	3	10	0.001	☉ a. and p. Centre of depression
4	29°744	29°668	46°	47°	39°	55°	274	258	89	80	SSW 1	SSE 4	3	10	0.082	☉ a. and p. Centre of depression
5	29°510	29°329	50°	46°	41°	58°	270	272	74	88	SSW 3	SSW 4	5	10	0.065	☉ a. and p. Centre of depression
6	29°064	29°024	41°	39°	40°	52°	218	218	96	89	Calm	Calm	10	3	0.204	☉ a. and p. Centre of depression
7	28°961	28°938	44°	44°	44°	53°	251	230	86	79	NW 3	NE 3	4	10	0.058	☉ a. and p. Centre of depression
8	29°157	29°138	43°	44°	34°	53°	261	278	93	96	WNW 3	WSW 2	10	10	0.101	☉ a. and p. Centre of depression
9	29°547	29°726	46°	43°	42°	51°	294	254	95	91	Calm	Calm	10	10	0.091	☉ a. and p. Centre of depression
10	29°929	29°128	42°	36°	36°	46°	235	183	82	84	NNE 5	Calm	10	0	—	☉ a. and p. Centre of depression
11	29°269	29°217	38°	39°	30°	46°	179	208	78	88	ESE 1	Calm	8	10	—	☉ a. and p. Centre of depression
12	29°011	29°872	45°	32°	32°	49°	208	161	70	87	NW 4	Calm	0	8	—	☉ a. and p. Centre of depression
13	29°724	29°727	36°	34°	27°	40°	157	181	73	91	ENE 4	NNE 4	5	10	0.072	☉ a. and p. Centre of depression
14	29°769	29°711	39°	38°	30°	46°	177	188	71	82	ENE 4	WNW 2	3	10	—	☉ a. and p. Centre of depression
15	29°695	29°675	39°	41°	33°	47°	186	206	79	80	N 1	WSW 3	10	10	—	☉ a. and p. Centre of depression
16	29°702	29°705	45°	37°	33°	51°	196	176	66	77	NW 4	NNE 2	5	0	—	☉ a. and p. Centre of depression
17	29°792	29°865	42°	35°	26°	48°	177	156	64	76	N 2	Calm	0	2	—	☉ a. and p. Centre of depression
18	29°874	29°781	47°	40°	29°	55°	200	207	61	83	SSE 3	SSE 4	9	1	—	☉ a. and p. Centre of depression
19	29°595	29°372	45°	44°	39°	50°	270	259	88	95	SE 5	ESE 6	10	10	0.168	☉ a. and p. Centre of depression
20	29°240	29°343	47°	45°	43°	50°	296	289	92	95	SW 1	Calm	10	10	0.060	☉ a. and p. Centre of depression
21	29°439	29°527	45°	45°	43°	48°	292	280	98	91	SE 0.5	SSE 0.5	10	10	0.055	☉ a. and p. Centre of depression
22	29°463	29°398	45°	46°	40°	53°	252	275	84	86	SSE 4	SE 1	10	10	0.020	☉ a. and p. Centre of depression
23	29°427	29°627	49°	45°	43°	52°	287	295	82	96	Calm	WSW 2	10	10	0.409	☉ a. and p. Centre of depression
24	29°911	29°053	51°	43°	42°	60°	362	244	69	87	NW 3	Calm	0	8	0.023	☉ a. and p. Centre of depression
25	29°765	29°711	50°	46°	42°	59°	339	262	94	85	SSW 1	Calm	10	1	0.116	☉ a. and p. Centre of depression
26	29°528	29°521	52°	46°	41°	56°	294	283	75	91	SSE 0.5	Calm	10	10	0.001	☉ a. and p. Centre of depression
27	29°765	29°975	50°	43°	41°	57°	287	229	77	82	NE 0.5	NNW 1	3	0	—	☉ a. and p. Centre of depression
28	29°172	29°331	47°	45°	42°	53°	243	247	73	81	NNW 3	NNE 1	7	10	—	☉ a. and p. Centre of depression
29	29°396	29°339	48°	47°	41°	56°	268	255	78	78	Calm	NW 1	10	10	—	☉ a. and p. Centre of depression
30	29°270	29°170	49°	46°	37°	59°	238	253	67	79	NE 2	Calm	1	10	0.001	☉ a. and p. Centre of depression
Means	29°689	29°708	45°	42°	36°	52°	244	233	80°	86°	2°	1°	7°	6°	2°41	☉ a. and p. Centre of depression

## LAUDALE.

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

MAY 1879.

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.	41°	38°	34°	52°	in.	in.	83	87	Calm	0	2	0	ins.				
2	30°267	30°344	41°	38°	34°	52°	213	204	83	87	Calm	0	2	0	—				
3	30°439	30°442	48°	49°	42°	53°	243	276	73	79	Calm	0	0	0	—				
4	30°442	30°446	53°	42°	33°	59°	273	225	66	85	Calm	0	0	0	—				
5	30°516	30°574	52°	49°	34°	54°	287	298	74	86	NW	1	10	10	—				
6	30°473	30°175	51°	46°	40°	54°	331	285	86	92	W	4	10	10	0.380	☼ ga. and gp.			
7	30°333	30°346	42°	47°	36°	47°	193	292	73	90	W	6	9	9	—	☼ showers a. ☼ on the hills.			
8	30°291	30°195	41°	38°	35°	47°	191	190	73	83	NW	3	7	6	0.050	☼ p. ☼ showers.			
9	29°883	29°850	47°	44°	34°	51°	300	209	91	72	W	6	10	4	0.040	☼ a. Showers from W.S.W., clouds from N.N.W.			
10	29°942	29°015	41°	38°	34°	45°	164	208	64	91	WNW	4	2	8	—	Hills covered with ☼.			
11	30°014	29°802	43°	40°	31°	50°	123	226	77	92	WSW	1	7	10	0.500	Hills covered with ☼.			
12	30°687	29°891	49°	48°	39°	52°	207	263	84	79	NW	7	9	8	0.020	Hills covered with ☼.			
13	29°909	30°081	50°	49°	43°	54°	234	298	65	86	W	5	4	5	—	Grey ☼, and like rain.			
14	30°017	29°932	49°	45°	43°	56°	279	275	80	92	Calm	0	9	4	—	Grey ☼, and like rain.			
15	30°101	30°179	48°	44°	38°	52°	263	265	76	92	Calm	0	6	5	—	Clouds from all directions.			
16	30°169	30°023	48°	40°	37°	52°	256	307	74	92	ESE	1	10	10	0.780				
17	29°916	29°777	50°	49°	45°	54°	306	276	84	79	Calm	0	ESE	2	10	0.160			
18	30°720	30°874	56°	41°	45°	57°	235	235	52	92	ESE	5	Calm	0	10	0	—		
19	30°825	30°807	47°	52°	38°	57°	275	310	86	80	ESE	2	ESE	3	8	10	0.160		
20	30°765	30°919	50°	49°	45°	52°	286	274	80	78	ESE	2	Calm	0	8	10	0.020		
21	30°019	29°917	51°	52°	48°	57°	323	266	86	69	Calm	0	ESE	3	10	10	0.270		
22	29°980	30°075	47°	49°	45°	55°	295	298	92	86	W	2	W	1	10	8	—	☼ ga.	
23	30°120	30°025	47°	40°	48°	44°	281	298	297	93	90	SW	6	SW	5	10	8	0.150	☼ ga.
24	30°860	30°825	45°	46°	45°	55°	253	265	85	86	SW	4	SW	6	5	10	0.300	☼ gp.	
25	30°725	30°628	46°	45°	41°	53°	261	253	85	85	W	3	W	1	8	10	0.320	☼ a. ☼ <sup>2</sup> sp., ground white with it.	
26	30°513	30°579	46°	46°	41°	52°	234	269	76	87	Calm	0	Calm	0	5	7	—		
27	30°716	30°820	50°	48°	40°	56°	267	263	75	79	WSW	3	E	2	7	3	—		
28	30°805	30°809	52°	47°	40°	58°	267	298	69	93	E	2	Calm	0	6	3	—		
29	30°728	30°665	54°	51°	42°	59°	317	355	75	92	Calm	0	Calm	0	0	9	0.250		
30	30°609	30°624	54°	51°	40°	58°	384	353	89	94	Calm	0	E	2	10	7	—	☼ ga.	
31	29°640	29°617	54°	56°	43°	60°	282	413	66	92	E	2	E	3	0	4	—		
Means	29°992	29°986	48°	46°	40°	54°	266	274	77°	86°	1	7	6°	6°	3°	400			



## DOUGLAS, ISLE OF MAN.

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

MAY 1879.

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°	36°	36°	47°	ins.	ins.	73	82	E 3-4	N 1	3	3	ins.	
2	451	460	45°	38°	29°	51°	209	183	70	79	ESE 3	NNW 1	1	0	—	
3	475	472	51°	40°	31°	56°	226	189	59	76	W 1	Calmo	0	0	—	ga.
4	521	543	52°	47°	32°	58°	238	226	61	70	E 1	NNW 3	0	0	—	ga.
5	552	521	53°	52°	42°	58°	267	302	64	77	NW 3	W 4	1	9	125	
6	269	217	46°	41°	39°	52°	278	177	90	68	N 4-5	NE 4	4	9	—	11.30p. sp.-9p.
7	251	302	42°	36°	35°	46°	154	182	57	86	N 5	Calmo	8	7	—	10a.
8	30°50	29°14	43°	44°	29°	47°	222	266	79	90	W 4	NW 4	10	7	075	
9	29°83	29°09	42°	40°	40°	46°	189	186	70	74	NNW 5	NNW 3	8	4	—	
10	30°33	29°01	46°	43°	32°	48°	199	226	64	78	NW 4	SW 3	3	10	200	Beautiful 5.30p.-5.40p
11	29°84	29°03	50°	45°	41°	55°	235	259	88	85	WSW 5	NW 2-3	9	1	010	a.
12	30°134	30°149	51°	45°	43°	57°	294	262	77	88	WNW 3	Calmo	8	8	010	
13	30°041	29°945	48°	40°	39°	54°	309	239	90	95	SSW 1	Calmo	10	3	—	
14	29°870	30°040	50°	44°	38°	55°	288	263	78	91	N 5	NNW 3	8	10	245	a.
15	30°152	29	48°	44°	39°	51°	251	235	74	80	NW 5	NNW 3	3	2	—	a.
16	30°212	30°095	49°	47°	39°	55°	281	307	79	93	S 1	SSW 1	3	10	090	ga. and 9p.
17	29°929	29°755	48°	45°	45°	52°	332	314	98	93	SE 2	E 1	10	10	260	
18	646	821	47°	47°	45°	51°	294	283	90	88	ENE 4	NE 3-4	10	10	030	
19	29°853	29°853	52°	47°	43°	54°	318	297	82	90	E 1	Calmo	3	10	—	ga.
20	29°905	30°005	47°	48°	44°	49°	326	321	99	94	S 1	NW 2	10	10	150	ga. and 4p.-6p.
21	30°084	30°054	52°	48°	45°	56°	277	321	69	94	W 3	SSW 1	1	10	005	11p.
22	008	102	49°	44°	43°	52°	330	250	95	85	WSW 2	WNW 4	10	3	095	
23	276	30°250	50°	46°	43°	56°	291	301	79	97	NW 5	SW 4	4	10	157	from 6p.
24	30°094	29°924	50°	48°	45°	52°	362	312	98	94	SW 4	Calmo	10	10	117	
25	29°891	29°774	49°	47°	42°	53°	268	313	76	96	N 4	W 4-5	4	4	330	
26	572	639	46°	41°	41°	52°	289	239	91	93	WSW 5	Calmo	10	1	005	9p.
27	705	729	47°	46°	36°	54°	287	278	90	88	SE 1	N 2	8	0	049	
28	734	739	50°	51°	43°	56°	281	305	77	81	NE 7	Calmo	9	10	—	a.
29	627	667	53°	49°	41°	55°	316	335	77	97	NE 7-8	Calmo	4	10	074	ga.
30	712	734	52°	48°	47°	56°	328	312	84	94	SSW 1	WSW 1	10	10	—	
31	29°652	29°560	55°	45°	45°	57°	312	262	70	84	WSW 4	WNW 3	8	5	027	
Means	30°020	30°012	49°	45°	40°	53°	276	262	79°	86°	3°4	1°9	6°1	6°3	2°054	

## WAKEFIELD.

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

MAY 1879.

1	30°210	30°346	40°	38°	35°	48°	190	186	77	79	NNE 3	ENE 2	7	0	010	
2	420	448	44°	43°	32°	52°	245	191	85	69	NE 2	ESE 1	7	0	—	
3	474	480	44°	44°	27°	57°	226	214	77	73	SSE 1	E 1	0	0	—	
4	537	497	47°	49°	29°	60°	233	232	72	66	SSE 1	ESE 1	0	0	—	
5	491	276	50°	49°	32°	62°	265	259	74	74	S 2	WNW 4	0	6	010	Looking rather wild 9p. [pearance 9p.
6	172	164	45°	38°	38°	50°	260	202	85	87	N 5	N 5	5	7	—	Rough wind all day. Threatening ap-
7	134	30°136	39°	37°	35°	44°	204	178	83	78	N 5	N 5	8	6	—	Threatening appearance 9a.
8	30°033	29°795	44°	45°	34°	48°	193	278	66	93	W 4	W 2	9	10	140	
9	29°792	29°959	43°	32°	32°	45°	246	157	87	85	NNW 2	NNE 2	9	1	—	Gloomy till 5.30p., then fine and bright.
10	30°044	30°008	43°	39°	28°	47°	188	181	68	76	W 2	NW 1	10	4	—	
11	29°872	29°981	43°	40°	32°	58°	226	273	80	78	S 2	W 2	10	5	030	Fine from 0.30p.
12	30°114	30°167	53°	47°	45°	60°	257	273	63	85	WNW 3	W 2	3	0	—	
13	30°064	29°941	51°	50°	36°	58°	303	294	81	81	SE 1	W 2	9	5	—	
14	29°811	29°909	47°	44°	43°	51°	277	278	87	94	NW 2	N 5	10	10	210	[threatening 9a.
15	29°959	30°123	44°	43°	41°	45°	259	275	89	98	NW 6	N 5	10	10	320	Rough and boisterous, n., still looks
16	30°175	30°187	44°	50°	42°	56°	277	351	95	96	N 3	ENE 2	10	10	—	
17	30°012	29°796	44°	52°	38°	60°	286	358	98	92	ENE 2	ESE 2	10	10	040	
18	29°689	29°804	48°	46°	45°	53°	338	308	99	99	NE 2	NE 2	10	10	080	
19	901	29°890	44°	50°	43°	53°	280	312	96	84	NE 2	ESE 2	10	10	—	
20	29°695	30°034	50°	55°	45°	61°	355	355	97	80	SE 2	W 2	10	10	030	
21	30°101	30°093	58°	56°	52°	64°	378	412	78	91	SW 1	SE 1	9	10	120	Threatening appearance 9a.
22	663	600	56°	52°	44°	59°	317	330	71	82	SW 4	W 5	10	10	090	
23	180	30°257	49°	48°	42°	58°	253	248	72	74	NW 5	W 2	7	10	070	Rough in past n.
24	30°120	29°777	54°	57°	43°	61°	306	307	71	84	SSW 2	W 4	10	10	—	
25	29°871	29°816	50°	48°	47°	53°	279	249	76	74	NW 3	WSW 4	6	1	020	Very fine from 10.30a.
26	648	632	53°	47°	43°	54°	295	269	73	84	WSW 2	NW 2	10	10	110	
27	684	701	50°	50°	39°	58°	238	307	65	85	SE 2	E 3	4	10	—	
28	729	746	49°	47°	44°	58°	295	268	85	81	ENE 2	NE 2	10	10	—	
29	620	694	49°	48°	43°	50°	313	333	88	99	NNE 2	NNW 1	10	10	420	
30	740	753	57°	51°	42°	61°	313	345	67	91	WSW 1	W 1	5	10	—	
31	29°642	29°572	57°	52°	43°	62°	321	287	68	74	WSW 1	WNW 1	6	10	310	
Means	30°009	30°006	48°	47°	39°	55°	271	277	79°	83°	2°5	2°5	7°5	6°6	2°000	

## KELSTERN.

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

MAY 1879.

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°	38°	32°	45°	in.	in.	%	%	NE 2	NNE 3	7	5	ins.	
2	400	467	45°	34°	32°	47°	192	181	63	91	NNE 3	NE 1	2	0	—	Very fine.
3	484	495	42°	34°	29°	48°	201	172	73	84	ENE 1	ENE 1	3	0	—	Very fine.
4	553	573	45°	35°	30°	50°	204	196	68	95	ENE 1	E 1	1	0	—	Very fine.
5	531	522	47°	40°	29°	65°	208	248	93	78	S 1	W 1	0	1	236	Very fine and warm.
6	134	127	41°	36°	35°	48°	193	181	75	86	N 4	NW 3	8	8	115	Ugly appearance 9a. ☼° a. and p.
7	071	30°130	39°	35°	32°	45°	179	186	76	91	NE 3	NE 1	8	8	040	☼ before 9a.
8	30°058	29°810	42°	41°	32°	51°	183	244	67	92	WNW 2	WSW 3	7	10	030	Ugly appearance a. Squally 3p. Very
9	29°766	29°957	41°	31°	31°	44°	223	142	86	78	NNW 2	NNW 1	10	0	014	[fine though very cold 9p. Ugly appearance a. and p., cloudy midday.
10	30°029	30°052	44°	35°	28°	49°	155	166	53	79	NW 1	SW 1	1	1	—	Very fine a. and p., cloudy midday.
11	29°984	29°979	43°	40°	32°	51°	197	287	71	93	SW 4	SW 2	10	7	028	
12	30°107	30°178	51°	44°	40°	60°	261	242	68	83	N 1	SE 1	1	0	033	Very fine all day.
13	30°093	29°972	48°	49°	39°	58°	287	296	84	85	SE 2	SW 2	9	10	057	11.30a.
14	29°810	29°837	50°	42°	42°	55°	318	264	88	98	SE 1	NW 4	10	10	830	ga.
15	29°846	30°042	40°	41°	37°	44°	244	257	98	100	NW 4	N 2	10	10	377	ga. and before.
16	30°174	30°165	45°	42°	40°	52°	292	275	96	100	N 2	SE 1	9	10	—	ga. all day.
17	30°039	29°861	49°	46°	41°	57°	315	288	89	92	SE 2	SE 2	7	5	—	before 9a.
18	29°721	782	49°	45°	43°	53°	324	288	94	94	ESE 2	E 1	9	10	—	ga.
19	880	29°948	43°	42°	40°	51°	338	268	99	100	N 1	SE 1	10	10	019	all day
20	29°985	30°073	52°	51°	41°	60°	256	331	90	86	S 1	S 1	9	10	029	ga.
21	30°123	118	57°	54°	49°	66°	367	379	78	89	S 1	SE 1	9	8	—	
22	080	061	54°	49°	48°	58°	331	345	77	96	SSW 3	S 1	9	10	230	
23	105	30°242	43°	41°	41°	50°	248	237	90	93	NW 4	NE 1	10	0	—	
24	30°185	29°957	52°	54°	37°	60°	307	374	77	87	SW 2	SW 2	6	10	706	
25	29°848	861	49°	43°	43°	58°	343	251	92	87	NW 1	WSW 1	9	2	—	
26	776	663	49°	45°	38°	56°	283	292	80	97	SW 4	SSE 1	9	2	—	7 p.
27	682	680	49°	43°	42°	54°	303	285	87	100	NNE 1	ENE 1	9	10	—	9p. and before.
28	693	740	49°	44°	41°	55°	312	269	87	94	NNE 2	NE 2	6	10	145	before 9a.
29	608	707	45°	47°	42°	50°	295	318	98	99	NE 2	S 1	10	10	422	before 9a.
30	778	786	54°	48°	41°	59°	348	299	82	87	SW 3	S 1	7	2	—	
31	29°673	29°587	56°	47°	42°	61°	317	316	70	96	S 2	NE 1	4	10	662	○ a. 9p. and before.
Means	30°014	30°014	47°	43°	38°	54°	269	260	81°	90°	2°	1°	7°	6°	4°	259



BUXTON.

Height above Mean Sea Level, 987 feet.      Long.  $1^{\circ} 54'$  W.    Lat.  $53^{\circ} 14'$  N.  
MAY 1879.

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° 35'	32° 9'	31° 3'	44° 1'	in.	in.	°/100	°/100	E	2	E	1	7	7	ins. °40	✱ a. and p.
2	30° 233	30° 359	35° 6'	32° 9'	31° 3'	44° 1'	°204	°144	99	77	ENE	2	SW	1	6	0	—	
3	°466	°516	39° 7'	31° 6'	29° 7'	49° 6'	°167	°153	68	86	SE	1	NW	1	3	2	—	
4	°484	°495	42° 9'	43° 9'	35° 2'	52° 7'	°245	°188	89	65	SE	1	SE	1	4	0	—	
5	°526	°581	50° 4'	39° 4'	28° 8'	58° 4'	°248	°211	68	88	NW	1	NW	2	3	6	°100	
6	°502	°346	53° 3'	44° 9'	30° 0'	58° 4'	°233	°232	58	78	N	1	NE	2	7	3	°010	▲ p.
7	°182	°197	41° 7'	37° 3'	33° 2'	46° 3'	°174	°141	66	73	NE	2	NE	1	8	10	°010	
8	°144	30° 188	37° 5'	33° 9'	29° 1'	47° 1'	°131	°143	59	74	W	2	W	2	8	10	°130	✱ before ga.
9	30° 062	29° 826	41° 7'	41° 9'	32° 0'	45° 7'	°166	°244	63	92	E	1	NE	1	8	0	—	
10	29° 796	30° 007	43° 1'	30° 9'	30° 5'	44° 9'	°256	°168	92	63	W	1	NW	1	6	4	°010	
11	30° 038	°080	42° 7'	32° 3'	23° 0'	46° 6'	°160	°172	59	94	SW	2	NW	1	10	10	°280	
12	29° 985	°011	37° 9'	45° 7'	31° 4'	54° 4'	°208	°270	91	89	NW	1	NW	1	6	3	°020	
13	30° 155	30° 215	47° 9'	39° 9'	39° 2'	55° 5'	°289	°214	88	87	W	1	SW	1	9	6	—	
14	30° 080	29° 978	50° 1'	44° 7'	36° 0'	54° 4'	°219	°262	62	88	NW	1	N	1	10	10	°080	
15	29° 812	29° 937	46° 9'	42° 2'	39° 8'	52° 2'	°274	°240	86	89	W	3	NE	2	10	10	°600	
16	30° 023	30° 251	38° 5'	39° 9'	38° 2'	48° 1'	°214	°230	94	94	NW	1	NW	1	6	10	—	
17	30° 191	30° 172	45° 5'	41° 9'	39° 2'	56° 0'	°259	°239	86	91	E	2	E	2	10	10	°150	
18	29° 978	29° 810	54° 7'	46° 9'	39° 8'	58° 7'	°280	°270	66	85	SW	1	SE	1	4	10	°100	
19	°071	°794	44° 9'	44° 4'	42° 0'	55° 0'	°279	°254	94	87	S	1	SW	1	8	10	—	
20	°861	29° 940	44° 3'	47° 1'	40° 8'	50° 2'	°268	°295	92	91	SW	1	Calm	0	10	5	—	
21	29° 979	30° 066	52° 7'	50° 9'	44° 4'	57° 8'	°268	°346	68	93	W	1	SW	2	8	2	°200	
22	30° 116	°117	54° 7'	49° 7'	48° 9'	63° 1'	°356	°335	84	94	W	1	SW	2	6	10	°140	
23	°087	°085	51° 4'	44° 4'	43° 5'	55° 4'	°292	°269	77	92	N	3	NW	1	8	4	—	
24	°185	30° 280	47° 7'	44° 7'	41° 1'	52° 7'	°283	°225	86	76	W	1	SW	2	10	10	°040	
25	30° 174	29° 967	50° 3'	53° 7'	42° 0'	59° 0'	°304	°362	83	87	W	2	W	2	8	2	°200	
26	29° 858	°885	50° 9'	42° 9'	42° 7'	54° 2'	°346	°237	93	86	W	4	NW	1	8	10	°250	
27	°071	°665	49° 8'	42° 9'	40° 8'	50° 3'	°301	°250	84	91	E	2	E	2	6	8	—	
28	°668	°687	50° 4'	45° 7'	39° 8'	53° 6'	°273	°278	76	92	E	2	E	1	10	3	°140	
29	°689	°750	50° 7'	43° 9'	40° 9'	55° 2'	°295	°247	80	86	E	3	Calm	0	10	10	°390	
30	°632	°731	44° 9'	44° 8'	41° 0'	48° 6'	°274	°276	92	93	SW	2	W	1	10	3	—	
31	°780	°798	50° 3'	46° 1'	43° 9'	52° 2'	°313	°278	86	90	NW	1	NW	1	8	10	°640	
Means	30° 022	30° 043	46° 7'	42° 4'	37° 0'	53° 0'	°254	°238	79° 2'	85° 6'	1° 6'	1° 2'	7° 6'	6° 6'	3° 46'			

## HILLINGTON, NORFOLK.

Height above Mean Sea Level, 88 feet. Long.  $0^{\circ} 33'$  E. Lat.  $52^{\circ} 48'$  N.  
MAY 1879.

1	30°167	30°241	46°1	38°1	29°1	50°7	*215	*202	70	88	NE	3	NE	2	4	2	*006	—	a. $\Delta$ 0.45p, 1.40p, and 3.15p.
2	*348	*347	48°0	36°1	35°2	51°7	*239	*196	72	93	NE	3	NE	0°5	3	0	—	Very fine cold wind. $\Delta$ p.	
3	*468	*474	45°0	31°2	28°4	53°3	*206	*172	69	98	NE	1	NE	0°5	5	0	—	—	a. and p. Very fine day.
4	*534	*446	44°6	36°0	25°9	54°7	*220	*204	75	96	NE	0°5	NW	0°5	10	0	—	—	a.
5	*519	*282	55°2	47°0	28°2	64°3	*254	*253	58	79	NW	0°5	NNW	1	0	8	*188	—	a. Very fine.
6	*100	*089	47°6	39°5	39°0	49°1	*213	*186	65	77	N	5	N	3	4	9	*055	—	$\Delta$ 5.15p and 10.11p. $\Delta$ p.
7	*021	30°078	43°4	36°6	34°3	47°2	*211	*188	75	87	N	4	NNE	1	5	8	*040	—	early a. $\Delta$ 5.30a. $\Delta$ * 7.30a. $\Delta$ p.
8	30°055	20°839	43°4	45°2	33°3	50°6	*204	*231	73	77	N	1	W	1	10	10	—	—	early a. $\Delta$ 5.30a. $\Delta$ * 7.30a. $\Delta$ p.
9	20°749	20°901	43°2	35°6	35°2	47°4	*246	*156	88	74	NE	2	NE	1	10	3	*003	—	—
10	30°018	30°053	46°2	41°4	32°6	51°5	*199	*186	64	72	NE	3	SE	2	3	10	—	—	Wind N.E. till evening.
11	*013	30°990	47°6	40°2	36°0	53°9	*207	*206	63	98	WSW	4	SW	1	7	10	*046	—	—
12	*098	30°169	53°6	49°0	37°9	64°1	*309	*267	75	77	NW	3	SE	0°5	3	9	*003	—	Very fine.
13	30°103	20°992	50°9	49°8	38°3	63°2	*313	*307	85	86	SE	0°5	SE	1	10	10	*012	—	[1.30p, 2.30p, and 6.15 p.
14	20°823	*707	51°7	43°4	43°1	55°1	*317	*274	83	98	SW	1	NW	5	7	10	*760	—	$\Delta$ Noon—0.30p. $\Delta$ 1.20p. $\Delta$ p.
15	20°813	20°064	40°4	44°5	39°2	46°5	*240	*273	96	93	NW	5	NE	5	10	10	*294	—	Fine afternoon.
16	30°132	30°152	50°2	42°3	42°1	53°5	*301	*263	83	98	NW	2	NE	1	9	10	—	—	$\Delta$ 2 in evening.
17	30°048	20°867	54°9	47°4	36°4	60°7	*345	*288	81	89	SSE	2	SE	2	10	9	*050	—	$\Delta$ before ga.
18	20°693	*742	51°9	48°8	44°0	57°5	*331	*317	86	92	ESE	4	SE	0°5	10	9	*003	—	Blustering wind.
19	*835	20°927	48°0	44°7	43°9	56°7	*305	*275	92	93	NE	1	NE	0°5	10	8	—	—	Chilly wind. $\Delta$ p.
20	20°983	30°073	59°8	54°5	41°2	64°6	*480	*360	94	85	SE	1	NE	0°5	8	10	*027	—	—
21	30°121	*121	59°5	54°5	50°2	70°4	*307	*343	367	83	SSW	0°5	SE	1	10	5	—	—	—
22	*080	*072	60°7	53°7	47°5	62°0	*357	*362	68	87	WSW	4	SW	0°5	8	10	*330	—	—
23	*042	30°438	44°5	46°0	42°0	55°0	*277	*287	95	93	NW	4	NW	1	10	6	*285	—	—
24	30°187	20°986	57°8	50°1	43°0	64°9	*328	*377	69	84	S	1	SW	1	4	10	*710	—	Very fine.
25	*856	*859	47°3	43°0	43°0	59°6	*319	*273	98	98	N	2	SE	0°5	10	0	*010	—	$\Delta$ 2 3.45p.
26	*719	*685	55°2	47°2	37°1	58°1	*313	*315	72	98	SW	3	SW	2	8	10	*116	—	—
27	*669	*632	53°2	45°5	45°2	59°3	*345	*303	85	100	SE	1	ESE	1	10	10	*008	—	T 2.20p. $\Delta$ p. [ $\Delta$ op.
28	*667	*671	52°2	44°8	44°3	60°2	*330	*329	84	99	ENE	4	NE	3	10	5	*080	—	n. $\Delta$ a. Bright early a. Fine 4p.
29	*577	*226	54°1	47°7	44°0	60°6	*381	*339	91	99	SW	3	SW	1	10	8	—	—	a. and op.
30	*803	*797	57°8	46°8	43°3	62°4	*339	*316	71	98	SW	3	SW	0°5	5	1	*006	—	a. and op. $\Delta$ 4.45p.
31	20°677	20°590	60°2	50°4	39°6	63°6	*360	*356	69	97	SW	2	SW	0°5	4	10	*220	—	$\Delta$ a. Distant $\Delta$ 1p. $\Delta$ 6.30p. $\Delta$ p.
Means	20°997	20°996	50°8	44°9	38°8	57°2	*292	*272	78°0	89°5	2°4		1°3	7°3	7°1	3°151			

Observer remarks: A dull, sunless month. Vegetation nearly a month in arrear. The wettest May for 13 years, except 1869 and 1878.

## UPPINGHAM.

Height above Mean Sea Level, 484 feet. Long.  $0^{\circ} 44' W.$  Lat.  $52^{\circ} 35' N.$

















MAY 1879.

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° 1	35° 6	32° 7	47° 9	in.	in.	%	%	ENE 3	NbyW 3	8	4	ins.	● $\Delta$ 10.30a. ✱ force 6, 2, 30. [ $\Delta$ 4p.
2	30° 181	30° 277	43° 1	36° 3	31° 5	51° 6	203	195	70	83	NE 3	Calm 0	7	0	—	
3	364	440	45° 3	38° 5	31° 5	58° 0	225	179	81	84	NE 1	NE 1	0	0	—	Very clear p. $\approx$ 0p.
4	477	470	45° 3	38° 5	30° 5	58° 0	212	204	70	87	NE 1	NE 1	0	0	—	Very clear p. $\approx$ 0p.
5	533	547	47° 1	38° 5	30° 5	59° 6	248	209	77	89	SbyE 1	NE 2	1	0	—	Sever. showers $\Delta$ 0 p. with ✱
6	526	531	52° 9	46° 8	30° 9	67° 2	255	186	63	58	Calm 0	WbyS 2	0	1	160	Sharp dissolving ✱ showers, p.
7	110	138	46° 8	35° 6	35° 6	49° 6	241	155	76	75	NNE 4	NNE 1	8	0	—	Several showers $\Delta$ 0 p. with ✱
8	075	30° 121	38° 5	31° 9	41° 6	43° 6	176	178	72	84	NNE 3	NNE 1	8	3	010	Sharp dissolving ✱ showers, p.
9	30° 086	29° 804	41° 0	43° 1	30° 8	51° 3	174	235	68	84	NNW 2	swbyW 3	10	10	017	
10	29° 757	29° 948	41° 8	34° 1	34° 1	48° 7	231	140	88	76	NbyE 3	NE 1	10	0	—	
11	30° 036	30° 048	44° 4	39° 0	28° 1	48° 7	188	188	64	80	NbyW 2	Calm 0	3	8	—	Wind WSW. at 7p.
12	010	008	41° 1	44° 4	34° 2	52° 0	226	283	88	97	SW 4	SW 1	10	9	137	
13	118	30° 168	52° 0	48° 1	40° 8	59° 7	285	321	74	96	NbyW 3	WbyN 1	6	0	013	$\infty$ 0p.
14	30° 085	29° 993	54° 7	46° 3	44° 2	58° 9	291	315	68	100	SbyW 2	Calm 0	10	10	129	[backed to N. with ● 1.20p.—4.20p.
15	29° 810	29° 861	49° 3	43° 6	43° 1	52° 0	318	263	91	93	SbyW 2	NbyE 4	10	10	189	$\approx$ 0a. and op. T <sup>2</sup> one peal, 1p. Wind
16	29° 930	30° 023	40° 2	42° 3	39° 7	44° 3	237	268	95	99	NW 4	NbyW 3	10	10	583	Squally $\approx$ all day.
17	30° 161	30° 149	44° 8	46° 2	41° 0	57° 0	273	308	92	99	NNE 3	SSE 1	10	9	—	$\approx$ 0p.
18	30° 017	29° 835	52° 0	47° 0	37° 1	57° 9	325	287	84	90	SbyE 1	SbyE 1	3	10	160	Ground $\approx$ 4.15a. $\Delta$ a. $\approx$ 0a.
19	26° 61	719	47° 2	40° 3	43° 1	50° 9	320	302	99	97	SE 3	EbyS 1	10	10	218	[3p.—6.30p.
20	855	925	44° 6	47° 4	41° 4	59° 9	285	316	97	96	NE 2	Calm 0	10	10	—	$\approx$ 4.15a. $\approx$ 0a. and op. Blue sky
21	29° 963	30° 055	52° 3	54° 0	53° 0	59° 0	349	352	89	84	SbyE 1	Calm 0	10	10	011	$\approx$ 0 before 0a.
22	30° 108	105	58° 8	55° 3	50° 7	63° 6	408	386	82	88	SSW 1	SbyE 1	10	5	—	[ $\approx$ 0p.
23	101	071	55° 3	49° 6	47° 2	57° 0	342	354	78	99	SW 3	swbyS 2	10	10	008	Warm, but colder towards evening.
24	737	30° 236	44° 4	46° 4	40° 0	52° 9	260	280	92	89	NNW 4	NNE 1	10	10	010	Morning obs. taken at 9.35a., but pressure given is the approx. 9 a.m. reading.
25	30° 201	29° 996	54° 8	54° 8	40° 0	62° 6	326	387	76	90	swbyS 2	SW 3	9	10	349	Watery $\infty$ in the air all day.
26	29° 864	880	49° 5	44° 3	46° 3	58° 4	315	252	89	81	NbyW 2	NW 1	10	1	—	T a.
27	759	664	52° 1	44° 0	40° 0	55° 5	317	296	81	99	swbyW 4	SW 1	9	10	387	$\approx$ 2 showers with distant T Noon-7p.
28	658	620	48° 7	46° 1	43° 4	52° 8	317	310	92	99	NE 2	NbyE 2	10	10	109	$\approx$ 6a.
29	661	674	47° 9	45° 5	42° 1	54° 0	294	293	89	96	NbyE 3	NE 4	10	8	329	
30	560	704	46° 9	49° 4	42° 6	57° 1	332	330	100	90	EbyN 0-1	SW 2	10	9	027	$\approx$ 8a.—10a. Wind changed to SW.
31	780	786	53° 3	48° 9	42° 8	58° 6	336	320	82	88	SW 4	SSW 1	8	0	190	T 5.15p. ● $\Delta$ 2 5.25p. 5.35p., then
31	29° 672	29° 597	56° 2	53° 8	48° 8	63° 1	360	345	79	83	SbyW 0-1	WNW 1	6	10	025	Wind rising 9p. [cleared.
Means	30° 008	30° 009	48° 1	44° 8	38° 9	55° 2	280	272	82° 3	89° 1	2° 4	1° 5	7° 9	6° 4	3° 151	

OSCOTT.

Height above Mean Sea Level, 460 feet. Long.  $1^{\circ} 51' W.$  Lat.  $52^{\circ} 33' N.$

MAY 1879.

1	30°188	30°296	39°8	37°4	34°7	46°2	*189	*162	77	72	ENE 1	NNE 1	10	0	—	● <sup>0</sup> × <sup>0</sup> 11.15a., 2.15p., and 4p.  [3.30p.]
2	*385	*454	42°4	38°1	31°5	48°3	*180	*172	67	75	NNE 3-4	NNE 1	4	0	—	Day fine.
3	*460	*465	44°8	45°1	31°5	55°4	*206	*215	69	73	NNE 1	Calm 0	0	0	—	∞ a.  p.
4	*554	*529	44°3	47°0	32°0	57°7	*227	*253	78	73	Calm 0	ENE 1	0	0	—	∞ generally, but very clear in aft.
5	*523	*348	51°5	45°9	35°1	62°6	*273	*245	73	80	NNW 2	NW 2	0	1	—	∞ a. Afternoon almost cloudless.
6	*145	*152	45°0	40°0	39°5	48°3	*235	*170	76	68	NNE 3	NE 3	9	10	—	
7	*113	30°156	39°0	35°0	31°9	45°3	*161	*164	69	80	NNE 5-6	N 1-2	9	7	—	× <sup>2</sup> showers from 1sa. throughout.
8	30°093	29°803	40°8	41°5	38°0	52°4	*153	*251	60	96	NW 2	SW 3-4	10	10	—	 p.
9	29°759	29°960	44°9	34°8	34°4	48°8	*254	*170	86	84	NNE 3	NNE 1	10	8	—	○ 9a.  9p.
10	30°054	30°056	42°9	38°9	28°6	48°1	*159	*202	57	86	NW 2	Calm 0	8	1	—	T 5.15p. and 6p.
11	29°988	*012	40°7	46°5	34°9	57°2	*224	*286	88	91	SSW 4	WNW 1	10	0	—	Day fine, nearly cloudless in evening.
12	30°139	30°163	51°1	50°1	41°2	58°8	*237	*246	64	69	NW 3	Calm 0	9	10	—	 a.
13	30°084	29°960	50°0	47°7	43°4	58°7	*288	*318	81	96	WNW 0-1	Calm 0	10	10	—	1800  9.30a.—11a. ● <sup>2</sup> 9a.—5.30p.—
14	29°796	29°922	47°0	44°6	43°0	49°2	*306	*265	95	90	Calm 0	NW 2	10	10	—	all day. ● <sup>2</sup> from 11a., ● <sup>2</sup> Noon-6p.
15	30°008	30°080	45°2	43°0	39°7	46°5	*215	*240	72	86	NW 6-7	N 4	9	10	—	 9a.  9p.
16	30°195	30°142	43°7	48°8	42°2	55°2	*249	*302	87	88	NNE 3	S 1	10	10	—	 9a.  9p.
17	29°083	29°793	53°1	47°5	43°3	61°1	*300	*290	75	89	S 3	SE 2	9	10	—	 9a.
18	*621	*716	46°9	48°0	44°5	50°3	*309	*330	97	99	ENE 3	NE 2	10	10	—	 9a. Day fine.
19	*828	29°912	45°0	49°9	43°5	55°4	*277	*313	93	88	NE 3	E 2	10	10	—	
20	29°954	30°050	54°7	54°3	47°5	60°2	*306	*357	72	85	WSW 2	SSW 0-1	10	10	—	 9a.
21	30°099	*086	57°2	56°0	51°1	67°1	*406	*386	87	86	S 2	SSW 2	10	5	—	 9a.
22	*088	*059	53°9	51°6	48°7	59°1	*313	*345	76	90	SW 3	SW 2-3	9	10	—	
23	*187	30°262	48°9	47°1	41°2	55°9	*279	*236	81	73	NW 6	NNW 3	8	9	—	Evening.
24	30°189	29°975	54°8	54°8	44°3	60°1	*332	*381	77	89	SSW 2	SW 5	10	10	—	Fine from 3a. Nearly cloudless in the
25	29°890	*884	50°0	46°1	46°1	57°9	*291	*254	81	82	NW 3-4	SW 2	9	0	—	evening.
26	*731	*652	49°9	44°5	42°3	54°1	*292	*277	82	95	SSW 4-5	SW 2	10	10	—	towards mid-day. ● <sup>2</sup> showers p.
27	*663	*631	49°2	48°1	42°3	52°7	*266	*329	76	98	NNE 3	NE 3-4	9	10	—	
28	*669	*670	46°0	48°0	42°4	53°7	*274	*290	89	87	ENE 4	NNE 3	10	6	—	
29	*598	*692	45°6	51°1	42°8	58°1	*302	*322	99	85	NE 2	S 1	10	10	—	Wind SW. at noon.
30	*765	*774	52°0	51°0	43°2	61°8	*325	*304	84	81	S 3	S 2	9	0	—	 p.
31	29°662	29°617	55°0	50°5	42°3	63°9	*318	*358	74	98	S 2	WSW 1-2	9	10	—	
Means	30°013	30°011	47°6	46°2	40°0	55°1	*262	*271	78°8	84°9	2°8	1°8	8°4	6°5	3°220	Fine at first. At 9a.  in the distance (SSW. round to NW.), arrived there at 9.30a., with wind WSW.

\* A few miles off two men were killed by the  $\angle$  at the beginning of the  $\mathbb{R}$ , and two others knocked down.



## CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.  
MAY 1879.

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°	35°	30°	45°	in.	in.	%	%	E	4	S	2	8	4	ins. 0.10 a. Mild. * p.
2	425	473	39°	42°	28°	48°	194	217	80	79	N	4	N	2	5	4	a. Cold and bright.
3	506	516	45°	44°	28°	55°	220	199	74	68	N	1	N	2	3	4	a. Fine.
4	537	565	50°	47°	31°	59°	218	213	61	66	NNW	1	E	2	3	4	a. Fine and mild.
5	553	600	51°	46°	34°	63°	230	233	60	73	N	2	W	3	2	5	a. Fine. [and before
6	599	610	43°	37°	36°	48°	208	197	72	87	NNW	5	N	2	6	10	a. Wild appearance, cold. ▲ 9p.
7	570	570	37°	37°	33°	42°	174	179	76	80	N	4	N	2	8	7	a. Gloomy and cold. * p. Swifts
8	5094	5094	43°	44°	30°	50°	181	263	65	91	WNW	3	W	5	5	10	a. Sunny. Cold p. 3p. [seen
9	5098	5098	48°	39°	38°	51°	258	214	77	89	NNW	4	NNE	2	5	8	a. Gloomy and wild.
10	5081	5081	43°	38°	34°	50°	188	184	67	79	N	3	W	3	5	8	a. Fine. a. and 9p.
11	5075	5075	44°	45°	37°	50°	256	296	87	96	S	4	W	2	6	3	a. Sunny.
12	5073	5073	51°	49°	40°	61°	336	335	87	94	NNW	3	W	3	6	7	a. Mild.
13	5080	5080	48°	47°	39°	53°	302	304	89	92	SW	2	SW	2	7	8	a. Mild.
14	5086	5086	43°	43°	41°	49°	265	253	93	91	SW	4	NNW	3	10	10	Mild.
15	5082	5082	46°	46°	41°	50°	234	249	74	84	NNW	4	NNW	4	6	7	a. Cold and gloomy p.
16	5084	5084	49°	49°	42°	59°	265	322	75	93	N	2	NW	2	4	7	a. Fine.
17	5070	5070	50°	45°	37°	56°	333	278	92	93	S	3	SW	3	8	10	a. Dull.
18	5072	5072	46°	47°	44°	51°	298	312	93	95	E	4	N	3	10	10	a. and 9p. p.
19	5073	5073	48°	49°	44°	59°	303	318	89	91	N	2	SSW	2	10	10	a. Mild.
20	5077	5077	52°	53°	44°	58°	309	353	80	87	SW	3	SSW	2	6	10	a. Mild.
21	5064	5064	55°	54°	51°	61°	382	384	86	90	S	1	S	2	7	8	a. Mild.
22	509	509	52°	46°	45°	56°	375	280	94	90	S	3	NNW	2	8	10	a. Mild.
23	5070	5070	50°	47°	39°	56°	351	253	69	79	NW	4	W	4	7	8	a. Sunny. Wild appearance later
24	5088	5088	53°	52°	43°	60°	344	375	84	94	W	3	SW	4	7	10	a. a. and p. Mild.
25	5090	5090	48°	45°	45°	55°	281	265	82	86	NNW	2	SW	4	6	5	a. Fine.
26	5071	5071	50°	43°	43°	53°	280	251	77	90	SW	4	SW	2	8	7	a. Gloomy.
27	5092	5092	49°	46°	34°	54°	245	284	71	91	N	3	NNE	2	5	10	a. a. and p.
28	5083	5083	44°	49°	43°	52°	275	295	83	85	NE	3	E	2	10	7	a. a. and p.
29	5077	5077	45°	50°	42°	57°	293	312	96	86	NNE	2	E	3	10	8	a. and p. Mild.
30	5073	5073	52°	44°	41°	61°	323	275	83	93	SSW	3	S	2	6	4	a. Mild. ▲ 3.30 p.
31	5074	5074	53°	49°	39°	62°	324	296	78	83	E	2	W	4	5	8	a. Fine. Gloomy later.
Means	5070	5070	47°	45°	38°	54°	270	270	80°	86°	5°	2°	6°	7°	2°	23°	

## AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.  
MAY 1879.

1	30°154	30°244	42°8	33°6	33°2	48°1	210	186	76	96	NE	2	NE	2	6	0	▲ * p.
2	319	426	44°8	33°9	30°0	50°0	199	188	67	97	NE	3	NE	2	5	0	—
3	452	476	44°6	33°0	28°0	53°6	215	184	73	98	NE	3	NE	2	0	0	—
4	524	514	44°6	41°7	26°0	56°0	201	214	68	82	NE	2	NE	1	4	0	—
5	517	305	48°1	48°1	30°0	63°4	224	240	67	72	NE	2	NW	2	0	0	Very fine.
6	110	090	44°5	37°6	37°5	49°1	245	174	83	77	NW	3	NE	2	10	0	● <sup>2</sup> early a. ▲ showers.
7	027	30°086	38°4	33°6	35°5	44°1	200	176	87	91	N	2	N	2	7	0	* early a. ▲ * showers p.
8	30°077	29°843	40°9	44°6	32°2	49°1	184	215	72	73	N	2	NW	1	8	10	—
9	29°726	29°911	48°4	36°6	36°5	48°5	266	174	79	80	NW	3	NE	2	10	0	—
10	30°040	30°062	41°5	39°6	25°0	49°1	177	189	68	78	NW	2	NW	2	5	10	—
11	048	032	46°3	46°6	34°9	50°1	200	294	64	93	SW	3	SW	2	10	10	Clear and warm.
12	116	186	54°3	44°3	43°3	60°4	241	253	57	87	NW	3	NW	2	4	3	—
13	30°106	30°008	57°0	48°7	34°4	62°7	303	303	65	89	SW	2	SW	2	7	8	010
14	29°823	29°820	53°6	45°1	40°8	56°1	288	270	70	90	SW	2	NW	3	7	10	T <sub>p</sub> ● <sup>2</sup> all the morning. ● <sup>0</sup> after.
15	29°074	29°060	42°7	44°6	41°3	45°3	233	276	85	94	NW	5	NW	5	10	10	500
16	30°110	30°154	46°1	39°9	32°2	53°6	280	241	91	99	N	2	NW	1	10	0	Low 2 at night.
17	30°047	29°819	54°9	47°0	33°7	59°0	315	284	73	89	SE	2	SE	1	5	10	080
18	29°654	702	48°2	48°6	45°9	51°9	312	297	97	88	SE	3	SE	1	10	10	070
19	823	29°920	49°2	46°6	43°2	57°5	324	305	93	97	NW	2	NW	1	10	0	—
20	29°081	30°080	57°6	53°5	39°3	65°0	365	365	65	89	SE	1	SE	2	7	10	030
21	30°128	137	59°3	49°6	47°1	66°0	389	345	78	97	SW	2	Calm	0	7	0	—
22	134	081	59°1	52°8	46°3	63°6	330	333	66	83	SW	2	SW	1	7	10	160
23	110	192	44°6	43°6	45°6	53°1	258	266	88	93	NW	5	NW	2	10	2	300
24	30°214	30°023	52°6	53°6	37°3	65°3	267	340	68	82	SW	1	SW	1	6	7	340
25	29°850	29°833	49°9	48°1	48°0	57°0	349	259	98	77	NW	2	NW	1	10	0	050
26	815	705	53°0	48°9	38°9	57°1	290	318	72	93	W	2	SW	2	7	10	130
27	655	553	52°0	49°6	47°7	58°9	335	286	86	81	SE	1	NE	2	10	7	020
28	646	575	48°6	46°9	46°2	57°6	295	295	81	93	NE	2	NE	3	10	10	390
29	615	741	50°9	48°1	45°5	59°0	302	308	82	92	SW	3	SW	1	7	3	—
30	833	810	52°8	43°6	40°3	60°0	313	274	78	97	SW	2	SW	1	7	0	—
31	29°697	29°615	55°3	48°1	39°3	60°9	340	316	78	94	S	1	SW	1	8	0	—
Means	30°009	29°997	49°2	44°5	38°3	55°8	270	263	76°6	88°4	2°3	1°7	7°2	4°5	2°860		

## CHELTENHAM.

Height above Mean Sea Level, 184 feet. Long. 2° 3' W. Lat. 51° 54' N.  
MAY 1879.

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°	38°	36°	46°	in.	in.	%	%	N	1	N	2	10	0	ins. 0.08 ▲ 0 ● 6p.
2	30° 167	30° 272	37° 2	38° 5	36° 4	46° 2	208	193	94	83	N	1	N	2	10	0	—
3	387	450	46° 3	39° 0	29° 8	51° 3	228	193	73	81	N	3	N	1	4	0	—
4	476	477	44° 3	40° 0	35° 0	52° 8	219	211	75	86	N	1	W	1	10	0	—
5	517	523	47° 8	45° 8	28° 0	59° 7	256	234	77	77	W	1	Calm	0	10	0	—
6	524	363	50° 4	48° 8	28° 3	64° 3	270	268	75	78	N	1	N	1	0	1	—
7	125	125	48° 1	41° 6	35° 0	51° 0	287	207	86	79	N	4	N	2	7	10	—
8	108	30° 141	40° 7	36° 4	34° 5	45° 1	181	180	71	84	NE	5	E	2	8	8	—
9	30° 115	29° 906	40° 0	43° 4	24° 5	52° 4	187	252	75	89	N	1	NW	2	8	10	—
10	29° 764	29° 952	49° 1	39° 8	39° 5	52° 0	287	202	83	83	NW	2	N	1	9	9	—
11	30° 080	30° 058	43° 8	42° 8	23° 4	51° 0	228	219	79	80	N	1	NW	1	6	9	—
12	036	026	41° 5	48° 5	37° 4	55° 5	225	313	87	93	S	1	W	1	10	6	—
13	166	30° 174	53° 5	52° 7	36° 5	63° 1	311	315	76	79	NW	2	W	1	5	9	—
14	30° 086	29° 962	53° 9	49° 0	41° 4	55° 5	289	300	70	87	W	1	SW	2	7	5	—
15	29° 807	29° 950	48° 3	46° 0	43° 2	53° 0	304	280	90	91	S	2	SW	2	10	10	—
16	30° 076	30° 059	49° 5	44° 8	42° 5	52° 0	222	266	63	88	NW	6	N	6	5	10	—
17	30° 212	30° 135	46° 8	48° 1	43° 0	56° 1	278	297	87	89	NE	2	W	1	10	10	—
18	29° 971	29° 718	53° 6	47° 4	41° 0	58° 2	328	306	79	94	S	1	S	7	8	10	—
19	573	706	53° 2	50° 3	46° 7	55° 7	350	325	86	90	SE	3	SE	1	10	200	—
20	871	29° 931	47° 9	51° 0	45° 0	64° 2	301	343	91	92	E	1	S	1	9	10	—
21	29° 978	30° 079	54° 7	55° 0	47° 8	63° 0	309	366	72	85	SW	1	SW	1	10	6	—
22	30° 115	110	57° 2	52° 8	51° 0	68° 0	381	303	81	91	S	1	S	1	5	3	—
23	120	065	53° 4	51° 2	48° 5	61° 2	337	360	83	96	S	2	W	1	10	210	—
24	179	273	51° 6	48° 6	35° 1	58° 5	202	258	76	75	N	5	W	1	8	10	—
25	30° 326	30° 001	53° 4	53° 8	45° 0	61° 2	330	391	81	94	SW	1	W	1	7	10	—
26	29° 902	29° 923	51° 5	48° 0	47° 0	59° 0	316	286	83	86	NW	2	NW	1	9	1	—
27	795	665	51° 2	45° 0	45° 0	55° 9	335	308	89	96	SW	3	W	1	10	10	—
28	551	566	49° 8	47° 8	39° 8	52° 2	209	313	84	94	N	1	NW	3	6	10	—
29	583	640	52° 1	51° 2	45° 0	58° 6	338	332	86	89	SE	2	S	2	3	7	—
30	602	718	50° 9	50° 8	43° 5	57° 1	312	332	84	89	SW	1	W	1	10	6	—
31	768	802	54° 5	45° 8	45° 8	62° 0	343	292	82	95	SW	3	SW	1	10	0	—
Mean	29° 644	29° 647	56° 1	52° 9	45° 4	64° 4	346	256	78	89	S	1	SW	1	6	10	—
Means	30° 016	30° 013	49° 4	47° 1	39° 2	56° 8	287	286	80° 5	87° 2	2° 0	1° 6	7° 7	6° 8	2° 800	—	



## MARLBOROUGH.

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

MAY 1879.

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°8	37°0	33°1	43°1	ins.	ins.	80	86	Calm	NE	1	0	ins.	* a. and p.
2	359	443	42°0	38°6	31°3	49°8	184	168	70	72	NE	N	1	8	0	
3	485	462	46°1	42°4	29°1	55°9	190	193	62	72	N	Calm	0	0	0	
4	523	536	48°9	44°0	29°7	58°7	215	212	63	73	Calm	Calm	0	0	0	
5	533	568	51°8	49°9	31°3	65°6	233	258	61	73	N	Calm	0	0	0	
6	557	533	43°6	39°7	39°6	52°4	238	200	84	82	N	N	1	9	0	
7	584	504	41°3	35°1	30°1	46°7	172	175	67	85	NE	Calm	0	7	1	* p.
8	591	593	40°5	42°7	28°2	50°9	149	225	60	82	N	N	1	10	10	
9	574	593	48°6	38°7	38°1	54°9	281	195	83	83	N	N	1	10	6	
10	582	507	42°4	39°7	27°6	51°2	166	190	62	77	N	Calm	0	2	8	
11	573	568	40°6	46°5	36°2	50°1	230	306	91	98	SW	Calm	0	10	10	
12	564	504	54°7	50°0	43°2	62°8	296	294	69	82	NW	NW	1	3	9	
13	545	500	49°3	47°7	43°8	53°7	283	322	81	97	SW	Calm	0	9	3	
14	554	539	46°4	44°7	43°5	54°9	273	268	87	91	W	NW	1	8	10	
15	564	508	50°0	43°4	39°9	55°6	237	244	66	87	NW	NW	1	8	10	
16	597	518	45°0	48°2	42°7	60°6	265	297	89	89	NW	Calm	0	10	0	
17	599	567	54°4	46°6	42°3	58°9	298	294	70	93	S	S	1	8	10	
18	582	579	49°9	49°5	46°2	56°4	338	311	95	89	Calm	Calm	0	9	10	
19	587	539	47°6	52°7	45°2	61°3	293	319	90	80	Calm	Calm	0	10	9	
20	595	509	55°0	53°7	47°3	66°3	275	342	64	83	Calm	W	1	9	9	
21	547	552	56°4	52°7	49°5	66°3	330	305	73	92	SW	SW	1	9	10	
22	540	510	55°5	51°7	46°1	61°7	329	355	75	92	SW	SW	1	10	10	
23	529	528	52°8	50°0	40°4	60°8	251	299	63	59	NW	NW	1	8	10	
24	540	505	55°3	53°8	44°5	64°6	315	358	73	86	NW	NW	1	9	10	
25	597	595	50°1	45°7	45°7	61°5	335	270	93	89	N	W	1	10	0	
26	588	506	53°7	47°4	40°7	54°7	302	307	73	94	SW	SW	1	9	9	
27	637	568	48°7	48°6	44°7	50°8	296	322	87	95	NE	NE	1	10	10	
28	604	560	48°3	47°2	45°2	57°5	296	286	88	89	NE	Calm	0	9	10	
29	630	549	49°8	47°8	42°8	58°6	281	295	79	89	S	Calm	0	8	4	
30	5812	5810	52°7	49°5	46°4	60°0	324	294	81	84	S	Calm	0	10	2	
31	5681	5682	53°2	48°7	46°8	62°2	311	298	77	87	Calm	Calm	0	9	7	
Means	50°35	50°32	48°7	46°3	40°0	57°0	263	270	76°0	84°8	0°9	0°5	7°8	6°0	3°44	

## STRATHFIELD TURGIS.

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

MAY 1879.

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°162	30°222	38°1	38°5	32°0	46°1	204	188	88	81	NE	NE	2	10	1	* a. and before.
2	335	414	45°1	40°4	38°0	52°2	188	176	63	70	NE	NE	2	2	0	Squally a.
3	469	448	48°4	43°7	23°6	57°2	221	208	65	73	NE	NE	2	1	0	* a.
4	522	516	47°7	45°6	28°0	60°2	240	222	73	73	E	NE	2	4	0	* a.
5	516	547	55°7	47°2	30°3	66°8	235	260	53	81	N	W	1	0	0	* a.
6	513	505	45°5	40°4	39°3	53°0	270	203	89	81	W	NW	2	10	9	
7	507	500	41°9	36°6	32°0	45°1	175	168	67	78	N	3-4	N	7	7	
8	5103	50923	41°8	43°0	29°4	51°6	148	215	56	78	N	NW	1	9	7	
9	50770	50908	47°8	41°0	40°5	55°4	289	181	87	70	NW	NE	3-4	10	10	
10	50661	50900	43°0	41°8	26°3	51°4	172	194	61	74	N	NW	1	5	5	
11	5091	5067	45°1	46°3	35°5	48°1	226	290	76	92	NW	SW	2	10	10	
12	5154	5197	54°6	48°5	43°4	62°9	346	294	81	87	W	W	1	3	0	
13	5163	50007	48°4	48°5	39°0	53°3	286	316	84	94	SW	SE	1	10	10	
14	50844	50905	49°3	47°7	41°8	55°4	311	287	89	87	W	SW	2	10	10	
15	50033	50034	51°4	43°5	42°2	56°1	216	253	57	90	NW	4-5	NW	3	4	
16	5159	50174	45°7	42°4	42°1	56°1	276	258	91	95	N	Calm	0	10	1	
17	5036	50805	56°0	48°4	38°0	59°1	284	299	63	89	SW	SE	3	6	10	
18	50598	5664	54°1	49°4	46°2	57°3	349	312	84	89	SE	SE	2	10	10	
19	5035	50929	51°0	48°8	43°6	63°1	307	317	82	92	N	SW	1	10	7	
20	50993	50083	58°0	52°0	43°3	65°5	364	316	76	81	SW	SW	1	10	6	
21	50172	5146	57°9	52°0	47°0	66°6	353	335	73	86	SW	SW	1	10	1	
22	5147	5116	60°1	54°0	46°4	63°6	345	336	67	80	SW	SW	1	10	10	
23	5194	5244	51°0	51°6	42°4	57°1	236	225	63	59	NW	4-5	NW	2	10	
24	50238	50056	57°8	54°8	39°5	60°0	305	277	64	65	N	SW	2-3	2	10	
25	50881	50935	50°9	48°4	48°0	62°2	349	266	94	79	NW	3	W	2	10	
26	5831	5607	56°0	50°2	38°3	58°6	284	327	63	91	W	3-4	SW	1	10	
27	5622	560	50°1	49°5	45°7	56°1	316	289	87	82	NW	2	SE	1	10	
28	588	532	51°4	48°9	45°4	58°5	327	306	86	89	E	SE	1	9	10	
29	5625	549	54°1	49°9	40°3	59°5	313	306	75	86	S	SE	1	8	3	
30	5829	5798	53°4	47°3	44°4	62°2	325	278	80	86	SE	S	1	10	3	
31	5694	5673	50°9	51°5	44°2	61°5	349	346	94	91	SE	SW	2	10	7	
Means	50°27	50°18	50°4	46°8	39°2	57°8	278	266	75°2	82°2	2°3	1°6	7°7	6°0	3°58	

## RAMSGATE.

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

MAY 1879.

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.	45° 6	39° 9	34° 6	51° 0	in.	in.	68	80	N	1	N	1	7	9	ins.  2 p.
2	30° 157	405	46° 6	41° 8	35° 1	51° 8	233	223	74	85	N	4	N	4	5	2	Squally a. and p.  qp.
3	446	477	46° 3	40° 9	39° 0	50° 3	216	214	69	84	NE	5	NE	4	5	3	Squally  p.
4	528	514	46° 5	42° 8	39° 2	51° 5	210	240	67	88	NE	2	N	2	8	0	qp.
5	486	543	51° 0	45° 0	41° 8	58° 0	267	230	72	77	NW	2	W	1	1	0	qp.
6	30° 064	5070	46° 3	40° 6	39° 5	50° 2	293	210	94	84	W	1	N	4	10	6	° 090
7	29° 981	30° 073	42° 7	39° 5	35° 2	48° 8	246	170	89	71	N	5	NE	3	7	5	° 080  *  0 a.
8	30° 056	29° 943	45° 0	40° 1	35° 5	50° 6	204	195	68	78	N	5	SW	2	6	3	
9	29° 738	29° 903	49° 0	41° 2	38° 0	55° 7	265	187	76	73	W	3	NE	4	10	7	
10	30° 024	30° 146	45° 8	39° 8	35° 6	53° 0	185	183	61	81	NW	4	Calm	0	7	1	a.  qp.
11	509	5110	50° 0	45° 1	35° 1	53° 3	233	259	65	86	SW	5	SW	2	6	10	Squally  p.
12	5148	5226	55° 5	47° 0	44° 6	63° 7	304	275	70	86	W	1	Calm	0	7	0	qp.
13	30° 157	30° 072	55° 0	47° 3	40° 8	60° 3	328	292	76	90	S	3	SE	4	8	9	° 050
14	29° 893	29° 841	54° 6	46° 0	45° 8	59° 2	274	276	65	90	SW	6	SW	1	9	9	Squally  a. and p.
15	29° 938	29° 892	46° 4	42° 8	41° 9	46° 8	253	275	81	100	W	6	SW	4	10	770	Squally  a. and p.  2   p.
16	30° 079	30° 216	48° 2	43° 8	42° 2	57° 2	277	268	83	94	NE	4	Calm	0	8	2	qp.
17	30° 106	29° 918	45° 8	48° 2	40° 4	56° 3	277	273	91	82	SE	2	SE	1	10	8	
18	29° 682	721	48° 0	48° 2	47° 0	53° 3	318	303	95	91	E	2	E	1	10	5	° 030
19	29° 796	29° 960	55° 5	47° 0	45° 5	62° 3	353	303	80	94	N	2	NE	2	2	2	° 070  a. and qp.
20	30° 030	30° 145	56° 2	52° 5	42° 8	61° 2	346	344	76	87	N	1	Calm	0	3	7	before ga. T p.  D qp.
21	775	792	53° 9	50° 3	42° 7	68° 4	355	321	85	88	Calm	0	Calm	0	10	2	qp.
22	717	709	59° 4	56° 0	44° 1	66° 3	360	382	71	85	Calm	0	Calm	0	5	8	° 090
23	713	761	52° 7	45° 7	44° 9	56° 8	279	307	71	100	W	3	SW	6	6	10	1250 Squally  p.  2.
24	30° 232	30° 102	53° 2	49° 0	44° 5	59° 8	333	315	82	91	N	1	Calm	0	5	2	qp.
25	29° 875	29° 039	53° 1	47° 2	46° 9	60° 2	317	313	78	97	S	2	Calm	0	5	2	° 080
26	867	794	56° 8	49° 0	41° 0	60° 0	313	312	68	90	SW	1	SW	4	5	9	before ga. Squally  p.
27	668	594	52° 6	50° 8	47° 9	59° 2	309	319	78	86	E	1	NE	5	10	10	° 200
28	646	570	54° 8	48° 9	48° 0	62° 5	371	321	87	93	N	1	NE	6	10	9	° 540 Squally  p.
29	680	842	54° 8	50° 8	46° 9	62° 3	325	312	76	84	SW	5	SW	1	6	2	Squally  p.  qp.
30	914	883	52° 4	50° 5	48° 0	64° 4	323	328	76	84	S	6	Calm	0	5	0	Squally  a. and p.  qp.
31	29° 717	29° 703	52° 6	50° 1	48° 1	61° 5	321	325	80	90	SW	5	SW	4	10	5	Squally  p.
Means	30° 025	30° 034	50° 9	46° 0	42° 0	57° 3	287	273	76° 5	86° 9	2° 9		2° 1	7° 1	5° 2	3° 290	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## HASTINGS.

Height above Mean Sea Level, 172 feet. Long. 0° 38' E. Lat. 50° 52' N.  
MAY 1879.

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.	43.6	38.6	35.4	47.0	ins.	ins.	66	84	NE 2	NNE 4	9	0	ins.	☉ at night.
2	30.139	30.157	43.6	38.6	35.4	47.0	30.139	30.157	66	84	NE 2	NNE 4	9	0	30.139	Very fine, but cold wind. [taken at 9.30p.
3	30.145	30.163	44.6	39.6	36.4	48.0	30.145	30.163	66	84	NE 2	NNE 4	9	0	30.145	Very fine, but cold wind. Evening obs.
4	30.149	30.167	44.6	39.6	36.4	48.0	30.149	30.167	66	84	NE 2	NNE 4	9	0	30.149	Very fine, but cold wind.
5	30.153	30.171	44.6	39.6	36.4	48.0	30.153	30.171	66	84	NE 2	NNE 4	9	0	30.153	Very fine and hot.
6	30.157	30.175	44.6	39.6	36.4	48.0	30.157	30.175	66	84	NE 2	NNE 4	9	0	30.157	☉ a., gradually cleared p.
7	30.161	30.179	44.6	39.6	36.4	48.0	30.161	30.179	66	84	NE 2	NNE 4	9	0	30.161	Showers of ☉ and soft, white conical
8	30.165	30.183	44.6	39.6	36.4	48.0	30.165	30.183	66	84	NE 2	NNE 4	9	0	30.165	☉ a., gradually cleared p.
9	30.169	30.187	44.6	39.6	36.4	48.0	30.169	30.187	66	84	NE 2	NNE 4	9	0	30.169	☉ a., gradually cleared p.
10	30.173	30.191	44.6	39.6	36.4	48.0	30.173	30.191	66	84	NE 2	NNE 4	9	0	30.173	☉ a., gradually cleared p.
11	30.177	30.195	44.6	39.6	36.4	48.0	30.177	30.195	66	84	NE 2	NNE 4	9	0	30.177	☉ a., gradually cleared p.
12	30.181	30.199	44.6	39.6	36.4	48.0	30.181	30.199	66	84	NE 2	NNE 4	9	0	30.181	☉ a., gradually cleared p.
13	30.185	30.203	44.6	39.6	36.4	48.0	30.185	30.203	66	84	NE 2	NNE 4	9	0	30.185	☉ a., gradually cleared p.
14	30.189	30.207	44.6	39.6	36.4	48.0	30.189	30.207	66	84	NE 2	NNE 4	9	0	30.189	☉ a., gradually cleared p.
15	30.193	30.211	44.6	39.6	36.4	48.0	30.193	30.211	66	84	NE 2	NNE 4	9	0	30.193	☉ a., gradually cleared p.
16	30.197	30.215	44.6	39.6	36.4	48.0	30.197	30.215	66	84	NE 2	NNE 4	9	0	30.197	☉ a., gradually cleared p.
17	30.201	30.219	44.6	39.6	36.4	48.0	30.201	30.219	66	84	NE 2	NNE 4	9	0	30.201	☉ a., gradually cleared p.
18	30.205	30.223	44.6	39.6	36.4	48.0	30.205	30.223	66	84	NE 2	NNE 4	9	0	30.205	☉ a., gradually cleared p.
19	30.209	30.227	44.6	39.6	36.4	48.0	30.209	30.227	66	84	NE 2	NNE 4	9	0	30.209	☉ a., gradually cleared p.
20	30.213	30.231	44.6	39.6	36.4	48.0	30.213	30.231	66	84	NE 2	NNE 4	9	0	30.213	☉ a., gradually cleared p.
21	30.217	30.235	44.6	39.6	36.4	48.0	30.217	30.235	66	84	NE 2	NNE 4	9	0	30.217	☉ a., gradually cleared p.
22	30.221	30.239	44.6	39.6	36.4	48.0	30.221	30.239	66	84	NE 2	NNE 4	9	0	30.221	☉ a., gradually cleared p.
23	30.225	30.243	44.6	39.6	36.4	48.0	30.225	30.243	66	84	NE 2	NNE 4	9	0	30.225	☉ a., gradually cleared p.
24	30.229	30.247	44.6	39.6	36.4	48.0	30.229	30.247	66	84	NE 2	NNE 4	9	0	30.229	☉ a., gradually cleared p.
25	30.233	30.251	44.6	39.6	36.4	48.0	30.233	30.251	66	84	NE 2	NNE 4	9	0	30.233	☉ a., gradually cleared p.
26	30.237	30.255	44.6	39.6	36.4	48.0	30.237	30.255	66	84	NE 2	NNE 4	9	0	30.237	☉ a., gradually cleared p.
27	30.241	30.259	44.6	39.6	36.4	48.0	30.241	30.259	66	84	NE 2	NNE 4	9	0	30.241	☉ a., gradually cleared p.
28	30.245	30.263	44.6	39.6	36.4	48.0	30.245	30.263	66	84	NE 2	NNE 4	9	0	30.245	☉ a., gradually cleared p.
29	30.249	30.267	44.6	39.6	36.4	48.0	30.249	30.267	66	84	NE 2	NNE 4	9	0	30.249	☉ a., gradually cleared p.
30	30.253	30.271	44.6	39.6	36.4	48.0	30.253	30.271	66	84	NE 2	NNE 4	9	0	30.253	☉ a., gradually cleared p.
31	30.257	30.275	44.6	39.6	36.4	48.0	30.257	30.275	66	84	NE 2	NNE 4	9	0	30.257	☉ a., gradually cleared p.
Means	30.177	30.195	44.6	39.6	36.4	48.0	30.177	30.195	66	84	NE 2	NNE 4	9	0	30.177	☉ a., gradually cleared p.

## DARTMOOR.

Height above Mean Sea Level, 1,372 feet. Long. 3° 59' W. Lat. 50° 33' N.  
MAY 1879.

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	30.109	30.125	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	Wind veered SE. to E. 1p. ☉ <sup>2</sup>
2	30.113	30.129	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	Fine. [shower with ☉ <sup>0</sup> .
3	30.117	30.133	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	Fine.
4	30.121	30.137	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	Fine.
5	30.125	30.141	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	Fine.
6	30.129	30.145	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	Fine.
7	30.133	30.149	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ shower n. ☉ a. and p.
8	30.137	30.153	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
9	30.141	30.157	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
10	30.145	30.161	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
11	30.149	30.165	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
12	30.153	30.171	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
13	30.157	30.175	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
14	30.161	30.183	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
15	30.165	30.187	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
16	30.169	30.191	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
17	30.173	30.195	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
18	30.177	30.199	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
19	30.181	30.203	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
20	30.185	30.207	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
21	30.189	30.211	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
22	30.193	30.215	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
23	30.197	30.219	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
24	30.201	30.223	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
25	30.205	30.227	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
26	30.209	30.231	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
27	30.213	30.235	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
28	30.217	30.239	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
29	30.221	30.243	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
30	30.225	30.247	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
31	30.229	30.251	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.
Means	30.177	30.195	42.0	33.0	32.0	43.0	199	181	76	100	SE 3	E 7	7	1	0.70	☉ showers. Squally p. Fine op.

## BABBACOMBE.

Height above Mean Sea Level, 293 feet. Long. 3° 31' W. Lat. 50° 29' N.  
MAY 1879.

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	37° 3	37° 3	49° 4	in.	in.	92	91	NE 2	NNE 2	9	1	ins.	☉ before 9a.
2	30° 094	30° 232	43° 2	37° 3	37° 3	49° 4	257	203	92	91	NE 2	NNE 2	9	1	30° 094	☉ before 9a.
3	345	400	43° 9	44° 0	35° 0	48° 8	203	215	71	74	NE 3	NE 2	1	3	—	☉ 9p. and before.
4	469	430	45° 0	44° 0	36° 9	53° 8	193	210	63	71	NE 2	NW 2	0	0	—	☉ after 4p. ☉ p.
5	508	492	49° 3	46° 2	39° 0	56° 6	240	268	69	87	NE 2	NW 1	0	0	—	☉ in past n.
6	516	380	52° 6	50° 6	41° 4	62° 4	273	247	67	67	NE 2	NW 3	0	0	010	☉ in past n.
7	170	089	49° 0	45° 6	44° 6	58° 2	293	182	85	60	NNW 2	NNE 3	0	0	010	☉ in past n.
8	086	30° 125	42° 5	40° 2	37° 4	45° 6	174	174	65	69	NNE 4	NNE 3	4	10	010	☉ 10.5a.—10.10a. Squally a. and p.
9	30° 127	29° 973	43° 9	43° 2	35° 0	50° 8	165	223	57	80	NE 2	WSW 2	6	10	040	☉ 2p. Squally p. ☉. ☉ 11.13p.—11.50p.
10	29° 798	29° 874	52° 3	44° 6	43° 0	57° 9	286	225	74	76	NNW 3	NNE 4	4	10	080	☉ 2p. Squally p. ☉. ☉ 11.13p.—11.50p.
11	068	30° 127	42° 7	41° 2	38° 0	50° 6	172	206	63	80	ENE 2	SW 1	8	8	050	☉ 2p. Squally p. ☉. ☉ 11.13p.—11.50p.
12	084	091	45° 1	45° 6	38° 3	55° 2	263	277	88	91	SW 3	W 1	10	6	030	☉ 6.40p. ☉ p.
13	165	198	50° 0	47° 9	44° 1	56° 5	307	209	85	91	NE 1	SSW 2	8	3	040	☉ 6.40p. ☉ p.
14	30° 121	019	46° 5	48° 4	41° 5	56° 6	289	319	93	93	SSW 3	SW 2	10	8	080	☉ 6.40p. ☉ p.
15	29° 917	048	44° 9	45° 2	44° 9	54° 8	266	243	90	81	WSW 3	NW 3	7	2	020	☉ 6.40p. ☉ p.
16	30° 183	163	47° 4	45° 9	43° 6	53° 9	243	222	75	73	NW 3	NW 3	7	7	—	☉ 6.40p. ☉ p.
17	30° 211	30° 190	53° 4	48° 1	43° 9	57° 9	273	271	67	81	NNW 3	W 1	4	9	040	☉ 6.40p. ☉ p.
18	29° 994	29° 652	48° 3	48° 3	46° 0	49° 7	316	336	94	99	SSW 3	SSW 2	10	10	290	☉ 6.40p. ☉ p.
19	562	688	49° 8	48° 9	47° 9	54° 8	331	298	93	87	NW 2	NW 3	10	9	010	☉ 6.40p. ☉ p.
20	844	29° 950	55° 3	50° 0	48° 2	58° 6	329	307	76	85	NE 2	NW 2	2	9	—	☉ 6.40p. ☉ p.
21	29° 996	30° 090	54° 8	50° 1	44° 9	56° 7	342	349	80	96	SSW 2	SSW 2	10	10	020	☉ 6.40p. ☉ p.
22	1027	159	55° 4	48° 7	48° 6	62° 8	386	313	89	92	SE 1	SW 2	10	3	010	☉ 6.40p. ☉ p.
23	136	119	57° 0	52° 2	47° 2	63° 0	367	358	79	92	SW 2	WSW 3	5	9	—	☉ 6.40p. ☉ p.
24	303	335	52° 1	49° 2	44° 1	57° 7	253	260	66	74	NNW 4	NW 3	7	9	060	☉ 6.40p. ☉ p.
25	30° 248	062	51° 6	52° 3	47° 1	56° 1	356	378	93	97	SW 2	SSW 2	10	10	020	☉ 6.40p. ☉ p.
26	29° 046	30° 009	53° 8	45° 1	45° 1	58° 8	301	248	72	83	NNW 4	WSW 1	3	1	—	☉ 6.40p. ☉ p.
27	855	29° 609	59° 9	46° 1	49° 9	53° 8	311	296	84	94	SW 3	SW 1	10	9	060	☉ 6.40p. ☉ p.
28	620	477	50° 4	46° 9	43° 9	51° 2	262	366	73	96	NNE 3	NNE 6	9	10	860	☉ after 11p.
29	485	587	46° 9	48° 1	45° 9	49° 8	295	280	84	84	E 6	E 3	10	8	020	☉ after 11p.
30	582	689	49° 1	49° 2	45° 4	55° 7	330	312	95	90	ESE 2	SSE 3	9	8	030	☉ after 11p.
31	776	736	58° 3	49° 5	47° 3	59° 5	367	330	76	94	SSW 3	SE 2	3	10	150	☉ after 11p.
31	29° 075	29° 726	51° 6	49° 6	48° 0	58° 5	364	317	95	90	SE 1	WSW 2	10	3	250	☉ after 11p.
Means	30° 033	30° 027	49° 6	46° 9	43° 1	55° 3	283	273	79° 2	84° 5	2° 6	2° 3	6° 6	6° 6	2° 90	☉ after 11p.



## LONDONDERRY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

MAY 1879.

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.	47.2	46.7	34.3	50.2	in.	in.	68	74	SE 2	SE 1	5	0	ins.	Fine.
2	457	455	47.7	45.7	34.0	55.1	225	245	69	80	WSW 1	Calm 0	0	0	—	Fine, with ☼ or ☼
3	471	507	49.6	44.7	35.0	56.8	226	251	64	85	WSW 2	Calm 0	0	0	—	Fine and clear.
4	554	592	50.7	47.7	36.3	57.8	257	259	70	79	WSW 1	WSW 1	0	0	—	Fine.
5	562	544	54.0	51.5	41.8	59.0	306	339	73	89	WSW 2	W 3	10	10	1.50	Fine during day. ☼ from 8.30p.
6	400	377	45.7	39.7	39.0	52.3	224	182	74	74	NNW 3	N 3	9	4	0.10	☼ ☼ showers. Very cold.
7	340	308	44.0	40.2	38.0	47.5	182	111	63	85	NNE 3	Calm 0	0	0	—	—
8	302	299	47.5	46.1	39.2	52.2	301	300	93	96	W 3	W 1	10	10	1.20	—
9	297	307	47.3	41.5	39.2	47.4	215	195	83	81	NE 3	NW 1	7	4	0.50	☼ ga. ☼ 1p.
10	308	306	46.6	42.9	35.0	52.1	218	258	69	94	W 1	S 3	1	10	2.50	Fine in morning. ☼ from 4p.
11	293	304	49.2	48.9	42.8	56.1	296	284	85	82	WSW 3	W 1	9	10	0.20	—
12	313	311	52.1	49.1	45.8	56.4	302	295	78	84	W 2	ESE 1	9	10	1.50	—
13	318	309	53.8	48.7	42.1	57.0	304	301	73	87	WSW 1	Calm 0	0	0	1.70	—
14	326	302	49.5	44.5	44.0	52.9	244	244	69	83	NNW 3	N 1	6	5	—	Cold.
15	298	297	49.6	43.2	41.0	53.7	230	238	65	85	N 2	Calm 0	5	1	0.10	Fine.
16	315	306	50.7	49.1	40.8	56.0	322	316	87	91	S 2	Calm 0	10	10	5.40	☼ nearly all day.
17	294	297	50.1	48.6	45.9	52.8	331	315	91	93	SE 1	Calm 0	10	10	2.80	☼ all day.
18	741	866	50.7	48.9	46.8	54.2	228	322	62	93	SE 1	W 1	10	10	0.10	—
19	853	791	55.3	51.5	44.8	58.8	302	321	70	84	S 1	S 2	5	10	1.00	—
20	297	304	50.0	46.7	46.7	55.0	319	277	89	87	N 2	NE 1	10	0	—	Fine, with ☼ all day.
21	309	296	52.8	52.7	38.8	61.0	295	292	74	74	SW 2	S 1	3	10	0.70	—
22	322	308	51.7	47.6	45.8	56.2	264	270	69	83	W 2	W 1	7	7	0.50	Fine and cold.
23	294	303	53.7	49.9	41.9	55.8	272	346	67	97	W 2	SW 4	7	10	4.60	—
24	302	299	53.6	47.7	46.8	55.1	304	276	66	84	SW 4	WSW 2	10	8	1.70	—
25	298	292	44.3	44.8	41.8	53.1	261	276	90	93	W 3	W 1	5	10	3.70	—
26	569	660	48.3	46.0	43.8	51.0	279	272	83	88	W 3	W 2	10	6	2.10	☼ showers.
27	749	856	52.7	47.2	43.3	55.1	279	271	71	84	N 1	N 1	6	4	—	Fine.
28	849	831	50.3	46.7	45.0	53.8	264	289	73	91	NE 2	Calm 0	7	2	—	Fine.
29	748	713	51.8	49.5	42.2	52.0	309	314	80	89	E 2	Calm 0	8	6	—	Fine.
30	682	701	50.6	51.7	47.7	53.3	327	365	89	95	SW 1	Calm 0	10	10	1.00	☼ before 9a.
31	297	296	51.6	49.2	48.0	56.5	361	303	95	87	WSW 1	NW 1	10	8	0.10	—
Means	30.047	30.042	49.9	46.8	41.9	54.4	276	278	76.8	86.2	—	—	6.9	6.5	3.280	—

## MARKREE CASTLE.

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

MAY 1879.

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	47.3	39.1	51.3	53.8	21.7	170	67	72	E 3	E 1	3	0	—	—	—	—
2	47.1	42.1	26.0	56.0	21.9	198	68	74	ESE 2	ESE 1	0	0	—	—	—	—
3	49.3	46.9	29.9	55.7	20.6	232	59	73	ESE 2	Calm	0	0	10	—	—	☼ 9p.
4	49.9	43.2	33.1	57.2	21.4	230	60	82	W 1	Calm	0	10	0	—	—	—
5	53.0	50.8	29.3	59.2	26.7	318	67	84	SW 1	NW 2	10	10	1.20	—	—	—
6	47.2	39.0	38.4	51.5	21.2	173	66	74	NNE 3	NNE 4	8	7	0.05	—	—	—
7	44.0	40.3	37.8	49.7	16.9	206	58	83	NNE 3	Calm	0	10	10	0.05	—	—
8	46.5	46.5	38.3	52.9	28.1	283	90	91	NW 3	NNW 3	10	9	0.36	—	—	—
9	45.4	40.3	40.3	50.0	21.7	165	72	65	NNW 2	N 1	10	10	0.11	—	—	—
10	46.3	45.1	34.5	51.4	18.1	284	57	94	NW 1	WSW 1	9	10	0.02	—	—	—
11	51.3	47.3	45.1	54.5	27.8	261	73	81	NNW 3	NW 2	10	5	—	—	—	—
12	52.3	47.1	42.0	56.7	26.3	274	67	85	SW 2	Calm	0	10	10	0.68	—	—
13	54.9	45.3	41.7	56.6	27.7	291	64	96	SW 2	Calm	0	7	10	2.52	—	☼ during day.
14	48.9	44.3	37.3	53.4	22.3	237	65	81	N 4	N 2	5	8	0.10	—	—	—
15	49.1	41.3	37.2	54.1	23.6	241	68	93	NNW 3	Calm	0	2	1	—	—	☼ 9p. Evening obs. taken at 9.30p.
16	53.6	48.7	37.0	57.6	34.2	326	83	95	SW 2	Calm	0	9	10	0.494	—	—
17	51.1	47.2	45.8	52.8	31.7	303	84	94	NW 2	NNW 2	10	8	0.12	—	—	—
18	49.0	45.9	45.7	53.6	28.0	243	80	79	NW 3	NW 3	9	2	—	—	—	☼ 9p.
19	50.8	49.2	53.2	54.5	28.3	332	76	96	S 2	SW 3	10	10	1.77	—	—	Wind veered during past night.
20	52.1	45.1	44.7	55.9	30.2	248	77	83	NW 3	N 1	10	0	0.09	—	—	Very clear p. ☼ 9p.
21	54.1	50.0	32.3	61.2	27.0	261	65	73	SSE 1	SSE 2	2	10	1.50	—	—	—
22	51.1	45.0	44.9	54.1	22.2	247	60	83	NW 3	NW 3	3	4	—	—	—	—
23	51.6	50.8	40.1	57.5	25.4	359	67	96	NW 2	SW 2	10	10	0.70	—	—	—
24	54.7	47.3	47.2	56.4	38.7	273	91	85	SW 1	Calm	0	10	9	0.320	—	—
25	50.4	47.0	39.5	54.4	24.7	296	68	92	W 4	Calm	0	8	10	1.29	—	☼ during day.
26	48.6	45.1	42.6	52.4	24.4	240	71	80	NW 3	NW 2	7	6	—	—	—	—
27	49.1	45.2	42.3	54.7	26.0	247	74	83	N 3	N 2	6	4	—	—	—	—
28	50.3	47.7	44.3	56.3	26.6	252	73	77	NNE 3	NE 2	10	6	—	—	—	—
29	51.2	50.1	35.3	59.2	28.8	321	77	89	ENE 2	ENE 1	10	10	—	—	—	—
30	50.1	51.1	48.2	53.4	31.3	332	86	88	ENE 2	Calm	0	10	10	0.02	—	—
31	53.3	48.1	46.3	53.3	31.1	275	76	82	NW 1	NW 1	10	10	—	—	—	—
Means	50.1	45.9	39.1	54.8	26.0	262	71.3	84.0	—	—	2.3	1.3	7.7	7.1	2.523	—

## DUBLIN.

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

MAY 1879.

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.	43.3	42.7	41.0	47.3	ins.	ins.	%	%	ENE 4	NE 2	8	1	ins.	[Cold
2	463	486	46.3	41.3	33.9	51.4	208	197	66	76	E 1	E 2	2	0	—	Very brilliant p. ∞ in evening and early a. ☼ 8a. Brilliant p. Humidity 59 at 3p. ☼ a. Brilliant day. Humidity 50 at 1p. ☼ a. and p.
3	508	500	47.2	47.8	32.9	54.6	181	238	56	72	Calm 0	W 1	0	3	—	☼ a. Squally p. ☼ 11p.
4	573	581	50.1	48.6	37.4	56.4	233	256	64	74	Calm 0	Calm 0	0	0	—	Cold searching air a. ☼ 11p. a.
5	601	424	51.1	53.3	39.4	60.7	256	208	69	73	NW 1	NNW 4	1	6	0.36	☼ a. Milder p. and evening.
6	344	283	47.4	42.2	41.9	53.5	183	183	56	69	N 4	N 4	5	5	0.27	☼ a. Min. on grass 26° 8.
7	298	302	42.1	42.2	37.0	45.8	163	185	61	70	N by E 4	NNE 3	9	7	—	☼ a. Min. on grass 26° 8.
8	312	299	44.7	49.2	33.0	51.5	223	294	75	84	W by N 3	W by N 3	10	10	0.19	☼ a. Min. on grass 26° 8.
9	297	307	47.0	42.1	41.9	49.9	199	167	62	63	N 4	NNE 2	8	6	—	☼ a. Min. on grass 26° 8.
10	303	299	43.2	45.2	31.8	52.6	167	251	59	84	N 3	SW 2	4	10	0.58	☼ a. Min. on grass 26° 8.
11	299	306	43.9	45.2	31.8	52.6	167	251	59	84	N 3	SW 2	4	10	0.10	☼ a. Min. on grass 26° 8.
12	305	304	43.8	45.2	31.8	52.6	167	251	59	84	N 3	SW 2	4	10	0	☼ a. Min. on grass 26° 8.
13	303	303	43.8	45.2	31.8	52.6	167	251	59	84	N 3	SW 2	4	10	0	☼ a. Min. on grass 26° 8.
14	307	309	47.2	46.7	44.2	53.7	261	219	78	70	N by W 4	N 3	10	2	0.99	☼ a. Min. on grass 26° 8.
15	272	299	47.0	48.1	38.6	58.3	197	203	61	62	NNW 4	NNW 2	3	1	—	☼ a. Min. on grass 26° 8.
16	240	306	54.4	53.0	38.0	60.2	289	347	68	86	SSW 1	SW 1	7	10	2.38	☼ a. Min. on grass 26° 8.
17	772	793	50.3	48.6	48.2	53.3	311	325	85	95	SSE 3	E 2	2	10	2.33	☼ a. Min. on grass 26° 8.
18	800	852	48.9	47.9	46.4	52.0	309	294	90	89	NNE 3	N 2	2	10	0.11	☼ a. Min. on grass 26° 8.
19	866	804	52.2	51.8	46.8	56.4	308	312	79	80	Calm 0	W 1	9	8	0.30	☼ a. Min. on grass 26° 8.
20	897	901	54.6	49.5	40.2	58.4	383	302	90	86	WSW 2	N 1	10	8	0.15	☼ a. Min. on grass 26° 8.
21	128	028	54.3	53.8	44.6	58.6	276	340	66	82	ESE 2	SE 1	1	7	0.65	☼ a. Min. on grass 26° 8.
22	021	215	53.3	47.2	47.2	56.7	346	245	85	76	WSW 2	NW 2	2	10	1	☼ a. Min. on grass 26° 8.
23	344	307	51.3	49.8	40.3	58.2	252	317	67	88	NW 3	W 1	6	10	0.93	☼ a. Min. on grass 26° 8.
24	313	298	56.5	52.0	49.1	61.6	392	335	86	86	WSW 4	WSW 2	2	10	0.33	☼ a. Min. on grass 26° 8.
25	955	849	52.1	49.2	43.2	56.8	292	274	64	78	NNW 4	NNW 3	5	3	3.08	☼ a. Min. on grass 26° 8.
26	641	688	48.1	46.1	43.6	54.2	266	264	79	85	NNW 5	NW 2	6	3	2.67	☼ a. Min. on grass 26° 8.
27	733	767	50.3	48.1	39.9	55.4	262	252	72	75	NNW 3	NE 2	7	0	0.10	☼ a. Min. on grass 26° 8.
28	759	739	47.3	50.1	44.1	50.8	270	279	83	77	N by E 4	NE 3	2	10	8	☼ a. Min. on grass 26° 8.
29	659	687	54.0	48.7	46.2	54.5	288	326	69	95	NE 5	E 2	6	10	1.49	☼ a. Min. on grass 26° 8.
30	719	720	53.0	50.0	46.9	55.5	325	317	81	88	ESE 1	SW 1	9	4	0.53	☼ a. Min. on grass 26° 8.
31	29681	29612	54.7	54.4	44.1	63.0	336	359	76	85	W 3	W 3	4	10	0.13	☼ a. Min. on grass 26° 8.
Means	30.061	30.053	50.2	48.5	42.1	55.4	264	271	71.6	78.7	2.7	2.0	6.3	5.7	2.048	☼ a. Min. on grass 26° 8.



## LAUDALE.

Height above Mean Sea Level, 14 feet. Long. 5° 41' W. Lat. 56° 41' N.  
JUNE 1879.

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°	47°	39°	56°	in.	in.	80	79	NW 5	NW 2	2	10	ins.	
2	525	516	48°	45°	42°	55°	285	269	86	90	W 3	SE 2	5	1	—	
3	564	574	51°	46°	38°	56°	215	244	57	79	W 2	N 2	7	9	—	
4	580	575	51°	48°	45°	55°	248	285	64	86	N 4	N 1	2	10	—	9p.
5	577	586	47°	45°	44°	52°	279	253	84	85	Calm	Calm	10	1	150	9a.
6	567	562	55°	52°	38°	62°	280	335	65	86	Calm	Calm	2	10	—	
7	550	571	54°	52°	48°	60°	297	335	71	86	ESE 1	ESE 6	10	10	200	9a.
8	592	604	52°	57°	47°	62°	315	372	81	80	ESE 3	ESE 2	10	9	—	
9	601	597	50°	57°	52°	65°	369	377	71	81	E 2	E 1	8	8	080	
10	592	590	51°	54°	52°	65°	363	388	68	93	SE 2	Calm	5	10	—	T
11	594	593	51°	55°	47°	66°	354	401	64	92	Calm	Calm	9	10	190	
12	596	597	51°	54°	51°	65°	358	385	67	92	E 1	Calm	6	10	—	
13	594	595	50°	53°	47°	67°	401	377	77	93	Calm	Calm	6	4	—	
14	592	597	50°	57°	47°	67°	375	377	68	81	SW 1	Calm	3	10	—	
15	597	597	50°	57°	52°	61°	378	411	84	88	Calm	Calm	10	4	—	9a.
16	598	597	50°	57°	51°	65°	378	405	88	87	Calm	Calm	10	10	020	
17	594	596	50°	56°	52°	62°	388	365	86	81	Calm	S 2	10	10	—	
18	580	570	55°	53°	49°	61°	329	361	76	90	W 2	NNW 1	7	10	—	
19	572	545	58°	58°	53°	65°	383	457	77	94	SSE 7	SSE 5	9	10	870	
20	558	563	58°	54°	54°	64°	393	396	81	94	SSE 1	Calm	8	10	070	
21	568	568	58°	54°	51°	59°	388	403	80	97	SSE 1	Calm	9	10	180	
22	563	561	56°	51°	51°	57°	365	320	81	85	NW 5	NW 1	10	10	040	9a.
23	561	579	54°	54°	49°	61°	339	345	81	82	SW 2	SW 2	10	8	080	9a.
24	560	576	54°	54°	51°	60°	386	337	90	80	SSE 1	SSE 1	10	10	270	9a. and 9p.
25	562	562	54°	59°	48°	60°	382	486	90	96	Calm	Calm	10	3	580	
26	566	563	55°	52°	46°	61°	397	358	90	92	Calm	Calm	5	10	680	9p.
27	544	537	56°	56°	45°	60°	419	365	93	81	SSE 9	SSE 4	10	10	540	9a.
28	538	534	54°	53°	52°	61°	386	361	90	87	SSE 5	WSW 1	10	8	250	9a. and 9p.
29	547	560	52°	52°	51°	61°	346	345	87	88	SW 3	SW 1	7	6	100	9a.
30	547	547	50°	54°	49°	61°	355	360	79	86	SW 2	SW 2	9	10	200	9a. and 9p.
Means	569	569	55°	53°	48°	61°	348	358	78°	87°	2°	1°	7°	8°	4°	500

## GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 3° 40' W. Lat. 56° 27' N.  
JUNE 1879.

1	29°53'	29°49'	46°0'	43°9'	36°4'	52°4'	*229	74	79	NW	3	NW	1	7	10	'036		
2	'501	'630	47°0'	43°7'	36°5'	54°6'	*227	'245	71	85	NNW	2	E	1	8	'083	☉ 9p.	
3	'624	'659	49°2'	46°0'	36°4'	56°4'	*231	'244	66	79	NE	2	WNW	2	9	'133	☿ 3p.	
4	'741	'833	49°1'	46°9'	43°8'	59°5'	*223	'294	64	93	NW	4	Calm	0	9	'090		
5	'862	'846	48°0'	47°2'	42°8'	55°1'	*256	'303	74	94	S	1	E	2	10	—	Fine day.	
6	'824	'854	46°1'	45°4'	43°1'	47°6'	*277	'290	80	96	E	2	E	1	10	'010		
7	'821	'777	48°2'	44°8'	43°1'	51°0'	*305	'200	91	98	E	2	ENE	2	10	'840		
8	'548	'622	47°0'	48°6'	43°1'	48°8'	*323	'332	100	97	E	4	NE	3	10	'317	Dry till most of the day.	
9	'713	'29°53'	47°4'	50°5'	45°7'	53°1'	*327	'365	100	100	NE	2	E	1-2	10	'078	☿ till 11a. Warm and sunny p.	
10	29°063	30°012	51°0'	53°0'	48°1'	64°7'	*369	'389	99	97	E	0-1	Calm	0	10	'028	☿ early a. Magnificent day. ☿ <sup>2</sup> 4p.-5p. The ☿ raged with great fury to the E., where ☉ fell in torrents (we had under '03 in.), but the sound of the T and the brilliancy of the ☿ was extraordinary. Saw a fine waterspout near SE. horizon.	
11	30°053	'031	56°6'	53°5'	50°1'	64°7'	*389	'357	84	87	E	2	E	1	5	10	—	Lovely day.
12	'016	'076	53°0'	47°0'	47°0'	57°3'	*350	'323	87	100	E	1	E	1	10	10	—	Very fine day.
13	'140	30°138	49°6'	50°8'	45°8'	58°5'	*330	'351	93	94	Calm	0	E	0-1	10	8	—	Very fine day. ☿ 9p.
14	30°081	29°054	51°0'	56°1'	44°1'	65°7'	*348	'412	93	91	SE	0-1	Calm	0	10	'210	Superb summer day.	
15	29°820	'729	55°5'	58°0'	51°7'	63°2'	*392	'381	89	77	SE	1	S	1	10	6	'010	☿ n. Day warm and fine.
16	'721	'622	50°1'	51°1'	49°3'	58°9'	*362	'363	100	96	SE	0-1	E	1	10	10	'050	☉ n. ☿ <sup>2</sup> early a. ☿ later.
17	'480	'555	55°0'	54°2'	49°8'	56°8'	*342	'412	79	98	NNE	2	Calm	0	10	7	'135	☉ 9p.
18	'699	'795	56°5'	50°2'	48°7'	64°7'	*358	'335	78	90	WNW	1	E	1	6	2	—	Beautiful day. ☿ 9p.
19	'801	'652	55°6'	55°4'	43°1'	64°9'	*364	'385	82	88	SE	1	SSE	1	8	10	'457	Beautiful day.
20	'566	'665	56°3'	56°0'	50°4'	63°2'	*404	'360	89	80	SW	2	SW	2	7	3	'085	☉ n. Day very bright and sunny.
21	'627	'429	52°5'	50°7'	50°0'	56°0'	*393	'365	100	99	SE	3	NE	3	10	10	'247	☿ 7p.-9p.
22	'495	'727	57°2'	48°7'	48°5'	58°6'	*320	'255	68	74	NW	4	W	4	10	3	—	Dull till 4p. Then bright sun till 8p. Red [sunset.
23	'720	'636	50°9'	50°1'	41°8'	56°8'	*334	'360	90	99	SW	2	S	0-1	10	10	'245	☉ 9p.
24	'545	'545	52°1'	49°0'	47°2'	56°7'	*374	'340	96	98	E	2	E	0-1	10	10	'742	Gloomy till 3p., then ☉
25	'490	'532	52°3'	51°3'	47°2'	57°2'	*341	'370	87	98	E	0-1	Calm	0	9	8	'063	
26	'539	'442	53°7'	50°0'	42°1'	60°1'	*314	'361	76	100	SW	3	Calm	0	7	10	'238	Bright till 1p., then ☉
27	'530	'438	51°2'	56°0'	49°1'	59°1'	*368	'363	98	80	SE	1	SW	5	10	10	'740	
28	'456	'684	52°8'	53°8'	49°3'	61°6'	*372	'359	93	87	SW	4	W	1-2	10	8	'187	☿ from SW.
29	'692	'716	54°3'	51°3'	48°1'	61°2'	*331	'324	79	85	SW	3	WSW	2	8	5	'108	Brilliant sunset.
30	29°791	29°810	50°5'	51°8'	47°4'	59°9'	*339	'346	93	89	WSW	3	Calm	0	5	8	'208	☉ 2 shower (very heavy) 8.50 a.m.—8.53 a.m.
Means	29°712	29°719	51°6'	50°5'	45°6'	58°5'	*330	'336	86°1'	90°9'	2°0'	1°3'	8°9'	8°2'	5°340'			

## JUNE.

## DURHAM.

Height above Mean Sea Level, 335 feet. Long. 1° 35' W. Lat. 54° 46' N.  
JUNE 1879.

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.m.	10 p.m.	Min.	Max.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	
1	ins.	ins.	47°	40°	38°	63°	in.	in.	79	94	ESE 0°	SSW 0°	10	4	ins.	
2	525	527	54°	43°	38°	58°	254	232	79	94	WSW 2°	W 0°	4	1	010	
3	588	569	46°	44°	40°	53°	255	259	80	88	NE 0°	W 0°	10	8	019	K p.
4	570	577	51°	42°	41°	57°	308	231	80	87	WNW 0°	Calm	10	0	—	
5	561	569	55°	47°	39°	60°	270	268	61	82	Calm	E 0°	9	10	—	
6	577	578	50°	47°	44°	58°	310	317	68	97	ENE 0°	E 0°	10	10	—	
7	585	586	49°	46°	46°	53°	331	317	93	100	E 0°	ENE 0°	10	10	—	929
8	501	586	60°	53°	46°	69°	413	383	78	95	S 2°	S 0°	9	0	030	K p.
9	578	586	61°	51°	50°	69°	399	360	75	95	SE 2°	SSW 0°	9	10	006	K p.
10	593	594	63°	52°	50°	69°	407	378	69	96	SSW 0°	W 0°	9	7	—	K p.
11	592	597	65°	50°	47°	67°	411	358	65	99	E 0°	E 0°	6	10	180	rop.
12	595	596	52°	49°	48°	55°	375	350	94	99	ENE 0°	ENE 0°	10	10	018	
13	594	595	51°	48°	45°	55°	345	330	91	97	E 0°	SE 0°	10	10	—	
14	598	594	60°	55°	48°	66°	419	422	81	97	SSE 0°	SSW 0°	1	5	039	
15	597	599	60°	50°	50°	71°	442	347	84	93	S 0°	WSW 0°	10	0	—	
16	522	534	58°	50°	47°	60°	417	360	86	99	NE 2°	N 1°	8	10	460	
17	520	570	60°	51°	49°	62°	420	345	81	92	NW 0°	N 0°	10	10	—	
18	528	537	50°	50°	50°	59°	387	306	94	82	NW 0°	SW 0°	10	0	—	rop.



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## WAKEFIELD.

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

JUNE 1879.

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.	45°	44°	43°	50°	ins.	ins.	65	92	NE 2	W 2	10	2	ins.	
2	29°494	29°548	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
3	29°500	29°554	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
4	29°506	29°560	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
5	29°512	29°566	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
6	29°518	29°572	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
7	29°524	29°578	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
8	29°530	29°584	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
9	29°536	29°590	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
10	29°542	29°596	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
11	29°548	29°602	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
12	29°554	29°608	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
13	29°560	29°614	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
14	29°566	29°620	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
15	29°572	29°626	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
16	29°578	29°632	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
17	29°584	29°638	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
18	29°590	29°644	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
19	29°596	29°650	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
20	29°602	29°656	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
21	29°608	29°662	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
22	29°614	29°668	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
23	29°620	29°674	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
24	29°626	29°680	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
25	29°632	29°686	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
26	29°638	29°692	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
27	29°644	29°698	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
28	29°650	29°704	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
29	29°656	29°710	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
30	29°662	29°716	45°	44°	43°	50°	29°	29°	65	92	NE 2	W 2	10	2	ins.	
Means	29°748	29°744	55°9	54°7	48°9	62°6	36°2	36°8	80°7	85°5	2°4	2°2	7°9	6°1	3°790	

## KELSTERN.

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

JUNE 1879.

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°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
2	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
3	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
4	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
5	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
6	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
7	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
8	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
9	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
10	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
11	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
12	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
13	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
14	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
15	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
16	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
17	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
18	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
19	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
20	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
21	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
22	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
23	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
24	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
25	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
26	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
27	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
28	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
29	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
30	29°594	29°577	48°6	40°4	40°0	52°3	29°	29°	96	99	SW 2	NW 1	10	3	ins.	before ga.
Means	29°773	29°782	55°2	52°0	46°6	61°7	35°6	34°2	81°9	88°1	2°4	1°6	7°6	5°7	4°013	

## JUNE.

## LLANDUDNO.

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

JUNE 1879.

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.	49°	47°	46°	54°	ins.	ins.	79	80	NW	1	N	1	10	10	ins.	Very fine.
2	29°539	29°616	49°	47°	46°	54°	29°	29°	79	80	W	1	N	1	8	6	—	Very fine.
3	644	564	50°	48°	45°	57°	276	274	76	83	E	1	NW	3	8	9	—	Very fine.
4	661	783	53°	48°	46°	56°	352	275	86	80	E	1	NW	3	8	9	—	Very fine.
5	860	991	51°	48°	47°	55°	289	275	75	79	NW	2	N	1	8	0	—	Very fine.
6	886	759	55°	51°	41°	56°	299	298	70	78	E	2	N	1	0	8	—	Very fine.
7	717	725	53°	54°	53°	56°	340	389	84	92	E	2	E	1	10	10	—	Dull with ☁ (mist). ☀ <sup>0</sup> p.
8	688	544	55°	54°	55°	58°	412	412	93	99	SE	1	E	1	10	10	010	☀ <sup>0</sup> 9a.
9	481	519	59°	55°	52°	62°	419	493	84	93	S	0°6	S	0°6	10	10	530	☀ <sup>2</sup> p.
10	592	29°808	58°	55°	53°	61°	401	382	83	88	S	0°6	S	0°6	9	3	100	Fine and warm p.
11	983	30°065	58°	53°	51°	63°	356	340	74	84	W	0°6	N	1	8	10	020	Very fine till 4p.
12	957	29°913	55°	54°	49°	58°	329	397	75	95	S	1	E	0°6	10	10	210	T p.
13	29°913	29°973	57°	53°	49°	60°	384	374	82	91	E	1	N	0°6	10	10	140	☀ <sup>0</sup> 4p., otherwise very fine.
14	30°109	30°144	56°	55°	51°	64°	401	381	89	88	NW	1	NW	1	9	3	010	☀ <sup>0</sup> early a. Very fine a. Dull p.
15	30°028	29°927	62°	60°	47°	60°	434	453	78	88	W	0°6	NW	1	3	10	—	Dull with ∞ a. Fine p.
16	29°848	757	57°	54°	54°	62°	400	393	84	93	W	0°6	N	0°6	10	1	555	☀ <sup>0</sup> a. Fine p.
17	567	449	58°	54°	53°	61°	436	412	89	99	E	1	E	2	10	10	567	Dull with ∞ till 6p.
18	453	622	60°	53°	50°	61°	415	385	80	96	W	1	NW	1	9	10	—	Very fine.
19	866	863	56°	54°	49°	62°	349	348	76	82	NW	0°6	NW	1	0	0	—	
20	777	626	60°	59°	52°	67°	339	437	64	86	SW	2	SW	0°6	9	10	—	
21	679	767	62°	56°	54°	65°	397	362	72	80	W	2	W	3	3	10	090	Very fine. Windy.
22	532	430	56°	56°	58°	64°	409	404	89	88	S	1	W	3	10	10	180	
23	739	853	52°	53°	51°	59°	356	344	90	84	W	3	W	3	10	10	—	Fine. Cold wind.
24	768	595	55°	54°	50°	60°	358	366	70	87	SW	3	SW	1	10	10	160	
25	500	528	57°	52°	50°	60°	357	395	76	76	W	3	W	3	6	9	023	
26	524	632	55°	53°	50°	59°	360	371	83	92	W	2	W	1	9	2	060	Fine, with cold wind.
27	584	591	52°	55°	52°	59°	369	352	92	82	SW	0°6	W	3	10	7	069	Cold and windy.
28	660	599	61°	55°	50°	64°	470	375	88	87	SW	5	W	3	10	10	060	Squally a. and p.
29	577	775	57°	56°	52°	63°	388	364	81	81	S	1	W	3	10	0	—	Fair, but windy. Squalls p.
30	841	847	57°	55°	52°	63°	384	346	80	80	S	1	W	3	10	5	—	☀ <sup>0</sup> early a. Threatening a. After-
Means	29°933	29°822	59°	56°	53°	63°	394	373	78	83	W	3	W	1	1	10	186	wards fine.
Means	29°722	29°736	56°	53°	50°	61°	371	362	80°	80°	1°	1°	8°	7°	3	256		



## HILLINGTON, NORFOLK.

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

JUNE 1879.

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.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
2	29.543	29.564	50.6	45.7	45.7	50.6	321	307	87	100	SW	3	SE	0.5	10	ins. 215
3	29.561	29.597	54.8	50.0	45.4	61.6	293	261	69	100	SW	3	SE	0.5	5	ins. 215
4	29.503	29.535	50.2	44.7	44.7	54.1	331	276	92	93	NE	5	E	0.5	10	ins. 215
5	29.506	29.505	55.6	44.9	39.9	60.7	313	296	71	99	NW	5	W	0.5	8	ins. 215
6	29.532	29.563	50.3	35.3	35.3	69.7	362	323	62	89	SE	1	SE	1	3	ins. 215
7	29.576	29.609	50.6	51.5	50.0	57.1	369	378	100	100	SE	2	SE	1	10	ins. 215
8	29.599	29.624	55.7	52.2	52.2	68.3	419	412	75	93	SE	0.5	SE	2	10	ins. 215
9	29.749	29.892	61.3	52.7	51.6	66.0	418	365	78	92	SW	3	SSW	0.5	9	ins. 215
10	30.020	30.062	61.2	54.6	48.9	68.5	397	379	74	89	SW	1	SSE	0.5	4	ins. 215
11	30.051	30.077	66.1	52.1	45.0	66.4	375	389	59	100	SE	4	ESR	0.5	6	ins. 215
12	30.073	30.096	62.4	54.8	48.9	65.7	444	391	79	91	SW	2	SSE	1	6	ins. 215
13	30.088	30.174	59.6	51.4	43.4	62.5	419	358	82	94	NW	0.5	NE	1	4	ins. 215
14	30.142	30.047	54.6	57.2	50.6	68.3	377	425	88	91	SW	0.5	SE	1	10	ins. 215
15	29.901	29.756	60.2	58.5	55.9	64.7	397	405	97	96	SW	1	NW	2	10	ins. 215
16	29.615	29.607	63.5	59.1	51.5	64.5	408	424	85	85	E	4	SW	2	10	ins. 215
17	29.509	29.573	60.0	56.1	48.0	68.6	404	434	78	96	S	3	SW	0.5	8	ins. 215
18	29.690	29.873	54.7	49.1	49.1	59.4	401	349	94	100	E	1	E	1	10	ins. 215
19	29.744	29.822	65.0	59.0	40.0	69.4	413	416	67	84	SE	1	SW	2	2	ins. 215
20	29.714	29.840	59.5	57.9	50.5	69.1	489	410	96	86	SW	2	SW	0.5	10	ins. 215
21	29.792	29.884	55.2	56.7	50.2	61.2	415	377	96	82	SSE	2	SW	6	10	ins. 215
22	29.666	29.901	55.8	51.5	51.5	61.7	396	336	89	89	SW	5	SW	0.5	10	ins. 215
23	29.882	29.748	55.8	53.6	44.3	61.8	356	338	80	81	W	2	SW	1	8	ins. 215
24	29.512	29.602	54.1	50.8	48.9	63.2	396	319	94	86	SW	1	SW	0.5	10	ins. 215
25	29.570	29.640	57.8	50.1	43.2	64.6	369	355	77	98	S	2	W	0.5	8	ins. 215
26	29.746	29.688	56.8	56.8	47.9	60.7	364	431	78	93	SW	4	SW	3	10	ins. 215
27	29.808	29.798	59.7	60.3	49.4	66.9	433	467	85	90	SW	4	SW	3	10	ins. 215
28	29.761	29.858	58.7	55.6	55.3	70.0	462	396	94	89	SW	2	SW	3	10	ins. 215
29	29.904	29.940	62.4	51.3	40.8	67.4	401	370	72	95	SW	5	SW	0.5	7	ins. 215
30	29.921	29.971	60.3	54.8	47.3	65.2	386	382	75	89	WSW	3	SW	0.5	7	ins. 215
Means	29.785	29.793	58.3	53.3	47.8	64.3	399	378	82.3	92.4	2.6	1.3	8.0	7.7	4.345	

Observer remarks: A sunless, wet month, with the greatest rainfall of any June for many years, being 2.40 ins. in excess of the average of the 13 years 1866-78.

## UPPINGHAM.

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

JUNE 1879.

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	29.537	29.579	49.5	45.0	45.0	54.1	314	257	89	86	SW	4	W	1	4	ins. 231
2	29.564	29.576	53.1	49.6	38.3	60.7	294	256	72	100	WSW	2	Calm	0	2	ins. 231
3	29.485	29.745	46.7	44.7	44.7	57.3	293	286	92	96	N by E	3	Why S	2	10	ins. 231
4	29.817	29.913	51.5	47.3	38.7	59.6	319	285	84	88	Why N	3	Why N	1	9	ins. 231
5	29.889	29.771	59.9	54.6	40.7	70.1	384	349	74	82	S by E	3	E by S	1	4	ins. 231
6	29.704	29.752	50.8	54.0	48.3	55.0	371	415	100	99	E by N	1	E by S	0.1	10	ins. 231
7	29.742	29.574	55.1	54.7	50.7	58.7	408	420	93	100	SSE	2	SE	1	10	ins. 231
8	29.558	29.593	60.2	55.0	50.9	63.6	393	409	75	94	swby S	4	S	2	8	ins. 231
9	29.702	29.878	56.6	53.5	51.7	62.6	397	384	86	93	SSW	2	SSW	2	9	ins. 231
10	30.009	30.054	55.0	52.5	40.7	65.9	395	349	91	89	SW	2	Calm	0	8	ins. 231
11	30.017	30.060	59.9	54.0	46.2	60.5	396	418	77	100	SE by S	2	SSE	1	10	ins. 231
12	29.951	29.956	57.5	50.0	47.0	62.6	397	334	83	93	swby S	2	SW by S	2	10	ins. 231
13	30.098	30.169	56.5	53.2	44.9	64.9	399	397	85	98	N	1	E by S	1	5	ins. 231
14	30.139	30.019	53.5	59.9	49.2	68.7	393	461	95	90	SE by S	3	S by W	2	10	ins. 231
15	29.892	29.773	57.6	55.5	55.5	62.3	466	435	98	99	S	1	SE by E	1	10	ins. 231
16	29.599	29.475	58.3	54.0	49.8	59.7	455	382	93	92	E by N	2	W by S	3	10	ins. 231
17	29.403	29.534	56.9	55.6	46.6	65.7	381	420	83	95	SW	3	SW	1	8	ins. 231
18	29.724	29.883	55.5	52.8	52.8	64.9	395	346	89	87	nwb. W	3	WNW	1	10	ins. 231
19	29.873	29.790	61.7	56.8	47.0	65.0	411	411	75	89	SW	2	S by W	5	5	ins. 231
20	29.716	29.842	60.7	55.0	54.8	66.7	441	352	81	81	W	3	W by S	1	9	ins. 231
21	29.736	29.538	53.3	54.8	49.7	60.9	397	396	99	92	S by E	3	SW	5	10	ins. 231
22	29.691	29.912	52.6	50.1	50.1	60.7	356	306	90	84	W	5	W	1	10	ins. 231
23	29.863	29.730	56.3	51.2	47.0	60.3	351	338	77	90	SW	4	SW	3	9	ins. 231
24	29.544	29.698	58.4	49.0	48.7	61.9	385	372	79	90	Why S	3	W	1	7	ins. 231
25	29.500	29.661	57.2	51.7	46.4	64.6	365	352	78	92	W	1	WNW	2	8	ins. 231
26	29.721	29.681	53.8	53.2	47.0	59.7	361	343	87	84	SSW	5	SW	5	10	ins. 231
27	29.766	29.754	57.9	60.6	47.6	64.4	438	464	92	88	SW	7	S by W	10	8	ins. 231
28	29.734	29.854	58.0	54.7	54.7	67.6	399	352	82	82	SSW	6	SSW	5	7	ins. 231
29	29.942	29.928	59.0	51.2	48.6	63.2	404	343	81	91	swby W	5	SW	2	9	ins. 231
30	30.010	29.958	58.7	54.7	47.7	64.3	383	391	77	92	swby W	4	S by W	2	9	ins. 231
Means	29.772	29.782	56.1	55.0	47.7	62.5	384	369	85.3	91.4	3.1	2.2	8.5	6.4	4.392	

Very bright 7a. 2 showers 11a. 2p. Low thin str. in a queer, long bow from NW. to SE.

JUNE.

## OSCOTT.

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

JUNE 1879.

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.	48.9	45.0	44.9	55.1	336	231	95	77	SW	5	NNW	1	10	ins. 100
2	29.522	29.601	48.9	45.0	44.9	55.1	336	231	95	77	SW	5	NNW	1	10	ins. 100
3	29.533	29.556	54.0	49.4	39.1	62.1	269	241	90	76	SW	3	E	2	7	ins. 100
4	29.539	29.515	52.4	48.2	39.2	59.7	288	263	73	79	WSW	4	N	1	9	ins. 100
5	29.579	29.571	56.0	57.8	41.1	67.1	302	352	67	74	E	2	E	2	4	ins. 100
6	29.687	29.740	50.8	53.2	49.2	58.3	354	406	95	100	NE	3	NE	2	10	ins. 100
7	29.721	29.538	53.8	55.0	51.2	57.2	400	433	96	100	SE	1-2	SE	1-2	10	ins. 100
8	29.527	29.666	57.7	55.1	52.2	63.1	400	402	84	92	S	5	SSE	2	8	ins. 100
9	29.672	29.855	55.3	54.5	52.1	65.1	396	405	90	96	S	3-4	SSW	2	10	ins. 100
10	29.696	29.642	56.9	55.6	49.4	62.1	355	337	77	76	SSW	2	SSE	2	9	ins. 100
11	29.985	29.933	51.6	53.9	46.6	58.8	343	392	90	95	ENE	3	SSE	1	9	ins. 100
12	29.932	29.943	58.1	50.5	46.7	61.0	369	332	77	91	S	3	SW	1-2	8	ins. 100
13	30.108	30.154	55.9	52.9	47.8	64.1	360	378	83	95	S	3	SW	1-2	8	ins. 100
14	30.112	29.988	52.8	58.7	49.8	66.3	377	444	94	91	SSE	2	S	3	10	ins. 100
15	29.860	29.766	56.8	56.6	54.7	62.3	411	446	89	93	S	0-1	Calm	0	10	ins. 100
16	29.564	29.476	57.2	54.0	49.8	60.7	459	366	98	87	ENE	3	SW	2	10	ins. 100
17	29.485	29.581	57.0	54.0	46.8	67.2	367	335	79	92	S	3-4	NW	2	9	ins. 100
18	29.770	29.891	54.0	53.6	49.3	63.9	312	389	75	82	WNW	4-5	Calm	0	8	ins. 100
19	29.857	29.753	59.1	57.0	47.1	65.1	393	422	79	91	SSW	4-5	S	4	10	ins. 100
20	29.713	29.842	60.4	55.0	54.3	67.9	393	332	75	77	SW	4	SW	2	9	ins. 100
21	29.673	29.511	52.9	54.0	51.3	62.9	392	391	98	94	SSE	3	SSW	5	10	ins. 100
22	29.725	29.916	52.2	52.0	50.4	59.6	337	290	86	77	WSW	5	SW	2	10	ins. 100
23	29.840	29.683	57.2	52.3	47.1	61.1	339	326	72	83	S	4	S	3	9	ins. 100
24	29.546	29.587	53.8	49.4	49.2	62.1	312	291	75	83	SW	2	S	0-1	8	ins. 100
25	29.546	29.607	57.5	52.5	43.3	62.3	318	337	68	85	SW	2	SW	2	6	ins. 100
26	29.689	29.672	54.0	52.1	47.0	60.0	334	332	80	84	S	3-4	SW	3-4	10	ins. 100
27	29.721	29.703	57.6	60.6	45.6	64.3	435	433	91	82	S	6	S	7	10	ins. 100
28	29.689	29.859	60.0	55.0	53.3	67.2	372	344	72	80	SW	6	SW	4	9	ins. 100
29	29.916	29.927	58.3	53.0	49.4	65.2	367	327	76	81	SSW	4	SW	2	10	ins. 100
30	29.990	29.914	56.5	56.0	48.3	65.7	361	378	79	84	SW	2	S	3	10	ins. 100
Means	29.758	29.770	55.2	53.5	48.2	62.5	358	356	82.3	86.5	5.3	2.2	9.1	6.9	4.650	



## AUDLEY END.

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

JUNE 1879.

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	49.4	47.5	63.1	ins.	ins.	74	92	SW	3	7	10	ins.	K all the afternoon.
2	29.590	29.611	54.1	49.4	47.5	63.1	3.30	3.74	73	98	SW	1	9	10	4.20	Very cloudy. ☉ from 11 a.
3	29.588	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	☉ showers. K <sup>2</sup> in evening.
4	29.588	29.588	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
5	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
6	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
7	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
8	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
9	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
10	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
11	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
12	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
13	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
14	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
15	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
16	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
17	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
18	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
19	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
20	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
21	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
22	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
23	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
24	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
25	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
26	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
27	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
28	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
29	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
30	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	
Means	29.589	29.589	53.6	48.0	45.0	57.0	3.30	3.74	73	98	SW	1	9	10	4.20	

## CHELTENHAM.

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

JUNE 1879.

1	29°545	29°659	57°0	46°0	41°8	61°2	303	255	84	83	W	5	NW	1	5	3	°060	
2	°657	°511	54°5	50°8	37°7	61°3	341	358	81	96	W	1	S	1	4	10	°320	Fine till 1p., then ☉.
3	°547	°805	48°5	47°2	47°0	54°5	333	315	98	98	N	1	W	1	10	6	°050	
4	°856	°935	56°7	51°5	35°2	63°1	340	344	74	90	NW	3	W	1	6	6	°060	Beautiful day.
5	°853	°741	59°3	53°5	36°2	67°1	389	383	78	94	S	1	S	1	10	10	°060	Very fine till 7p., then ☉.
6	°663	°752	55°0	58°6	51°5	65°5	396	455	92	92	SE	1	S	1	10	10	°100	Very fine.
7	°691	°567	55°8	55°6	52°2	59°6	420	430	94	97	SE	2	SE	1	10	10	°410	
8	°522	°580	58°8	55°5	52°6	64°3	436	403	88	92	S	4	S	3	8	10	°020	
9	29°685	29°905	57°5	55°0	53°6	64°3	418	388	88	90	S	4	S	1	10	10	°120	
10	30°036	30°031	55°0	53°4	48°4	65°2	374	391	87	96	S	1	S	1	10	10	1°240	Beautiful day.
11	29°948	29°943	58°9	55°1	43°5	61°8	422	348	87	81	S	3	S	1	7	5	°180	☉ showers. T ☉ <sup>2</sup> 3p. < in NW. 9p.
12	29°932	29°951	57°8	55°3	48°1	62°0	406	370	84	94	S	2	S	1	6	6	°280	T ☉ <sup>2</sup> showers and ▲ p.
13	30°121	30°148	58°3	51°5	49°9	63°8	405	375	84	99	N	1	W	1	7	5	°130	Beautiful morning & evening. K ☉ <sup>2</sup>
14	30°090	29°991	61°2	59°2	45°0	66°6	433	462	81	92	W	2	S	2	7	10	°180	Fine and pleasant. T in afternoon.
15	29°822	°761	58°4	59°1	55°8	66°5	470	482	97	96	S	1	NW	1	10	3	°070	
16	°517	°512	59°5	54°2	51°5	63°8	470	382	93	91	E	2	SE	1	10	2	°360	
17	°487	°610	59°1	57°0	46°0	65°3	433	399	86	85	S	2	W	1	7	10	°130	
18	°810	°918	57°9	52°0	52°0	67°0	405	360	84	93	W	2	S	1	8	4	—	Magnificent day.
19	°883	°747	59°0	57°3	45°0	64°2	424	445	86	95	S	3	S	2	10	10	°070	Beautiful day. ☉ at night.
20	°752	°886	61°6	53°9	53°8	68°2	443	364	81	88	W	2	W	1	7	10	°010	Beautiful day.
21	°663	°594	56°3	55°3	55°5	66°1	412	399	91	91	S	6	SW	7	10	10	°010	☉ with ☉ showers all day.
22	°821	°059	56°8	53°7	52°6	60°6	423	341	91	83	W	5	W	2	8	10	—	Windy a. Fine and calm evening.
23	°855	°671	58°0	53°8	48°7	61°0	382	363	79	87	S	2	W	2	9	10	°130	
24	°598	°620	55°7	52°0	50°0	64°1	378	335	86	86	SW	4	W	1	6	4	°020	☉ a. Beautiful day.
25	°566	°718	55°1	53°2	48°0	63°8	361	345	84	85	W	1	W	3	5	10	°050	
26	°686	°724	53°8	53°2	48°6	63°2	391	366	94	91	S	2	W	1	10	3	°200	☉ till 4p. ☐ [showers.
27	°777	°746	60°0	61°7	52°2	65°5	465	444	90	79	S	8	SW	10	10	8	°680	Squally ☉ all day with a few ☉
28	°730	°924	62°0	56°8	53°5	67°0	401	366	73	79	SW	3	SW	1	5	8	—	Very fine day.
29	29°939	°960	62°6	54°1	52°0	63°6	371	351	66	84	SW	4	SW	2	10	4	°240	☉ all a. with T. Fine afternoon.
30	30°049	29°912	59°0	55°5	50°6	67°0	359	341	70	78	SW	2	SW	3	10	10	°820	☉ <sup>2</sup> at 11a. Fine afternoon.
Means	29°769	29°793	57°6	54°3	48°5	64°1	403	378	85°0	89°5	2°7		1°9	8°2	7°3	4°340	Observer remarks: A wet unpleasant month. Vegetation much behind.	

## CARMARTHEN.

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

JUNE 1879.

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	45.7	45.7	55.7	ins.	ins.	88	81	NW	1	W	1	10	8	ins.		
2	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	N	2	5	10	—		
3	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	NW	1	5	3	—		
4	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	N	1	7	0	—		
5	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SE	1	10	10	2.40	after 6p.	
6	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	S	1	10	10	3.30		
7	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	Cal'm	0	10	10	3.30		
8	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	S	1	9	10	5.00		
9	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	2	1	10	10	5.00	
10	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	S	1	8	0	1.70		
11	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SE	1	10	10	1.10	T 2p.	
12	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	1	10	1	3.90	T 4p.	
13	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	Cal'm	0	6	2	—		
14	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	Cal'm	0	10	10	3.50	9p.	
15	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	S	1	10	10	5.20	9p.	
16	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SE	1	10	9	9.60	till noon.	
17	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	W	1	10	10	0.20		
18	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	Cal'm	0	5	4	—		
19	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SE	1	10	10	4.80	after mid-day.	
20	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	1	3	10	4.50		
21	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	2	10	9	0.80		
22	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	1	8	10	—		
23	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	S	1	8	10	7.30	after 8p.	
24	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	Cal'm	0	5	2	0.20		
25	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	W	1	3	6	3.20		
26	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	S	3	10	10	3.90		
27	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	7	10	10	4.80	Squally all day.	
28	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	7	10	10	—	Squally all day.	
29	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SW	4	7	10	—		
30	29.581	29.642	49.9	45.7	45.7	55.7	3.16	2.47	88	81	NW	1	SE	4	9	6	2.10		
Means	29.740	29.767	50.6	52.8	49.1	62.2	3.78	3.67	82.8	91.7	2.1	1.5	8.2	7.6	8.910				



STRATHFIELD TURGISS.

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

JUNE 1879.

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°5	59°3	47°0	59°5	ins.	ins.	79°	79°	SW	3-4	SW	3	9	ins.
2	29°017	29°025	59°5	59°3	47°0	59°5	345	338	76	93	SW	3-4	SW	3	9	077 Squally a. and p.
3	687	583	53°8	51°8	45°3	55°4	371	364	89	94	SW	3-4	SW	2	10	369
4	498	801	55°4	46°3	46°2	57°2	355	295	81	95	W	3	NW	0-1	10	030
5	903	938	57°8	51°3	38°8	63°6	339	325	71	86	SW	3-4	SW	2	7	6 — Squally a.
6	888	734	60°1	55°0	41°1	67°8	339	340	64	81	S	1	SE	2	7	8 044 O a.
7	679	786	53°8	50°1	53°3	68°8	388	403	93	89	S	3	SW	2-3	10	10 180 a. p.
8	728	564	56°0	54°4	52°4	61°5	437	412	95	97	S	2	SW	1	10	10 215
9	583	615	60°8	55°1	52°0	60°8	407	378	77	87	S	3	S	2	10	10 030 Squally a.
10	29°752	29°932	55°5	52°5	51°9	60°6	355	355	90	90	SW	4	SW	3	10	10 — Squally a. and p.
11	30°043	30°065	61°6	50°5	47°9	68°5	346	316	63	87	SW	2	SW	0-1	5	0 252
12	29°994	29°986	57°0	53°8	44°0	64°6	441	369	94	88	E	3	SW	1	10	0 333
13	29°992	29°979	57°0	52°1	48°5	62°5	466	370	87	95	SW	3	SW	2	8	10 216 Squally p.
14	30°134	30°172	59°0	54°8	48°6	67°6	379	400	76	93	SW	2	Calm	0	10	10 224 a. p.
15	30°129	30°049	63°8	58°4	46°0	67°2	369	464	62	95	SW	3	SW	2	8	10 048 O a.
16	29°914	29°807	59°8	57°0	54°4	65°2	491	459	96	95	S	1	S	2	10	6 287
17	534	544	57°3	57°1	55°0	67°5	461	410	98	87	E	1	SW	2	10	8 213 ga. p.
18	546	582	59°0	53°1	51°3	64°5	407	373	82	92	SW	3	W	1	8	4 —
19	791	911	57°7	55°2	52°6	69°2	365	378	77	87	NW	1	W	1	9	0 —
20	921	837	60°4	57°5	45°8	64°5	410	428	78	90	SW	1	S	2	10	10 166 p.
21	799	909	61°3	56°4	53°2	68°2	401	393	75	87	W	3	SW	3	9	10 120 p.
22	767	677	55°6	54°8	53°1	62°8	416	360	94	84	SW	4	SW	3-4	10	10 058 a. Squally p.
23	828	979	58°1	51°1	50°5	63°4	343	281	72	76	SW	4-5	W	2	6	5 — Squally a.
24	912	774	57°8	52°4	43°6	61°4	328	356	69	90	SW	3	S	1	10	10 085 p.
25	633	658	59°5	51°4	50°0	62°6	329	330	65	87	S	3	SW	3	6	10 510 a. Squally p.
26	599	738	58°7	51°8	49°4	65°5	389	305	79	79	SW	3	W	2	9	0 012 a. Squally p.
27	775	766	52°9	55°4	46°1	62°5	375	381	94	87	S	1	SW	3	10	10 164 Squally p.
28	805	858	59°9	59°9	50°7	66°3	427	444	84	87	S	3-4	S	2	10	10 031 Squally a. and p.
29	804	954	61°4	55°1	54°9	68°3	434	348	80	80	SW	3	SW	3	9	0 — Squally a. and p.
30	30°006	30°099	62°2	53°5	52°2	66°3	385	373	69	91	SW	2-3	SW	3	8	3 050 Squally p.
31	30°092	30°006	63°5	54°8	48°3	68°2	367	365	63	85	SW	3	S	2	5	10 863 Squally p.
Means	29°813	29°828	58°4	54°0	49°1	64°5	388	371	79°8	88°5	2°7		2°0	8°7	7°7	5°117

## RAMSGATE.

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

JUNE 1879.

1	29° 663	29° 666	52° 7	52° 3	48° 8	60° 0	349	352	87	90	SW	5	SW	7	10	10	130	Squally $\nearrow$ p.	
2	702	660	51° 8	51° 5	49° 0	61° 5	379	375	98	99	SW	6	SW	1	10	10	850	Squally $\nearrow$ a. $\odot$ 2.	
3	403	513	58° 0	50° 4	49° 0	62° 0	497	339	84	93	S	1	Calm	0	9	8	060		
4	905	973	56° 6	51° 1	428	62° 7	308	313	67	83	SW	1	SW	1	2	4	030	$\searrow$ gp.	
5	920	778	55° 6	53° 2	43° 0	63° 7	362	343	82	84	Calm	0	NE	2	4	10	070		
6	724	813	55° 3	55° 0	52° 5	73° 3	403	427	92	99	Calm	0	SW	1	10	9	—	$\searrow$ a. $\searrow$ gp.	
7	788	589	60° 0	55° 0	50° 7	62° 8	416	424	81	95	Calm	0	SW	2	6	10	150	$\searrow$ a. and p.	
8	691	29° 729	59° 0	54° 8	51° 9	65° 3	397	394	80	92	S	3	Calm	0	10	10	060		
9	29° 835	30° 002	58° 8	53° 8	53° 1	71° 0	391	366	79	88	SW	6	Calm	0	4	1	—	Squally $\nearrow$ a. $\searrow$ gp.	
10	30° 076	30° 122	62° 4	53° 7	50° 1	69° 3	388	346	60	84	Calm	0	Calm	0	5	0	—	$\searrow$ gp.]	
11	051	29° 097	60° 2	56° 5	52° 1	75° 2	403	439	77	96	E	2	Calm	0	9	5	210	$\searrow$ gp.	
12	053	30° 075	58° 0	53° 3	50° 4	64° 3	433	373	89	92	SW	4	SW	3	8	6	020	Squally $\nearrow$ p.	
13	110	191	56° 0	54° 3	51° 6	68° 0	394	409	88	97	W	1	Calm	0	8	4	—	$\searrow$ gp.	
14	30° 166	30° 093	54° 0	57° 3	54° 0	69° 2	385	428	92	90	SE	1	Calm	0	10	10	—	$\searrow$ gp. and before.	
15	29° 965	29° 849	57° 9	56° 3	54° 3	64° 0	449	446	93	98	Calm	0	SW	1	10	10	050	$\searrow$ a. and p.	
16	602	586	57° 2	53° 9	53° 7	68° 2	457	399	98	E	2	SW	4	10	6	—	$\searrow$ a. $\searrow$ gp.		
17	584	615	61° 5	55° 0	50° 6	66° 4	389	400	73	92	SW	2	SW	1	6	8	—		
18	701	932	57° 5	55° 4	48° 8	68° 4	403	409	85	93	SW	3	Calm	0	10	4	—	$\searrow$ gp.	
19	059	886	60° 5	55° 4	50° 1	66° 4	430	396	83	90	SE	1	SW	2	5	10	—		
20	793	057	61° 3	55° 2	54° 8	69° 0	464	396	86	91	S	1	SW	3	9	3	—	Squally $\nearrow$ p. $\searrow$ gp.	
21	879	29° 767	57° 0	55° 8	52° 5	59° 0	404	389	86	87	SW	5	SW	6	9	8	030	Squally $\nearrow$ a. $\searrow$ gp.	
22	819	30° 003	61° 4	52° 4	52° 2	63° 4	393	353	73	89	SW	6	SW	1	6	4	—		
23	946	29° 833	59° 3	53° 8	47° 1	62° 4	358	345	72	83	S	1	Calm	0	8	10	—		
24	660	721	59° 0	51° 7	51° 5	63° 3	353	339	71	88	SW	4	SW	1	5	2	030	Squally $\nearrow$ p. $\searrow$ gp.	
25	635	766	56° 7	50° 1	49° 1	62° 0	373	360	82	99	SW	6	Calm	0	9	7	970	Squalls ga. $\odot$ 2 1p.-3.3cp. (0° 68 in.)	
26	861	827	55° 9	57° 0	50° 1	65° 2	361	431	81	92	SW	6	SW	5	7	9	030	Squally $\nearrow$ a. [K 2 $\odot$ 2 6.1cp]	
27	946	29° 921	60° 6	59° 3	50° 2	68° 7	428	433	81	86	SW	6	SW	1	5	9	—	Squally $\nearrow$ a.	
28	29° 819	30° 012	64° 5	57° 3	57° 1	72° 0	472	391	78	83	SW	1	SW	1	2	10	4	—	$\searrow$ a. Squally $\nearrow$ p. Large nim
29	30° 069	057	61° 5	54° 9	50° 8	66° 2	394	379	73	89	SW	1	SW	4	8	2	—	$\searrow$ gp. [almost stationary ga.-	
30	30° 135	30° 071	61° 9	54° 9	49° 7	68° 8	366	385	67	92	SW	2	SW	1	5	6	030	$\searrow$ gp. [1.502, then cleared.	
Means	29° 851	29° 877	58° 4	54° 4	50° 5	66° 0	397	386	81° 5	91° 0		2° 6	1° 6	7° 6	6° 6	2° 710			

SOUTHAMPTON.

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

JUNE 1879.

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°	50°	47°	55°	3°	in.	in.	%	%	SW	4°	SW	3	9	10	ins.	'140
2	29° 040	29° 050	52°	52°	49°	55°	9	368	89	99	99	SW	3	S	3°	10	10	☉	from 2p.
3	'510	'818	50°	49°	49°	56°	355	'310	78	86	NW	3	NW	1	9	2	'007	☉	11.45a.—7.45p.
4	'910	'949	56°	50°	42°	60°	335	'330	70	91	W	2	SW	1	8	8	—	☉	11.45a.—7.45p.
5	'862	'681	57°	50°	44°	64°	330	'405	70	88	SE	3	E	4	9	9	—	☉	11.45a.—7.45p.
6	'697	'792	53°	53°	52°	63°	'393	'405	97	100	SE	2°	SW	3°	10	10	'104	☉	11.45a.—7.45p.
7	'707	'591	55°	58°	54°	51°	'434	'422	98	100	SW	2	S	0°	10	9	'335	☉	11.45a.—7.45p.
8	'578	'608	57°	55°	53°	63°	'414	'398	87	90	S	3°	S	3	10	10	'044	☉	11.45a.—7.45p.
9	29° 030	30° 030	53°	53°	52°	58°	'403	'391	98	97	SW	4	SW	2°	10	10	'004	☉	11.45a.—7.45p.
10	30° 046	30° 053	57°	53°	50°	64°	'377	'347	81	86	S	2	SE	1	6	1	'070	☉	11.45a.—7.45p.
11	29° 061	29° 085	60°	55°	51°	66°	'450	'416	87	93	SE	3°	SSW	1°	10	10	'048	☉	11.45a.—7.45p.
12	29° 079	29° 089	56°	53°	52°	60°	'404	'393	89	97	SW	4	SW	3	10	9	'025	☉	11.45a.—7.45p.
13	30° 136	30° 171	58°	58°	50°	66°	'401	'405	83	93	NW	2	SW	2	9	2	—	☉	11.45a.—7.45p.
14	30° 124	30° 039	59°	55°	51°	62°	'406	'435	81	99	SSE	2	S	2	10	10	'386	☉	11.45a.—7.45p.
15	29° 089	29° 094	57°	57°	54°	59°	'470	'455	99	97	SW	3	SSE	1°	10	10	'520	☉	11.45a.—7.45p.
16	'516	'552	57°	54°	54°	63°	'464	'391	99	94	SE	3	SW	2°	10	1	'100	☉	11.45a.—7.45p.
17	'532	'595	57°	55°	52°	61°	'391	'408	81	93	SW	3	NW	2	8	10	'015	☉	11.45a.—7.45p.
18	'796	'922	62°	57°	52°	67°	'380	'414	69	89	NW	2	SW	2	5	3	—	☉	11.45a.—7.45p.
19	'925	'814	59°	58°	52°	61°	'393	'418	79	86	SW	3°	S	3	10	10	'240	☉	11.45a.—7.45p.
20	'808	'911	60°	55°	54°	65°	'423	'407	82	93	SW	3	SW	3	9	10	'245	☉	11.45a.—7.45p.
21	'770	'707	55°	54°	54°	59°	'432	'374	96	88	SW	4°	SW	5°	10	10	'197	☉	11.45a.—7.45p.
22	'866	'989	57°	54°	52°	61°	'391	'355	66	85	WNW	5	SW	2°	7	9	—	☉	11.45a.—7.45p.
23	'913	'757	55°	53°	48°	58°	'342	'361	76	88	SW	3	SW	3	10	10	'062	☉	11.45a.—7.45p.
24	'644	'663	56°	53°	51°	62°	'357	'373	77	90	SW	3°	SW	3	9	10	'370	☉	11.45a.—7.45p.
25	'579	'761	56°	53°	51°	63°	'422	'321	93	79	SW	2	WSW	2°	9	0	'525	☉	11.45a.—7.45p.
26	'754	'796	54°	55°	50°	59°	'397	'393	95	90	S	4	SW	5	10	10	'170	☉	11.45a.—7.45p.
27	'878	'855	57°	56°	52°	63°	'436	'452	93	86	SW	3°	SSW	2	10	9	'018	☉	11.45a.—7.45p.
28	29° 088	29° 079	58°	55°	55°	64°	'414	'398	85	89	SW	3	SW	3	9	7	—	☉	11.45a.—7.45p.
29	29° 004	30° 021	58°	54°	54°	62°	'389	'403	80	93	SW	2°	SW	3°	9	4	—	☉	11.45a.—7.45p.
30	30° 100	29° 087	61°	55°	52°	64°	'381	'384	72	86	SW	3	SSE	2	7	10	'147	☉	11.45a.—7.45p.
Means	29° 514	29° 831	57°	54°	51°	61°	'394	'391	84°	91°	5°	1	2°	9°	7°	8°	5°	254	

## HASTINGS.

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

JUNE 1879.

1	29°093	29°681	51°2	50°8	49°5	55°1	350	347	93	93	SSW 6	SSW 7	10	10	350	[was fine.
2	747	644	50°6	51°1	49°1	56°2	349	368	95	98	SW 6	SE 0-1	10	10	1800	● <sup>2</sup> all day, except noon.—wp. which
3	468	803	54°7	50°0	49°9	59°2	360	322	84	90	W 3	WNW 2-3	10	10	080	● <sup>2</sup> about 5 a., showery after.
4	922	950	52°0	48°9	42°4	55°1	339	302	85	88	SW-WSW 4-5	W 1	1	5	—	Fine day.
5	894	732	57°1	55°7	44°7	64°2	305	353	66	70	E-BSE 1	NE 4	9	10	140	Much cir. from Wd. all the morning.
6	726	822	55°9	55°0	60°6	44°0	373	92	100	W 3	SW 2	10	10	—	~ p. ~ at night.	
7	772	604	58°8	55°0	48°5	61°6	413	386	84	86	NE 1	SW 3	10	10	020	~ a.
8	445	078	56°3	54°0	51°7	64°0	393	368	86	88	S 1	S 1	9	10	030	Roar of sea very distinct ga. wp.
9	29°828	29°075	55°0	51°2	51°1	59°8	375	345	87	92	S 2	Caln 0	10	0	020	—
10	30°053	30°079	61°1	52°6	48°9	63°6	380	353	71	89	SSW 0-1	NE 0-1	0	0	010	Fine day.
11	030	007	57°0	57°3	52°0	63°0	394	398	85	96	NE 1	W 0-1	10	0	185	wp. a.
12	032	039	56°6	52°8	51°9	59°6	383	369	83	92	SSW 3	SSW 5-6	2	10	030	~ p. ~
13	107	173	57°7	54°0	51°1	60°0	345	388	72	93	W 2	SW 0-1	9	10	080	Fine a. ● <sup>2</sup> K in afternoon.
14	30°161	30°079	57°8	56°9	49°2	66°6	391	454	82	98	SW 0-1	SSE 0-1	1	10	—	Fine till evening, then ~ ● <sup>4</sup> .
15	29°947	29°843	56°3	55°2	53°4	57°8	450	433	99	100	S 1	SSW 0-1	10	10	090	~ all day. wp.
16	550	558	58°3	53°0	52°8	60°0	478	380	97	94	NE 2	WSW 3	10	8	040	~ a.
17	581	573	56°1	53°9	51°9	61°3	401	405	88	98	SSW 2	W 0-1	10	10	100	Fine till 4.50 p. then ● for about 2 hours.
18	769	929	57°0	54°3	51°0	65°2	399	387	86	92	WNW 2	WSW 2	10	2	—	Fine.
19	960	891	57°7	55°7	51°1	61°9	403	395	84	89	SSW 1	S 0-1	2	10	070	—
20	812	954	58°3	54°1	53°9	60°5	410	393	84	93	WSW 3	WSW 5-6	10	9	—	Fine but windy.
21	877	728	57°9	54°3	52°3	58°0	411	379	86	90	SSW 3-4	SW 7	10	9	300	● <sup>2</sup> till aft. then fine. Windy at night.
22	843	30°000	56°6	51°8	51°5	59°4	378	348	82	60	SW 7	W 2	8	5	—	~
23	958	29°824	55°8	52°6	48°7	60°4	375	327	84	82	SSW 2	S 1	10	10	070	Fine day.
24	677	703	55°4	52°8	52°3	59°0	379	346	87	87	SW 5	WSW 5	10	2	020	Fine but windy.
25	625	761	54°3	52°8	52°3	60°0	379	350	90	87	SSW 4	WSW 3	10	1	010	—
26	841	818	54°8	56°3	52°1	58°6	376	415	88	91	SSW 2	SW 6-7	10	10	140	Wind rose p.
27	933	29°910	59°7	60°3	52°1	66°2	425	416	83	80	SW 3	S 2	7	8	—	Roar of sea very distinct ga. and wp.
28	29°830	30°004	62°2	55°0	54°7	671	403	403	72	93	W-WNW 3	SW 3	8	0	—	Fine.
29	30°050	30°059	59°9	54°9	54°0	61°7	422	395	82	90	s-SSW 1	SSW 4	9	2	—	—
30	30°127	30°051	57°7	54°2	51°7	60°8	397	383	83	91	SW 4	SE 0-1	6	10	150	wp. Fine. Cir. formed in W. in the afternoon.
Means	29°849	29°861	56°7	53°7	50°9	60°9	389	376	84.7	91.0	2.7	2.5	8.0	7.0	4.355	



## DARTMOOR.

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

JUNE 1879.

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° 8'	45° 6'	44° 4'	48° 0'	in.	in.	100	100	W 4	W 5	10	10	ins.	☁ 9p.
2	586	523	46° 0'	47° 5'	42° 6'	48° 4'	306	329	99	100	SW 1	W 2	10	10	ins.	☁ a. and p.
3	608	888	45° 4'	43° 9'	41° 3'	53° 4'	292	262	96	91	NW 1	NW 4	10	4	—	Fine p.
4	916	928	48° 7'	46° 8'	41° 0'	54° 0'	255	305	74	95	W 1	Calm 0	5	10	ins.	Fine.
5	813	675	50° 9'	48° 0'	44° 4'	53° 5'	349	325	94	97	SE 3	E 7	7	10	ins.	Fine a. and p. T 5p.
6	668	766	51° 4'	49° 5'	42° 9'	55° 0'	364	355	96	100	W 3	S 2	10	10	ins.	☁ p.
7	625	544	50° 8'	51° 2'	49° 5'	54° 3'	364	366	98	98	SE 2	SE 1	10	10	ins.	Sun seen through ☁ 3p.
8	481	545	49° 9'	49° 5'	48° 5'	52° 2'	343	352	96	100	S 2	S 2	10	10	ins.	☁ p.
9	29° 689	29° 905	49° 0'	47° 1'	47° 1'	49° 9'	348	322	100	99	S 2	W 2	10	10	ins.	☁ p. and before.
10	30° 005	30° 022	49° 9'	46° 2'	44° 2'	55° 8'	368	296	86	96	W 1	NE 3	6	7	ins.	Fine a. and p.
11	29° 900	29° 924	52° 4'	49° 0'	45° 0'	56° 9'	364	285	92	99	SW 2	S 6	6	10	ins.	Fine a. and p.
12	29° 889	29° 951	48° 9'	47° 1'	44° 4'	52° 9'	323	310	94	98	W 4	NW 2	9	10	ins.	☁ p.
13	30° 169	30° 181	52° 0'	47° 9'	46° 6'	53° 9'	348	318	90	96	S 1	Calm 0	10	4	ins.	☁ p.
14	30° 057	30° 040	51° 2'	52° 3'	46° 0'	56° 0'	377	393	100	100	SE 1	NW 1	10	10	ins.	☁ a. and p.
15	29° 858	29° 764	53° 2'	53° 2'	51° 2'	56° 9'	400	400	99	99	NW 3	Calm 0	10	10	ins.	☁ a. and p.
16	525	548	52° 1'	49° 3'	49° 3'	56° 6'	389	349	100	99	W 1	NW 3	10	10	ins.	☁ p.
17	417	680	50° 8'	50° 9'	48° 3'	58° 0'	369	349	99	94	SW 2	NW 3	10	10	ins.	☁ p.
18	843	968	56° 0'	49° 2'	49° 1'	59° 2'	367	345	82	99	NW 1	SW 2	5	10	ins.	Fine a. and p.
19	863	708	50° 6'	53° 3'	43° 6'	53° 4'	364	399	99	98	S 2	S 7	10	10	ins.	☁ p.
20	788	914	52° 4'	50° 0'	48° 6'	54° 9'	379	358	96	99	SW 3	W 2	10	10	ins.	☁ p.
21	665	29° 728	52° 0'	47° 8'	47° 6'	52° 0'	388	307	100	93	WSW 7	W 8	10	10	ins.	☁ p.
22	934	30° 014	51° 0'	47° 0'	46° 0'	54° 8'	285	298	76	93	NW 5	W 1	7	9	ins.	☁ p.
23	875	29° 654	48° 2'	49° 0'	42° 2'	56° 2'	330	343	98	99	S 2	S 8	8	10	ins.	☁ p.
24	633	638	48° 4'	47° 0'	41° 6'	54° 3'	328	312	96	97	W 2	W 1	5	10	ins.	☁ p.
25	584	786	52° 2'	45° 5'	43° 8'	55° 6'	280	290	72	96	NW 1	W 2	6	3	ins.	☁ p.
26	638	760	51° 4'	49° 2'	43° 4'	51° 4'	379	351	100	100	SW 3	NW 4	10	10	ins.	☁ p.
27	758	767	53° 7'	53° 0'	48° 0'	55° 6'	413	403	100	100	SW 5	WSW 8	10	10	ins.	☁ p.
28	766	29° 946	50° 4'	50° 4'	49° 0'	55° 2'	364	364	100	100	W 5	W 5	10	10	ins.	☁ p.
29	29° 963	30° 010	51° 8'	49° 2'	49° 2'	53° 9'	353	351	91	100	SW 2	SW 1	8	10	ins.	☁ p.
30	30° 080	29° 906	50° 8'	50° 0'	48° 5'	56° 0'	348	348	93	97	SW 1	SE 3	8	10	ins.	☁ p.
Means	29° 778	29° 812	50° 6'	48° 9'	45° 9'	54° 2'	347	339	93° 9'	97° 7'	2° 4'	3° 2'	8° 7'	9° 2'	15° 890	

Observer remarks: The weather experienced this month is generally presumed unprecedented.

## BABBACOMBE.

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

JUNE 1879.

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° 624	29° 675	53° 9'	49° 7'	45° 6'	55° 8'	384	349	93	98	WSW 4	WSW 2	9	10	ins.	☁ a.
2	700	525	52° 9'	51° 2'	48° 5'	54° 4'	362	369	91	98	SW 3	SSW 2	10	10	ins.	☁ after 10p. ☁ after 11.45p.
3	598	879	52° 8'	46° 9'	46° 9'	59° 7'	316	265	79	84	NW 3	W 3	10	0	—	☁ n. p.
4	922	928	58° 0'	49° 9'	41° 9'	62° 2'	330	297	69	83	WSW 3	SW 1	2	9	—	☁ 11a.—1p., and 4p.—6p. p.
5	830	650	51° 9'	52° 9'	48° 7'	54° 6'	321	336	83	84	NE 3	NNE 3	9	10	ins.	☁ 7a.—9a. T <sup>1</sup> in SE. 3.50p. ☁ 4.2p. (one flash 2 miles to S.) in ENE. after.
6	678	771	58° 2'	53° 0'	51° 4'	62° 0'	407	388	84	97	SSW 2	SSW 1	9	10	ins.	☁ in NE. 0.30a. Scotch ☁ 9a.—10.30a. to 8.50p. and 10.30p.
7	640	550	51° 4'	52° 0'	51° 2'	54° 9'	379	385	100	99	ESE 2	S 2	10	9	ins.	☁ p.
8	502	543	52° 3'	51° 9'	51° 0'	55° 1'	381	375	97	98	SSE 3	SSW 4	10	10	ins.	☁ p.
9	29° 714	29° 914	54° 3'	51° 1'	51° 1'	59° 6'	396	357	94	95	SSW 3	SW 3	3	9	ins.	☁ p.
10	30° 024	30° 019	55° 9'	51° 1'	48° 7'	59° 4'	382	338	86	90	SSE 3	ESE 2	4	8	ins.	☁ p.
11	29° 905	29° 951	60° 3'	53° 2'	50° 7'	63° 1'	433	364	84	90	SSW 2	S 3	3	8	ins.	☁ p.
12	29° 911	30° 040	56° 1'	51° 1'	51° 1'	60° 6'	375	325	83	86	SW 5	W 3	9	2	ins.	☁ p.
13	30° 159	30° 174	61° 1'	52° 1'	48° 0'	68° 8'	396	346	75	89	W 2	WSW 2	3	4	ins.	☁ p.
14	30° 070	30° 131	53° 8'	55° 6'	51° 1'	64° 8'	406	433	98	98	SE 2	SW 2	10	10	ins.	☁ p.
15	29° 841	29° 769	58° 4'	56° 1'	53° 6'	64° 7'	475	431	98	96	SW 4	SW 1	10	9	ins.	☁ p.
16	533	567	54° 9'	52° 8'	52° 7'	64° 6'	428	366	100	91	SE 1	SW 3	10	4	ins.	☁ p.
17	450	681	53° 5'	52° 8'	51° 0'	62° 9'	401	351	98	87	S 3	WNW 2	10	1	ins.	☁ p.
18	887	953	63° 8'	52° 9'	52° 2'	69° 2'	416	362	70	81	WNW 1	SW 3	4	3	ins.	☁ p.
19	896	737	56° 7'	54° 3'	51° 8'	60° 8'	421	419	91	99	S 4	S 4	10	10	ins.	☁ p.
20	810	916	61° 1'	54° 0'	51° 7'	64° 8'	434	385	82	92	WSW 3	SW 2	6	10	ins.	☁ p.
21	656	29° 736	56° 9'	52° 8'	52° 0'	61° 8'	447	335	97	83	SW 6	WSW 5	10	10	ins.	☁ p.
22	918	30° 004	57° 1'	50° 8'	50° 1'	62° 8'	312	329	67	88	W 4	SW 2	4	6	ins.	☁ p.
23	890	29° 682	54° 0'	52° 1'	49° 2'	56° 6'	377	373	90	86	SSW 3	S 3	10	10	ins.	☁ p.
24	645	644	56° 9'	51° 1'	47° 2'	61° 9'	339	355	73	94	WSW 3	SW 2	4	9	ins.	☁ p.
25	668	791	56° 0'	51° 9'	49° 3'	63° 7'	325	346	75	90	NE 1	WSW 3	9	1	ins.	☁ p.
26	659	799	55° 7'	53° 6'	50° 0'	58° 8'	437	379	99	93	SW 4	SW 3	10	7	ins.	☁ p.
27	797	777	55° 9'	57° 4'	53° 2'	60° 8'	437	447	98	95	SSW 6	SSW 5	10	10	ins.	☁ p.
28	792	29° 905	60° 2'	55° 0'	52° 6'	63° 3'	415	389	80	95	SW 5	SW 4	8	8	ins.	☁ p.
29	29° 975	30° 043	58° 9'	52° 7'	52° 7'	63° 8'	393	365	79	92	SW 3	WSW 3	9	1	ins.	☁ p.
30	30° 096	29° 919	59° 3'	53° 3'	50° 2'	64° 3'	361	386	72	95	WSW 3	SSE 3	4	10	ins.	☁ p.
Means	29° 788	29° 821	56° 4'	52° 5'	50° 2'	61° 2'	390	365	86° 2'	92° 0'	3° 1'	2° 7'	7° 3'	7° 340		

Observer remarks: Month more like November than June. Rainfall more than four times the average for the past 15 years.

## ST. AUBIN'S, JERSEY.

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

JUNE 1879.

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° 0'	51° 6'	48° 6'	58° 0'	in.	in.	%	%	SW 4	SW 5	9	10	ins.	Squally cold breeze all day. Warm night.
2	774	628	53° 5'	53° 1'	50° 3'	57° 7'	379	360	93	89	S 3	SW 2	10	10	ins.	○ 10.30a. Bar. fell from 4p. Wet night.
3	667	936	52° 4'	49° 1'	48° 3'	58° 2'	360	319	91	91	W 3	W 2	10	0	ins.	Bar. 29° 464 5a. Very fine p. ☁ p. Cold.
4	993	956	55° 4'	54° 8'	46° 0'	60° 1'	341	354	78	83	SW 3	SE 1	6	10	ins.	☁ a. [Temp. of sea 56°.
5	769	650	56° 2'	58° 0'	52° 3'	62° 0'	350	439	77	91	E by N 5	S by W 2	10	10	ins.	○ 0 7.20a. Warmest evening since
6	720	843	56° 1'	55° 2'	51° 9'	63° 8'	415	404	91	93	SW 3	SW 1	10	10	ins.	[Oct. 21st.
7	684	629	55° 2'	55° 1'	54° 0'	57° 1'	416	385	96	88	SE 2	SSW 3	10	5	ins.	[only 78° 6.
8	589	605	59° 9'	55° 0'	53° 1'	60° 1'	402	389	78	90	S 3	SSW 3	7	9	ins.	Solar max.
9	29° 823	29° 885	60° 8'	52° 1'	51° 5'	64° 4'	393	337	75	86	SSW 3	W 1	7	2	ins.	Very small range of temp.
10	30° 057	29° 992	60° 2'	58° 0'	47° 4'	64° 8'	372	337	71	70	SE 2	ENE 5	2	10	ins.	Very fine p. Sea dead calm. ☁ p.
11	29° 064	30° 027	59° 4'	55° 9'	53° 3'	67° 4'	464	364	93	81	S by E 3	SW 2	4	1	ins.	☁ a. Very fine till 3p. Bar. fell from
12	30° 037	29° 127	59° 7'	53° 0'	52° 0'	60° 8'	437	371	86	92	S by W 3	W 3	6	7	ins.	[1p. Sea dead calm. ☁ from 8p.
13	234	232	58° 2'	54° 5'	51° 4'	63° 3'	361	362	96	86	W 4	Calm 0	4	8	ins.	[Squall at 9p. 9-45p.-10.5p.
14	30° 130	30° 094	57° 7'	59° 2'	61° 8'	61° 8'	467	467	96	94	S 1	Calm 0	10	10	ins.	Very fine and warm.
15	29° 068	29° 827	59° 3'	50° 5'	56° 0'	65° 1'	493	483	97	95	S by W 1	NE 1	10	10	ins.	Hot sun, yet cold breeze.
16	592	677	58° 7'	54° 6'	53° 2'	62° 2'	471	404	95	95	SW 3	SSW 2	9	8	ins.	Extremely fine. Strong unusual smell
17	611	730	56° 9'	54° 5'	52° 7'	58° 7'	466	402	88	95	S by W 3	Why N 3	10	9	ins.	[of the sea from 10p.
18	911	30° 016	61° 0'	53° 0'	52° 5'	63° 1'	439	377	82	94	W 3	W 1	4	3	ins.	Scotch ☁ a. Strong smell of the sea 11p
19	966	29° 868	56° 6'	58° 2'	51° 8'	62° 3'	405	415	88	85	S by E 3	S 3	10	10	ins.	Scotch ☁ a. Day very close and damp.
20	902	30° 011	60° 3'	55° 4'	53° 0'	64° 8'	437	416	84	95	SW 3	WSW 2	9	8	ins.	☁ 2 1.35a. at least 750 in. in 10 mins.
21	29° 848	29° 884	58° 0'	53° 9'	51° 3'	63° 1'	418	370	86	89	S 3	W 5	10	1	ins.	Scotch ☁ a. [from 5a.
22	30° 300	30° 081	58° 5'	51° 9'	51° 7'	38° 9'	339	80	88	W 6	Calm 0	3	4	ins.	Fine, but cold breeze. Coloured ☁	
23	29° 091	29° 814	57° 6'	55° 2'	49° 4'	61° 8'	336	368	75	85	S 2	S by W 2	10	8	ins.	☁ a. [5.15p.-sunset. ☁ p.
24	755	705	59° 0'	52° 9'	51° 4'	61° 4'	404	362	81	91	SW 4	SW 2	1	3	ins.	Cold breeze p.
25	654	892	55° 6'	51° 4'	51° 4'	61° 4'	352	349	79	86	W by S 3	Why S 3	8	0	ins.	☁ p. Cold breeze. Very fine day.
26	826	916	57° 4'	57° 1'	51° 8'	63° 9'	432	409	92	87	S by W 3	WSW 3	10	6	ins.	☁ 7.10 a. Cold evening. ☁ p.
27	950	29° 012	62° 0'	62° 1'	54° 3'	71° 2'	450	455	81	82	SSW 3	S by W 2	10	7	ins.	☁ p.
28	29° 096	30° 066	59° 5'	55° 3'	55° 0'	67° 3'	463	394	92	90	SW 2	SW 1	9	3	ins.	Highest max. temp. since Sept. 12th.
29	30° 065	29° 124	61° 2'	55° 5'	53° 5'	61° 4'	440	400	82	91	S 2	SW 2	10	6	ins.	"Second day of summer." ☁ p.
30	30° 179	30° 029	60° 2'	59° 2'	53° 1'	66° 1'	420	392	81	78	SW 3	SW 2	3	10	ins.	☁ noon-2p. Very fine 3p-7p. ☁ p.
Means	29° 879	29° 906	58° 0'	55° 2'	51° 0'	62° 5'	409	386	84° 8'	88° 3'	3° 0'	2° 1'	7° 7'	6° 6'	3° 413'	Very fine a. Bar. falling from noon.



## MARKREE CASTLE.

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

JUNE 1879.

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.	50.3	42.2	42.1	53.9	ins.	ins.	63	86	NW 3	Calm 0	6	0	ins.	D <sup>2</sup> 9p.
2			50.1	45.6	30.7	56.7	229	238	80	78	NW 2	Calm 0	7	0	0.02	D <sup>2</sup> 9a.
3			53.7	46.1	40.4	55.6	289	254	71	82	N 3	N 1	4	2	0.10	
4			49.3	46.1	42.7	56.5	284	271	81	87	N 3	NW 1	10	10	—	
5			51.1	53.4	41.1	61.9	340	282	90	69	E 2	SSE 2	4	10	—	
6			57.3	55.0	48.3	60.4	304	344	65	80	SSE 1	ENE 2	10	10	0.07	
7			55.0	55.2	51.9	64.4	386	376	89	87	SE 2	SE 1	10	10	1.55	6p.
8			54.1	50.1	49.4	59.9	384	313	91	86	Calm 0	NNE 3	10	10	2.16	T 5p.
9			51.3	51.7	49.2	58.4	357	347	95	90	NNE 2	NW 1	10	10	—	K in past n.
10			50.2	52.1	49.4	64.0	370	357	74	91	SW 1	E 1	8	8	0.20	Double 6p.
11			60.1	53.5	42.1	63.5	346	351	67	86	E 3	ESE 1	4	9	0.14	
12			57.1	50.1	42.1	63.4	376	333	81	92	Calm 0	Calm 0	10	8	0.16	⊕ 9a. D 9p.
13			57.3	54.1	48.1	63.2	382	367	81	87	SSE 2	SSE 1	10	10	—	
14			54.0	56.1	52.1	60.2	357	424	85	93	SSE 3	SW 1	10	10	0.08	
15			58.4	57.8	51.3	66.8	385	385	79	80	NE 1	ENE 2	10	10	1.21	
16			59.1	54.9	53.3	64.6	409	396	82	92	NNE 2	NNE 1	10	10	1.51	
17			52.9	49.8	49.5	56.7	378	317	95	88	NNW 3	NW 1	10	5	—	
18			58.0	57.4	48.5	64.4	375	406	78	86	S 2	SSE 3	10	7	—	
19			59.0	53.0	52.7	64.6	424	350	86	87	SSE 4	SE 1	10	1	0.86	D p.
20			57.7	53.1	51.2	64.4	368	320	77	81	SSW 4	SW 1	10	5	0.88	
21			54.6	51.1	50.3	63.4	389	352	91	93	SE 3	NW 3	10	10	4.86	T during day.
22			53.7	50.5	49.9	57.4	274	344	67	94	NW 2	Calm 0	10	10	0.80	
23			56.8	48.2	48.2	61.9	357	317	77	95	S 4	SW 1	10	7	0.40	
24			52.2	49.1	40.3	61.1	290	329	74	94	S 1	Calm 0	10	9	2.34	
25			52.9	48.4	46.6	57.9	359	315	90	93	WNW 3	SW 1	10	9	0.10	D 9p.
26			52.3	54.1	41.4	62.0	341	349	87	83	ESE 3	SW 3	10	10	1.85	
27			59.0	53.3	50.3	64.7	439	309	89	76	SSW 4	S 4	10	9	0.74	T 3p.
28			58.8	52.1	51.2	63.4	373	324	75	83	SSW 4	S 2	6	3	1.38	T 5a.
29			54.6	51.9	50.0	62.4	361	331	85	86	SW 1	S 1	10	2	0.59	6p.
30			55.4	51.1	46.8	61.3	329	350	75	93	S 3	Calm 0	10	10	0.12	
Mean	—	—	55.2	51.6	47.0	61.3	352	333	80.7	86.6	2.4	1.3	9.0	7.5	3.166	

## DUBLIN.

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

JUNE 1879.

1	29.593	29.641	50.2	48.8	46.4	54.7	253	277	70	80	NNW 3	NW 1	10	8	0.10	Cool air. [showers.
2	659	575	51.4	49.9	40.9	58.1	240	270	63	75	NW 2	SE 1	4	3	—	Cold night. Brilliant, with a few ☉
3	683	823	52.0	50.1	41.7	59.3	254	316	66	87	N 3	NW 1	4	8	0.275	☉ 2 sp. and 6p. Distant T.
4	899	915	51.1	52.3	46.0	57.2	256	312	69	79	WNW 3	Calm 0	10	8	—	Fine, but cloudy and cool.
5	868	780	57.2	51.7	44.1	59.8	276	290	50	75	ESE 2	SE 2	3	10	0.80	Brilliant a. Clouds came up from SW.
6	709	719	52.9	53.3	49.7	58.6	351	365	88	90	NE 2	ESE 1	10	10	1.63	Sunny with ☉ p.
7	612	539	52.9	53.9	51.1	56.9	381	395	95	95	SE 3	SE 2	10	7	4.77	☉ a. Finer from noon. ☉ 2 4.30p.
8	467	497	57.1	54.3	51.4	62.2	427	390	91	92	SE 2	SE 2	8	8	0.19	Warm and brilliant at times p. ☉ 3p.
9	586	29.777	57.0	55.3	52.0	62.1	408	405	88	92	E by S 2	SW 2	9	8	2.18	
10	944	30.019	57.2	53.0	53.0	61.7	397	340	85	84	SW 1	ENE 2	8	3	—	☉ 9a.
11	936	29.901	56.0	53.0	48.3	58.4	370	371	82	92	ESE 3	SE 2	10	3	1.50	Partial ☉ 7.30p.
12	29.925	30.033	56.3	55.3	48.0	62.2	409	372	90	85	E 2	ENE 2	8	4	—	Brilliant from 10a.
13	30.138	30.121	55.9	54.6	53.8	63.1	391	389	87	91	WSW 1	SE 1	10	9	0.33	☉ a.
14	30.024	29.900	57.2	56.3	51.1	60.4	399	424	84	93	SE 3	Calm 0	9	7	0.60	☉ p.
15	29.842	776	60.6	56.6	54.1	65.4	421	378	80	82	SE 1	E 1	8	4	2.76	Very warm and pleasant.
16	583	464	53.2	54.6	52.3	57.4	386	407	96	95	ENE 4	ENE 4	10	10	4.07	☉ 2 6a.—10a. [6.20p. Fine later.
17	519	602	55.3	54.5	52.1	60.6	405	357	92	84	NNW 3	NW 2	10	7	1.34	Cheerless a. Finer from 2p. ☉ 2
18	828	816	59.8	58.0	47.2	64.4	359	375	70	78	W 2	SW 1	4	3	—	Very fine throughout.
19	670	524	60.8	57.9	54.1	61.5	407	400	78	83	S by E 6	S 3	8	6	0.24	Squally a. and p. ☉ 2 5p. after
20	636	725	63.0	57.0	54.0	64.9	364	408	63	88	WSW 4	WSW 2	3	7	1.06	[which wind fell.
21	399	488	60.3	55.3	52.5	65.2	422	364	81	83	S 3	WNW 6	9	10	1.26	Bar. 29.328 at 3p. ☉ p.
22	799	853	57.0	52.9	50.7	61.6	306	346	66	87	WhyN 5	SW 4	6	10	0.16	a., with squalls.
23	684	507	57.4	53.1	52.0	59.6	347	351	73	86	SSW 4	SW 1	10	2	—	a. and p. [showers p.
24	489	522	57.7	52.9	48.6	61.5	296	310	61	77	WSW 4	WSW 3	4	6	1.24	Brilliant, after a cool night. ☉ 2
25	544	647	51.9	56.0	48.3	60.6	349	394	91	88	W 3	W 2	10	8	3.14	T to SW. and S. 2.45p. ☉ 2. Sultry
26	467	555	53.0	56.9	51.8	63.3	377	381	94	83	SE by E 4	WSW 4	10	7	0.98	[with ☉ in evening.
27	403	507	62.8	56.0	53.6	69.4	446	343	78	75	SSW 4	SSW 6	8	6	0.10	a. and p. Very warm a. Squally.
28	484	703	59.6	56.1	54.2	65.9	351	357	69	78	WSW 5	SW 4	8	3	2.21	a. and p. ☉ 2 p. Finer from 5p.
29	757	830	60.5	55.4	53.1	66.0	362	355	69	81	SW 4	WSW 3	8	9	1.66	Distant T 3.30p.
30	29.898	29.716	58.7	53.7	51.5	64.4	316	360	63	88	W by S 4	SSE 3	5	10	5.90	☉ from 8p. Squalls later. SE. ☉
Means	29.702	29.718	56.5	54.3	50.3	61.5	358	360	78.0	84.9	3.0	2.3	7.8	6.8	4.046	[with ☉ 2 from 10p.

## BIRR CASTLE, PARSONSTOWN.

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

JUNE 1879.

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.	48.8	46.2	45.7	57.1	ins.	ins.	74	83	NNW 4	Calm 0	10	9	ins.	
2	29.635	29.671	58.8	50.9	48.9	59.5	237	278	64	81	NW 1	NNW 2	2	1	—	
3	722	861	53.5	49.6	37.7	61.0	278	284	69	80	NNW 3	NW 0.5	7	9	—	
4	921	913	50.7	49.8	44.5	57.3	272	286	74	80	NNW 1	Calm 0	10	8	—	
5	841	749	53.8	52.2	39.4	56.4	246	278	59	72	ESE 3	NE 1	10	10	0.49	
6	697	675	51.8	56.4	47.0	61.9	324	377	84	83	NE 1	NE 1	10	10	2.11	
7	540	508	58.7	55.2	51.5	63.5	393	394	80	91	SSE 3	ESE 0.5	10	10	0.62	
8	440	485	57.2	53.5	51.1	59.8	406	378	87	93	Calm 0	N 1	10	10	0.64	☉ 2 showers.
9	603	798	52.1	53.6	50.0	57.5	362	361	93	88	WNW 2	W 0.5	10	10	0.05	
10	939	904	55.2	50.6	45.3	61.5	339	302	78	82	S 1	SSE 1	10	1	—	
11	878	29.875	54.0	49.6	43.9	61.4	340	304	81	86	ESE 3	Calm 0	10	1	0.44	
12	29.916	30.046	58.9	52.6	43.8	65.4	366	364	74	92	NNE 1	SSW 0.5	2	1	0.30	T 6.30p.
13	30.125	30.083	55.6	55.5	43.7	65.4	378	370	85	86	Calm 0	Calm 0	10	1	—	
14	29.964	29.908	57.6	55.4	50.1	65.3	358	381	75	87	SSE 4	SW 1	10	1	1.04	
15	825	735	61.4	58.3	51.5	64.2	393	431	73	89	SSW 1	Calm 0	9	10	1.03	
16	579	486	54.3	56.8	54.3	60.5	393	419	93	90	NNE 0.5	N 1	10	10	1.369	Steady ☉ all day, increasing in
17	561	729	55.4	54.2	54.0	62.0	419	369	95	86	NNW 4	NW 2	10	10	0.18	[violence towards evening.
18	820	720	60.3	56.3	46.9	67.5	388	375	83	83	Calm 0	SE 3	6	10	0.02	
19	553	488	58.6	54.0	54.0	62.0	446	371	91	89	SSE 5	SSE 2	10	2	1.07	
20	603	697	59.2	53.8	54.1	64.1	388	348	77	83	S 3	SSE 1	1	8	1.76	
21	339	615	58.7	51.4	51.3	64.5	412	303	84	80	SSW 3	SW 4	10	9	1.43	Many ☉ 2 showers, several of which
22	848	824	57.1	50.8	49.5	64.7	287	345	62	93	SW 4	S 3	9	10	0.76	[were preceded by T.
23	601	485	56.5	50.1	49.7	60.7	367	344	80	95	SSE 5	Calm 0	10	10	1.42	
24	477	531	53.8	48.8	43.0	58.1	301	309	72	90	WNW 2	SW 1	9	1	1.79	
25	591	654	53.7	50.8	45.4	63.5	349	331	84	89	WNW 1	SW 1	10	1	2.90	
26	590	526	55.0	53.8	48.3	61.5	415	338	96	81	SW 3	SSE 3	10	10	2.52	
27	302	435	60.7	51.8	48.3	64.1	443	336	84	87	ESE 4	S 4	10	1	1.09	☉ with ☉ 2 showers.
28	463	681	56.1	53.3	51.7	64.4	374	339	83	83	SW 4	SSW 4	9	2	0.48	
29	721	818	58.7	52.5	50.3	63.5	344	339	70	86	SW 3	SSW 1	8	3	1.08	
30	29.882	29.585	56.7	51.6	47.4	63.2	323	339	71	89	W 3	SSE 4	7	10	1.340	
Means	29.682	29.707	55.8	52.6	47.4	62.1	353	342	78.9	85.9	2.4	1.4	8.6	6.3	4.899	



## GLENALMOND.

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

JULY 1879.

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.	48.4	50.0	47.8	52.7	ins.	ins.	%	%	E 4	SW 2	10	9	ins.	Sudden change of wind. Incessant.
2	29.365	29.115	49.5	49.6	46.7	52.8	330	329	92	92	W 3	WSW 6	10	10	0.30	Rough and squally. [till 4p.
3	29.143	29.020	49.5	49.3	47.6	54.7	325	318	87	91	WSW 5	WNW 3	10	8	—	Rather squally.
4	29.329	29.541	54.8	51.2	48.0	57.8	325	304	76	81	WNW 3	WNW 3	8	10	—	
5	29.613	29.776	55.1	53.0	48.0	59.7	303	306	71	76	W 4	NW 4	8	7	—	Evening obs. taken at 9.30p. [8.30p.
6	29.826	29.677	58.0	51.3	50.7	63.7	340	357	71	95	SSE 3	SW 1	4	10	1.55	Brilliant summer day. ☉ set in at
7	29.463	29.383	54.3	50.0	49.7	58.4	303	314	63	87	WNW 4	SW 3	5	10	2.65	Bright and sunny, with frequent ☉ showers.
8	29.065	29.067	50.4	49.2	48.5	56.1	356	337	97	97	SW 2	Calm 0	10	3	1.23	Frequent ☉ showers. T in aft. ☉ op.
9	29.282	29.551	55.3	53.7	47.8	60.7	346	314	79	76	N 5	N 5	10	10	0.18	
10	29.750	29.865	56.7	49.6	49.4	61.1	300	259	65	73	NNW 5	NW 2	6	2	—	Exceptionally bright and sunny.
11	29.894	29.861	50.2	51.8	40.3	59.5	241	301	67	78	NNW 3	SW 1	10	8	—	
12	29.794	29.780	52.8	46.7	42.6	50.1	325	286	81	90	E 2	ENE 2	9	6	—	[in squalls] backing. ☉ from 6p.
13	29.692	29.662	53.5	50.6	46.0	58.1	309	320	76	87	E 4	NE 6	5	10	0.60	Sunny early a. Dull day. ☉ (force 7
14	29.709	29.827	53.6	48.6	48.3	53.6	332	317	80	93	NE 5	NE 3	10	10	2.43	Squally a. ☉ from 10a.
15	29.884	29.957	52.7	49.0	47.0	54.5	317	303	80	87	E 1	SE 0-1	10	10	—	
16	29.944	29.950	52.2	47.0	46.3	52.6	308	293	79	93	SE 2	E 0-1	8	10	—	Pleasant morning. Day dull.
17	29.950	29.998	50.6	53.8	45.5	59.0	327	388	89	93	E 1	E 0-1	10	10	—	☉ op. [3.30p. ☉ op.
18	29.027	29.008	59.1	55.7	49.7	65.0	421	423	84	95	Calm 0	SE 1	7	10	0.42	Lovely morning. Overcast in aft. ☉
19	29.891	29.750	54.4	53.8	51.0	58.5	421	409	99	99	E 0-1	Calm 0	10	10	0.437	☉ early a. ☉ 7.30a.—3p. ☉ op.
20	29.451	29.414	53.9	54.9	51.8	56.0	417	382	100	89	ENE 3	NE 3	10	10	2.00	☉ n., succeeded by dry ☉. Clear [at 2.30p.
21	29.570	29.651	54.6	53.8	51.9	59.9	375	360	88	86	NE 3	NNW 7	10	10	1.00	☉ from N., with ☉ and squalls, p.
22	29.726	29.884	58.1	57.0	53.4	68.5	356	346	74	74	NNW 8	NNW 1	8	1	—	☉ (force 8-9) with ☉ n., moderated [by noon. Day brilliantly sunny.
23	29.960	29.951	55.2	51.0	49.0	64.7	345	361	79	97	N 1	E 1	10	4	0.58	Overcast ☉. Lovely day. ☉ op.
24	29.891	29.946	55.3	49.7	48.3	62.8	423	313	97	88	NW 0-1	W 1	10	3	—	Lovely day throughout.
25	29.905	29.934	54.8	50.0	46.5	61.7	364	339	85	92	WSW 3	Calm 0	7	5	—	Lovely day throughout.
26	29.882	29.825	55.2	53.8	47.5	58.8	381	385	88	93	SW 2	S 2	10	8	0.10	[Evening obs. taken at 9.30p.
27	29.937	29.979	56.8	51.4	43.8	63.0	402	343	64	90	NW 2	Calm 0	6	10	0.42	Bright till noon, then dull, ☉ 9.30p.
28	29.879	29.940	54.0	50.7	51.0	60.8	412	430	99	93	Calm 0	W 0-1	10	5	0.35	☉ a. Bright and sunny from 11a. ☉
29	29.922	29.809	61.9	61.5	50.5	64.3	470	442	85	82	SW 4	SW 4	8	8	—	☉ before 9a. Rather squally p. [9p.
30	29.864	29.962	57.5	51.0	50.2	66.0	421	346	68	92	NW 1	NE 0-1	5	3	—	Brilliant day throughout. ☉ op.
31	29.916	29.718	51.2	51.0	46.0	52.0	374	374	100	100	ENE 2	ENE 3	10	10	0.20	Steady drizzling ☉ from 9a. ☉ op.
Means	29.693	29.706	54.2	51.8	48.1	59.3	347	341	82.6	88.4	2.8	2.1	8.5	7.7	3.439	

## DURHAM.

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

JULY 1879.

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	29.202	29.093	54.7	50.3	49.5	61.9	400	301	93	83	SE 1.3	S 2.0	10	7	—	
2	29.164	29.330	55.4	50.3	50.1	60.2	345	309	79	85	WSW 3.3	SW 1.4	5	4	—	
3	29.322	29.346	56.7	49.2	46.2	63.3	409	303	89	87	SW 2.8	SW 0.9	8	2	—	
4	29.424	29.598	58.1	51.4	46.4	63.2	331	312	69	82	WNW 2.0	W 1.6	10	9	—	
5	29.667	29.774	54.9	51.1	47.4	63.9	317	305	74	81	WNW 1.9	WNW 2.4	6	1	—	
6	29.853	29.656	60.8	52.9	49.6	64.4	363	399	69	100	NW 0.3	S 2.4	10	10	1.50	
7	29.523	29.370	57.4	51.3	50.6	65.7	313	347	66	92	W 1.7	SSW 1.9	7	10	1.00	Squally a. ☉.
8	29.135	29.083	58.4	52.7	50.5	63.0	357	326	73	82	SSW 3.3	SSW 0.1	3	5	0.30	
9	29.255	29.510	59.7	49.8	49.4	62.4	394	345	77	96	NW 1.7	NW 0.8	9	10	0.332	
10	29.729	29.868	55.2	50.1	45.6	57.1	306	326	70	90	NNW 2.0	NW 0.2	10	10	—	
11	29.655	29.865	61.7	48.1	48.1	63.1	331	366	60	91	S 0.4	Calm 0	10	10	0.30	
12	29.776	29.651	53.8	50.9	45.5	64.4	312	357	75	96	NNW 0.8	E 0.8	10	10	1.80	
13	29.517	29.528	53.2	51.6	50.6	56.8	371	377	92	99	NE 1.7	NNE 1.4	10	10	2.18	
14	29.356	29.719	53.7	50.7	50.4	65.2	392	368	95	99	NNE 0.8	NE 1.9	10	10	1.52	
15	29.863	29.933	49.0	47.3	45.6	53.2	338	292	97	90	N 0.7	NNE 0.5	10	10	—	
16	29.924	29.877	52.6	50.8	46.1	56.9	295	304	74	98	NE 0.2	E 0.7	10	10	—	
17	29.941	29.900	53.0	52.5	50.2	56.1	377	387	94	98	ENE 0.3	S 0.2	10	10	—	
18	29.003	29.021	60.8	56.3	50.7	67.3	422	436	80	96	S 0.8	SSW 1.4	9	10	—	
19	29.909	29.686	57.0	56.4	51.7	61.8	443	446	95	98	S 0.7	S 0.9	10	10	0.432	
20	29.313	29.260	56.5	53.6	53.5	60.0	457	397	100	97	E 0.4	NNW 1.4	10	10	0.340	
21	29.402	29.495	53.8	51.7	51.5	58.3	397	381	95	99	N 2.0	N 1.8	10	10	0.935	
22	29.693	29.913	59.9	51.2	49.5	52.9	359	345	97	92	N 2.4	N 0.8	10	10	0.030	
23	29.979	29.973	54.2	47.7	47.5	65.3	391	339	93	99	SSE 0.5	SW 0.2	10	0	1.08	
24	29.887	29.989	58.8	51.6	45.4	64.0	467	323	94	84	SW 0.7	Calm 0	10	0	—	
25	29.984	29.974	59.3	56.1	49.1	64.2	369	267	74	59	WSW 0.8	WSW 0.7	9	1	0.019	
26	29.905	29.893	56.3	53.2	49.0	62.3	424	388	93	96	SSW 0.7	SSW 0.2	10	9	0.70	
27	29.950	29.910	62.5	53.9	49.5	68.9	385	351	69	85	WNW 0.7	SSW 0.6	5	10	0.022	
28	29.954	29.909	66.8	60.2	53.0	73.3	506	456	77	88	SSW 1.4	SW 0.3	8	7	—	
29	29.973	29.865	71.9	63.0	58.6	74.8	503	551	63	96	SW 0.9	SW 0.7	4	10	0.060	
30	29.854	29.933	64.1	55.8	55.5	75.3	565	399	94	89	NW 0.4	NE 0.2	7	10	2.00	
31	29.857	29.717	57.0	61.8	53.7	64.3	459	527	99	96	E 0.5	SSE 0.5	10	10	2.60	
Means	29.690	29.709	57.4	52.7	49.7	63.0	390	365	82.9	91.1	1.2	0.9	8.7	7.9	3.980	

## DOUGLAS, ISLE OF MAN.

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

JULY 1879.

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.	52.7	51.0	49.1	54.8	ins.	ins.	90	98	SSW 4-5	WSW 6	10	10	ins.	☉ 2 in past n.
2	29.130	29.038	52.7	51.0	49.1	54.8	339	328	81	84	W 7	WSW 5	8	4	—	☉ n. and a.
3	29.282	29.356	54.0	52.0	50.3	58.4	339	328	81	84	W 7	WSW 5	8	4	—	☉ n. and a.
4	29.363	29.375	53.3	51.7	48.2	57.5	338	349	83	91	WSW 4	WSW 4	7	8	1.00	☉ n. and a.
5	29.521	29.690	54.5	51.5	49.4	57.4	342	341	80	89	W 6	WNW 5	9	7	0.55	☉ n. and a.
6	29.790	29.887	52.7	51.8	48.9	56.2	317	346	80	89	W 4	WNW 1	8	9	0.036	☉ n. and a.
7	29.883	29.662	54.7	53.3	48.8	55.0	331	408	77	100	W 3	WSW 2	10	10	0.705	☉ n. and a.
8	29.613	29.397	54.5	51.8	51.7	58.3	325	385	77	100	WSW 3	SW 3-4	6	10	1.02	☉ p. after 5p.
9	29.166	29.189	54.0	52.0	51.2	56.1	360	369	86	95	SSW 5	W 5	8	10	0.391	☉ showers after 11a. Squally ☉ p.
10	29.376	29.609	52.2	52.4	49.8	56.8	350	374	90	95	NW 7	NW 6-7	9	10	0.010	Squally ☉
11	29.809	29.919	55.0	54.7	49.7	57.8	362	367	84	87	NW 6	NW 7	5	5	—	Squally ☉
12	29.950	29.892	54.3	50.6	48.9	60.0	331	349	78	95	NW 3	Calm 0	7	9	0.015	☉
13	29.734	29.886	53.4	52.0	49.8	55.7	374	385	91	99	ENE 2	ENE 3	10	10	0.550	☉ ga.
14	29.529	29.514	56.5	51.5	50.9	57.9	398	359	87	94	E 5	NNW 4	7	10	0.065	☉
15	29.598	29.714	57.2	52.0	50.8	57.7	383	358	81	92	NE 4	NNE 5	10	4	0.010	☉
16	29.866	29.899	56.5	52.2	51.1	59.3	404	361	88	93	E 4	NE 1	6	3	—	☉
17	29.876	29.816	52.2	54.8	49.7	56.7	340	399	87	93	E 3	E 3	10	10	0.200	☉
18	29.887	29.755	56.5	56.3	53.2	64.4	401	430	88	95	E 3	Calm 0	10	10	0.010	☉ op.
19	29.622	29.988	59.5	54.3	54.3	64.1	441	443	87	98	E 1	Calm 0	10	7	0.060	☉ ga. ☉ a. and op.
20	29.892	29.733	54.2	54.0	52.4	55.3	415	448	99	100	SSW 3	Calm 0	10	10	0.860	☉ 2 p. ☉ 9p. and all night.
21	29.242	29.417	55.0	53.3	52.0	58.2	433	398	100	98	E 3	NW 7-8	10	10	0.944	☉ 2 ga. Squally ☉ p.
22	29.534	29.644	54.4	54.5	52.4	59.1	416	426	98	100	NNW 6	NNW 6-7	10	10	0.280	Squally ☉ a. and p.
23	29.794	29.929	55.2	51.1	51.1	59.2	387	342	89	91	NNW 6	NW 6-7	8	3	—	☉ a. and p., reaching force 8 at night.
24	29.039	29.991	53.7	54.7	49.4	59.8	376	391	91	92	NNW 3	Calm 0	10	10	0.165	Squalls a.
25	29.996	29.032	57.7	53.0	53.0	63.0	392	355	82	88	WNW 4	Calm 0	6	7	—	☉ 2 a. ☉ p.
26	29.016	29.972	55.7	54.7	52.1	59.6	390	379	88	89	WSW 3	NNW 1	9	7	0.430	☉ a. and p.
27	29.917	29.897	55.3	52.7	52.0	58.6	405	383	92	96	SW 1	Calm 0	10	7	0.005	☉ 2 early a. ☉
28	29.021	29.990	57.0	53.7	50.3	59.7	399	440	86	99	SW 2	SW 3	7	10	0.315	☉ a.
29	29.934	29.030	57.4	55.0	52.9	60.0	461	433	97	100	SW 3	SSW 1	10	10	0.023	☉ a. and p.
30	29.978	29.866	58.0	55.6	52.8	63.7	482	408	100	92	S 3	Calm 0	10	9	—	☉ ga. and before.
31	29.977	29.943	57.3	54.0	53.2	63.1	380	377	80	90	NW 3	Calm 0	7	10	0.185	☉ a.
32	29.788	29.695	54.5	55.4	52.3	58.3	410	439	96	100	ENE 3	S 1	10	10	0.637	☉ p. ☉ 2
Means	29.727	29.727	55.1	53.0	51.0	58.8	383	380	87.8	94.2	3.8	2.8	8.6	8.4	6.408	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## KELSTERN.

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

JULY 1879.

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	51.1	51.1	63.4	in.	in.	97	91	SSE 10	W 6	10	9	ins.	T a.
2	29.384	29.261	54.0	51.1	51.1	63.4	in.	in.	97	91	SSE 10	W 6	10	9	ins.	T p.
3	29.366	29.261	53.6	51.4	49.8	61.5	in.	in.	97	84	W 9	WSW 5	10	7	ins.	
4	29.445	29.261	53.5	49.9	47.4	61.4	in.	in.	97	86	WSW 4	NW 1	6	3	ins.	
5	29.511	29.261	54.4	51.7	46.6	62.3	in.	in.	97	83	W 4	W 3	9	9	ins.	
6	29.750	29.261	53.0	49.1	48.0	61.1	in.	in.	97	86	W 2	WNW 2	8	3	ins.	
7	29.898	29.261	56.6	54.8	45.9	65.8	in.	in.	97	86	WNW 3	SW 2	7	10	ins.	p. Very fine later.
8	29.593	29.261	54.9	52.8	52.7	66.2	in.	in.	97	81	71 W	WSW 2	7	3	ins.	
9	29.341	29.261	55.0	53.4	49.9	62.7	in.	in.	97	81	SW 5	WSW 5	10	8	ins.	a. and p. K 0.0 p. Squalls.
10	29.296	29.261	55.2	49.9	48.7	60.9	in.	in.	97	84	WSW 4	NW 2	9	10	ins.	Squally a. K 0.0 p.
11	29.711	29.261	51.9	49.0	47.7	60.7	in.	in.	97	86	NW 3	SE 1	10	10	ins.	T p.
12	29.916	29.261	54.1	50.9	45.1	57.3	in.	in.	97	88	NW 3	WSW 1	8	8	ins.	
13	29.805	29.261	57.9	54.8	42.9	60.1	in.	in.	97	94	ESE 2	SE 1	9	10	ins.	
14	29.486	29.261	59.0	52.1	51.6	64.5	in.	in.	97	93	SW 1	ESE 1	9	4	ins.	
15	29.520	29.261	56.9	53.7	50.9	61.7	in.	in.	97	88	E 1	NNE 2	9	10	ins.	
16	29.789	29.261	54.8	50.7	50.1	62.9	in.	in.	97	89	NNE 1	N 1	10	9	ins.	
17	29.941	29.261	51.5	48.9	47.9	55.9	in.	in.	97	100	NNE 1	ESE 1	10	10	ins.	
18	29.900	29.261	54.5	50.9	48.9	61.4	in.	in.	97	94	E 2	E 1	10	10	ins.	
19	29.076	29.261	58.0	50.2	50.0	63.4	in.	in.	97	95	ESE 1	SE 2	9	1	ins.	
20	29.997	29.261	61.5	60.2	50.2	67.6	in.	in.	97	95	ESE 3	SE 2	2	10	ins.	
21	29.440	29.261	55.7	55.0	51.3	65.5	in.	in.	97	96	SSE 6	WSW 3	10	10	ins.	
22	29.288	29.261	55.2	52.0	51.4	55.6	in.	in.	97	98	WNW 4	NW 5	10	10	ins.	
23	29.575	29.261	52.1	52.3	50.4	53.6	in.	in.	97	99	NNW 5	NW 4	10	10	ins.	
24	29.997	29.261	53.6	49.7	49.5	63.2	in.	in.	97	88	NW 1	W 1	9	0	ins.	
25	29.966	29.261	58.0	51.6	45.7	67.9	in.	in.	97	92	W 3	W 2	7	1	ins.	
26	29.049	29.261	58.6	52.2	47.8	66.0	in.	in.	97	91	W 3	WSW 1	6	1	ins.	
27	29.981	29.261	53.1	52.8	46.2	61.7	in.	in.	97	96	SW 1	WNW 1	9	10	ins.	
28	29.012	29.261	60.1	57.2	46.9	69.6	in.	in.	97	86	W 3	WSW 1	6	7	ins.	
29	29.067	29.261	58.0	51.6	45.7	67.9	in.	in.	97	92	W 3	W 2	7	1	ins.	
30	29.091	29.261	64.2	61.9	52.5	74.7	in.	in.	97	88	SSW 2	S 1	9	2	ins.	
31	29.888	29.261	68.1	58.7	56.2	75.9	in.	in.	97	91	W 1	S 2	4	9	ins.	
Means	29.741	29.761	56.8	53.3	49.4	63.7	in.	in.	97	90.4	3.1	2.1	8.3	6.7	3.256	

## LLANDUDNO.

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

JULY 1879.

1	29.150	29.130	56.4	51.2	51.0	60.6	358	345	79	92	S 4	S 6	10	10	636	Squally all day.
2	29.398	29.130	53.8	52.3	50.0	60.0	348	349	83	89	W 4	W 4	9	3	627	Squally a.
3	29.426	29.130	57.8	54.0	50.3	60.5	366	361	77	86	W 3	W 2	3	8	644	Very fine.
4	29.588	29.130	53.0	53.3	50.8	55.7	364	370	90	91	W 3	WNW 3	10	10	610	Dull and damp.
5	29.828	29.130	55.4	53.0	50.8	58.3	362	348	83	86	W 4	W 2	2	6	—	Fine.
6	29.929	29.130	54.1	55.5	50.7	57.0	365	345	87	97	W 1	S 0.6	10	10	260	
7	29.683	29.130	56.4	54.5	53.8	62.0	361	366	80	86	SW 1	W 5	9	10	684	Very fine, though windy.
8	29.234	29.130	58.4	52.7	52.3	60.7	386	378	79	95	SW 7	W 6	1	10	290	Windy. 2 in afternoon.
9	29.437	29.130	52.0	53.0	50.8	56.0	364	382	94	95	W 1	WNW 3	10	10	628	
10	29.859	29.130	54.0	51.7	51.2	58.0	361	355	86	92	NW 1	NW 1	10	2	—	Very fine.
11	29.984	29.130	56.0	54.0	50.0	61.7	364	358	81	85	WNW 1	NW 1	9	10	158	Very fine.
12	29.723	29.130	55.8	51.7	57.1	58.1	381	341	86	94	S 0.6	E 1	10	10	200	Dull and damp.
13	29.472	29.130	53.9	52.8	52.6	57.0	404	377	98	94	E 2	N 1	10	10	—	
14	29.562	29.130	55.8	53.6	51.2	60.7	421	385	94	94	N 0.6	N 1	10	6	—	
15	29.836	29.130	57.7	56.5	53.0	60.4	394	344	83	93	E 2	E 0.6	9	6	—	Very fine.
16	29.853	29.130	58.0	57.2	54.7	62.0	406	341	84	92	S 1	SE 0.6	10	10	—	
17	29.853	29.130	57.7	58.0	54.8	62.5	416	341	87	93	E 2	E 0.6	9	10	—	
18	29.021	29.130	62.8	61.0	57.0	64.5	475	345	83	91	E 0.6	S 0.6	10	0	675	Dull and sultry. 2 showers after 1.40 p.
19	29.936	29.130	54.8	58.4	54.8	63.8	409	349	95	90	SW 1	SW 1	10	10	180	
20	29.242	29.130	59.0	54.8	59.7	60.7	407	346	94	94	W 0.6	W 5	10	10	190	Wet and stormy all day.
21	29.530	29.130	55.0	54.9	53.4	55.5	409	340	94	94	N 1	NW 3	10	10	114	
22	29.789	29.130	53.2	52.8	51.5	55.7	379	366	94	91	NW 1	WNW 1	10	0	—	
23	29.059	29.130	53.8	56.4	51.4	61.7	361	396	86	87	W 2	W 1	10	10	130	
24	29.043	29.130	57.4	57.0	55.0	63.6	412	342	87	88	NW 1	W 1	3	8	—	Very fine. 2 at night.
25	29.067	29.130	57.9	57.2	53.4	64.2	404	343	84	86	W 2	W 1	9	9	380	Very fine.
26	29.952	29.130	55.0	55.3	53.2	63.1	409	349	94	96	W 0.6	W 1	10	7	120	a.
27	29.038	29.130	60.9	56.1	54.0	61.7	451	348	85	92	W 0.6	W 1	2	10	—	Dull and threatening.
28	29.028	29.130	66.3	65.0	56.0	71.7	562	347	88	73	W 2	W 5	4	8	—	Very fine, but windy.
29	29.009	29.130	65.3	62.0	61.8	74.4	514	344	84	93	S 1	WSW 1	9	6	—	Very fine.
30	29.928	29.130	57.5	56.5	56.0	62.0	416	340	88	89	WNW 0.6	N 0.6	10	10	174	Very fine.
31	29.774	29.130	60.5	61.0	55.0	67.0	505	342	96	89	W 1	S 0.6	10	10	230	T in the evening.
Means	29.749	29.763	57.0	55.7	53.1	61.3	406	340	87.2	90.5	1.7	2.0	8.3	8.0	3.330	

## BUXTON.

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

JULY 1879.

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.	53.9	49.9	46.9	56.8	in.	in.	95	90	SW	3	WSW	5	10	6	ins.	
2	29.373	29.247	53.9	49.9	46.9	56.8	in.	in.	95	90	SW	3	WSW	5	10	6	ins.	
3	29.415	29.247	49.0	47.9	45.9	57.4	29.5	29.308	85	93	W	4	SW	2	10	10	170	
4	29.511	29.247	48.9	48.9	46.1	60.2	29.321	29.296	93	86	NW	2	W	1	10	10	278	
5	29.534	29.247	53.7	49.7	46.1	56.4	29.325	29.306	98	86	W	2	NW	4	8	10	190	
6	29.819	29.247	49.9	49.4	45.9	54.7	29.297	29.279	83	80	NW	2	NW	4	10	10	—	
7	29.891	29.247	49.9	52.1	47.2	59.9	29.333	29.331	93	84	W	3	NW	3	10	10	500	
8	29.673	29.247	53.2	49.9	48.7	60.2	29.325	29.346	80	97	NW	4	W	3	9	10	090	
9	29.321	29.247	52.7	50.9	47.0	60.5	29.349	29.308	87	83	SW	5	SW	3	10	10	800	
10	29.368	29.247	48.5	50.1	46.9	58.1	29.331	29.306	98	84	NW	3	NW	2	10	10	410	
11	29.772	29.247	54.5	47.7	47.4	58.0	29.317	29.269	74	82	NW	1	NW	3	4	5	010	
12	29.967	29.247	48.4	45.9	44.9	56.2	29.299	29.290	82	95	NW	1	NW	1	10	5	—	
13	29.775	29.247	52.7	47.9	40.9	56.2	29.336	29.263	84	79	E	1	E	1	10	10	220	
14	29.483	29.247	57.4	52.2	47.9	62.1	29.357	29.364	75	93	E	1	E	1	9	10	195	
15	29.533	29.247	54.7	52.9	50.4	63.4	29.396	29.367	93	92	NE	1	NE	1	10	8	—	
16	29.837	29.247	52.7	49.9	48.9	53.2	29.334	29.333	84	93	N	1	N	1	10	10	—	
17	29.909	29.247	53.4	52.1	45.9	58.0	29.308	29.378	76	97	E	1	E	1	10	10	040	
18	29.013	29.247	53.3	53.9	48.9	63.1	29.384	29.381	95	92	E	1	SE	1	10	10	—	
19	29.091	29.247	52.9	56.9	49.3	64.4	29.362	29.427	91	92	E	1	SE	1	10	10	—	
20	29.983	29.247	58.3	55.7	53.3	62.5	29.443	29.379	91	86	SE	1	SE	1	10	10	420	
21	29.319	29.247	56.4	54.4	52.9	62.0	29.433	29.379	95	90	SE	1	NW	3	10	10	1280	
22	29.430	29.247	53.7	53.4	50.9	58.4	29.384	29.374	93	91	N	2	NW	3	10	10	590	
23	29.704	29.247	52.5	53.1	50.9	55.2	29.378	29.365	96	90	NW	2	NW	1	10	10	020	
24	29.050	29.247	49.7	48.9	47.9	57.4	29.335	29.321	94	93	NW	1	NW	1	10	4	050	
25	29.997	29.247	54.7	51.7	48.3	60.2	29.404	29.324	94	84	NW	1	NW	2	5	3	020	
26	29.071	29.247	55.9	49.4	48.4	60.2	29.412	29.327	92	93	NW	1	NW	1	5	2	—	
27	29.983	29.247	51.5	50.1	45.9	62.4	29.362	29.340	96	94	W	1	Calm	0	10	5	020	
28	29.037	29.247	50.1	56.9	54.7	49.5	29.345	29.371	75	87	NW	1	W	1	5	7	—	
29	29.082	29.247	63.2	59.3	51.6	71.3	29.503	29.421	87	84	W	4	SW	4	7	2	—	
30	29.081	29.247	64.2	64.6	53.9	70.6	29.407	29.529	78	87	SW	4	SW	1	8	8	050	
31	29.083	29.247	60.6	56.9	56.2	67.2	29.430	29.404	82	87	NW	2	NW	1	9	10	040	
32	29.892	29.247	59.3	59.2	55.6	66.8	29.472	29.449	94	90	SW	2	SW	2	10	10	290	
Means	29.770	29.787	54.1	52.2	48.7	60.5	29.368	29.350	87.5	88.8	1.9		1.9		9.2	8.2	6.483	



## UPPINGHAM.

Height above Mean Sea Level, 484 feet. Long. 0° 44' W. Lat. 52° 35' N.  
JULY 1879.

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	52.0	50.0	62.0	ins.	ins.	90	87	S 4	SW 7	10	3	ins.	[ceased 1.15p.
2	29.370	29.294	55.1	50.4	49.7	61.7	356	354	84	96	W by S 9	W 2	10	7	0.87	Rough night. 2 showers 11.30a.—
3	448	535	54.1	50.4	49.7	61.7	356	354	84	96	W by S 9	W 2	10	7	0.87	[9p. T 3.30p. K 6.25p.
4	462	457	54.1	49.9	47.8	61.0	376	338	89	92	SW 2	Why S 1	9	8	0.036	Rough 6.30a.
5	560	726	53.4	52.4	46.8	60.6	394	333	96	85	W 4	WNW 3	10	10	0.010	Wind backing, with falling bar. p.
6	802	879	53.2	49.7	46.7	61.0	320	295	79	83	WNW 4	SW by E 2	9	2	—	Squally a. 2. 2. p. T.
7	925	837	58.0	54.9	46.1	62.0	365	422	76	98	WNW 1	SW by E 2	9	10	—	Intense gloom 8.15a.—9a.
8	641	590	61.0	51.9	51.9	68.1	440	311	79	81	W 3	swb. W 3	8	7	—	Cloudless early a.
9	396	322	53.6	52.0	47.7	61.2	362	353	89	91	SWb. S 6	Why S 5	10	7	0.191	9p.
10	360	537	54.2	51.6	48.2	56.0	379	353	90	93	W by S 3	NW 4	10	10	0.269	2 11.20a.—1p. T 2.40p.—2.50p.
11	733	880	49.6	49.2	49.0	59.4	342	303	97	87	WNW 1	WNW 3	10	1	—	Frequent 2 showers.
12	947	931	53.3	51.0	44.8	59.6	317	336	77	90	WNW 2	WNW 1	9	7	—	a. Hot and muggy all day. 3p.
13	781	620	57.1	53.0	45.2	61.0	396	403	84	100	SWb. S 1	SSE 1	10	10	0.220	a. and 9p.
14	494	467	55.8	53.0	49.7	65.7	389	389	87	97	S 2	Why S 1	8	8	0.418	6.30a. and 9a.
15	488	608	56.0	54.0	51.5	64.7	405	418	90	100	W 1	NNE 2	9	10	0.100	Bright from 4p.
16	779	916	54.9	52.3	52.0	63.1	400	384	94	98	NNE 2	NNE 1	10	10	0.017	2 showers from 4p.
17	917	853	55.1	53.3	50.2	64.2	380	402	87	99	ESE 2	E 1	10	10	0.380	(from S) a. 2 till noon.
18	29.847	29.975	60.1	54.3	53.2	65.2	455	408	88	97	ESE 2	NE 2	10	10	0.460	Wind rising p. Continuous 2 p.
19	30.052	30.053	60.0	54.3	51.1	71.5	438	411	85	97	NE 1	Calm 0	10	7	0.012	6a.—9a. Fine and bright 1p.—8p.
20	29.990	29.857	60.2	58.6	49.6	67.6	447	470	86	96	SSE 2	SSW 2	10	9	0.384	Warm and bright p.
21	431	243	55.9	53.2	53.2	62.7	441	397	99	98	Why S 2	W 2	10	10	0.380	
22	342	429	54.2	53.3	52.0	56.0	406	396	97	97	SWb. W 4	NW 6	10	10	0.014	
23	29.599	29.856	55.0	52.1	51.4	55.9	383	371	89	95	NNW 6	N 5	10	10	0.068	
24	30.007	30.029	53.4	56.4	51.4	66.2	391	437	96	97	NNW 2	Why S 1	10	10	0.068	
25	29.994	30.132	57.9	52.3	51.0	68.5	450	354	94	90	Why S 2	W 1	10	6	—	
26	30.074	30.046	60.7	55.0	47.0	64.8	414	389	78	90	NW 2	Calm 0	10	7	—	
27	29.992	29.942	54.3	53.9	47.0	60.0	387	384	92	93	SSW 1	Calm 0	10	9	0.012	
28	30.032	30.006	61.3	57.0	49.6	67.6	435	428	80	92	WNW 1	swb. W 2	6	10	—	
29	088	30.128	64.9	60.9	53.5	74.8	522	504	85	95	WSW 3	Calm 0	9	0	—	
30	30.086	29.942	67.4	62.3	54.5	74.6	576	541	86	96	SSE 1	SSE 1	10	6	—	
31	29.887	29.931	69.1	63.5	57.1	74.3	533	532	76	91	WSW 2	WSW 1	8	10	0.050	
Means	29.756	29.772	57.3	54.1	50.2	64.1	415	395	87.9	93.4	2.6	2.1	9.5	7.7	3.381	

## OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.  
JULY 1879.

1	29.271	29.280	56.0	52.4	50.1	62.3	449	320	100	82	S 5	SSW 5	10	9	1.120	2 till 11.45a. all day.
2	460	524	54.1	51.8	49.4	61.4	309	338	74	85	SW 7	SW 5	9	9	0.060	all day. 2 showers after 11a.
3	442	484	56.1	52.0	48.1	61.9	349	315	77	81	SW 3	SW 3	5	10	—	
4	583	756	53.0	51.8	46.4	60.1	325	331	81	83	W 5	WSW 4	10	9	0.040	in afternoon.
5	821	916	55.5	51.2	47.2	57.7	303	335	69	89	W 5-6	W 2	8	10	0.280	Frequent 2 showers. Fair evening.
6	943	811	56.0	56.8	45.2	60.4	348	440	77	95	WSW-2-3	SW 2	10	10	0.150	
7	650	579	61.8	52.8	52.1	66.3	404	301	74	75	WSW 5	SW 4	5	6	0.030	[showers p. K 3.15p.—3.45p.
8	363	330	53.0	51.0	49.1	62.0	394	334	98	86	SSW 4	SW 5	10	7	0.290	2 6.30a.—10a. 11a. 2
9	397	592	54.0	52.1	48.8	57.1	363	339	87	86	W 5	W 3-4	10	10	0.120	Frequent 2 showers with squalls.
10	778	925	51.9	49.2	49.0	57.4	339	298	88	86	WNW 4	WNW 2-3	10	0	—	
11	965	927	53.9	53.0	44.8	60.4	387	335	70	83	WNW 4	Calm 0	10	9	—	Day fine.
12	703	576	54.9	53.1	50.0	59.5	379	405	89	100	S 2	ESE 2	10	10	0.080	T 2.45p.
13	493	459	56.0	52.4	49.1	65.1	391	382	87	97	ESE 1-2	Calm 0	9	5	0.380	2 showers from 9.15a.
14	503	638	57.0	53.2	50.9	59.1	405	388	87	96	NNE 2	NW 2	9	9	0.340	Frequent 2 showers. Much T p.
15	707	927	57.0	53.0	51.1	62.1	351	364	75	94	NNE 2-3	ENE 1-2	9	10	—	Fine afternoon with ∞.
16	600	834	53.0	56.1	47.4	62.1	363	427	90	94	ENE 2	ENE 1-2	10	10	—	
17	29.840	29.904	59.2	58.1	53.1	66.1	430	445	86	91	ENE 2	ENE 2	10	10	0.040	Fine afternoon, ∞ at first.
18	30.063	30.030	54.0	61.2	50.5	69.6	388	455	93	85	ENE 1	E 1	10	9	0.260	m. 2 showers. in aft.
19	29.964	29.847	62.7	57.3	54.4	65.8	494	418	87	89	S 3-4	SSW 4	10	10	0.430	all day.
20	355	309	58.0	56.0	53.8	62.2	454	422	94	94	S-SSW 5	NW 6-7	10	10	0.150	
21	423	517	54.0	55.0	51.3	57.2	391	392	94	91	WNW 7	WNW 6-7	10	10	0.030	
22	29.663	29.902	56.5	54.0	53.1	57.3	390	394	85	94	NW 5-6	NNW 3	10	9	0.090	Fine afternoon and evening.
23	30.033	30.044	54.0	55.7	50.0	69.0	339	378	81	85	NW 3	WNW 0-1	9	7	—	9a. Day fine.
24	29.998	30.093	60.0	53.5	52.5	68.8	460	344	91	84	SW 3	W 2	9	1	—	
25	30.078	30.052	58.0	54.6	47.5	64.9	383	336	79	79	SSW 3	WSW 0-1	10	9	0.010	
26	29.977	29.938	54.8	54.5	48.7	59.9	386	385	90	91	S 2	WSW 1	10	9	—	
27	30.029	30.096	61.6	55.9	46.1	67.1	406	364	75	81	WSW 3	SW 4-5	6	10	—	Day fine.
28	069	30.118	67.0	61.3	54.1	74.5	515	466	78	86	SW 4-5	SW 2	8	0	—	
29	30.063	29.905	66.0	67.8	55.2	75.3	503	569	79	84	SE 2-3	S 2	9	9	—	
30	29.901	29.926	64.9	61.5	56.9	70.2	512	480	84	88	WSW 2	SW 2	9	10	0.120	
31	29.870	29.788	60.0	60.3	57.1	68.4	518	480	100	92	S 3	S 3	10	9	0.170	2 till 11.30a. Fine from 1.15p.
Means	29.756	29.777	57.2	55.1	50.4	63.6	398	386	84.5	87.9	3.5	2.7	9.2	8.1	3.190	

## CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.  
JULY 1879.

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.	56.9	50.9	50.1	60.1	ins.	ins.	90	82	S 5	SW 5	10	8	ins.	Stormy.
2	29.261	29.290	56.9	52.0	48.2	60.1	434	394	82	79	W 5	SW 5	7	8	0.180	Rough.
3	442	539	51.9	52.0	48.0	58.8	304	318	70	82	W 5	SW 5	7	8	0.085	a. Fine and sunny. Threatening p.
4	453	524	54.7	51.9	48.0	58.8	328	336	77	87	SW 2	WSW 4	5	7	0.091	Cold.
5	654	805	52.2	50.2	48.0	58.1	358	331	92	92	WNW 5	WNW 4	8	6	0.028	a. Very dull.
6	902	950	51.9	51.9	48.0	56.1	311	312	81	81	W 4	SW 3	7	7	0.025	a. Dull but mild.
7	984	820	53.2	50.9	47.5	59.1	351	425	86	92	W 2	SW 3	10	10	0.144	a. Sunny a. and dull p.
8	710	588	55.9	51.5	50.5	60.1	364	297	82	78	WNW 3	SW 3	7	7	0.010	
9	339	357	56.9	51.1	50.0	59.3	352	311	76	85	SW 5	SW 5	5	8	0.245	
10	459	652	49.9	51.1	49.0	57.2	323	346	91	92	W 5	WNW 4	10	8	0.046	
11	29.857	29.982	52.3	51.9	50.0	59.4	331	336	84	87	WNW 3	W 3	7	6	0.002	a. Dull and mild.
12	30.005	30.047	54.2	53.9	48.3	62.1	390	362	73	87	NW 2	W 2	5	8		a. Fine and sunny.
13	29.762	29.762	56.8	54.0	52.9	50.0	58.1	388	375	93	ESE 3	SE 2	10	10	0.094	before ga. D. a.
14	466	507	54.7	53.1	49.0	61.3	362	401	85	99	E 2	NW 2	7	10	1.179	K sp.-gp. W. a.
15	545	702	53.7	51.1	49.5	61.1	375	346	91	92	SW 3	W 2	7	4	0.078	a. Fine.
16	844	940	55.9	55.9	49.0	61.3	345	389	78	88	W 3	NE 2	7	10	0.002	a. a. and p.
17	848	810	53.7	54.9	52.0	58.3	384	375	93	88	ESE 3	ESE 3	10	10	0.002	a. Mild.
18	29.881	29.986	58.6	59.0	53.0	60.1	413	464	84	93	NE 2	E 2	7	10	0.002	a. Mild.
19	30.051	30.055	60.0	62.0	55.0	68.0	440	483	87	87	E 2	WSW 2	8	8	0.005	a. Mild.
20	29.972	29.837	61.5	56.6	55.3	64.3	428	410	80	89	S 3	SW 5	7	10	0.372	a. and p.
21	334	436	56.1	55.1	53.1	61.1	461	386	91	89	S 6	W 6	10	7	0.125	before ga. D. mild.
22	523	627	54.4	56.1	52.0	57.2	358	362	85	80	WNW 5	NW 5	8	6	0.103	a.
23	29.741	29.973	57.5	53.9	52.0	60.3	366	367	83	88	NW 5	NW 2	7	4	0.002	a. Gloomy and dull. [D.
24	30.067	30.083	57.9	53.9	50.3	62.3	342	346	71	83	WNW 2	WNW 2	5	7	0.181	a. Threatening. Fine night.
25	023	129	58.8	54.4	52.4	65.2	424	340	86	86	W 3	W 1	8	1		a. Sunny. Roll. cum. at sunset.
26	30.105	30.082	55.1	52.9	50.4	63.2	340	352	79	88	W 3	W 0.5	10	3	0.038	a. Gloomy.
27	29.967	29.969	53.3	53.3	47.5	60.2	357	357	88	88	W 1	W 2	10	4		a. Dull a. Clearing p.
28	30.047	30.108	61.0	54.9	48.2	64.5	388	362	73	85	W 4	W 2	6	9		a. Sunny. Dull later.
29	081	30.126	67.0	61.0	54.0	73.5	494	465	75	84	WNW 4	W 1	3	2		a. Bright and hot. Mackerel sky.
30	30.030	29.908	68.2	64.4	57.0	71.7	465	482	67	80	WSW 2	WSW 3	5	4		a. Bright and sunny.
31	29.924	29.958	62.6	58.3	51.1	71.8	462	449	82	93	WSW 1	SSW 0.5	9	10	0.180	
Means	29.778	29.808	56.6	54.8	50.8	62.1	382	376	83.3	87.2	3.2	2.8	7.5	7.2	3.259	



## CHELTENHAM.

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

JULY 1879.

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.	57.6	57.0	52.0	62.6	in.	in.	85	85	SE 3	SW 6	10	10	ins.	2 a. Squally a. and p. Fine afternoon.
2	29.292	29.377	57.6	57.0	52.0	62.6	446	342	94	85	W 8	W 5	6	10	320	Squally a. and p. 2 at night.
3	549	595	57.8	57.0	51.0	61.6	382	325	80	81	W 8	W 5	6	10	320	showers all day.
4	442	557	56.6	53.5	48.0	60.0	328	336	71	82	W 2	W 4	6	9	010	
5	639	833	55.1	54.7	49.1	62.0	338	321	79	76	W 3	NW 2	10	10	030	
6	885	964	55.6	53.9	50.3	62.1	305	311	69	75	W 5	NW 3	10	10	010	Very fine day, with 0 showers.
7	964	853	56.2	56.9	46.6	61.0	335	413	74	89	NW 2	W 4	10	10	230	Very dull and showery.
8	693	644	55.3	54.2	54.0	65.5	365	322	63	77	W 4	SW 3	6	9	040	Very fine.
9	430	398	53.9	53.6	51.0	61.8	383	340	93	82	SW 5	W 4	10	6	150	
10	497	654	56.0	53.6	50.4	59.4	325	338	73	81	NW 4	NW 3	9	10	030	showers a. Fine afternoon.
11	29.826	29.970	56.3	53.6	51.6	61.6	345	315	76	76	NW 4	NW 1	10	9	—	Fine.
12	30.001	29.923	53.8	50.3	44.0	66.1	325	329	78	73	NW 1	NW 1	10	10	010	Beautiful day.
13	29.750	29.538	59.2	54.6	51.6	62.6	415	402	83	95	S 1	S 1	9	6	090	
14	441	473	58.2	53.4	50.5	63.8	364	347	75	85	S 2	S 1	10	10	1100	showers (very heavy).
15	528	657	53.8	54.6	50.6	64.0	388	405	93	95	W 2	W 1	10	10	220	
16	823	902	58.0	55.0	49.0	64.5	356	388	74	90	N 1	S 1	9	10	—	Very fine and pleasant.
17	889	801	56.4	56.5	52.5	64.2	399	389	89	85	S 3	S 1	10	10	010	
18	29.827	29.957	62.0	60.5	54.9	66.8	426	461	78	88	SE 1	E 1	7	10	—	T p.
19	30.039	30.012	62.8	63.0	56.0	73.0	434	469	77	82	SE 1	S 1	10	9	—	Splendid day.
20	29.979	29.868	63.6	63.0	57.4	65.5	465	420	79	87	S 2	W 1	10	10	310	
21	383	400	62.0	57.8	53.8	65.0	470	389	85	81	SW 5	W 6	10	10	480	showers all day, with
22	481	584	57.0	57.0	54.0	60.0	369	386	79	83	NW 5	NW 3	10	10	060	Squally p.
23	29.673	29.934	57.0	56.6	53.8	60.0	405	411	87	89	N 6	NW 3	10	10	010	Squally a.
24	30.062	30.057	57.0	58.0	51.6	71.0	377	450	81	93	NW 1	NW 1	7	8	170	Beautiful day. 2 at night.
25	035	127	62.6	56.2	54.0	67.4	483	402	85	90	W 2	NW 1	9	2	—	Lovely day.
26	30.103	30.033	59.2	55.0	45.5	63.4	415	382	83	89	NW 3	W 1	8	2	010	Fine, pleasant day.
27	29.969	29.960	56.6	52.5	47.2	63.0	394	386	85	98	S 1	NW 1	10	4	—	Fine, pleasant day.
28	30.079	30.128	62.0	57.6	45.1	66.0	439	400	80	84	W 1	NW 2	6	10	—	Very fine.
29	144	30.144	65.3	60.2	55.6	74.5	524	485	85	94	SW 2	Calm	5	1	—	Beautiful day.
30	30.067	29.909	66.9	64.0	54.8	77.0	572	528	87	89	S 1	S 1	6	5	—	Very fine and warm.
31	29.911	29.813	64.5	62.7	54.0	73.0	465	472	77	84	S 1	S 4	8	10	150	Very fine. 2 at night.
Means	29.783	29.807	59.0	56.5	51.5	65.1	405	392	80.8	85.4	2.7	2.2	8.7	8.4	3.610	a. Beautiful afternoon.

Observer remarks: Hay cutting very prevalent in the last week of the month; a good deal carried in fine condition.

## CARMARTHEN.

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

JULY 1879.

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	29.261	29.364	56.5	51.2	50.6	62.1	378	374	83	92	SW 6	W 4	9	10	150	Squalls with 2 a.
2	570	574	55.2	52.6	49.5	60.2	328	333	75	83	W 3	W 2	8	3	080	
3	462	566	53.3	52.1	48.4	61.4	336	339	82	86	Calm	W 1	10	7	070	
4	715	880	54.8	52.5	48.9	63.2	344	320	80	83	W 2	W 1	10	9	—	
5	932	982	57.4	52.3	50.1	61.7	306	373	64	95	W 1	W 1	7	6	090	
6	979	837	53.7	55.9	47.8	61.3	384	444	93	100	Calm	Calm	10	10	190	
7	720	600	57.9	54.2	49.9	62.8	381	358	80	85	W 1	SW 3	8	10	160	
8	392	443	55.2	52.1	49.4	61.8	373	342	86	87	W 3	W 2	8	3	050	
9	566	29.731	54.6	54.0	49.9	61.4	324	327	76	78	NW 3	NW 2	6	9	050	
10	29.900	30.008	55.3	53.3	51.5	62.1	340	352	78	86	NW 1	NW 1	10	8	030	
11	30.035	29.921	56.9	52.3	46.8	64.0	322	370	70	95	Calm	Calm	5	10	060	
12	29.727	304	55.2	54.9	51.8	59.3	406	422	93	98	Calm	Calm	10	10	160	
13	431	522	58.2	54.6	50.8	65.2	386	382	80	90	N 1	W 1	10	10	050	
14	582	729	52.1	53.7	50.1	65.3	373	378	96	92	W 1	Calm	10	10	—	
15	831	894	59.0	57.5	50.8	68.4	385	419	77	88	N 1	Calm	7	10	—	
16	837	657	57.3	54.0	51.6	60.2	378	388	81	93	SE 1	E 2	10	10	130	
17	810	29.946	60.3	58.7	53.6	70.4	425	412	82	84	Calm	Calm	10	4	020	
18	982	30.016	63.8	60.0	55.1	70.4	479	470	81	93	Calm	Calm	9	9	040	
19	976	29.837	57.3	56.4	55.0	65.0	439	456	93	100	W 1	SW 2	10	10	810	
20	383	571	57.5	56.1	53.8	60.0	449	362	95	80	W 3	NW 4	10	10	170	
21	614	703	54.9	54.9	53.0	61.8	374	410	87	95	NW 3	NW 4	10	10	130	
22	29.805	29.994	54.5	54.9	52.6	61.4	369	362	87	85	NW 4	NE 1	9	3	—	
23	30.095	30.089	58.5	55.7	51.8	65.0	378	412	78	93	Calm	SW 1	10	10	440	
24	089	147	61.4	53.4	53.4	66.2	406	379	75	93	NW 1	Calm	4	0	—	
25	30.119	065	57.8	54.1	51.6	66.1	364	386	76	92	W 1	Calm	10	10	070	
26	29.969	000	56.7	53.9	52.5	62.4	401	389	87	94	Calm	Calm	10	10	030	
27	30.073	107	61.2	54.9	53.4	65.3	428	430	80	100	SW 1	SW 1	9	10	050	
28	30.153	30.135	58.6	58.9	54.9	66.3	485	475	98	96	SW 1	SW 1	10	10	—	
29	29.997	29.933	71.6	58.7	57.2	75.8	522	477	67	97	S 3	S 1	5	5	050	Fine day.
30	926	920	60.2	58.0	55.1	68.4	456	451	88	93	SW 1	S 1	10	10	450	
31	29.796	29.763	60.3	59.2	54.8	64.2	507	491	97	98	S 2	SW 4	10	10	390	
Means	29.798	29.821	57.7	55.0	51.8	64.2	394	397	82.7	91.1	1.5	1.3	8.8	8.3	3.920	

## MARLBOROUGH.

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

JULY 1879.

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.	56.2	51.7	51.7	63.7	in.	in.	80	86	SW 3	SW 2	10	10	ins.	a. and p.
2	29.370	29.436	56.2	51.7	49.3	63.2	335	324	73	84	W 3	SW 2	9	9	378	a. Squally p.
3	598	655	56.7	51.7	49.3	63.2	335	322	91	87	E 1	W 1	10	4	090	Squally p.
4	461	587	51.8	50.7	48.1	59.9	353	322	92	91	W 1	W 2	9	8	021	
5	692	820	52.0	51.5	48.4	62.5	358	346	92	91	W 1	W 2	9	8	021	
5	29.912	29.997	55.7	51.7	49.5	60.3	304	329	69	86	W 1	W 1	9	9	026	
6	30.004	29.921	53.2	50.1	49.6	60.9	361	434	89	96	W 1	Calm	10	10	290	
7	29.755	29.683	57.8	52.8	52.6	65.2	441	308	92	77	W 1	SW 1	9	9	—	
8	501	480	54.6	52.5	48.3	61.0	342	360	80	91	SW 2	SW 3	10	10	251	p.
9	516	673	55.4	51.9	50.3	61.0	333	327	76	85	SW 2	SW 1	9	9	040	
10	29.818	29.972	57.1	51.3	50.0	64.0	345	293	74	78	SW 1	SW 1	9	1	—	T p.
11	30.013	29.968	58.4	55.4	44.0	65.9	312	382	64	88	W 1	SW 1	8	10	025	
12	29.787	29.585	57.5	53.7	51.1	60.4	379	386	81	94	SW 1	SW 1	9	7	130	
13	473	501	58.4	53.7	50.9	64.7	369	381	76	92	SSW 1	Calm	6	10	360	
14	565	657	53.8	53.4	51.6	60.9	366	385	88	94	SW 1	Calm	10	10	100	
15	810	719	58.5	56.5	51.1	64.7	384	397	79	87	N 1	Calm	9	10	—	
16	916	833	54.0	55.0	49.0	63.4	382	389	92	90	SW 1	S 1	10	10	020	
17	29.820	29.946	59.8	58.9	53.2	65.0	418	456	81	93	E 1	Calm	9	10	—	
18	30.044	30.053	59.9	62.4	58.3	71.0	424	507	83	91	E 1	E 1	9	9	190	
19	30.013	29.913	61.8	56.2	56.0	69.1	472	404	85	90	S 1	SW 1	10	10	710	
20	29.464	317	59.6	56.0	53.1	61.5	477	385	94	89	SW 2	W 5	10	10	390	p.
21	519	583	53.6	55.7	52.1	59.8	348	377	84	85	W 2	W 1	10	10	150	before 9a.
22	29.977	29.911	54.8	55.6	53.0	61.5	394	384	92	87	N 2	Calm	10	7	—	
23	30.071	30.108	56.7	53.3	52.9	70.8	370	365	81	90	N 1	N 1	8	1	027	
24	075	155	60.1	52.9	51.4	70.2	444	365	86	91	W 1	W 1	10	1	—	
25	136	30.104	57.8	52.0	46.8	64.9	381	348	80	90	W 1	Calm	9	1	060	
26	020	29.984	54.0	56.0	48.3	62.4	379	401	91	89	Calm	Calm	10	8	—	
27	096	30.170	59.6	57.4	48.1	69.7	369	389	72	83	W 1	Calm	10	8	—	
28	166	30.176	66.2	63.3	54.9	74.9	496	511	78	88	SW 1	Calm	9	5	—	
29	30.092	29.930	65.7	65.3	56.3	77.5	514	554	82	89	SE 1	Calm	9	0	—	
30	29.956	29.969	65.0	60.6	55.4	73.7	462	479	76	91	W 1	SW 1	8	10	220	
31	29.901	29.848	60.8	60.4	60.1	73.0	516	465	97	90	Calm	SW 1	10	9	593	
Means	29.814	29.836	57.6	55.3	51.5	65.2	395	390	83.0	88.5	1.2	0.9	9.2	7.6	4.103	



## RAMSGATE.

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

JULY 1879.

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	54.6	52.8	65.4	ins.	ins.	85	87	SE 7	SW 6	10	4	ins.	Squally a. and p.
2	29.614	29.483	58.9	54.6	52.8	65.4	29.614	29.483	85	87	SE 7	SW 6	10	4	29.614	Squally a. and p.
3	29.623	29.492	58.9	54.6	52.8	65.4	29.623	29.492	85	87	SE 7	SW 6	10	4	29.623	Squally a. and p.
4	29.632	29.501	58.9	54.6	52.8	65.4	29.632	29.501	85	87	SE 7	SW 6	10	4	29.632	Squally a. and p.
5	29.641	29.510	58.9	54.6	52.8	65.4	29.641	29.510	85	87	SE 7	SW 6	10	4	29.641	Squally a. and p.
6	29.650	29.519	58.9	54.6	52.8	65.4	29.650	29.519	85	87	SE 7	SW 6	10	4	29.650	Squally a. and p.
7	29.659	29.528	58.9	54.6	52.8	65.4	29.659	29.528	85	87	SE 7	SW 6	10	4	29.659	Squally a. and p.
8	29.668	29.537	58.9	54.6	52.8	65.4	29.668	29.537	85	87	SE 7	SW 6	10	4	29.668	Squally a. and p.
9	29.677	29.546	58.9	54.6	52.8	65.4	29.677	29.546	85	87	SE 7	SW 6	10	4	29.677	Squally a. and p.
10	29.686	29.555	58.9	54.6	52.8	65.4	29.686	29.555	85	87	SE 7	SW 6	10	4	29.686	Squally a. and p.
11	29.695	29.564	58.9	54.6	52.8	65.4	29.695	29.564	85	87	SE 7	SW 6	10	4	29.695	Squally a. and p.
12	29.704	29.573	58.9	54.6	52.8	65.4	29.704	29.573	85	87	SE 7	SW 6	10	4	29.704	Squally a. and p.
13	29.713	29.582	58.9	54.6	52.8	65.4	29.713	29.582	85	87	SE 7	SW 6	10	4	29.713	Squally a. and p.
14	29.722	29.591	58.9	54.6	52.8	65.4	29.722	29.591	85	87	SE 7	SW 6	10	4	29.722	Squally a. and p.
15	29.731	29.600	58.9	54.6	52.8	65.4	29.731	29.600	85	87	SE 7	SW 6	10	4	29.731	Squally a. and p.
16	29.740	29.609	58.9	54.6	52.8	65.4	29.740	29.609	85	87	SE 7	SW 6	10	4	29.740	Squally a. and p.
17	29.749	29.618	58.9	54.6	52.8	65.4	29.749	29.618	85	87	SE 7	SW 6	10	4	29.749	Squally a. and p.
18	29.758	29.627	58.9	54.6	52.8	65.4	29.758	29.627	85	87	SE 7	SW 6	10	4	29.758	Squally a. and p.
19	29.767	29.636	58.9	54.6	52.8	65.4	29.767	29.636	85	87	SE 7	SW 6	10	4	29.767	Squally a. and p.
20	29.776	29.645	58.9	54.6	52.8	65.4	29.776	29.645	85	87	SE 7	SW 6	10	4	29.776	Squally a. and p.
21	29.785	29.654	58.9	54.6	52.8	65.4	29.785	29.654	85	87	SE 7	SW 6	10	4	29.785	Squally a. and p.
22	29.794	29.663	58.9	54.6	52.8	65.4	29.794	29.663	85	87	SE 7	SW 6	10	4	29.794	Squally a. and p.
23	29.803	29.672	58.9	54.6	52.8	65.4	29.803	29.672	85	87	SE 7	SW 6	10	4	29.803	Squally a. and p.
24	29.812	29.681	58.9	54.6	52.8	65.4	29.812	29.681	85	87	SE 7	SW 6	10	4	29.812	Squally a. and p.
25	29.821	29.690	58.9	54.6	52.8	65.4	29.821	29.690	85	87	SE 7	SW 6	10	4	29.821	Squally a. and p.
26	29.830	29.699	58.9	54.6	52.8	65.4	29.830	29.699	85	87	SE 7	SW 6	10	4	29.830	Squally a. and p.
27	29.839	29.708	58.9	54.6	52.8	65.4	29.839	29.708	85	87	SE 7	SW 6	10	4	29.839	Squally a. and p.
28	29.848	29.717	58.9	54.6	52.8	65.4	29.848	29.717	85	87	SE 7	SW 6	10	4	29.848	Squally a. and p.
29	29.857	29.726	58.9	54.6	52.8	65.4	29.857	29.726	85	87	SE 7	SW 6	10	4	29.857	Squally a. and p.
30	29.866	29.735	58.9	54.6	52.8	65.4	29.866	29.735	85	87	SE 7	SW 6	10	4	29.866	Squally a. and p.
31	29.875	29.744	58.9	54.6	52.8	65.4	29.875	29.744	85	87	SE 7	SW 6	10	4	29.875	Squally a. and p.
Means	29.831	29.845	59.4	56.6	52.6	64.1	29.831	29.845	85.3	87.0	3.2	2.1	8.1	6.8	3.200	

## SOUTHAMPTON.

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

JULY 1879.

1	29.422	29.461	56.9	53.6	53.4	64.1	29.422	29.461	97	83	SW 8	SW 4	10	2	29.422	● <sup>2</sup> n. and a.
2	29.431	29.470	56.9	53.6	53.4	64.1	29.431	29.470	97	83	SW 8	SW 4	10	2	29.431	Squally p.
3	29.440	29.479	56.9	53.6	53.4	64.1	29.440	29.479	97	83	SW 8	SW 4	10	2	29.440	● <sup>2</sup> n. (very heavy 3a.)
4	29.449	29.488	56.9	53.6	53.4	64.1	29.449	29.488	97	83	SW 8	SW 4	10	2	29.449	Squally p.
5	29.458	29.497	56.9	53.6	53.4	64.1	29.458	29.497	97	83	SW 8	SW 4	10	2	29.458	Squally p.
6	29.467	29.506	56.9	53.6	53.4	64.1	29.467	29.506	97	83	SW 8	SW 4	10	2	29.467	Squally p.
7	29.476	29.515	56.9	53.6	53.4	64.1	29.476	29.515	97	83	SW 8	SW 4	10	2	29.476	Squally p.
8	29.485	29.524	56.9	53.6	53.4	64.1	29.485	29.524	97	83	SW 8	SW 4	10	2	29.485	Squally p.
9	29.494	29.533	56.9	53.6	53.4	64.1	29.494	29.533	97	83	SW 8	SW 4	10	2	29.494	Squally p.
10	29.503	29.542	56.9	53.6	53.4	64.1	29.503	29.542	97	83	SW 8	SW 4	10	2	29.503	Squally p.
11	29.512	29.551	56.9	53.6	53.4	64.1	29.512	29.551	97	83	SW 8	SW 4	10	2	29.512	Squally p.
12	29.521	29.560	56.9	53.6	53.4	64.1	29.521	29.560	97	83	SW 8	SW 4	10	2	29.521	Squally p.
13	29.530	29.569	56.9	53.6	53.4	64.1	29.530	29.569	97	83	SW 8	SW 4	10	2	29.530	Squally p.
14	29.539	29.578	56.9	53.6	53.4	64.1	29.539	29.578	97	83	SW 8	SW 4	10	2	29.539	Squally p.
15	29.548	29.587	56.9	53.6	53.4	64.1	29.548	29.587	97	83	SW 8	SW 4	10	2	29.548	Squally p.
16	29.557	29.596	56.9	53.6	53.4	64.1	29.557	29.596	97	83	SW 8	SW 4	10	2	29.557	Squally p.
17	29.566	29.605	56.9	53.6	53.4	64.1	29.566	29.605	97	83	SW 8	SW 4	10	2	29.566	Squally p.
18	29.575	29.614	56.9	53.6	53.4	64.1	29.575	29.614	97	83	SW 8	SW 4	10	2	29.575	Squally p.
19	29.584	29.623	56.9	53.6	53.4	64.1	29.584	29.623	97	83	SW 8	SW 4	10	2	29.584	Squally p.
20	29.593	29.632	56.9	53.6	53.4	64.1	29.593	29.632	97	83	SW 8	SW 4	10	2	29.593	Squally p.
21	29.602	29.641	56.9	53.6	53.4	64.1	29.602	29.641	97	83	SW 8	SW 4	10	2	29.602	Squally p.
22	29.611	29.650	56.9	53.6	53.4	64.1	29.611	29.650	97	83	SW 8	SW 4	10	2	29.611	Squally p.
23	29.620	29.659	56.9	53.6	53.4	64.1	29.620	29.659	97	83	SW 8	SW 4	10	2	29.620	Squally p.
24	29.629	29.668	56.9	53.6	53.4	64.1	29.629	29.668	97	83	SW 8	SW 4	10	2	29.629	Squally p.
25	29.638	29.677	56.9	53.6	53.4	64.1	29.638	29.677	97	83	SW 8	SW 4	10	2	29.638	Squally p.
26	29.647	29.686	56.9	53.6	53.4	64.1	29.647	29.686	97	83	SW 8	SW 4	10	2	29.647	Squally p.
27	29.656	29.695	56.9	53.6	53.4	64.1	29.656	29.695	97	83	SW 8	SW 4	10	2	29.656	Squally p.
28	29.665	29.704	56.9	53.6	53.4	64.1	29.665	29.704	97	83	SW 8	SW 4	10	2	29.665	Squally p.
29	29.674	29.713	56.9	53.6	53.4	64.1	29.674	29.713	97	83	SW 8	SW 4	10	2	29.674	Squally p.
30	29.683	29.722	56.9	53.6	53.4	64.1	29.683	29.722	97	83	SW 8	SW 4	10	2	29.683	Squally p.
31	29.692	29.731	56.9	53.6	53.4	64.1	29.692	29.731	97	83	SW 8	SW 4	10	2	29.692	Squally p.
Means	29.821	29.835	58.6	56.7	52.7	64.6	29.821	29.835	85.3	88.0	3.0	2.7	9.1	8.0	4.132	

## HASTINGS.

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

JULY 1879.

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	54.0	53.7	58.9	ins.	ins.	86	86	S 3	WSW 7	10	6	ins.	● <sup>2</sup> till p., then fine with p.
2	29.586	29.475	57.7	54.1	53.0	59.2	29.586	29.475	84	84	SW 7	WSW-SW 7	8	9	29.586	Fine with p. Cir.-s. appeared p.
3	29.536	29.565	53.7	51.9	51.5	57.6	29.536	29.565	80	80	SSW 5	W 3	10	1	29.536	
4	29.608	29.509	56.9	53.7	48.9	59.2	29.608	29.509	80	80	SW-WSW 6	WSW 5	10	3	29.608	
5	29.888	29.942	57.6	51.8	49.5	60.9	29.888	29.942	80	80	W 3	W 3	9	1	29.888	Fine, but ● <sup>2</sup> shower 11.45 a.
6	29.085	29.948	58.5	55.2	48.4	59.6	29.085	29.948	68	68	WSW 2	WSW 3	10	9	29.085	● <sup>2</sup> a. ● <sup>0</sup> p.
7	29.700	29.700	56.2	55.9	54.2	57.8	29.700	29.700	94	94	WSW 6	SW 6	10	10	29.700	
8	29.616	29.531	56.4	54.9	52.0	58.0	29.616	29.531	83	83	SW 7	WSW 8	10	10	29.616	● <sup>2</sup> all day with ● <sup>0</sup> at times. [showers.
9	29.532	29.639	57.2	51.1	50.6	59.0	29.532	29.639	86	86	WSW 7	WSW-W 3	6	2	29.532	Squally p. T between 2p. and 3p. ● <sup>2</sup>
10	29.760	29.911	57.9	55.1	49.0	62.8	29.760	29.911	87	87	WNW 2	WNW 0-1	7	5	29.760	Fine, but two or three ● <sup>2</sup> showers.
11	29.859	29.856	55.8	53.2	46.1	59.6	29.859	29.856	70	70	W 3	WSW 3	8	10	29.859	Overcast day.
12	29.892	29.657	57.3	56.6	52.4	59.0	29.892	29.657	85	85	SW 3	SSW 1	10	10	29.892	Wind backed to N.E. and N. at night [with ● <sup>2</sup> .
13	29.368	29.567	57.9	55.9	52.1	62.6	29.368	29.567	87	87	SSW 3	SW 5	5	10	29.368	Overcast day.
14	29.579	29.668	56.6	54.0	53.8	60.5	29.579	29.668	83	83	WSW 4	SW 4	10	1	29.579	
15	29.745	29.898	57.9	58.7	55.6	66.5	29.745	29.898	87	87	NNW 2	WNW 0-1	10	1	29.745	
16	29.932	29.880	56.2	56.5	53.6	61.8	29.932	29.880	92	91	SW 5	NE 0-1	10	10	29.932	Fine.
17	29.836	29.903	60.0	59.5	55.7	60.1	29.836	29.903	86	86	E 0-1	NNE 4	10	10	29.836	Very fine and warm till evening then
18	29.991	30.055	58.9	56.4	56.1	69.2	29.991	30.055	91	91	NE 3	NNE 3	10	6	29.991	Wet a., gradually cleared. [with ● <sup>0</sup> .
19	30.015	29.963	60.9	57.4	52.7	69.3	30.015	29.963	94	94	NE 2	WSW 3	10	10	30.015	Fine.
20	29.626	29.358	55.5	56.0	54.6	59.0	29.626	29.358	97	92	SW 6	WSW 8	10	10	29.626	
21	29.469	29.491	55.2	55.8	53.7	60.5	29.469	29.491	81	94	WSW 6	WSW 3	10	10	29.469	Squally p. all day, with ● <sup>0</sup> .
22	29.580	29.810	59.7	56.2	53.5	62.8	29.580	29.810	79	81	NW 3	NW 3	9	1	29.580	Wet a., gradually cleared.
23	30.003	30.093	58.9	56.0	53.5	64.4	30.003	30.093	77	94	N 4	SW 4	10	9	30.003	Fine.
24	29.096	29.114	56.6	54.5	53.9	60.9	29.096	29.114	95	96	SW 5-6	WSW 1	10	2	29.096	Wet a. Sea in aft., bright evening.
25	29.135	29.111	59.1	53.0	49.5	61.4	29.135	29.111	80	95	SW 2	W-WNW 1	9	1	29.135	Fine.
26	29.034	29.978	57.3	54.3	50.5	60.8	29.034	29.978	85	89	WSW 1	WSW 2	10	8	29.034	
27	29.070	30.176	62.7	56.0	49.8	64.0	29.070	30.176	74	88	SW 1	WSW 3	7	10	29.070	
28	29.201	30.205	58.7	58.0	55.1	61.4	29.201	30.205	94	97	SW 3	SW 1	10	10	29.201	Wet p.
29	30.121	29.933	65.9	60.0	53.3	74.4	30.121	29.933	79	77	SE 1	E 0-1	0	0	30.121	Fine.
30	29.030	29.991	68.3	60.0	57.2	70.0	29.030	29.991	80	98	S 1	W 2	1	10	29.030	Fine.
31	29.958	29.903	63.9	59.7	57.3	67.1	29.958	29.903	87	91	E 0-1	SW 1	10	9	29.958	● in morning, fine afterwards.
Means	29.831	29.838	58.5	55.9	52.5	62.5	29.831	29.838	83.2	89.3	3.4	3.2	8.7	6.9	29.831	



## BABBACOMBE.

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

JULY 1879.

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	56.8	56.7	56.5	ins.	ins.	90	83	WSW 4	WSW 5	7	2	ins.	Squalls a. and p. 5.30 p.
2	29.353	29.497	57.8	57.8	57.8	57.8	4.46	3.97	84	89	W 4	WSW 3	8	10	0.50	Squalls a. and p.
3	29.448	29.644	57.4	57.4	57.4	57.4	3.94	3.15	100	86	NE 1	WSW 3	10	2	0.40	till 11 a. D p.
4	29.784	29.936	56.0	56.8	56.7	56.9	3.48	3.12	77	84	W 4	W 3	9	1	1.50	Squally a. D p.
5	29.987	30.042	58.9	58.5	58.1	58.4	3.18	3.16	64	87	WNW 4	W 2	3	1	—	D p. Squally p.
6	30.006	29.933	58.3	58.4	58.1	58.8	4.25	4.18	88	97	WNW 2	WSW 3	10	10	0.60	D a. and p. Prismatic 0.30 p.—1.30 p.
7	29.795	29.739	59.8	59.5	59.4	59.6	4.69	4.01	91	76	WSW 4	WSW 2	10	9	0.10	in squalls a. and p.
8	29.540	29.552	54.3	52.7	51.1	50.4	3.70	3.31	88	83	WSW 6	WSW 5	10	8	1.20	Squalls a. and p.
9	29.647	29.709	56.7	53.9	50.2	51.4	3.40	3.30	74	79	WNW 5	W 3	9	10	0.10	Squalls a. and p.
10	29.914	30.040	58.7	58.8	58.1	58.5	3.51	3.48	72	83	NW 2	WSW 1	5	3	—	after 10 p.
11	30.050	29.940	62.2	62.9	47.6	67.0	3.38	3.93	64	98	W 2	SE 2	4	10	0.60	8.20 p.—10 p.
12	29.791	29.554	54.0	53.2	51.3	50.3	4.00	3.88	96	96	SSW 2	SW 3	10	9	3.30	2.40 p.—2.50 p.
13	29.440	29.550	58.8	58.8	58.7	58.6	4.53	3.74	91	90	SW 4	W 3	8	8	0.80	D p.
14	29.642	29.711	53.8	54.3	52.0	59.4	3.51	3.89	84	92	W 3	NW 3	9	4	1.10	D a. and p. 0.40 p.—4.15 p.
15	29.849	29.934	61.0	61.1	61.4	61.4	3.94	3.62	74	89	NNW 2	WSW 1	8	7	—	D n. 3.30 p.
16	29.871	29.743	55.4	54.0	49.9	55.8	3.96	4.18	90	100	SSE 3	SE 3	10	10	0.80	D a. and p. D p.
17	29.785	29.944	54.9	55.4	54.0	59.4	4.31	4.36	100	99	ENE 3	Calm 0	10	8	—	till 10 a. and after 8 p. 3.30 p.—4.15 p.
18	30.025	30.055	61.3	58.8	55.0	68.3	4.77	4.53	88	91	NNE 1	SW 1	9	3	—	early a. till 9 a. [Wind S. at 3 p.
19	30.006	29.911	62.8	61.1	54.8	65.7	4.72	4.34	83	96	SSW 2	SW 4	9	10	0.60	Squally a.
20	29.495	29.627	60.0	56.5	55.8	62.6	4.72	3.60	92	79	WSW 7	WNW 6	7	7	0.10	Squalls a. and p.
21	29.685	29.727	55.6	56.4	52.3	57.8	3.56	3.89	80	86	WNW 4	NW 4	10	10	—	Squalls a. and p.
22	29.770	29.970	56.6	55.8	54.6	64.7	3.67	3.69	79	83	NNW 5	NNW 4	8	2	—	Squalls a. and p.
23	30.086	30.143	63.5	60.0	52.3	70.6	4.06	3.84	70	86	SSW 1	SW 2	3	9	0.50	D p.
24	29.110	29.200	66.8	63.0	53.0	70.3	4.67	3.38	71	84	W 5	WNW 1	4	1	—	D ga. and p.
25	29.174	29.114	56.9	53.6	48.8	66.6	3.89	3.69	84	90	WSW 2	W 1	10	9	0.10	D to ga.
26	29.006	29.995	55.9	55.1	50.8	61.8	3.88	3.94	87	90	SSW 1	SSW 1	10	8	0.10	
27	29.138	29.187	58.3	55.9	49.8	65.8	4.06	3.85	84	87	SW 3	SW 3	10	10	—	
28	29.200	29.173	61.0	61.4	55.9	69.8	4.92	5.05	92	94	SW 2	SW 2	10	9	—	
29	30.052	29.948	56.1	58.3	55.8	64.2	4.51	4.59	100	94	ENE 2	W 2	10	1	—	
30	29.963	29.973	62.9	57.2	53.3	66.8	5.39	4.47	94	96	SSW 2	1	10	10	0.30	
31	29.876	29.830	58.4	59.0	57.1	62.6	4.79	4.83	99	97	S 3	SSW 3	10	10	0.10	
Means	29.844	29.874	58.3	54.6	51.9	63.6	4.13	3.82	85.0	89.2	3.0	2.6	8.4	6.8	3.550	

Observer remarks: Another cold, wet, and cloudy month, with frequent fogs. Only 9 dry days from May 26 to July 20. Butterflies very scarce.

## ST. AUBIN'S, JERSEY.

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

JULY 1879.

1	29.557	29.650	57.7	51.8	51.0	61.0	4.53	3.23	94	83	S 7	W 4	10	6	2.83	(gale) with squalls a. 7.25 p.
2	29.807	29.830	59.0	55.2	49.5	61.2	3.88	3.57	78	82	W 5	WSW 5	3	10	0.60	Squally 0.30 p.
3	29.580	29.735	57.5	53.3	52.2	60.6	4.55	3.54	96	87	SW 6	W 3	10	4	0.60	Squally a. and p. Temp. of sea, 59°.
4	29.882	29.920	59.9	53.5	51.9	62.3	4.08	3.51	79	86	Wby S 4	Wby N 3	4	5	—	Fair with cold wind. D p.
5	30.070	30.101	59.4	53.4	52.3	62.2	3.53	3.80	70	93	NW 2	NW 2	6	10	0.50	Very damp evening.
6	30.081	30.066	56.5	55.8	52.6	60.4	4.45	4.02	98	90	W 3	W 4	10	8	0.72	Scotch 3.00 a. Cold breeze.
7	29.947	29.843	57.1	56.0	54.5	59.1	4.42	4.40	94	98	SW 4	W 2	10	10	0.54	Scotch 3.00 from 5 p.
8	29.737	29.712	57.4	55.2	52.3	58.7	3.68	3.70	78	85	SW 6	WSW 5	10	4	0.67	all day. Squally p.
9	29.775	29.800	56.9	54.7	52.7	62.1	3.60	3.55	78	84	W 4	W 4	10	9	0.05	all day.
10	29.956	30.080	56.7	55.2	53.3	62.6	3.89	3.76	85	87	Wby N 3	Wby N 2	9	9	—	
11	30.118	30.042	58.4	55.4	54.1	63.0	3.94	4.19	80	95	W 3	S 2	9	10	0.54	Scotch 6.30 p. Bar. falling from 2 p.
12	29.869	29.676	58.4	53.6	52.8	63.3	4.18	3.78	86	92	S by W 2	SW 1	8	4	0.97	Warm sun. partly double, 6.45 p.
13	29.599	29.657	59.0	55.8	52.1	62.1	3.88	3.93	78	88	SW 5	SW 6	9	10	0.67	evening and night.
14	29.712	29.761	56.2	53.6	53.0	58.1	3.99	3.92	88	95	SW 3	SW 3	10	10	0.34	Gloomy and sunless. Very low max. temp.
15	29.874	29.984	57.6	55.2	53.0	63.2	4.10	3.98	85	91	W 2	Wby N 2	10	3	—	D evening.
16	29.919	29.809	56.7	57.8	59.2	59.0	3.71	4.36	81	90	S 3	SE 3	10	10	0.250	[and warm mid-day]
17	29.791	29.936	58.9	56.7	56.2	66.2	4.75	4.42	96	96	NW 1	N 2	10	10	0.002	Scotch 3.00 early a. and after 8 p. Fine
18	30.026	30.059	61.4	59.1	54.1	68.2	4.71	4.66	87	93	N 1	Nby W 2	10	9	—	Agreeably warm all day.
19	30.058	30.021	58.0	56.5	56.0	68.3	4.51	4.15	93	91	W 1	SW 2	10	10	0.124	early a. Warm.
20	29.724	29.741	59.2	55.5	54.9	60.9	4.90	3.92	98	89	SW 4	W 6	10	3	0.112	Scotch 3.00 a. force 6 to 8, during
21	29.778	29.785	56.2	56.1	54.1	59.8	3.70	4.10	82	90	W 5	W 5	10	10	0.002	force 6 to 8, wind very cold. Bar.
22	29.796	29.978	57.1	56.5	55.3	63.3	4.01	4.15	85	91	W 4	W 2	10	5	—	very steady all day.
23	30.123	30.208	61.1	54.8	54.2	66.6	4.24	3.63	79	84	NW 2	WSW 3	4	6	0.088	
24	29.207	29.235	55.5	53.5	53.0	62.3	4.29	3.82	98	94	SW 3	SW 2	10	0	0.005	Scotch 3.00 a. Cold breeze p. D.
25	29.319	29.159	59.0	53.5	50.9	65.6	3.83	3.70	77	91	W 1	Calm 0	9	0	—	D a. and p. Very fine p.
26	29.034	29.011	58.7	57.4	50.1	62.8	3.99	4.17	79	89	E 2	Calm 0	10	9	0.52	
27	29.158	29.262	60.1	55.3	54.7	66.2	4.43	3.95	86	91	NNE 1	W 1	10	9	0.003	Most summer-like evening of this year.
28	29.276	29.206	61.2	61.5	53.1	71.4	4.65	4.55	86	84	SW 2	NE 2	9	0	—	Extremely fine from 11 a.
29	29.028	29.966	70.6	62.2	59.1	79.4	4.84	4.78	65	86	E by S 3	NW 3	1	1	—	Hot summer day. Humidity 55 at 1.15 p.
30	30.055	30.031	59.8	63.3	55.4	67.3	4.86	5.26	94	90	SW 2	SE 1	10	10	0.100	Damp 3.00 from 6 a. Coloured 0
31	29.944	29.918	62.1	64.4	59.4	70.2	5.30	4.96	95	82	SW 3	SW 3	10	10	0.014	Fair and warm. 1.45 p.—2.15 p.
Means	29.926	29.947	58.8	56.2	53.8	63.8	4.24	4.05	85.4	89.3	3.2	2.7	8.7	6.9	1.570	

Observer remarks: I know of no authentic record of so remarkable a July. Month unseasonably damp, gloomy, cold, and windy.

## LONDONDERRY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

JULY 1879.

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.	55.2	51.8	48.0	59.3	in.	in.	93	92	E 2	NW 4	10	10	ins.	1.000	☉ <sup>2</sup> from noon.
2	29.018	29.063	53.7	51.9	50.0	56.8	3.17	3.21	77	83	W 5	SW 4	8	10	0.50	☉ showers with ☁ during day.	
3	29.268	29.332	53.7	50.8	48.7	59.2	3.32	3.36	80	90	SW 3	W 3	6	10	1.00	[Very unsettled.]	
4	29.562	29.756	52.6	51.1	50.0	59.8	3.50	3.17	88	84	NW 3	W 2	10	10	0.40		
5	29.823	29.935	53.1	52.3	48.6	59.6	3.31	3.41	81	87	W 3	NW 1	10	10	0.60		
6	29.856	29.968	52.9	50.5	50.2	59.9	3.36	3.43	84	95	SSE 1	SW 3	10	10	0.370	☉ noon—9 p.	
7	29.544	29.727	53.3	52.3	50.8	57.9	3.48	3.54	85	90	WSW 2	SW 4	10	10	0.370	☉ Constant ☉ from 4 p.	
8	29.979	29.724	54.3	52.2	50.5	57.5	3.40	3.66	83	94	WSW 5	W 2	10	10	0.350		
9	29.537	29.773	53.2	52.7	50.7	55.6	3.43	3.62	84	91	N 4	NNW 3	10	10	0.30	☉ Squalls all day. ☉ showers all day.	
10	29.951	30.004	54.0	52.1	50.5	57.5	3.22	3.32	77	84	NNW 2	NW 2	10	10	0.010	[Unsettled.]	
11	29.983	29.744	55.4	54.2	49.0	61.0	3.36	3.58	77	85	WNW 1	Calm	0	10	0.070		
12	29.698	29.663	50.3	52.0	52.7	50.9	2.90	3.78	64	95	W 1	ENE 1	10	10	0.380	☉ Constant ☉ all day.	
13	29.672	29.690	52.4	53.5	50.4	57.8	3.24	3.24	82	79	NE 2	NE 1	10	10	0.30		
14	29.744	29.555	52.2	53.7	51.0	63.4	3.57	3.62	76	87	NE 2	NW 1	4	1	—	Fine.	
15	29.906	29.890	58.7	57.7	46.4	60.0	3.68	3.46	75	85	WSW 2	Calm	0	5	10	—	
16	29.830	29.856	50.5	53.7	53.0	58.2	3.66	3.76	80	91	SE 4	E 1	10	10	0.040	☁ p.	
17	29.930	30.022	53.8	54.8	51.7	58.8	3.89	3.93	93	91	NE 1	Calm	0	10	0.010	☁ all day.	
18	30.042	29.947	57.8	57.1	53.0	67.0	3.95	3.46	82	88	Calm	0	N 1	10	10	0.240	☁ all day.
19	29.818	29.079	50.5	57.7	55.0	64.0	3.98	3.47	79	91	SSW 3	W 1	10	10	0.520		
20	29.416	29.590	54.2	53.8	53.8	58.2	3.46	3.89	97	93	NW 2	NW 3	10	10	0.340		
21	29.686	29.841	54.7	54.8	53.3	57.7	3.40	3.76	94	87	NNW 3	W 2	10	10	0.010	☁ a.	
22	29.979	30.076	53.5	52.2	51.8	67.0	3.45	3.42	84	88	NNW 3	W 1	10	10	0.010		
23	30.054	29.944	53.5	57.7	49.4	62.0	3.36	3.46	82	97	W 1	SW 1	10	10	0.210		
24	29.979	30.003	57.7	54.0	51.0	60.8	3.68	3.60	77	86	SW 3	WSW 2	10	6	1.20	☉ and squalls till noon, then fair.	
25	29.970	29.941	55.8	55.7	52.0	61.0	3.73	3.93	83	88	SW 3	SSW 2	10	10	0.060		
26	29.858	29.955	50.5	53.5	53.5	60.3	3.92	3.76	86	92	SW 2	SW 1	10	7	0.260	☉ <sup>2</sup> showers.	
27	29.999	29.869	54.7	57.8	47.4	60.2	3.66	3.40	86	80	SW 1	SW 3	10	10	0.220	☉ 10.30a.—11.30a. Fair afternoon.	
28	29.883	29.951	61.6	57.7	57.5	63.8	3.82	3.49	88	85	SW 3	W 1	10	10	0.040	☉ a. Fair p.	
29	29.814	29.797	65.0	56.1	55.8	67.1	3.46	3.45	76	91	S 4	W 2	10	10	0.140		
30	29.935	29.947	59.7	53.7	49.6	62.5	3.70	3.57	73	87	W 2	Calm	0	5	—		
31	29.826	29.736	57.8	53.5	48.2	60.0	3.69	3.62	77	89	NE 1	NW 1	10	10	0.450		
Means	29.705	29.755	55.8	54.2	51.1	60.2	3.66	3.76	82.0	88.8	2.4	1.7	9.3	9.3	5.530		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## DUBLIN.

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

JULY 1879.

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°0	50°1	49°7	57°4	348	331	77	91	WSW 6	WbyN 8	7	10	ins.	Squally a. and p. ● <sup>2</sup> from 4p.
2	424	460	50°6	52°2	49°1	60°1	314	316	68	81	W 4	W 4	6	5	379	Squally a. and p. ● <sup>2</sup> 2.30p. — [1.30p. K 1.30p.]
3	422	466	57°0	53°1	48°4	60°6	316	329	68	81	W 4	W 4	8	2	074	Squally a. and p. Sky clearing p.
4	637	832	56°0	52°3	50°6	59°5	331	331	73	84	WbyN 5	WNW 4	9	9	040	Squally a. and p. ● <sup>2</sup> 4p. Chilly.
5	896	982	55°8	53°9	49°9	58°6	301	316	67	76	WNW 5	WbyN 3	8	7	238	a. Wind moderated towards evening.
6	901	673	55°7	58°9	51°1	63°4	413	453	93	92	S 1	W 4	10	10	127	Warm, damp, dull day.
7	677	433	56°0	54°3	51°9	62°4	317	334	70	79	WSW 4	WSW 5	8	10	050	p.
8	196	330	56°7	53°3	52°0	61°6	344	341	74	83	WbyS 7	WNW 6	4	8	192	Squally a. and p. ● <sup>2</sup> 3.30p. ● <sup>2</sup> 4.45p.
9	551	29°745	55°2	54°2	51°3	58°8	345	355	79	84	NW 4	NW 4	10	9	013	Squally a. and p. ● <sup>2</sup> 11.30a.
10	29°945	30°029	57°0	54°2	50°8	62°4	309	313	66	74	NW 4	NW 3	7	6	—	Bright sunshine from 3p.
11	30°018	29°890	56°3	54°9	48°7	62°1	308	397	68	93	W 1	Calm 0	6	10	060	Very fine and brilliant a. ● from 8p.
12	29°711	565	57°0	54°0	53°4	58°2	422	394	91	94	ESE 1	NE 1	10	10	508	● a. from 4.30p. Wind backing
13	557	640	52°0	51°3	51°1	54°5	372	342	96	90	N by E 3	N 3	10	10	290	● <sup>2</sup> till 2p. ● from 7p. [slowly.]
14	663	802	53°7	54°3	50°0	57°6	384	382	93	90	N 3	N 2	10	9	039	—
15	902	905	55°0	54°0	51°9	60°7	354	363	82	87	N 2	SE 1	10	6	—	—
16	821	29°801	56°3	53°3	50°6	58°2	390	393	86	97	SE 3	E 2	10	10	280	Wind backing to E. p.
17	29°879	30°011	56°4	56°4	53°2	62°7	428	402	95	89	N 2	E 1	10	10	—	Wet a.
18	30°052	29°980	61°8	58°6	54°5	65°1	432	448	79	91	E 2	Calm 0	3	4	068	Warm with ∞. W. p.
19	29°880	722	59°9	60°1	54°8	65°4	402	483	78	93	SW 4	SW 2	10	8	463	Fine and warm a. ● <sup>2</sup> 4p.—5p. In-creased "audibility" late p.
20	330	604	56°1	55°2	54°9	61°6	421	355	93	82	WNW 5	NW 6	10	8	080	● <sup>2</sup> early a. Squally a. and p.
21	667	29°773	56°7	56°8	53°1	61°7	401	402	87	87	NW 4	NW 4	10	9	—	Squally a. and p. [force 7-8, p.]
22	29°905	30°043	59°0	56°9	52°9	64°3	354	357	71	77	NW 5	NW 4	6	8	—	Fine, dry day, with pleasant sunshine
23	30°090	29°986	54°5	59°8	52°2	66°2	332	466	78	91	W 3	Calm 0	10	10	040	Warm and close p. [at times.]
24	059	30°082	60°0	56°2	53°6	64°6	369	345	71	76	W 4	W 3	5	3	—	Dry and warm.
25	30°065	30°008	58°8	57°2	52°9	64°4	375	409	76	87	W by S 4	WSW 1	9	8	254	—
26	29°921	29°954	58°7	56°6	56°3	64°3	366	405	74	89	WSW 3	WNW 1	8	2	060	—
27	30°048	29°978	58°2	60°6	48°1	63°4	374	458	77	86	SSE 1	WSW 3	8	9	010	Brilliant a., after a clear, cool night.
28	29°983	30°017	66°1	63°7	60°3	73°6	479	471	75	79	WSW 4	WSW 2	7	3	—	Very warm a.
29	927	29°854	67°9	62°1	58°7	68°6	463	452	68	81	SSW 3	SSW 4	7	8	019	Very warm a. p.
30	969	948	58°6	56°7	52°4	63°6	355	381	72	83	WNW 1	S 3	4	10	120	Brilliant a.
31	29°768	29°713	56°8	53°8	58°4	63°4	396	437	94	94	ENE 2	NNE 1	10	10	252	W. a.
Means	29°772	29°787	57°4	55°9	52°3	62°1	371	386	78°7	85°8	3°5	2°9	8°1	7°8	4°187	

Observer remarks: A very inclement month, with frequent rains, high winds, overcast skies, and low temperatures.

## BIRR CASTLE, PARSONSTOWN.

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

JULY 1879.

1	29°123	29°314	52°1	50°8	50°0	56°9	336	319	86	86	WSW 5	SW 3	10	10	069	
2	491	489	55°7	50°6	48°0	59°5	319	322	73	88	NW 3	SSW 4	7	10	011	
3	449	524	54°8	50°6	47°2	60°7	327	317	76	87	WNW 3	WSW 5	9	9	038	
4	720	29°898	55°6	51°5	49°3	60°5	306	321	70	84	SE 3	WSW 4	10	10	011	
5	942	30°003	55°3	52°6	50°1	60°8	290	323	67	81	WSW 4	SW 4	10	10	328	
6	884	29°685	57°3	57°7	50°9	61°5	449	454	95	95	SW 3	WSW 4	10	10	186	● greater part of day, very little wind.
7	673	388	55°9	51°8	50°5	61°5	325	348	73	91	SW 4	SSW 6	9	10	203	Very dull a. Clearing at 9a, with
8	224	451	54°8	51°8	50°4	58°8	344	327	80	85	SW 6	W 5	8	10	105	Squally before 9a. [rather]
9	29°667	29°839	53°2	51°5	50°0	58°0	356	343	88	91	WNW 5	WNW 4	9	10	004	
10	30°001	30°068	54°9	53°3	48°1	63°0	338	329	79	80	NW 5	NW 2	10	7	—	Day very fine, wind having greatly
11	29°999	29°875	57°6	54°2	46°2	60°4	327	394	69	94	SE 2	Calm 0	6	10	209	Very close. [abated.]
12	685	577	54°8	53°8	52°6	58°9	397	379	92	91	Calm 0	Calm 0	10	10	093	Very close. Damp W. a.
13	605	698	51°6	51°5	50°0	54°9	351	335	92	89	NNW 3	NNW 2	10	10	059	
14	715	843	54°3	54°9	48°0	61°8	367	388	87	90	NNW 3	NNW 1	10	1	—	
15	912	868	54°3	56°5	46°4	66°4	351	386	83	85	Calm 0	SE 3	7	10	037	W. before 9a.
16	763	29°767	53°6	53°4	52°7	58°3	377	379	92	93	SE 2	NE 1	10	10	062	
17	29°894	30°017	57°3	57°5	52°5	62°4	413	439	87	93	NNW 2	Calm 0	10	10	—	
18	30°036	29°957	60°1	57°2	54°2	69°6	443	457	85	98	Calm 0	Calm 0	8	10	037	
19	29°842	099	59°4	56°9	56°4	63°8	436	424	87	92	SSW 2	SSE 1	10	10	380	
20	436	707	56°4	53°1	52°8	61°0	401	331	89	81	WSW 4	NNW 4	10	10	142	
21	771	29°869	56°8	54°8	51°2	59°5	385	389	83	90	NNW 4	NNW 5	10	10	—	
22	29°990	30°119	55°7	53°1	53°0	59°9	361	336	82	83	NNW 4	NW 3	10	10	—	
23	30°084	29°987	58°0	60°2	50°4	65°5	353	501	74	97	WSW 2	WSW 3	10	10	502	
24	076	30°103	59°3	53°0	51°0	63°8	355	333	71	82	WNW 4	SW 3	9	9	004	
25	30°059	29°996	57°7	54°8	51°2	65°4	379	389	80	90	SW 3	Calm 0	8	10	038	Two very strong currents of air run-
26	29°903	998	57°8	53°7	52°1	64°6	381	362	80	87	SSW 3	Calm 0	10	1	173	ning in opposite directions, namely,
27	30°031	059	55°5	60°8	44°6	61°8	378	509	93	96	SE 2	SW 3	10	10	031	upper from S.W., and lower from
28	29°976	997	63°9	60°7	60°7	65°5	470	491	80	93	SSW 3	SSW 3	10	10	131	N.E., at 3 p.m. Could not see any
29	890	867	64°7	56°1	55°0	67°6	479	418	79	92	SSW 3	SW 4	10	10	049	evidence of this continuing.
30	970	924	59°3	55°7	46°3	61°6	349	377	70	85	NW 2	Calm 0	8	10	023	An occurrence almost exactly similar
31	29°759	29°739	52°9	54°3	51°5	57°4	378	386	95	92	N 2	NW 3	10	10	078	to that of 25th inst., the difference
Means	29°793	29°814	56°4	54°5	50°8	61°7	372	381	81°8	89°1	2°9	2°6	9°3	9°3	5°003	being that the upper current was

from the S. and the lower from the N., at 6 p.m.

## LAUDALE.

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

AUGUST 1879.

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°8	54°0	50°6	60°2	in.	in.	%	%	W 6	W 6	10	10	ins.	a. and p.
2	29°725	29°944	55°6	58°0	47°0	61°5					W 6	Calm 0	9	0	°370	
3	30°102	29°940	56°0	54°2	42°8	68°0					Calm 0	E 2	6	10	°180	p.
4	29°788	*813	54°0	52°0	51°8	60°0					SE 1	Calm 0	10	7	°080	p.
5	*758	*657	56°4	55°0	51°1	63°2					SE 1	Calm 0	6	8	°140	
6	*542	*610	53°2	55°0	51°5	60°0					NW 4	NW 8	10	10	—	a. and p.
7	*666	*759	54°0	52°0	51°6	57°0					NW 4	NW 3	10	10	—	a.
8	*715	29°850	51°8	53°0	48°4	60°0					NNW 2	NNW 4	10	10	—	
9	*953	30°069	52°1	49°0	49°5	65°0					NW 3	SSE 1	7	6	—	
10	*982	29°941	54°0	57°5	44°5	63°5					SSE 2	SSE 1	2	10	—	
11	*921	*935	61°2	60°0	53°6	67°0					SSE 5	SSE 2	8	10	—	
12	*848	*742	67°8	70°1	60°8	71°0					SSE 4	SSE 2	2	9	10°340	T for an hour a. p.
13	*618	29°663	64°3	58°8	60°4	70°1	The Observations of the Wet-bulb Thermometer, for the whole of this Month, are unreliable. They have, therefore, been rejected.									
14	*970	30°103	57°5	53°8	55°0	64°0					SSE 6	SW 3	8	10	°060	a. and p. T for an hour a.
15	*964	29°859	62°3	66°8	44°5	70°2					SW 1	SW 1	10	0	°020	
16	*775	*665	63°1	57°0	50°1	70°0					E 1	E 1	0	0	—	
17	*537	*604	57°8	57°0	52°2	60°0					W 1	Calm 0	9	10	—	
18	*674	*720	60°6	59°5	49°1	65°0					W 2	Calm 0	8	10	—	
19	*725	*748	57°6	58°5	54°3	65°5					SSE 2	SSE 1	7	8	°040	
20	*568	*507	57°8	57°0	52°4	65°0					SSE 1	SSE 2	10	10	—	
21	*548	*426	59°7	57°6	51°2	62°7					SSE 3	SE 2	10	10	°140	a. and p.
22	*294	*436	56°0	55°1	52°8	62°3					Calm 0	SE 2	10	10	°130	a. and p.
23	*627	*742	59°4	54°5	51°1	64°0					S 2	WNW 1	7	7	°160	
24	*852	*688	58°0	57°1	54°5	65°0					NW 2	NW 2	9	10	°090	a. and p.
25	*374	*248	57°1	51°2	52°4	61°0					SW 3	SSE 4	10	10	°670	a. Very dense dark-blue clouds
26	*363	*496	54°8	52°1	49°4	61°2					W 2	Calm 0	7	9	°260	a. and p. [to W. moving from S.W. to SSE. a.
27	*286	29°094	52°7	52°0	49°4	59°8					W 3	Calm 0	6	5	°190	p.
28	*093	28°852	54°2	52°2	51°9	60°2					SSE 7	SW 6	10	10	°280	a. and p.
29	*282	29°646	55°0	51°0	50°6	57°3					SSW 2	SW 3	10	6	°780	a.
30	*709	29°767	52°6	51°2	45°0	56°0					SW 5	W 3	9	6	°100	a.
31	29°903	30°140	52°0	45°0	45°0	56°8					SW 2	SW 2	10	8	°200	a. and p.
											W 3	WNW 2	3	2	°070	
Means	29°681	29°705	56°8	55°6	50°8	63°0	—	—	—	—	2°8	2°1	8°1	7°8	4°300	



## DURHAM.

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























AUGUST 1879.

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.m.	10 p.m.	Min.	Max.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.		
1	ins.	ins.	61.0	51.0	49.9	67.1	in.	in.	76	82	W 1.3	SW 0.7	7	0	—	
2	29.719	30.046	61.1	51.0	49.9	67.1	401	306	76	82	WSW 0.8	Calm	0	4	10	
3	30.161	30.159	62.2	53.0	46.4	72.1	348	377	62	94	E 1.1	NE 0.4	10	10	10	K p.
4	29.785	29.863	57.6	55.0	51.5	60.4	401	433	84	100	S 0.8	SW 0.8	10	4	0.57	
5	78.1	57.3	56.9	54.8	52.0	60.9	445	409	96	95	SSE 0.8	S 1.4	10	10	2.30	
6	41.0	54.0	60.0	51.3	50.5	65.9	403	349	78	92	NW 0.5	SW 0.8	9	9	6.80	2 K p.
7	59.8	73.3	58.1	52.6	50.7	61.3	376	350	78	88	WSW 2.8	W 1.1	10	6	—	
8	78.0	80.2	58.1	45.0	44.4	65.1	331	260	69	87	WNW 0.5	W 0.3	7	8	—	
9	86.4	29.955	57.9	47.7	42.9	60.9	388	331	81	100	NW 1.1	NE 0.5	9	0	4.52	
10	99.7	30.035	58.3	51.2	42.6	61.3	371	358	77	96	NE 0.3	E 0.1	9	7	—	
11	98.8	29.991	67.6	60.2	48.6	76.1	473	505	70	97	S 0.8	S 0.8	0	0	—	
12	94.0	90.5	68.1	54.7	54.3	76.2	443	391	64	91	SSE 1.4	SSE 0.9	0	10	—	
13	81.1	29.849	63.0	60.0	53.0	64.1	474	508	82	98	S 1.4	S 0.7	10	10	2.15	
14	99.9	30.065	67.0	50.6	50.5	71.3	462	355	70	97	WNW 0.2	N 0.5	5	0	—	
15	95.4	29.831	63.1	55.4	47.4	60.9	428	391	75	90	S 0.4	Calm	0	9	7	
16	70.1	53.0	54.1	54.7	53.1	56.4	405	429	96	100	NE 0.5	NE 0.7	10	10	6.12	
17	41.0	54.1	58.2	53.5	53.5	62.0	454	401	93	98	NE 0.5	NNE 0.5	10	8	1.42	
18	55.5	71.7	56.9	52.7	51.7	63.4	421	396	91	99	NE 0.8	W 0.2	10	10	—	
19	76.9	72.0	59.3	58.0	49.4	66.3	423	451	84	93	ESE 0.4	SE 0.7	9	10	0.70	
20	54.6	57.3	58.2	56.1	54.5	70.0	473	421	98	93	S 0.9	SW 0.2	10	2	—	
21	59.7	44.5	60.2	54.0	52.5	61.5	447	409	86	98	SE 0.4	SSW 0.8	10	4	1.70	
22	40.8	60.4	62.8	54.6	54.0	63.2	538	378	94	88	SSW 2.8	SW 2.0	10	4	0.25	
23	74.6	82.2	61.4	49.1	48.9	69.0	364	334	67	96	SW 0.8	Calm	0	4	0	
24	91.7	80.0	65.7	53.5	47.2	71.1	402	334	64	81	WSW 0.8	SSW 0.8	4	5	0.08	
25	51.3	41.6	62.0	54.1	52.7	64.5	424	338	77	81	SW 2.4	SW 2.8	2	2	1.85	
26	38.7	54.9	54.1	54.6	47.6	62.1	274	373	66	87	W 2.3	W 0.8	4	6	1.20	
27	42.0	24.3	51.9	56.4	49.4	62.2	365	306	95	87	SSE 1.4	WSW 1.8	10	0	0.67	
28	26.3	05.3	57.8	54.9	51.1	63.0	386	320	80	74	SSW 2.0	SSW 5.4	8	0	0.23	
29	40.9	72.6	62.3	48.9	48.4	64.3	339	279	60	81	SW 2.8	WSW 0.7	7	0	—	
30	85.4	29.772	56.2	48.0	43.9	64.0	289	314	63	94	SW 1.7	SSW 0.5	7	7	1.50	
31	29.854	30.205	57.8	45.3	44.7	59.0	339	243	71	81	SW 0.9	SW 1.7	7	0	0.30	
Means	29.714	29.740	60.0	53.0	49.7	65.2	406	372	78.6	91.5	1.2	0.9	7.5	5.4	3.512	

## DOUGLAS, ISLE OF MAN.

Height above Mean Sea Level, 137 feet. Long. 4° 30' W. Lat. 54° 16' N.

AUGUST 1879.

	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	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	29.840	30.066	50.8	52.7	51.8	62.4	377	378	81	95	NNW 4	Calm	0	4	1	—	
2	30.173	30.089	59.6	58.3	46.1	60.4	381	332	75	68	E 2	NE 3	4	10	—	 $T^0$ in afternoon.	
3	29.929	29.835	56.4	56.3	54.8	60.9	405	454	89	100	E 3-4	ESE 1	10	10	0.75	 from <i>sp.</i>	
4	83.7	89.1	57.0	56.0	55.2	60.7	417	449	89	100	W 4	SSW 2	10	10	4.54	 <i>sp.</i> and <i>n.</i>	
5	76.5	54.8	54.6	54.7	51.2	58.0	409	425	96	99	Calm	0	WSW 1	10	10	1.880	 at intervals.  from <i>sp.</i>
6	56.0	67.3	51.4	50.8	50.6	55.8	375	347	98	93	WNW 5	W 4	10	10	5.40	 or  all day except 3-3.30p.—4.45 p.	
7	70.8	80.9	52.7	52.6	49.9	57.4	365	369	92	93	W 6	NW 1	10	9	—		
8	83.8	29.879	56.3	49.4	49.0	59.4	336	325	73	92	NW 3	Calm	0	7	10	—	$D$ a. $D^2$ p.
9	29.918	30.010	56.0	49.6	48.2	60.3	365	310	81	88	NW 5	Calm	0	6	3	—	
10	30.000	29.973	54.2	56.3	42.3	57.8	345	421	82	92	E 1	E 1	8	10	0.40	$D$ a.  $T^0$ $W^0$	
11	29.979	92.6	55.7	64.8	55.4	67.0	444	527	100	85	Calm	0	E 1	10	10	0.07	 $T^0$ a. $T^0$ in aft. $\angle$ <i>sp.</i> Quite clear, with wind force 3, 11 p.
12	86.8	76.5	60.0	61.0	57.2	66.2	459	496	93	93	E 4	ESE 2	9	10	0.10	 $\angle$ <i>sp.</i>  9.30p. $\angle$ 11p.	
13	29.724	29.840	59.6	55.6	55.5	61.8	476	431	89	93	SSE 3	SSE 2	10	7	2.03	$D^2$ p. $W^0$ 2p.—4.30p.	
14	30.041	30.099	59.6	48.8	48.4	63.7	415	341	81	98	WNW 1	Calm	0	8	0	—	$D^2$ p. $W^0$
15	29.961	29.811	61.3	57.8	41.1	66.0	451	452	83	94	ESE 2	Calm	0	3	9	0.15	$D^2$ a.  $D$ p.  $T^0$ at night.
16	67.2	57.6	58.7	54.5	54.3	64.8	435	414	88	97	E 2	NW 4	10	10	1.010	 $\angle$ <i>sp.</i> or  $T^0$ from <i>sp.</i> $T$ .	
17	48.3	54.8	53.4	53.2	53.0	54.5	397	397	97	98	NW 7	NW 6	10	6	8.04	 $T^0$ till 4.30p. $K$ 8.15p.	
18	63.1	69.6	58.7	53.3	49.4	62.7	477	399	84	96	NW 2	Calm	0	2	4	—	$D^2$ $W^0$ p.
19	75.4	66.0	56.9	56.6	49.8	60.9	418	420	91	91	S 1	Calm	0	9	10	0.86	
20	48.6	58.8	57.1	53.3	52.9	61.4	467	396	100	97	S 2	Calm	0	10	9	0.12	 $\angle$ <i>sp.</i>
21	57.3	42.4	60.0	56.3	53.2	61.5	441	444	86	98	SW 3	SSW 4	9	10	2.08	 $\angle$ <i>sp.</i>	
22	39.4	60.8	55.7	54.3	52.9	61.0	385	399	87	95	SSW 3-6	SW 2	8	2	0.25	Squally <i>ga.</i>	
23	73.9	83.8	58.6	54.0	52.3	62.4	402	376	82	88	SW 3	WSW 1	4	6	—	$D$ p.	
24	94.1	76.9	61.2	55.6	46.9	63.6	417	434	78	98	SW 2	S 3	4	10	1.124	 at night.	
25	53.8	38.5	58.2	55.0	51.8	60.2	393	383	81	89	SSW 6	SW 8	4	10	3.30	 a. and p. Squally.	
26	48.4	60.4	57.0	55.9	48.6	60.0	377	404	81	91	W 5	WSW 2	7	4	2.75		
27	29.1	29.7	52.6	56.3	51.9	61.2	395	366	100	80	SE 5	WSW 3-5	10	1	3.35	 till 1p. Bar. corrected, 29.196	
28	25.2	07.2	57.9	55.7	53.2	63.7	425	333	89	75	SSW 4-5	SW 8	9	10	0.75	 a. and p. Squally p.	
29	46.3	77.0	57.7	48.6	48.3	59.8	378	299	79	85	W 6	Calm	0	5	0	0.11	$D$ a. $D$ p.
30	83.1	29.739	57.7	49.9	41.1	59.8	348	294	73	83	SSW 3	WSW 1	4	8	0.15		
31	29.952	30.237	53.5	42.7	42.7	57.8	302	268	73	97	NW 4	Calm	0	3	5	—	$D^2$ p.
Means	29.730	29.742	57.0	54.2	50.3	61.1	401	389	86.2	91.8	3.3	2.0	7.3	7.2	6.524		

Observer remarks: A wet and cold month. Potato disease has assumed serious proportions. The prospect for the harvest is very bad.

## WAKEFIELD.

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

AUGUST 1879.

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.	65.2	55.7	54.8	65.7	in.	in.	76	84	WSW 5	W 2	7	2	ins.	Fine and bright all day.
2	29.771	30.066	60.0	56.5	47.3	68.6	362	379	70	83	W 2	ENE 2	4	10	2.00	
3	29.968	29.840	57.1	56.1	51.3	62.6	430	444	91	98	NE 2	E 1	10	10	0.80	☁ 4a. Dull and gloomy day.
4	*84.1	*96.7	63.1	58.8	55.8	65.6	472	378	82	77	SW 1	WSW 2	9	3	—	Close and heavy a. Fine and bright
5	*80.1	*61.5	58.6	55.7	53.4	61.0	437	415	89	93	W 1	SE 2	10	10	2.60	Dull and gloomy all day. [from 1p.
6	*50.6	*66.8	55.2	52.2	51.9	58.0	371	325	85	83	SW 4	WNW 3	10	10	1.20	Dull and gloomy. Air very cold.
7	*71.8	*78.6	54.2	54.5	50.9	58.2	357	357	84	85	W 5	W 4	10	8	—	Rough and wild n. Air cold.
8	*82.2	*84.6	57.6	53.2	52.2	63.3	345	277	73	69	W 3	W 3	7	3	—	Fine latter part of day.
9	*80.9	29.967	59.1	53.0	44.1	65.4	349	311	71	77	NNW 4	W 2	5	3	—	Fine all day. Air cool.
10	29.997	30.036	54.8	57.1	45.1	62.9	324	407	76	87	W 1	SSE 1	9	4	—	Fine and bright from 11a.
11	30.016	29.984	63.0	62.0	53.7	72.6	439	487	77	88	ESE 1	SSE 1	0	0	—	Very fine. Ground ☁ 9p.
12	29.973	*91.2	65.6	61.0	49.6	73.3	*451	*419	72	79	SSE 3	ESE 3	0	10	—	
13	29.836	29.861	62.0	63.4	55.2	65.4	*475	*562	86	97	SE 2	SSE 2	10	10	*190	☁ 10.45a.
14	30.028	30.008	62.0	62.8	56.3	71.4	*428	*472	78	83	W 1	SE 1	6	5	—	Fine and bright, but air cold and heavy.
15	29.995	29.849	62.9	62.9	56.6	69.0	*398	*406	69	82	ESE 1	SSE 1	6	2	—	Fine day.
16	*700	*565	55.3	58.1	54.6	68.8	*425	*449	97	93	ESE 1	WNW 1	10	10	*470	Dull and gloomy. ● 2 8.30p.—8.42p
17	*431	*504	56.2	55.1	54.6	65.1	*446	*401	99	92	NNE 1	N 1	10	6	*160	T 0.5p.—1.15p. < 9p.
18	*586	*678	59.0	55.1	47.5	64.6	*425	*416	86	96	NE 1	NE 1	10	0	—	
19	*791	*760	55.7	60.8	53.2	65.9	*415	*444	93	83	E 1	E 1	10	10	*090	
20	*545	*623	59.8	59.0	55.2	68.0	*482	*431	94	87	SE 1	WSW 1	10	1	*110	
21	*634	*479	60.4	57.3	54.6	61.4	*454	*416	87	88	ESE 1	SW 1	10	6	*180	
22	*469	*663	60.2	57.6	55.4	66.3	*457	*329	88	70	WSW 5	W 1	5	0	—	
23	*769	*844	61.1	53.8	51.3	70.5	*353	*362	67	86	SW 1	Calm	0	1	—	
24	*953	*861	58.5	58.5	47.9	60.2	*394	*367	81	76	W 1	Calm	0	3	—	
25	*615	*562	63.0	56.1	56.0	60.0	*360	*311	63	70	W 2	S 2	3	3	*090	☁ 1p.
26	*458	*549	53.2	57.1	50.2	61.8	*307	*396	98	85	SW 3	W 4	6	4	*210	
27	*461	*311	52.0	62.6	51.5	65.6	*358	*472	92	83	SSE 1	SW 3	10	7	*380	
28	*354	*254	59.0	59.0	56.4	60.8	*388	*328	78	66	WSW 1	WSW 7	10	9	*030	
29	*276	*780	58.3	53.2	53.0	64.6	*367	*328	76	81	WSW 5	WSW 5	8	2	*030	[very cold, 9p.
30	*903	29.831	56.2	50.8	47.6	63.6	*338	*323	75	86	WSW 2	SSE 2	5	3	*590	☁ 2 in S.E. 6.25p. Fine but cold 9p.
31	29.855	30.147	50.5	48.0	47.5	59.0	*333	*264	88	79	SW 2	W 2	4	2	—	Fine and bright, but still very cold, 9p.
Means	29.752	29.775	58.7	56.9	52.1	65.5	*404	*388	82.2	83.3	2.1	2.0	7.1	5.1	3.190	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## LLANDUDNO.

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

AUGUST 1879.

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°	56°	52°	60°	ins.	ins.	81	87	N	2	W	1	0	● 2 n. Very fine day.
2	30° 184	30° 080	59°	57°	49°	60°	385	386	76	81	W	0°	E	0°	0	● 2 n. Very fine day.
3	29° 871	29° 834	62°	61°	52°	67°	461	498	82	92	S	0°	SE	0°	0	● 2 n. Very fine day.
4	2883	2897	56°	56°	49°	64°	396	457	86	88	W	1	W	1	10	● 2 n. Very fine day.
5	763	579	57°	55°	55°	60°	447	422	95	95	SW	1	SW	0°	10	● 2 n. Very fine day.
6	648	732	54°	54°	53°	57°	382	335	92	78	W	3	W	3	10	● 2 n. Very fine day.
7	794	825	53°	55°	51°	59°	317	371	78	85	W	3	W	1	10	● 2 n. Very fine day.
8	860	29° 876	55°	53°	53°	58°	355	344	81	83	N	1	N	1	10	● 2 n. Very fine day.
9	29° 974	30° 027	55°	53°	48°	60°	349	344	81	84	NW	1	N	1	10	● 2 n. Very fine day.
10	30° 004	29° 962	57°	56°	47°	62°	362	441	77	84	N	1	E	0°	7	● 2 n. Very fine day.
11	29° 969	920	64°	66°	59°	70°	500	535	82	83	S	0°	SE	1	10	● 2 n. Very fine day.
12	795	773	65°	69°	61°	75°	505	520	82	73	E	1	S	2	6	● 2 n. Very fine day.
13	29° 714	29° 851	65°	60°	60°	71°	485	480	79	93	S	1	SW	2	10	● 2 n. Very fine day.
14	30° 062	30° 099	61°	54°	54°	66°	397	373	74	88	W	1	N	1	4	● 2 n. Very fine day.
15	29° 941	29° 816	62°	59°	50°	69°	382	436	69	88	S	1	W	1	0	● 2 n. Very fine day.
16	641	571	59°	55°	53°	63°	451	425	90	97	N	1	N	1	10	● 2 n. Very fine day.
17	522	573	53°	53°	53°	55°	388	393	95	95	W	3	N	3	10	● 2 n. Very fine day.
18	652	722	56°	54°	53°	62°	404	393	90	92	N	1	NW	1	9	● 2 n. Very fine day.
19	767	689	59°	57°	52°	63°	413	406	81	87	W	0°	S	1	9	● 2 n. Very fine day.
20	517	619	65°	56°	55°	67°	497	389	77	87	S	1	W	1	2	● 2 n. Very fine day.
21	612	459	58°	58°	55°	60°	410	397	85	82	S	0°	S	1	10	● 2 n. Very fine day.
22	431	681	57°	57°	52°	61°	366	386	78	83	W	3	W	5	3	● 2 n. Very fine day.
23	774	872	61°	60°	54°	66°	422	389	77	87	W	1	N	1	0	● 2 n. Very fine day.
24	971	821	62°	60°	50°	67°	416	366	75	70	W	1	W	2	0	● 2 n. Very fine day.
25	666	519	60°	57°	51°	63°	369	346	71	73	W	4	W	9	1	● 2 n. Very fine day.
26	532	666	55°	57°	50°	63°	371	422	85	88	W	2	W	2	9	● 2 n. Very fine day.
27	346	380	55°	58°	51°	63°	382	439	87	89	SW	7	SW	1	10	● 2 n. Very fine day.
28	320	221	56°	55°	54°	63°	403	397	89	90	W	2	W	9	7	● 2 n. Very fine day.
29	532	831	57°	53°	53°	61°	377	364	81	89	W	4	W	2	10	● 2 n. Very fine day.
30	883	29° 802	58°	54°	48°	62°	342	322	69	76	W	1	W	4	5	● 2 n. Very fine day.
31	29° 999	30° 275	55°	52°	50°	60°	313	311	73	79	W	3	W	1	0	● 2 n. Very fine day.
Means	29° 756	29° 776	58°	57°	53°	63°	400	402	81°	85°	1°	7	2°	6°	5°	6° 845

Observer remarks: The rainfall of 16th and 17th—3·67 ins. in 24 hours—is unprecedented. The average for the Month for 18 years is only 2·40 inches.

## BUXTON.

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

AUGUST 1879.

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° 829	30° 107	53°	49°	47°	60°	382	321	93	90	NW	3	NW	2	10	● 2 n. Very fine day.
2	30° 212	30° 148	57°	52°	40°	67°	342	315	73	79	WNW	3	SE	4	5	● 2 n. Very fine day.
3	29° 934	29° 915	53°	54°	47°	59°	386	427	93	100	E	2	SE	1	10	● 2 n. Very fine day.
4	881	30° 003	57°	52°	52°	62°	430	386	91	97	W	4	W	1	10	● 2 n. Very fine day.
5	867	29° 639	55°	53°	51°	60°	410	374	96	90	SW	2	S	3	10	● 2 n. Very fine day.
6	573	714	55°	50°	48°	55°	412	305	95	84	W	5	W	5	10	● 2 n. Very fine day.
7	789	844	48°	51°	46°	57°	305	322	91	86	WNW	4	NNW	1	10	● 2 n. Very fine day.
8	781	29° 875	53°	49°	47°	60°	355	304	87	85	WNW	3	NNW	2	8	● 2 n. Very fine day.
9	29° 918	30° 016	53°	49°	43°	59°	295	318	73	89	W	3	W	2	5	● 2 n. Very fine day.
10	30° 017	29° 939	57°	54°	44°	64°	298	348	63	81	N	1	NE	1	2	● 2 n. Very fine day.
11	30° 002	30° 007	64°	57°	52°	67°	441	451	73	93	E	2	SE	1	3	● 2 n. Very fine day.
12	29° 900	29° 901	65°	58°	54°	71°	433	353	69	72	SE	3	SE	1	2	● 2 n. Very fine day.
13	29° 815	29° 900	61°	58°	53°	65°	453	453	82	93	SE	1	NW	1	10	● 2 n. Very fine day.
14	30° 080	30° 103	58°	55°	52°	66°	425	386	88	87	N	1	W	1	8	● 2 n. Very fine day.
15	29° 996	29° 890	57°	55°	52°	63°	375	401	79	92	NW	1	E	1	10	● 2 n. Very fine day.
16	687	569	54°	55°	52°	57°	424	424	96	98	NE	1	E	1	10	● 2 n. Very fine day.
17	434	552	53°	52°	50°	56°	396	378	96	96	NE	1	SW	2	10	● 2 n. Very fine day.
18	625	749	54°	52°	46°	59°	361	381	84	95	NNW	3	NW	1	6	● 2 n. Very fine day.
19	803	775	55°	53°	47°	61°	358	374	82	93	NW	3	SW	2	7	● 2 n. Very fine day.
20	600	668	53°	56°	51°	63°	375	431	93	94	W	1	SW	3	10	● 2 n. Very fine day.
21	655	550	55°	55°	52°	64°	374	418	86	93	W	1	W	4	10	● 2 n. Very fine day.
22	501	720	56°	57°	50°	59°	345	403	76	86	SW	5	NW	4	5	● 2 n. Very fine day.
23	808	876	59°	52°	48°	66°	349	343	70	86	WSW	3	WSW	2	4	● 2 n. Very fine day.
24	983	900	60°	53°	45°	67°	379	351	73	85	NW	1	W	1	4	● 2 n. Very fine day.
25	637	609	56°	52°	50°	62°	295	319	64	81	W	4	NW	3	3	● 2 n. Very fine day.
26	580	703	50°	53°	46°	59°	325	373	90	92	NW	5	NW	4	8	● 2 n. Very fine day.
27	541	381	49°	56°	47°	60°	336	430	95	93	SW	2	NW	3	10	● 2 n. Very fine day.
28	411	298	53°	52°	51°	61°	389	351	94	88	WSW	3	W	5	10	● 2 n. Very fine day.
29	536	842	53°	48°	47°	60°	344	303	83	89	W	4	W	2	10	● 2 n. Very fine day.
30	933	29° 896	53°	48°	43°	60°	277	306	67	91	W	3	SW	2	4	● 2 n. Very fine day.
31	29° 980	30° 312	45°	49°	44°	56°	276	211	91	72	NW	3	NW	1	10	● 2 n. Very fine day.
Means	29° 786	29° 822	55°	53°	48°	61°	365	363	83°	88°	2°	6	7°	5°	6°	8° 220

## HILLINGTON, NORFOLK.

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

AUGUST 1879.

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.	M n.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	65°	54°	54°	70°	in.	in.	95	94	SW	1	NW	0°	10	ins.
2	29° 815	30° 056	66°	55°	46°	70°	537	394	95	94	SE	3	ENE	4	1	002
3	29° 185	30° 113	66°	55°	46°	70°	477	384	74	87	SE	3	ENE	4	1	710
4	29° 903	29° 881	64°	62°	53°	71°	512	570	85	100	SE	4	SE	0°	5	—
5	891	30° 003	65°	54°	54°	69°	526	425	86	99	SW	3	WSW	0°	5	—
6	937	29° 721	58°	57°	49°	67°	428	437	89	91	SW	3	SW	1	10	050
7	660	732	59°	54°	50°	63°	399	357	78	85	W	5	W	3	6	—
8	787	819	54°	54°	52°	65°	330	360	77	86	W	3	W	0°	5	—
9	840	790	60°	57°	44°	68°	407	424	77	92	WNW	1	NW	1	4	005
10	29° 850	29° 968	56°	53°	50°	65°	327	391	71	96	NW	3	W	0°	5	—
11	30° 027	30° 047	55°	52°	44°	66°	364	371	84	93	NW	1	SE	2	8	—
12	30° 030	30° 020	68°	56°	52°	76°	501	425	72	94	SE	1	SE	2	1	—
13	29° 997	29° 925	68°	54°	52°	73°	522	416	76	98	SE	2	SE	4	0	—
14	29° 871	29° 887	68°	54°	53°	74°	520	539	75	99	SE	5	SE	1	6	036
15	30° 004	30° 064	67°	60°	56°	72°	526	548	83	97	E	2	NE	1	5	—
16	29° 980	29° 841	65°	57°	54°	73°	524	477	84	100	NE	1	E	1	7	010
17	670	547	62°	57°	56°	71°	505	465	90	100	E	1	S	0°	5	—
18	447	519	57°	53°	50°	66°	422	391	90	96	W	2	SW	2	8	038
19	615	718	57°	50°	50°	76°	428	371	91	100	SW	2	SW	0°	5	030
20	815	800	59°	50°	45°	69°	462	483	93	95	SW	0°	S	1	9	772
21	646	662	62°	63°	57°	68°	556	522	100	97	SW	2	WSW	4	10	068
22	713	594	64°	59°	59°	69°	533	461	89	91	S	4	S	1	10	036
23	627	785	63°	57°	52°	68°	541	409	77	89	SW	7	SW	4	5	003
24	841	812	61°	52°	48°	66°	447	400	83	100	SW	1	S	0°	5	005
25	957	938	63°	55°	49°	72°	453	431	76	98	WNW	0°	SW	1	8	000
26	711	697	64°	54°	53°	68°	466	382	77	92	SW	6	W	5	4	018
27	549	688	56°	55°	51°	62°	381	418	83	95	WSW	6	W	5	10	030
28	665	373	54°	62°	52°	62°	409	533	98	95	S	3	SW	5	10	030
29	491	440	53°	55°	53°	66°	394	378	95	86	SW	3	WSW	4	10	050
30	606	824	60°	55°	54°	66°	434	410	83	94	W	6	SW	2	3	001
31	936	29° 906	55°	53°	45°	66°	375	382	85	93	SW	2	SW	2	6	001
32	29° 962	30° 251	55°	49°	48°	64°	378	315	87	88	WNW	4	NW	1	8	000
Means	29° 808	29° 820	61°	56°	51°	68°	451	427	84°	93°	2°	8	2°	6°	6°	3°



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.  
AUGUST 1879.

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.	[till 10a.]
1	29.790	30.079	64.9	50.0	55.6	66.1	.519	.363	85	80	SW 3	N 1	9	9	.010	Squall from NW. 9.15a., with 10a. T 8p. Clouds like str. from [SW. 9.15p.]
2	30.170	30.082	61.0	54.0	47.5	68.8	.348	.394	65	94	NE 2	ENE 5	2	10	1.460	
3	29.903	29.878	57.1	58.9	50.0	63.1	.467	.495	100	100	NNE 3	NE 2	10	10	—	12 2 0a.-4a. 2 moon-5p. Fine after 11a. [after which]
4	.886	.994	61.1	56.8	56.2	68.0	.482	.495	89	87	SW 2	SW 3	10	4	—	2 11.15a. — 7.15p. with interval [about 6p.]
5	.850	.642	58.6	54.5	53.6	59.9	.428	.495	87	96	S 3	S 4-5	10	2	.260	all day. 2 showers 5p. and 7.15p. Day fine. 2 increasing to 2 1p., died [out in aft.]
6	.657	.753	55.8	54.0	49.5	62.1	.345	.337	77	81	SW 6	SW 4	10	9	.010	
7	.793	.843	56.9	53.0	49.2	64.5	.307	.345	67	85	WSW 5	WNW 1	9	6	—	
8	.838	29.845	60.0	53.1	46.2	66.1	.352	.396	68	98	WNW 1	NNE 2	6	10	.040	Fine a. with ∞. Wind SW. p.
9	29.927	30.007	51.4	52.0	45.1	64.4	.301	.335	80	86	NW 3	N 1	9	7	—	Day fine.
10	30.022	30.007	55.0	58.0	45.2	65.0	.318	.407	74	84	Calm	E 1	9	10	—	0 9a.-9p. Fine afternoon. Very fine 9p.
11	30.006	29.972	63.7	62.9	55.9	74.1	.496	.501	84	88	SE 2	E 0-1	10	0	—	∞ ga. Very fine. Clouds slow, from [SW. 9p.]
12	29.937	.873	63.9	61.1	57.8	75.8	.456	.398	77	58	E 2	E 3	3	9	—	∞ ga. Very fine. Clouds slow, from [SW. 9p.]
13	29.799	29.880	62.0	59.0	54.1	66.2	.468	.439	84	89	SE 1	SW 2	9	9	.060	
14	30.031	30.060	60.5	58.5	54.6	67.1	.420	.392	81	80	NNE 2	N 1-2	10	10	—	Fine afternoon. ∞ until evening.
15	29.961	29.814	60.0	60.1	54.6	69.0	.459	.452	89	87	ESE 1	Calm	0	10	10	2 showers 10a.-5.30p. T 8p. Sheet 8.30p.-9p. 2 9p. 2 9a.-9p. 2

## CHURCHSTOKE.

Height above Mean Sea Level, 548 feet. Long. 3° 5' W. Lat. 52° 31' N.  
AUGUST 1879.

1	29.834	30.111	58.2	53.1	52.9	63.9	399	352	82	86	W 4	WSW 2	9	1	—	Hot and bright.
2	30.196	30.085	56.9	57.2	42.1	64.8	365	379	79	81	NNE 0.5	E 4	1	9	169	11p.—3.30a. 3rd.
3	29.914	29.955	56.0	61.1	50.1	62.7	424	373	94	88	E 4	WSW 2	10	8	162	on hills. Wind veering.
4	910	983	57.0	57.4	55.7	65.8	377	415	81	88	W 4	W 3	9	10	—	p.
5	821	640	57.0	53.1	53.0	65.7	434	344	93	84	SW 2	W 3	10	9	490	7a.—5p.
6	683	779	54.2	53.1	51.1	57.9	343	360	82	80	W 4	W 2	9	9	—	2. Fine.
7	835	879	52.5	48.9	47.0	61.8	281	308	72	90	W 4	Calm	0	1	—	
8	872	29.905	57.8	51.2	41.0	61.3	370	371	78	99	NNE 3	NNE 3	4	10	102	
9	29.976	30.054	53.9	52.1	44.6	63.1	312	334	75	85	NW 3	WSW 2	5	7	—	Bright and sunny.
10	30.046	30.008	56.2	60.0	40.2	63.1	324	424	72	82	SE 4	E 3	6	8	—	Fine a. Gloomy p.
11	30.009	29.992	62.0	64.2	56.5	69.2	483	454	87	76	SE 2	E 2	10	10	—	ga. p.
12	29.909	854	64.5	65.0	58.9	73.0	457	396	76	64	SE 4	SE 4	8	8	—	Fine. Soft wind.
13	29.797	29.896	60.0	59.0	57.0	65.1	439	407	86	82	E 3	SW 3	7	5	—	p. a. Gloomy.
14	30.100	30.137	59.0	53.4	48.0	68.0	413	374	83	91	W 2	NE 2	7	5	—	Fine and sunny. K 6p.
15	30.008	29.831	56.3	59.0	47.0	67.1	371	436	82	88	E 2	SW 2	8	7	—	a. p. Mild.
16	29.652	568	58.0	55.9	51.0	60.4	441	425	91	95	W 2	N 2	6	10	1390	p. a. K.
17	529	610	51.9	51.1	50.0	57.2	365	346	95	92	NW 2	W 5	10	10	963	2. Dull. T 6p.
18	683	767	55.4	50.9	50.0	64.8	357	349	82	94	SW 3	SW 2	7	7	—	2. a.
19	738	738	55.2	54.3	46.0	61.1	388	404	90	96	ESE 2	SE 2	8	10	—	Dull and threatening.
20	588	683	59.3	55.1	54.0	64.1	431	410	86	94	S 3	SE 3	8	9	253	Fine.
21	643	553	56.9	56.4	54.7	62.1	406	384	88	85	ESE 2	SW 5	10	7	340	a. 3p.—6p.
22	591	752	53.0	53.9	51.0	63.1	377	338	94	82	SW 5	SW 3	6	3	—	Fine.
23	29.806	890	57.6	56.4	47.5	67.1	397	413	83	91	NE 3	SW 1	5	4	—	Sunny a. Gloomy p.
24	30.021	875	59.7	59.0	43.0	69.3	371	366	73	74	NNW 2	SW 2	4	8	—	
25	29.698	653	58.8	53.9	52.3	62.4	333	322	67	77	SW 5	SW 5	4	6	—	Dull and cold.
26	573	734	54.6	54.9	51.2	62.1	336	375	79	88	W 4	SSW 5	8	8	357	
27	400	446	56.0	57.5	50.0	63.1	403	399	90	84	S 6	SW 5	10	8	135	Rough and stormy.
28	378	383	56.6	54.9	54.0	64.1	410	355	89	83	S 5	SW 6	8	10	—	6p. Fine later.
29	580	846	58.0	52.0	51.0	62.1	352	335	73	86	SSW 4	SW 4	4	4	163	Fine and sunny. 5.30p.
30	29.949	29.902	55.2	50.0	44.0	62.1	324	313	75	87	SSW 4	SW 4	4	4	—	Fine.
31	30.034	30.307	50.1	44.0	43.3	59.1	294	263	81	91	NW 4	SW 2	5	2	—	
Means	29.802	29.830	56.7	55.1	49.6	63.8	380	375	82.5	86.2	3.3	3.0	7.2	7.1	4.886	

## AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.  
AUGUST 1879.

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.	64.8	54.7	54.7	73.5	ins.	ins.	%	%					ins.	
1	29.720	30.060	64.8	54.7	54.7	73.5	550	425	90	99	W	1	W	1	3	3
2	30.144	30.144	62.1	57.6	46.2	73.3	375	366	68	77	W	5	W	6	7	10
3	29.890	29.911	64.5	63.8	53.1	71.3	522	570	87	96	SW	2	S	2	4	6
4	891	30.022	62.1	55.6	54.1	71.2	482	413	86	93	S	4	SW	2	8	2
5	931	29.742	61.2	56.6	48.2	66.0	403	409	75	88	SW	1	S	3	1	10
6	694	790	59.7	56.6	52.1	60.2	388	356	76	77	SW	3	SW	2	2	2
7	831	861	58.4	54.6	52.1	66.1	439	403	92	95	SW	2	SW	1	9	2
8	830	826	59.7	57.1	53.3	64.9	403	427	79	91	W	1	SW	1	0	10
9	29.852	960	54.7	49.6	49.1	62.9	270	286	63	81	Calm	0	NW	1	0	0
10	30.001	29.999	57.6	59.6	42.3	69.0	342	428	72	84	S	1	Calm	0	0	10
11	29.997	30.003	67.6	58.6	53.6	74.6	457	436	68	89	S	1	S	1	1	0
12	942	29.913	68.1	56.6	54.1	74.0	464	406	67	88	S	2	S	1	9	2
13	29.842	29.876	67.4	63.9	56.1	76.3	485	485	73	82	SSW	3	SW	1	0	10
14	30.024	30.036	65.6	64.6	59.4	75.0	433	543	70	89	SW	2	Calm	0	5	8
15	29.937	29.833	65.2	61.6	59.0	76.2	480	524	78	95	S	1	SW	1	1	1
16	634	539	63.6	54.6	54.6	70.0	451	377	77	88	S	1	SW	1	2	3
17	439	580	57.6	53.6	52.1	59.9	421	374	88	91	SW	1	SW	3	7	10
18	600	704	56.0	55.6	53.5	65.3	389	443	87	100	SW	1	SW	3	7	6
19	800	801	59.8	59.6	52.1	65.0	361	494	70	97	SW	4	SW	1	5	10
20	597	679	63.6	63.8	56.6	67.0	562	524	95	88	S	2	SW	3	2	6
21	678	592	65.5	62.5	58.5	68.0	533	477	86	85	SE	1	SE	3	2	2
22	595	796	62.4	55.6	55.1	68.0	430	389	77	88	S	4	SW	2	2	3
23	798	797	57.6	58.1	53.1	63.0	472	491	100	98	SE	1	NW	1	6	10
24	936	949	61.6	58.1	50.6	70.0	384	443	71	92	NW	1	SW	2	3	3
25	756	744	58.4	54.6	50.1	69.5	485	365	100	85	SW	4	SW	4	4	0
26	616	701	58.1	55.8	52.1	60.9	449	386	93	87	SW	5	SW	4	4	5
27	689	440	54.7	62.6	52.6	62.6	407	539	95	95	SW	2	SW	5	10	10
28	447	496	59.6	55.6	52.6	62.6	487	389	95	88	S	2	S	6	10	1
29	699	876	59.8	54.2	54.1	60.3	377	340	73	81	SW	8	SW	1	5	4
30	29.955	29.930	60.6	56.6	46.2	60.9	369	410	71	89	Calm	0	W	1	2	2
31	30.000	30.250	53.4	42.6	42.6	63.9	364	255	89	93	SW	4	SW	1	2	0
Means	29.802	29.834	61.0	57.3	52.4	67.5	433	425	80.9	89.3	2.3		2.1	4.0	4.9	3.350



## CARMARTHEN.

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

AUGUST 1879.

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	53.9	52.9	65.8	ins.	ins.	74	86	N 3	NW 1	4	3	ins.	Fine day.
2	29.893	30.125	58.5	53.9	46.0	70.7	366	413	59	83	S 2	NW 1	4	10	1.230	8 p.m.—7 a.m. 3rd.
3	29.830	29.876	58.3	58.6	55.4	65.2	456	477	94	97	E 2	S 3	10	10	0.060	10 a.m.
4	30.012	30.070	60.0	58.3	56.2	66.2	374	456	72	94	W 3	S 4	7	10	1.320	after 3 p.
5	29.781	29.715	57.7	52.7	52.6	62.2	464	362	97	91	S 2	W 2	10	10	0.940	2 a.
6	29.759	29.835	56.6	54.7	51.8	63.2	361	371	78	87	W 4	W 2	9	8	0.010	
7	29.880	29.844	57.5	54.7	48.9	63.0	391	407	83	95	SW 1	Calm 0	8	3	0.020	
8	29.876	29.864	59.0	54.6	49.9	64.6	401	403	81	95	SE 1	NW 1	10	5	—	T 6.30 p.
9	29.668	30.022	62.3	51.1	50.6	66.0	355	308	63	82	N 2	N 1	6	1	—	Fine day.
10	29.773	29.966	61.8	59.0	46.7	67.0	401	480	73	96	E 2	SE 1	8	10	1.150	1 p.—6 p.
11	29.978	29.891	63.2	65.3	58.5	74.4	537	533	93	86	Calm 0	E 2	10	10	—	
12	29.836	29.725	73.6	68.1	62.9	76.7	443	421	54	61	E 4	SE 4	2	8	—	after 11 p.
13	29.790	29.809	60.2	57.6	57.3	70.2	480	447	93	94	S 1	E 1	10	10	0.010	
14	30.069	30.065	59.8	58.2	52.4	71.2	434	409	85	84	SE 1	SE 1	9	9	—	before 9 a. Fine day.
15	29.949	29.817	62.7	56.6	53.5	70.3	456	397	81	86	Calm 0	N 1	8	3	0.960	Fine a.
16	29.611	29.579	55.4	55.9	54.0	66.2	427	421	97	94	NW 1	N 3	10	10	0.700	after 3 p.
17	29.617	29.668	54.4	55.9	51.6	62.4	336	365	79	82	W 5	W 3	6	10	0.080	
18	29.668	29.721	63.2	54.7	51.8	68.5	358	389	62	91	W 2	W 1	5	9	0.010	
19	29.757	29.620	59.2	57.5	53.8	62.1	487	464	97	98	SE 1	SE 2	10	10	0.220	nearly all day.
20	29.567	29.657	59.0	58.2	56.8	66.2	482	461	97	95	S 1	SW 1	10	10	0.160	
21	29.630	29.524	57.6	57.0	55.9	65.2	431	419	90	90	SW 1	SW 4	10	8	0.390	
22	29.536	29.759	59.0	56.1	53.2	65.4	416	403	84	89	SW 7	W 4	6	4	0.040	4 a.—5 a. Frequent 2 showers a.
23	29.766	29.880	61.0	52.6	52.6	70.6	413	353	78	89	E 2	Calm 0	7	0	—	Fine day.
24	30.010	29.850	60.3	58.1	43.9	67.8	397	467	76	97	E 1	SW 4	6	10	0.100	Fine a. after 5 p.
25	29.737	29.662	60.2	54.7	54.2	63.7	382	360	73	85	S 4	SW 5	8	2	0.340	Squally p.
26	29.626	29.775	53.9	54.2	51.1	61.2	389	385	94	92	NW 4	SW 2	10	4	0.930	
27	29.456	29.479	57.0	57.5	53.4	62.9	453	422	97	89	S 4	SW 5	10	10	1.190	
28	29.397	29.411	57.3	58.0	54.0	65.7	461	389	98	81	SW 5	SW 8	10	10	0.180	morning and evening. Fair mid-day.
29	29.709	29.913	57.6	49.9	49.9	63.0	378	340	80	95	W 6	Calm 0	8	0	0.080	
30	29.922	29.890	57.4	50.7	42.9	63.2	379	325	81	88	SW 3	SW 3	5	4	0.110	
31	30.079	30.317	56.6	48.0	45.1	61.2	294	301	64	90	W 4	Calm 0	4	0	—	
Means	29.800	29.818	59.5	56.2	52.3	66.2	412	403	81.5	89.1	2.5	2.3	7.7	6.8	0.230	

## MARLBOROUGH.

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






AUGUST 1879.

1	29.855	30.094	64.4	57.4	57.4	71.7	498	403	82	86	SW 1	Calm 0	9	8	—	
2	30.158	30.021	62.9	56.7	50.2	68.9	377	384	66	84	NE 1	NE 1	1	10	0.730	8 p.—3.30 p. K
3	29.862	29.937	59.6	58.6	54.2	67.6	500	454	98	92	E 1	Calm 0	10	1	—	K 2 till 3.30 a.
4	29.666	30.063	59.7	53.9	53.9	67.0	441	360	87	86	W 2	Calm 0	9	0	—	
5	29.919	29.726	57.6	54.7	53.0	61.0	393	404	82	94	SW 2	SW 2	9	8	0.380	
6	29.777	29.803	56.3	53.5	50.9	64.7	381	362	84	89	SW 2	SW 2	6	1	—	
7	29.889	29.883	57.5	54.7	52.0	64.0	367	399	78	93	SW 1	Calm 0	10	10	0.020	
8	29.880	29.868	57.7	56.2	54.4	68.6	416	401	87	89	N 1	N 1	10	10	—	
9	29.958	30.037	59.6	52.9	50.6	65.0	311	360	61	90	N 1	Calm 0	5	3	—	
10	30.027	30.023	61.6	59.4	44.1	70.8	379	367	70	73	E 1	E 1	2	10	—	
11	30.021	29.989	62.2	63.6	56.3	70.7	465	528	83	89	E 1	Calm 0	10	10	—	
12	29.924	29.857	68.5	62.1	54.5	77.5	479	456	69	82	E 1	E 1	0	0	—	
13	29.813	29.919	65.5	61.2	54.8	74.7	437	464	71	86	SE 1	Calm 0	10	9	0.460	
14	30.053	30.081	62.6	59.3	55.6	67.1	472	485	83	96	Calm 0	Calm 0	10	8	0.020	
15	29.963	29.872	64.6	59.6	55.2	75.4	520	453	86	89	NW 1	Calm 0	9	8	0.220	
16	29.648	29.669	56.0	55.0	53.9	67.3	436	397	97	92	E 1	E 1	10	0	0.840	
17	29.570	29.664	51.5	53.9	51.4	56.6	362	360	96	86	E 2	W 1	10	8	0.545	
18	29.687	29.752	59.6	53.7	49.7	68.5	371	367	73	89	SW 1	Calm 0	5	10	—	
19	29.829	29.816	56.7	55.3	50.9	62.1	421	416	91	95	S 2	Calm 0	10	10	1.460	
20	29.652	29.727	61.9	59.6	54.9	64.7	526	494	96	97	SW 3	SW 1	10	10	0.090	
21	29.675	29.639	61.9	56.2	56.1	66.7	522	418	95	93	SSW 1	Calm 0	10	0	0.065	
22	29.659	29.844	60.0	54.9	54.4	66.5	377	393	73	92	SW 3	W 1	5	0	0.130	
23	29.807	29.837	56.0	57.6	53.7	62.7	427	444	95	93	E 1	Calm 0	10	0	0.070	
24	30.027	29.967	62.6	57.2	45.6	70.9	413	425	73	91	Calm 0	SW 2	5	10	0.020	
25	29.800	29.798	62.4	54.9	54.1	68.5	410	356	73	85	SW 3	SW 3	5	0	0.020	
26	29.666	29.815	55.8	54.7	51.4	58.9	362	369	81	87	SW 4	SW 1	10	10	0.705	
27	29.616	29.523	58.6	51.1	51.5	62.4	475	498	97	93	Calm 0	SW 2	10	10	0.600	
28	29.519	29.557	58.9	55.5	55.1	64.0	475	377	96	86	SW 1	W 2	10	10	0.220	
29	29.730	29.909	58.5	51.7	51.4	64.5	384	349	79	91	W 2	W 1	9	8	0.020	
30	29.993	29.968	59.4	53.3	45.7	66.5	345	346	68	85	SW 1	W 1	3	6	—	
31	30.061	30.311	56.7	46.3	46.3	63.7	304	280	66	91	W 2	Calm 0	4	0	—	
Means	29.839	29.870	59.9	56.3	52.3	66.7	421	405	81.8	89.1	1.4	0.8	7.6	6.1	0.615	

## STRATHFIELD TURGISS.

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

AUGUST 1879.

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°8	55°5	55°5	73°8	in.	in.	80	93	SW 3	W 1-0	8	7	ins.	Squalls. 2 p. with	
2	29°863	30°076	67°8	55°5	55°5	73°8	441	407	80	93	NE 3	NE 2-3	0	10	1698		
3	29°860	29°945	61°3	59°9	58°0	72°2	511	464	94	91	SE 2	SW 2	10	5	—	a.  a.	
4	937	30°002	61°7	57°2	57°2	68°3	483	431	89	92	SW 2	W 0-1	10	0	°040		
5	932	29°701	59°2	56°4	52°2	67°1	439	419	88	92	SW 1	SW 3	0	5	—		
6	716	804	60°3	54°2	50°1	66°2	386	358	74	85	SW 2	SW 0-1	5	5	—		
7	841	837	61°3	55°6	51°1	65°2	401	413	75	93	SW 2	SW 2	3	10	—		
8	824	824	59°5	58°4	55°4	65°5	434	430	86	88	SW 1	SW 1	0	8	—		
9	886	978	59°3	50°2	50°2	65°6	342	336	68	93	NW 3	NW 1	4	0	—		
10	984	972	62°0	59°3	44°2	67°3	462	472	83	94	NW 1	SE 2	0	10	—		
11	974	953	64°5	63°5	57°1	71°3	500	531	83	91	S 1	S 1	2	10	—	K	
12	890	849	69°1	58°9	56°2	77°3	469	475	66	96	SE 1	S 1	8	10	—		
13	29°785	29°867	66°2	63°5	52°2	74°5	477	568	75	97	SE 1	S 1	8	10	715	K	
14	30°007	30°030	67°2	59°3	53°1	71°4	552	485	83	96	W 1	NW 1	5	8	—		
15	29°928	29°806	63°4	57°9	57°0	76°4	377	453	64	94	NW 1	NW 2	2	0	°220		
16	662	533	59°1	54°9	50°2	66°4	472	378	94	89	S 2	SW 4	2	5	°263	< p.	
17	486	609	53°1	54°1	52°0	56°4	378	355	93	85	SW 4	SW 3	10	10	°435		
18	628	683	58°1	54°4	50°2	68°3	391	418	81	98	SW 1	SW 1	6	0	°301	K	
19	800	783	58°5	56°9	52°3	64°4	469	439	96	95	SW 2	SW 2	10	10	°850		
20	621	677	63°5	60°1	56°0	66°4	568	503	97	97	SW 2	SW 1	10	10	°583		
21	615	596	64°6	58°3	57°4	68°4	572	456	94	94	SE 3	SW 3	4	0	°201	Squalls a. and p.	
22	638	784	61°3	55°2	55°0	68°6	461	406	85	93	SW 3	SW 1	5	0	°194		
23	29°760	811	59°2	59°8	54°4	65°7	439	498	88	97	SE 1	NW 2	2	1	°413	Squally a.	
24	30°017	973	62°7	57°8	46°2	72°4	431	389	76	81	NW 2	SW 3-4	4	0	°040		
25	29°811	805	56°4	54°9	54°3	68°5	443	369	91	86	SW 2	NW 4	3	10	0	p.  p.	
26	686	815	59°5	54°9	51°3	61°2	344	396	68	92	SW 5-6	W 2	3	10	5		°283
27	658	516	60°2	61°7	51°2	62°0	494	526	95	96	SW 4-5	S 2-3	10	10	°666	2 a. Squally.  p.	
28	539	595	59°9	55°1	55°0	65°4	489	378	96	87	SW 2-3	SW 2-3	10	0	°150		Squally p.
29	761	908	60°4	54°0	53°2	66°2	382	371	73	89	W 3-4	SW 2	8	9	°038	a. Squally.  p.	
30	30°001	29°907	59°4	53°3	46°1	67°0	352	352	70	86	W 3	SW 2	2	8	—		 p.
31	30°055	30°285	56°3	47°1	45°3	64°2	324	304	72	94	W 2-3	W 1	6	2	—		
Means	29°817	29°839	61°3	56°8	52°4	67°9	444	424	82°0	91°2	2°2	1°8	5°6	6°0	7°090		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## SOUTHAMPTON.

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

AUGUST 1879.

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.	62.2	59.3	59.0	71.7	ins.	ins.	94	84	WSW 2.5	N 1	10	3	ins.	
2	29.864	30.064	62.2	60.3	59.0	71.7	ins.	ins.	94	84	WSW 2.5	N 1	10	3	ins.	
3	29.845	29.935	62.8	60.3	55.0	66.4	ins.	ins.	96	92	E 1	SSW 1	10	9	1.225	< 9p. K <sup>2</sup> 2.2. 10.30p.—2a.
4	29.967	30.063	60.2	56.9	56.6	68.9	ins.	ins.	93	93	WSW 2.5	WSW 2	10	1	0.003	
5	29.936	29.755	60.7	56.8	54.6	65.6	ins.	ins.	91	81	SSW 3.5	SW 2.5	9	10	0.215	2.15p.—7.15p.
6	29.801	29.875	59.8	55.2	51.7	64.0	ins.	ins.	88	76	SW 3.5	SW 3	8	2	0.347	11a. Frequent 2 showers.
7	29.916	29.863	59.0	57.2	52.8	64.5	ins.	ins.	98	98	SW 3	SW 2	10	10	0.058	
8	29.873	29.863	59.7	56.7	56.4	64.3	ins.	ins.	99	93	W 2	SW 1	10	10	0.013	
9	29.946	30.021	59.7	57.0	52.7	66.7	ins.	ins.	85	85	NE 2.5	WSW 1.5	1	2	—	
10	30.022	30.014	59.9	60.5	50.1	69.1	ins.	ins.	83	83	SW 0.5	SSE 3	10	10	0.004	
11	30.002	29.958	61.5	63.4	58.1	67.6	ins.	ins.	93	94	NE 0.5	SSE 3	10	10	—	
12	29.913	29.833	71.4	64.9	56.6	77.0	ins.	ins.	61	67	SE 3.5	ESE 4.5	0	1	—	
13	29.814	29.907	65.5	63.3	60.3	71.6	ins.	ins.	74	90	S 3	SW 2.5	10	10	0.072	Till 10.15a. K 11.15a. T at intervals
14	30.043	30.057	64.1	63.0	52.9	70.4	ins.	ins.	83	91	WNW 1.5	NW 1	9	10	—	
15	29.960	29.854	65.2	58.4	55.7	70.7	ins.	ins.	82	89	S 1.5	SW 2	9	2	0.308	
16	29.834	29.861	61.1	55.0	54.9	64.6	ins.	ins.	94	90	S 2	SW 2	9	2	0.422	2a.—8.30a. < after 9.20p.
17	29.996	29.903	56.9	53.9	52.4	61.5	ins.	ins.	81	82	WNW 3	SW 3	9	1	0.005	2.30a.—7.30a. during day.
18	29.922	29.743	60.0	56.8	53.1	66.4	ins.	ins.	73	95	W 2.5	SW 2	7	10	—	
19	29.836	29.815	59.9	57.0	55.2	62.2	ins.	ins.	98	98	SW 2	SSW 2.5	10	10	1.260	all day. 2 at times.
20	29.687	29.736	62.0	59.2	56.3	63.4	ins.	ins.	97	98	SW 5.5	SW 2.5	10	10	0.180	till 5p.
21	29.663	29.644	63.5	58.9	57.7	66.4	ins.	ins.	96	94	SSE 2.5	SW 2	10	10	0.047	
22	29.714	29.857	61.7	57.0	56.5	65.6	ins.	ins.	79	91	SW 6.5	SW 2.5	9	9	0.595	Squally with 2a. D 9p.
23	29.772	29.801	57.7	60.4	55.8	63.8	ins.	ins.	98	94	E 1.5	SW 3	10	10	0.400	
24	29.917	29.979	62.4	59.3	49.9	69.1	ins.	ins.	73	95	Calm	SW 3	7	10	0.045	
25	29.816	29.819	60.9	56.9	56.3	67.4	ins.	ins.	84	86	WSW 4	SW 5	10	1	0.080	during the day.
26	29.723	29.847	60.5	56.5	53.3	64.1	ins.	ins.	79	79	W 6	WSW 3.5	3	5	0.182	n., and greater part of day.
27	29.665	29.555	59.7	61.4	53.5	63.0	ins.	ins.	96	95	SW 6	SW 4	10	10	0.660	nearly all day.
28	29.553	29.619	60.0	57.4	56.7	63.2	ins.	ins.	97	84	SW 3.5	SW 5	10	2	0.212	4.30a.—1.30p.
29	29.790	29.927	60.5	56.0	55.6	63.7	ins.	ins.	75	90	WSW 5	SW 2.5	9	10	—	n., and during the day.
30	29.910	29.978	58.8	55.1	47.0	63.7	ins.	ins.	70	91	SW 2	SW 2	1	1	—	ga. and before.
31	29.976	30.291	56.9	49.3	48.7	64.5	ins.	ins.	69	83	W 3.5	NW 1.5	6	3	—	
Means	29.847	29.870	61.4	58.2	54.4	66.6	ins.	ins.	82.6	89.1	3.0	2.6	8.0	6.6	6.423	

## HASTINGS.

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

AUGUST 1879.

1	29.898	30.052	61.0	61.5	57.6	64.8	527	436	98	80	SW	2	N	3	10	9	0.010	2p.
2	30.118	29.991	63.6	59.7	54.1	67.3	358	446	61	88	NE	3	NE	6-7	1	1	—	Clouds from westward. Fine till 7p.
3	29.848	29.945	68.7	59.1	58.8	71.1	616	479	88	95	NE	2	W	1	9	10	0.020	Heavy day. 0 p. < in N. 8.30p. <
4	29.993	30.084	59.1	55.8	55.2	65.3	483	420	96	94	SW	3	SW	1	10	0	—	round hills ga. [in S. 9p.]
5	30.002	29.818	61.0	57.6	54.1	65.0	436	432	82	90	SSW	2	SSW	2	10	10	0.030	
6	29.827	29.880	59.6	56.9	53.9	62.8	376	409	74	89	SW	6-7	WSW	5-6	7	5	0.090	Windy with 2 showers.
7	29.905	29.923	57.9	55.7	53.1	62.8	438	432	92	97	WSW	5-6	SSW	1	10	10	0.270	Wind WSW-W force 6, with Cir. [clouds from W. 1.15p.]
8	29.883	29.875	57.9	56.2	55.2	61.3	461	416	96	92	SW	5	SW	1	10	10	0.010	
9	29.995	30.018	56.7	53.4	52.3	65.0	313	327	67	80	N	3	Calm	0	1	0	—	Fine day.
10	30.032	30.034	61.3	59.1	51.5	66.3	457	426	84	85	SW	0-1	NE	0-1	7	5	0.010	Fine till evening.
11	30.024	29.996	59.3	61.7	58.2	67.9	495	440	98	80	E	1	NE	3-4	10	0	—	till aft., then very fine.
12	29.966	29.898	67.0	63.9	56.9	70.7	421	430	64	72	E	2	NE	3-4	0	1	—	Very fine day.
13	29.867	29.923	66.8	61.9	58.9	74.3	447	499	69	91	N	1	W	0-1	9	10	0.015	Very fine day. Evening obs. at 9.30p.
14	30.010	30.050	67.9	62.2	59.1	73.9	500	514	73	92	NE	1	Calm	0	1	9	—	Fine.
15	29.988	29.884	60.5	59.0	58.0	67.1	507	455	96	92	SSW	1	SW	1	10	10	0.040	2a. Fine.
16	29.712	29.653	62.5	56.7	56.0	64.0	477	354	84	76	S	0-1	SSW	5-6	10	1	0.270	Fine but windy from mid-day.
17	29.573	29.690	54.4	56.9	52.9	59.6	395	430	94	94	W-WSW	6	WSW	5-6	10	10	0.045	
18	29.687	29.754	57.7	57.9	54.1	63.8	397	444	93	W	2	S	1	5	9	—	Evening obs. taken at 9.30p.	
19	29.850	29.861	60.2	58.1	55.1	64.0	453	471	88	97	Calm	0	SW	0-1	10	10	0.690	Windy with 2 all day.
20	29.760	29.770	61.9	62.1	57.1	65.1	523	523	97	94	SSW	3	SW	1	10	10	0.040	
21	29.768	29.658	62.0	61.3	59.4	68.1	534	515	96	95	S	1	SW	5	10	10	0.390	K 2 off and on till evening.
22	29.775	29.893	62.1	58.9	57.1	64.6	474	437	85	88	SSW	5-6	SW	4	9	10	0.120	Fine.
23	29.869	29.816	58.9	60.1	57.6	61.2	478	513	97	98	S	1	SW	1	10	10	0.435	all day.
24	29.994	30.009	61.5	58.3	56.1	68.1	439	438	80	89	NE	2	SW	1	1	1	0.080	Fine.
25	29.859	29.860	60.5	57.4	56.6	63.0	446	373	85	79	sw-WSW	5.5	WSW	6	8	1	0.250	
26	29.732	29.837	58.4	57.5	53.1	61.3	375	399	77	84	SW	8	WSW	5	9	5	0.025	
27	29.755	29.776	57.9	61.3	55.2	62.0	450	529	94	97	SW	7	sw-WSW	8.0	10	10	0.290	
28	29.584	29.632	60.9	58.9	58.3	62.0	528	408	99	82	SW	4.5	SW	8-9	10	9	0.460	till 4p., then fine but windy.
29	29.807	29.940	59.0	56.6	5.5	62.8	402	405	78	88	sw-WSW	8.0	WSW	4	9	10	—	Fine day.
30	30.016	30.009	56.9	57.7	50.4	62.9	357	366	77	77	W	1	SW	2	2	0	0.060	Fine.
31	30.057	30.275	57.9	51.4	50.9	63.0	468	297	98	79	W	4	N	0-1	1	0	—	2 early a. for a short time. Fine day.
Means	29.873	29.890	60.7	58.5	55.6	65.2	453	434	85.5	88.0	3.2	2.9	7.4	6.3	3.650			

## DARTMOOR.

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

AUGUST 1879.

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.	52.5	50.5	50.5	58.9	ins.	ins.	100	87	NNW 1	NE 3	10	9	ins.	☉
2	30.078	29.947	56.5	54.6	48.5	58.1	322	374	71	88	ESE 6	ESE 7	8	10	0.490	1p.—5.30p. preceded by ☉. Moderated from 2.15p.
3	29.820	29.909	58.0	54.9	54.0	59.0	482	431	100	100	E 1	NNE 3	10	10	0.090	Fine. ☹ p. < very vivid but not
4	30.015	30.059	53.4	53.0	51.2	61.0	382	403	94	100	WNW 3	SW 4	7	10	0.070	Fine. ☹ p. very frequent. Clear
5	29.835	29.793	53.2	49.2	49.1	55.9	466	351	100	100	SW 4	SW 2	10	10	1.400	☹ ga. and 9p. [6p.—7.45 p. Overcast
6	29.849	29.927	50.9	49.9	49.3	55.5	366	357	97	100	WNW 4	NW 2	7	10	0.180	[8.15p. < 9p.]
7	29.934	29.878	50.2	53.5	48.9	54.9	364	410	100	100	W 2	W 3	10	10	0.460	☹ p.
8	29.900	29.883	52.4	52.0	51.1	53.9	394	388	100	100	WSW 3	WSW 3	10	10	—	☹ 9p.
9	29.966	30.040	57.5	50.0	49.0	63.0	385	322	82	90	NNE 3	NNE 3	5	10	0.050	☹ 9p. and before.
10	29.989	29.996	54.9	57.0	50.0	59.5	396	465	92	100	ENE 1	E 1	10	10	—	☹ 9p. and before.
11	29.976	29.905	60.8	57.4	56.0	63.0	529	472	99	100	SE 1	E 5	10	10	—	☹ all day with occasional showers of [misty ☉. / (force 8) 6p.
12	29.856	29.780	60.6	56.8	56.0	63.5	505	437	95	94	SE 4	E 2	5	4	0.050	Fine. 1 p. Wind S.E., clouds from S.W.
13	29.815	29.929	56.9	55.5	55.0	63.1	461	427	100	99	S 1	SW 2	10	10	0.020	☹ ga. and 9p. Fine p.
14	30.054	30.073	56.0	55.0	52.0	61.2	430	433	96	100	SW 1	SW 1	10	10	—	☹ ga. and 9p. <.
15	29.961	29.852	58.4	53.9	53.5	63.9	384	413	79	100	W 1	W 1	6	10	0.790	☹ Squally a.
16	29.666	29.663	52.4	50.5	49.0	56.0	378	365	96	100	NNW 3	W 5	10	10	0.840	Squally a.
17	29.696	29.751	51.9	49.8	47.4	55.9	312	356	81	99	NW 4	W 5	4	8	0.280	Squally a.
18	29.790	29.744	54.5	54.0	49.5	59.0	356	418	84	98	S 1	S 1	8	10	0.120	6.40p.—9p. Wind varying in direc-
19	29.807	29.736	55.4	54.6	53.9	56.0	433	427	98	100	W 2	S 2	10	10	0.280	[tion from S. to E.]
20	29.592	29.711	57.8	54.5	54.0	59.6	479	435	100	100	SW 5	SW 2	10	10	0.460	☹ 9p. Wind rose 8.30p. ☉ throughout the night.
21	29.643	29.597	55.1	52.9	52.4	57.5	428	399	98	100	SW 1	W 6	10	10	0.100	Fine ga. Squally p.
22	29.639	29.819	54.0	52.9	50.9	57.4	371	375	89	94	W 5	W 6	10	10	0.460	☹ before 9a.
23	29.730	29.909	53.9	52.5	50.1	59.2	416	352	100	89	E 1	NE 1	10	10	0.070	Fine 9a. Squally p.
24	30.024	29.942	56.8	53.4	46.5	59.8	277	409	60	100	WSW 1	W 3	4	10	0.280	☹ before 9a.
25	29.836	29.822	52.5	51.0	51.0	58.0	362	374	92	100	W 4	WSW 6	7	10	—	Fine 9a. Squally p.
26	29.848	29.874	52.0	49.4	47.9	56.9	323	340	83	96	NW 7	NW 2	9	10	0.920	Squally a. and p. ☹ 9p.
27	29.557	29.593	56.0	54.0	47.9	57.9	449	418	100	100	SW 8	SW 5	10	10	1.250	☹ ga.
28	29.540	29.602	53.8	51.5	51.5	57.9	415	367	100	97	SW 2	WSW 5	10	10	0.200	☹ 2.30a. Squally 9a.
29	29.836	29.978	53.5	47.9	47.9	57.0	399	334	98	100	W 4	W 4	10	10	0.030	Fine a. and p.
30	29.986	29.979	51.2	48.0	43.0	56.0	343	335	91	100	SW 2	W 1	6	10	—	☹ 9p.
31	30.109	30.327	49.6	42.5	40.5	56.5	244	272	92	100	NW 2	Calm 0	7	1	—	Fine a. and p.
Means	29.845	29.875	54.6	52.3	50.2	58.5	396	386	92.5	97.8	2.8	3.0	8.5	9.4	8.890	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## ST. AUBIN'S, JERSEY.

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

AUGUST 1879.

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.	63.2	56.5	56.3	68.0	ins.	ins.	88	88	SW 3	WbyN 1	5	1	ins.	Scotch early a. Very fine day. $\Delta$ p.
2	29.907	29.904	62.3	64.7	55.3	68.0	477	535	85	88	NE 5	NE 3	9	9	0.004	all day. $\angle$ 0 in. 64. Fine p.
3	30.035	29.878	61.5	62.9	60.0	74.6	509	498	93	87	SW 3	SW 3	10	10	0.020	$\angle$ till 2a. T° 0.55a. with temp. 67. $\Delta$ p.
4	29.907	29.981	61.5	62.9	60.0	74.6	509	498	93	87	SW 3	SW 3	10	10	0.020	early a. Day fine. $\Delta$ p. $\Delta$ p.
5	30.096	30.151	59.1	55.0	54.2	65.6	435	389	87	90	W 3	NW 1	6	8	0.110	Coloured $\Delta$ 5a.
6	29.998	29.870	57.6	57.8	58.9	65.0	412	448	85	93	SW 2	W 5	7	4	0.010	with squalls all day. $\infty$ .
7	30.068	30.022	58.5	56.8	54.7	68.0	398	400	81	86	SW 7	W 6	7	4	0.030	
8	30.046	29.999	56.8	59.1	54.8	60.3	424	418	86	100	SW 4	W 3	8	10	0.650	and a. p.
9	30.002	29.896	60.2	60.0	58.7	61.3	417	406	90	98	N 2	Calm 0	5	10	0.050	
10	29.999	30.076	61.0	58.4	55.4	65.0	404	444	87	91	SE 1	W 1	10	10	0.100	
11	30.060	30.061	60.3	60.0	58.7	61.3	400	425	99	99	SE 1	E 3	10	0	—	$\infty$ a. Damp. Very fine later.
12	30.016	29.890	65.7	64.8	68.0	74.3	509	558	95	91	Calm 0	E 3	1	1	—	Very fine and hot.
13	29.886	29.886	72.9	70.9	69.7	70.4	513	490	100	96	NW 3	W 1	10	9	—	9a.
14	29.873	29.995	68.8	61.6	57.8	68.9	464	426	78	91	W 2	E 1	9	8	0.100	Very fine a.
15	30.005	29.999	60.2	60.1	57.8	63.9	400	471	87	91	W 2	E 1	9	8	0.100	all day, rising to a gale at night.
16	29.775	29.775	62.9	56.0	54.9	65.6	427	416	75	92	SW 4	W 3	10	9	0.273	
17	29.739	29.739	56.3	57.2	53.2	61.5	439	468	97	96	SW 4	SW 1	10	10	0.096	till 2p. $\Delta$ p.
18	29.807	29.807	56.3	58.1	54.5	61.5	439	468	97	96	SW 4	SW 1	10	10	0.096	Scotch $\Delta$ a.
19	29.886	29.886	59.7	61.2	57.2	62.2	499	503	98	94	S 3	S 2	9	9	0.001	T° in S.E. 9a. T 3.50p.
20	29.785	29.785	60.2	64.3	60.6	68.8	530	538	85	90	S 3	S 2	9	9	0.130	Squally a.
21	29.702	29.702	64.4	59.5	58.8	68.0	551	454	91	90	S 2	SW 2	8	10	0.060	Squally a. Scotch $\Delta$ p.
22	29.830	29.830	60.1	60.0	57.3	67.9	452	459	87	89	SW 4	SW 2	10	10	0.098	$\Delta$ p.
23	29.842	29.842	62.0	58.0	57.4	66.2	520	470	94	97	S by W 5	SE 1	10	10	0.008	all day, force 4-7. Sea rough p.
24	30.073	30.073	62.1	60.1	56.4	68.1	493	490	92	82	WSW 4	W by S 4	9	0	0.020	p. Steady. (Incessant rain.)
25	29.956	29.972	60.7	58.0	56.8	65.8	487	399	92	82	W 4	W 4	4	0	0.633	$\Delta$ till 2p. 21 hours' p.
26	29.905	29.905	61.6	57.1	56.2	64.9	423	379	78	82	W 5	SW 3	10	10	0.502	Scotch $\Delta$ a. Red sunset.
27	29.836	29.836	60.5	62.9	56.2	67.5	484	553	92	97	SSW 4	SW 3	10	9	0.003	Squally $\Delta$ a. $\Delta$ p.
28	29.795	29.795	63.7	60.0	58.4	63.7	526	429	98	83	SW 4	SW 2	10	9	0.003	Very fine day. $\Delta$ p.
29	29.973	29.973	60.2	57.7	57.3	64.5	429	417	83	87	SW 5	SW 2	7	4	0.140	Day very fine. $\Delta$ p.
30	30.069	30.069	60.5	59.4	56.9	66.6	425	386	85	84	SW 2	NW 1	7	2	0.001	
31	30.182	30.182	61.7	52.3	51.4	65.2	389	328	72	84	WNW 2	NW 1	7	2	0.001	
Means	29.935	29.944	61.2	59.6	56.4	66.5	473	461	87.6	89.8	3.2	2.5	8.3	6.8	3.956	

Note: The observations from the 5th-15th inclusive were (except rainfall) taken at Noirmont (the Telegraphic Reporting Station), with Standard instruments.

## LONDONDERRY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

AUGUST 1879.

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	29.851	30.082	57.7	53.1	50.7	62.4	368	344	77	84	W 3	W 2	8	7	0.030	Squally with $\Delta$ a. Finer p.
2	30.182	30.182	59.5	54.7	47.5	63.2	325	351	64	81	NE 2	NE 1	3	8	—	Fine all day.
3	30.000	29.804	54.7	54.7	51.0	58.0	346	407	80	95	W 2	Calm 0	10	10	0.460	10a.-11.30a. $\Delta$ 4p. $\Delta$ 2p.-5p.
4	29.826	29.826	56.1	54.8	53.5	62.8	382	402	84	94	WNW 3	Calm 0	10	8	0.100	Fine till 3p. $\Delta$ in the evening.
5	29.762	29.762	58.7	55.2	51.4	64.0	395	384	79	88	SW 1	N 2	5	8	0.150	
6	29.694	29.694	53.7	51.7	51.0	58.0	362	373	88	97	N 2	NW 1	10	10	0.160	
7	29.768	29.768	53.7	53.2	50.5	56.4	402	355	97	88	WNW 2	Calm 0	10	10	0.060	
8	29.875	29.875	53.5	52.7	50.0	58.0	326	334	79	84	SE 1	NE 2	10	6	—	
9	30.014	30.037	54.2	50.7	48.0	61.5	342	300	81	81	NE 2	SE 2	10	10	0.030	
10	29.975	29.880	54.2	55.7	45.0	59.0	306	353	73	79	NE 1	SSE 1	7	10	0.010	Fine. Highest temp. of the year as yet.
11	29.888	29.888	66.1	64.7	50.5	73.0	492	528	77	86	SE 1	SSE 1	7	10	0.030	$\Delta$ n. T° 1p. Fair evening.
12	29.777	29.777	64.7	62.0	68.0	68.0	528	490	86	74	SE 2	SE 2	10	10	0.010	$\Delta$ in past n.
13	29.561	29.775	63.7	57.5	57.0	67.2	463	418	80	90	SW 1	E 1	7	3	—	Fine.
14	30.010	30.051	60.2	55.2	54.0	65.4	418	393	80	90	S 1	Calm 0	4	10	0.040	Fine day. $\Delta$ began at 9p.
15	29.929	29.798	63.7	59.7	48.8	67.5	372	436	63	86	S 1	NW 1	10	10	0.050	
16	29.740	29.740	58.2	54.3	53.8	61.8	421	384	87	91	NW 1	NW 1	10	10	0.020	
17	29.643	29.643	54.7	54.8	52.4	56.5	374	402	88	94	WNW 2	WNW 1	10	10	0.040	
18	29.693	29.693	57.0	57.7	53.4	62.4	408	437	88	92	W 1	E 1	10	2	0.030	
19	29.718	29.718	57.0	58.2	53.8	62.5	431	445	92	91	E 1	E 1	10	2	0.030	
20	29.482	29.482	58.2	58.7	54.0	64.0	460	495	95	100	SW 1	S 2	2	10	0.190	Fine during day. $\Delta$ from 8p.
21	29.550	29.550	55.0	53.7	52.8	58.2	390	390	100	94	SW 2	SW 2	10	2	0.010	$\Delta$ a. Fine and clear day.
22	29.586	29.586	55.0	53.7	52.8	58.2	390	390	100	94	SW 2	SW 2	10	2	0.010	
23	29.707	29.707	57.7	55.2	51.5	64.9	395	426	82	86	SW 2	SW 3	6	10	0.240	$\Delta$ 2 with 11a.-2p. and 5p.-7p.
24	29.932	29.932	57.7	58.5	49.4	64.9	395	426	82	86	SW 2	SW 3	6	10	0.240	
25	29.389	29.389	56.7	49.3	48.8	59.5	344	328	74	94	SW 3	W 1	7	8	0.440	
26	29.468	29.468	57.3	57.6	55.9	61.4	369	373	78	90	W 3	W 1	7	8	0.440	
27	29.105	29.105	55.2	55.2	51.7	62.8	398	370	91	85	SSW 4	WSW 3	10	7	0.420	Squally during day.
28	29.168	29.168	57.7	53.2	51.0	59.9	379	397	92	92	NW 3	Calm 0	8	1	0.610	$\Delta$ during the day. $\Delta$ 6.30p.
29	29.451	29.451	54.7	48.2	45.0	57.7	391	397	92	92	NW 3	Calm 0	8	1	0.610	[Bar. 28.712.6.30p. then began to rise with wind veering W.N.W.]
30	29.735	29.735	53.7	48.7	44.5	56.5	324	324	78	94	SW 3	Calm 0	8	5	0.360	Fine a. $\Delta$ 11a.-Noon.
31	29.993	29.993	54.1	48.2	45.0	56.5	285	293	69	88	NW 2	Calm 0	5	2	0.020	Fine all day.
Means	29.713	29.737	57.4	55.0	51.1	61.9	392	388	82.5	89.0	1.9	1.2	8.2	7.8	3.970	

AUGUST.

## MARKREE CASTLE, SLIGO.

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

AUGUST 1879.

AUGUST 1879.

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.	56.2	51.1	49.1	61.6	ins.	ins.	88	88	N 3	NW 2	6	2	ins.	
2	29.904	30.120	57.8	53.9	50.9	64.4	355	322	78	82	NE 1	Calm 0	3	9	—	$\Delta$ 2 ga.
3	30.175	30.106	57.8	53.9	50.9	64.4	355	322	78	82	NE 2	Calm 0	10	10	0.003	T at Noon.
4	29.942	29.868	59.0	52.4	50.4	62.6	359	369	72	94	SW 1	SSE 2	10	10	0.064	
5	29.851	29.805	58.1	55.4	50.5	65.4	369	374	77	86	Calm 0	NNW 2	6	10	0.056	
6	29.741	29.720	57.2	55.2	47.7	63.1	378	376	81	87	N 3	NW 4	9	2	—	$\Delta$ 2 op.
7	29.701	29.820	55.2	51.0	50.7	60.2	379	347	87	66	NW 1	Calm 0	10	2	—	$\Delta$ 2 in past n. $\Delta$ 2 $\oplus$ 9 ga. $\Delta$ p.
8	29.853	29.925	56.4	48.8	39.6	61.5	363	315	71	93	Calm 0	NNE 1	9	0	—	
9	30.066	30.094	51.8	52.6	42.5	63.2	376	316	98	79	NNW 1	NW 2	9	10	0.048	
10	29.919	29.838	51.1	55.1	43.5	68.4	325	388	86	89	S 2	SSE 4	4	10	—	
11	29.850	29.822	66.4	63.2	54.6	74.0	501	506	78	88	SSE 4	SE 5	4	10	0.030	$\Delta$ 2 ga.
12	29.729	29.799	64.0	64.0	61.8	67.8	553	502	93	84	S 5	Calm 0	10	9	0.002	
13	29.758	29.794	59.3	56.2	56.1	66.1	435	379	87	84	SSE 2	Calm 0	4	9	—	$\Delta$ 2 ga. and op. $\Delta$ p.
14	30.029	30.030	61.0	56.4	48.8	67.8	399	394	75	87	SW 2	Calm 0	10	10	0.977	$\Delta$ 2 ga.
15	29.879	29.775	57.0	55.6	50.6	63.1	383	427	83	97	N 5	NNW 2	10	8	0.024	
16	29.766	29.731	54.1	52.3	52.1	59.5	367	331	88	84	N 5	NNW 2	10	8	0.008	
17	29.678	29.677	54.5	52.3	50.5	60.2	357	352	85	90	ENE 1	Calm 0	7	10	0.130	$\Delta$ 2 ga.
18	29.673	29.723	59.2	55.3	44.3	66.2	378	402	75	92	N 2	Calm 0	8	5	0.179	
19	29.717	29.585	57.1	54.6	53.3	65.4	379	386	82	90	SW 1	WSW 2	4	10	0.105	$\Delta$ NW, 4 p.
20	29.476	29.549	61.2	57.2	54.4	67.6	425	434	79	93	S 1	Calm 0	9	10	0.121	$\Delta$ 6 p.
21	29.530	29.320	50.1	53.9	45.3	66.3	393	380	87	93	S 2	Calm 0	10	8	0.015	$\Delta$ 11 a. $\Delta$ 2 op.
22	29.303	29.682	55.1	55.2	50.0	57.9	391	374	90	93	NNW 2	Calm 0	6	0	0.123	$\Delta$ 2 ga.
23	29.722	29.886	58.0	50.1	49.3	64.2	388	336	80	93	S 1	SSE 3	9	10	0.507	$\Delta$ 2 during the day.
24	29.934	29.612	54.2	57.0	44.1	64.4	394	420	94	90	SSW 2	SSW 2	8	10	0.386	$\Delta$ 0 ga.
25	29.406	29.361	53.8	50.5	48.3	67.8	387	347	85	95	SSW 3	SW 2	10	10	0.112	$\Delta$ 0 p.
26	29.520	29.595	56.1	53.2	46.2	60.8	393	374	87	79	SSE 4	WSW 2	7	9	0.278	Sharp squalls ga. and p. $\Delta$ p.
27	29.084	29.274	58.0	55.0	50.3	66.2	463	339	96	82	SSW 5	WSW 4	9	0	0.019	$\Delta$ 0 ga. $\Delta$ 2 during day. $\Delta$ p.
28	29.009	29.166	57.2	52.1	49.4	60.4	380	342	93	92	SSW 4	Calm 0	9	0	0.455	$\Delta$ 2 op. Morning obs. taken at 9.30 a.
29	29.555	29.797	52.7	45.3	44.9	58.4	378	279	95	92	S 5	SW 1	8	5	—	
30	29.732	29.784	53.0	45.3	40.4	56.1	337	297	81	90	NW 2	Calm 0	4	3	—	
31	30.056	30.265	52.6	42.1	41.3	57.9	395	255	77	95	NW 2	Calm 0	1	4	4.409	
Means	29.718	29.742	56.7	53.2	48.3	62.9	382	361	83.1	88.4	2.3	1.4	8.0	7.2	4.409	



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

AUGUST 1879.

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°7	50°6	46°7	55°5	in.	in.	°/o	°/o	NW	3	NW	0.5	4	1	ins.	Day fine.
2	29°954	30°156	58°7	50°6	46°7	55°5	366	319	75	87	ESE	2	NE	2	1	10	°667	
3	29°192	30°072	58°3	54°2	40°3	55°3	348	298	72	71	NE	5	Calm	0	10	10	°261	☁ 9p.
4	29°885	29°890	57°8	53°5	51°1	59°2	361	393	76	96	SSW	1	Calm	0	6	10	°026	
5	29°915	29°910	58°4	50°0	47°4	66°2	391	445	78	92	Calm	0	Calm	0	9	8	°493	
6	29°761	29°735	57°1	52°7	52°5	62°8	386	367	82	92	WNW	4	WSW	1	5	1	°018	
7	29°800	29°871	58°5	50°8	49°3	62°8	355	329	73	88	SW	2	WSW	2	2	10	—	
8	29°860	29°912	56°4	53°6	53°0	61°2	377	379	83	93	SSW	2	Calm	0	10	10	°066	
9	29°337	30°028	55°8	54°6	41°8	65°4	296	346	67	81	WNW	0.5	SSE	3	1	10	—	Very bright early a. Edges of cir.-c. [very rough.]
10	29°909	29°867	57°7	58°5	50°7	61°3	333	407	70	96	SSE	4	SSW	4	10	5	°246	
11	29°891	29°866	68°5	62°9	58°3	78°5	503	516	73	91	SSE	3	SSE	3	7	10	°003	Day fine. Clouds moving very swiftly.
12	29°740	29°621	63°7	62°7	62°4	69°9	530	496	92	88	SSW	3	WSW	4	10	8	°007	
13	29°605	29°874	61°4	54°5	54°5	67°1	451	370	84	88	S	3	SSW	2	10	1	—	
14	29°069	30°074	59°6	56°8	48°9	68°8	403	382	79	85	SSW	0.5	SSE	3	2	1	—	
15	29°908	29°775	58°7	55°9	50°1	67°4	406	425	83	95	SSE	3	Calm	0	9	10	°793	
16	29°769	29°768	53°4	50°0	50°0	61°5	385	327	94	91	NNW	4	NNW	2	10	0	°013	
17	29°716	29°716	57°7	50°8	45°0	63°5	349	319	73	86	NW	4	Calm	0	4	0	—	Day very fine.
18	29°693	29°694	58°7	57°4	42°0	65°6	339	446	69	95	SSE	1	SSW	3	3	10	°169	
19	29°751	29°582	56°8	57°1	56°8	64°2	369	399	80	85	Calm	0	SSE	3	5	10	°043	Sky streaked with cir. throughout the [day.]
20	29°518	29°581	59°7	57°4	54°3	68°5	403	446	79	95	SW	1	Calm	0	10	10	°157	
21	29°555	29°607	60°6	53°2	53°1	66°2	404	382	77	95	SE	3	SE	3	1	6	°334	
22	29°401	29°602	55°5	52°8	48°5	62°9	371	361	85	90	SE	4	WSW	3	10	1	°085	
23	29°773	29°933	58°7	51°1	46°3	66°3	397	345	81	92	SSW	1	Calm	0	7	4	—	
24	29°955	29°692	58°1	57°1	44°1	60°0	379	418	79	89	S	3	Calm	0	10	10	°189	
25	29°552	29°441	52°9	54°2	49°7	61°5	357	358	89	85	SW	4	WSW	7	10	10	°814	☉ began after 9p.
26	29°594	29°666	57°6	53°1	48°8	62°3	394	360	83	89	NW	2	SE	3	5	10	°307	
27	29°181	29°366	59°0	55°7	50°1	64°9	470	335	95	76	SSW	3	WSW	5	10	10	°012	
28	29°240	29°292	58°2	54°3	52°1	63°9	321	321	71	76	SW	5	W	7	9	2	°100	
29	29°640	29°866	56°6	48°6	48°3	61°8	349	297	76	88	W	4	Calm	0	9	1	°027	
30	29°810	29°841	59°9	48°0	43°3	59°3	336	212	73	92	SW	3	WSW	4	8	10	°408	
31	30°082	30°317	53°1	45°1	42°5	61°0	204	276	73	92	SW	3	S	0.2	1	0	—	
Means	29°762	29°780	58°0	54°1	49°2	64°6	379	373	78°6	88°5	2°6		2°1	6°7	6°4	4°58		

Height above Mean Sea Level, 14 feet. Long.  $5^{\circ} 41' W.$  Lat.  $56^{\circ} 41' N.$

SEPTEMBER 1879.

1	30°231	30°161	54°0	56°0	44°4	58°0	*412	*449	99	100	WSW 3	WSW 4	7	9	2180	☼ ga. and gp. Very stormy.
2	29°925	29°909	58°0	58°5	47°3	61°0	*476	*444	99	101	WSW 9	WSW 8	10	10	1°740	☼ ga.
3	29°767	29°899	59°0	55°1	48°0	62°0	*497	*374	99	86	WSW 7	WSW 4	10	8	*290	☼ gp. Constant ☼ from midt. 1st
4	30°098	30°117	54°0	53°0	49°4	56°0	*412	*385	99	99	W 3	W 1	6	7	—	[till 2p. 3rd. 4:21 ins. in 38 hours.
5	30°033	29°864	53°0	54°5	42°0	65°0	*238	*411	59	97	E 1	SSW 4	2	10	*580	☼ a. ☼ gp.
6	29°464	*533	59°0	57°5	52°8	61°8	*385	*428	77	90	S 5	S 1	10	10	*380	☼ ga.
7	*604	*200	59°0	60°5	55°2	66°2	*430	*395	87	75	SSE 1	SSE 3	10	10	*280	
8	*276	*240	54°9	54°2	53°2	60°5	*303	*415	70	99	S 7	S 4	10	10	*030	
9	*408	*709	55°0	54°0	51°0	63°0	*320	*334	74	80	E 1	NW 2	4	2	*010	
10	*884	*861	53°0	54°0	48°8	56°0	*320	*394	79	94	NW 2	WSW 1	8	10	*360	☼ ga.
11	*611	*459	54°0	50°9	52°1	57°0	*363	*349	87	94	SSW 2	SSW 2	10	10	*580	☼ ga.
12	*307	*376	52°0	51°0	50°0	56°5	*310	*304	80	81	S 4	SW 2	10	8	*540	☼ ga.
13	*567	*602	54°2	50°8	45°4	58°2	*290	*366	69	82	W 2	W 1	3	2	*110	
14	*697	*810	54°0	56°0	45°1	56°0	*327	*313	81	69	SW 1	SW 6	10	8	*040	☼ ga.
15	29°912	*964	54°9	54°5	51°1	57°9	*326	*330	76	78	SW 3	SW 1	10	5	*020	☼ gp.
16	30°047	*999	53°0	52°5	47°8	59°5	*363	*329	90	83	Calm 0	Calm 0	10	10	*030	☼ gp.
17	29°084	29°985	53°0	54°1	50°2	57°2	*340	*307	84	88	S 1	Calm 0	10	10	—	
18	29°084	30°075	53°8	54°9	50°0	62°2	*322	*333	77	78	SE 1	ESE 1	10	9	*060	
19	30°150	30°072	51°1	51°0	43°8	62°0	*322	*299	85	80	Calm 0	Calm 0	8	10	*270	
20	29°757	29°717	56°7	51°0	44°8	60°8	*338	*323	74	86	SW 6	W 6	10	10	*250	☼ ga. and gp.
21	*775	*534	51°8	50°0	48°1	56°2	*313	*286	81	80	SW 2	SW 2	5	10	*360	
22	29°717	*388	51°3	50°0	47°2	51°3	*237	*265	63	74	W 3	S 5	3	10	1°450	
23	28°896	*271	48°0	47°0	44°1	60°0	*309	*275	93	86	WSW 10	SW 5	8	2	*220	☼ ga.
24	29°418	*624	50°2	44°8	40°7	53°6	*259	*220	72	74	WSW 2	W SW 1	3	10	*200	
25	29°751	29°873	47°8	45°2	40°4	60°2	*245	*269	74	90	WSW 1	W SW 3	9	6	*260	
26	30°043	30°193	48°0	47°6	45°2	56°9	*247	*209	74	64	WSW 3	Calm 0	6	2	*100	
27	30°115	29°805	51°2	50°1	39°8	57°0	*272	*387	72	85	S 7	SW 8	10	10	1°950	☼ ga.
28	29°815	29°897	51°2	50°0	49°3	58°0	*328	*245	87	68	SW 1	SW 2	9	1	*060	☼ ga.
29	29°967	30°091	53°6	50°2	47°0	56°0	*263	*263	64	73	WSW 5	WSW 2	5	0	*100	
30	30°021	29°872	51°8	52°0	47°2	61°0	*285	*312	74	80	S 3	S 5	9	10	*480	
Means	29°775	29°773	53°4	52°5	47°3	58°9	*329	*334	80°0	83°5	3°2	2°8	7°8	7°6	12°922	

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

SEPTEMBER 1879.

[illegible]

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

SEPTEMBER 1879.

	10 a.m.	10 p.m.	10 a.	10 p.	Min.	Max.	10 a.	10 p.	10 p.	10 a.m.	10 p.m.	10 a.	10 p.	10 a.
1	30° 374	30° 358	54° 9	48° 0	44° 0	62° 6	281	65	85	WSW 0° 5	SSW 1° 3	6	5	° 071
2	30° 164	30° 074	53° 6	56° 1	45° 4	57° 0	301	372	73	82	SW 2° 4	WSW 2° 8	9	10
3	29° 979	29° 911	58° 3	56° 1	55° 3	65° 3	379	399	78	86	WSW 1° 3	WSW 1° 7	1	10
4	30° 137	30° 140	58° 4	50° 9	47° 4	65° 8	427	327	87	88	Calm 0	SSW 1° 4	2	7
5	30° 069	29° 039	54° 3	51° 7	48° 0	65° 2	382	360	90	94	SSE 0° 6	SSE 0° 4	10	10
6	29° 81	° 669	55° 9	58° 1	50° 8	67° 1	413	462	92	95	S 0° 8	S 0° 8	10	8
7	° 519	° 441	67° 1	52° 2	52° 0	70° 3	415	340	63	87	SE 0° 8	S 2° 3	2	0
8	° 522	° 368	57° 6	51° 5	47° 5	62° 9	391	334	64	88	S 3° 2	SSE 1° 8	3	6
9	° 275	° 647	52° 3	48° 9	48° 4	57° 1	384	320	98	93	NE 0° 2	NW 0° 8	10	0
10	° 864	° 903	55° 6	52° 9	45° 4	62° 4	342	364	77	91	NW 0° 8	WSW 0° 8	3	10
11	° 782	° 573	54° 7	54° 9	50° 3	56° 4	374	379	88	89	SSW 1° 0	S 2° 0	10	10
12	° 459	° 524	57° 6	51° 7	51° 2	65° 5	359	344	76	89	SSW 1° 3	SSW 0° 9	9	5
13	° 656	° 725	58° 1	50° 3	45° 5	63° 6	339	331	60	91	SW 0° 6	NNW 0° 3	8	10
14	° 774	29° 908	60° 1	49° 1	43° 6	65° 5	353	321	68	92	SSE 0° 4	SSW 0° 9	6	0
15	29° 956	30° 013	56° 9	51° 7	47° 0	58° 6	403	337	87	87	SSW 0° 5	NNW 0° 1	10	10
16	30° 055	° 063	56° 5	52° 0	49° 9	61° 2	341	345	75	89	S 0° 1	Calm 0	10	10
17	30° 017	° 006	59° 9	52° 3	50° 7	64° 6	381	349	74	89	SSE 0° 7	ESE 0° 1	0	10
18	29° 973	° 024	58° 3	52° 1	48° 5	65° 6	411	379	85	97	ENE 0° 1	NNE 0° 2	9	5
19	30° 157	30° 118	52° 4	50° 7	50° 5	55° 0	355	357	90	96	N 0° 8	SSW 0° 6	10	7
20	29° 919	29° 840	55° 3	50° 3	41° 0	60° 5	340	319	78	88	SW 2° 3	WSW 0° 7	8	1
21	° 896	° 662	55° 7	49° 6	47° 6	59° 1	329	332	74	94	SW 1° 7	SSW 2° 0	6	6
22	° 692	° 644	53° 4	44° 3	43° 0	59° 1	275	260	68	89	WNW 5° 0	S 1° 4	0	0
23	° 303	° 424	57° 3	43° 8	42° 9	58° 2	309	253	66	88	SW 2° 8	SSW 0° 8	4	1
24	° 462	29° 686	48° 9	43° 7	35° 9	56° 6	277	247	80	86	N 0° 2	SW 0° 5	9	4
25	29° 901	30° 070	51° 9	47° 1	39° 3	56° 2	272	300	71	93	W 1° 5	S 0° 8	5	7
26	30° 111	° 256	53° 8	42° 8	42° 5	61° 1	345	247	83	90	SSW 2° 6	WNW 0° 7	9	0
27	30° 277	30° 063	53° 9	50° 8	33° 6	59° 1	277	349	67	93	SSW 1° 1	S 2° 7	0	10
28	29° 847	29° 969	54° 1	46° 7	46° 4	56° 4	379	284	90	89	S 3° 0	NW 0° 5	10	9
29	30° 080	30° 215	54° 4	40° 5	35° 3	62° 7	296	239	70	95	WSW 1° 0	W 0° 2	1	6
30	30° 187	29° 947	51° 6	52° 7	33° 8	57° 2	311	382	81	96	SSE 0° 7	S 0° 8	1	10
Means	29° 873	29° 873	55° 8	50° 1	45° 2	61° 3	345	330	77° 6	90° 3	1° 3	1° 0	6° 0	6° 2
														1° 244

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## DOUGLAS, ISLE OF MAN.

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

SEPTEMBER 1879.

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°	54°	54°	54°	ins.	ins.	70	83	SW 3	SW 3	7	9	ins.	☉ at night.
2	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
3	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
4	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
5	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
6	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
7	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
8	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
9	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
10	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
11	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
12	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
13	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
14	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
15	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
16	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
17	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
18	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
19	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
20	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
21	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
22	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
23	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
24	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
25	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
26	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
27	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
28	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
29	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
30	30°385	30°362	54°	54°	54°	54°	30°385	30°362	70	83	SW 3	SW 3	7	9	ins.	
Means	29°885	29°864	54°6	54°8	54°7	54°9	30°363	30°353	84°6	94°0	3°1	2°8	7°5	6°9	4°968	

Observer remarks: A very wet cold month. Corn cutting only just commenced at the end of the month.

## WAKEFIELD.

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

SEPTEMBER 1879.

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°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	Very fine but cold.
2	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	Threatening appearance <i>gp.</i>
3	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	Rough and wild <i>n.</i> Fine bright day.
4	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	Roll cum. ENE.—S., closely packed, <i>ga.</i>
5	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
6	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
7	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
8	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
9	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
10	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
11	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
12	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
13	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
14	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
15	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
16	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
17	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
18	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
19	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
20	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
21	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
22	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
23	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
24	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
25	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
26	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
27	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
28	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
29	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
30	30°426	30°429	55°8	50°7	42°3	63°6	335	313	75	85	WSW 2	WSW 3	4	2	ins.	
Means	29°924	29°918	54°8	53°2	47°2	61°4	346	347	80°5	85°1	2°1	2°2	6°7	5°5	1°310	

## KELSTERN.

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

SEPTEMBER 1879.

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.	56°	48°	38°	63°	ins.	ins.	76	87	SW 1	WSW 1	0	0	ins.	Very fine all day.
2	30°433	30°449	56°	48°	38°	63°	30°433	30°449	76	87	SW 3	SW 4	9	7	—	
3	349	218	56°	56°	41°	61°	305	334	84	75	SSW 3	WSW 2	1	0	—	Very fine all day.
4	115	006	56°	53°	45°	68°	336	308	73	76	NE 2	E 1	4	9	—	
5	145	30°188	58°	49°	47°	61°	311	335	63	94	E 2	ESE 2	10	10	003	before ga. ∞. [ later. D op
6	30°098	29°966	56°	53°	47°	63°	386	385	86	94	E 1	E 1	10	5	013	
7	29°816	721	58°	55°	53°	64°	460	434	97	100	E 1	E 1	10	5	014	
8	611	534	62°	59°	54°	69°	397	416	72	82	SSW 2	SW 5	1	9	026	
9	662	511	67°	51°	45°	64°	336	333	73	86	SW 4	S 3	1	0	137	
10	364	29°632	52°	51°	48°	56°	369	371	92	99	SW 3	WNW 2	10	7	137	
11	890	30°007	54°	50°	46°	62°	371	334	87	93	NW 3	W 1	7	8	—	
12	910	29°767	54°	53°	48°	61°	374	373	87	92	SW 2	S 3	9	10	566	
13	591	589	54°	59°	52°	59°	428	461	100	98	SSW 4	SSW 3	10	2	054	
14	705	720	55°	55°	50°	61°	413	436	92	100	SW 1	Caln 0	9	10	688	
15	29°805	29°976	55°	47°	47°	64°	364	306	84	93	NNW 1	NW 1	2	0	—	Very fine day.
16	30°014	30°025	55°	53°	42°	64°	352	356	81	85	W 1	NE 1	7	10	—	
17	066	30°077	56°	51°	51°	50°	412	379	91	98	NNE 1	NE 1	9	0	—	∞ ga.
18	30°020	29°989	55°	53°	49°	62°	415	416	93	100	E 1	NNE 1	9	10	030	
19	29°966	30°022	56°	54°	52°	61°	443	421	99	99	NE 1	NNW 1	10	9	—	a. ∞ p.
20	30°141	30°175	54°	52°	49°	62°	381	385	89	97	NNW 1	ESE 1	9	10	—	
21	30°064	29°962	55°	53°	51°	63°	416	353	93	85	SW 2	SW 2	7	1	—	a. and p. Very fine late p.
22	29°995	809	53°	50°	47°	58°	339	367	86	99	WSW 2	SW 4	7	9	185	
23	809	807	53°	44°	42°	59°	335	266	80	90	WNW 4	SW 1	1	1	118	Very fine late p.
24	424	485	53°	47°	43°	60°	407	275	95	86	SW 5	WSW 1	10	2	272	
25	29°431	29°681	45°	45°	43°	43°	289	268	95	94	NE 1	NE 1	10	10	525	[in aft
26	30°015	30°106	49°	46°	38°	55°	290	288	84	91	WSW 3	SSW 2	0	1	024	
27	255	270	53°	48°	39°	59°	342	336	83	99	WSW 3	W 1	1	2	058	a. Very fine a. and p. K 0
28	321	30°231	51°	46°	37°	60°	290	243	76	79	N 1	SW 2	0	2	—	
29	063	29°986	50°	52°	44°	56°	352	394	95	100	SSW 5	SW 3	10	10	452	a. and p. [in aft
30	125	30°238	51°	42°	41°	57°	290	243	78	91	WNW 2	Caln 0	2	0	—	
30	30°216	30°056	52°	51°	37°	59°	353	362	91	94	E 1	S 3	6	3	136	
Means	29°948	29°943	54°	51°	46°	61°	364	349	85°	91°	2°	1°	6°	5°	3°	471



## BUXTON.

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

SEPTEMBER 1879.

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	45.5	39.7	61.4	ins.	ins.	85	94	W 2	NW 2	3	2	—	
2	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
3	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
4	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
5	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
6	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
7	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
8	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
9	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
10	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
11	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
12	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
13	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
14	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
15	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
16	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
17	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
18	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
19	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
20	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
21	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
22	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
23	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
24	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
25	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
26	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
27	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
28	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
29	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
30	30.438	30.407	50.3	50.4	41.9	60.4	321	312	88	86	SW 3	SW 2	5	8	—	
Means	29.956	29.969	52.3	49.8	44.0	58.1	334	327	85.0	90.8	1.9	2.2	7.0	6.1	4.475	

## HILLINGTON, NORFOLK.

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

SEPTEMBER 1879.

1	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	D <sup>2</sup> a. and op. Very fine and sunny.
2	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Clear at night.
3	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine.
4	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine from 11 a. Chilly
5	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine morning. D <sup>2</sup> op.
6	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
7	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
8	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
9	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
10	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
11	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
12	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
13	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
14	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
15	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
16	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
17	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
18	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
19	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
20	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
21	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
22	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
23	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
24	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
25	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
26	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
27	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
28	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
29	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
30	30.449	30.460	58.1	43.9	35.2	66.6	365	287	76	100	WNW 1	E 0.5	0	10	—	a. and op. Very fine early a. D <sup>2</sup> op.
Means	29.960	29.946	56.6	51.7	45.6	64.2	346	377	88.4	97.3	2.4	1.4	6.7	5.9	3.316	

Observer remarks: Constant ☁ and exceptionally ☁ prevailed during the whole month. Harvest completed on September 28th, nearly, if not quite, the latest on record. Crops fairly good.

## UPPINGHAM.

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

SEPTEMBER 1879.

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.	55.3	49.7	41.3	65.1	ins.	ins.	85	94	S by W 1	Calm 0	0	0	ins.	Bright all day.
2	30.455	30.467	55.3	51.6	43.2	64.6	318	261	72	73	SSW 2	S 2	9	8	—	Bright all day, with very little scud
3	30.460	30.443	56.8	52.0	44.7	68.3	338	303	73	78	SW 2	S by W 1	0	0	—	Very bright and fine all day. (str.)
4	30.460	30.449	54.5	51.3	40.7	67.8	332	362	83	96	NE 3	Calm 0	10	10	0.10	
5	30.065	29.046	58.1	54.1	49.9	61.6	392	399	80	95	ESE 1	Calm 0	10	10	0.33	Gloomy all day. ☁ p.
6	29.814	29.717	58.4	58.3	51.2	65.3	364	474	95	97	Calm 0	ESE 1	10	10	—	☁ 9a. and p.
7	29.600	29.560	61.0	55.1	51.0	67.5	394	334	74	76	S 2	S 2-5	3	3	0.10	☁ 11.30a.-2p. Gusty 9p.
8	29.657	29.524	56.5	51.0	47.0	63.6	353	323	77	85	S 3	S 3	4	4	0.130	Bright all day.
9	29.407	29.676	54.5	52.5	49.9	60.0	337	346	79	88	SW 4	SW 4	2	2	0.140	Dull with ☁ showers till 5p.
10	0.911	30.043	56.1	50.3	48.8	59.1	357	320	78	90	WNW 4	W 1	5	10	—	Bright early a. Cum. heavy in NW. 9a.
11	29.949	29.793	54.1	54.8	50.0	59.0	336	350	84	81	SSW 3	S 3-5	10	10	0.100	Dull all day. (str. loose and high.
12	29.609	29.607	56.1	56.8	52.9	59.6	415	437	91	94	S by W 5	SSW 2	10	8	0.30	Dull all day. Clouds dispersing 9p.
13	29.709	29.710	56.7	55.2	49.9	61.3	403	430	88	99	Calm 0	Calm 0	10	10	0.430	☁ 6 noon-4p. ☁ 2 4p.-9p. ☁ 9p.
14	29.803	29.952	55.0	44.9	44.9	65.0	314	254	73	86	NW 1	Calm 0	0	0	—	☁ 10a.-6p.
15	30.012	29.999	56.1	52.7	43.7	67.0	334	339	73	86	Calm 0	WNW 1	1	3	—	☁ 2 a. [☁ 2 in S. 9p.
16	30.042	30.042	57.0	50.0	46.3	66.4	356	337	76	94	E by S 2	E by S 1	0	1	—	☁ 2 a. ☁ a. Bright, warm, calm day.
17	29.982	29.953	55.6	55.3	49.6	62.7	433	429	95	98	ENE 2	NNE 1	10	10	0.31	☁ a. ☁ 2 nearly all day. ☁ 1rp.
18	29.961	30.009	54.5	56.0	52.9	61.7	416	419	98	93	N by W 1	Calm 0	10	7	—	☁ 2 n. ☁ till after 10a. Gloomy [day. ☁ 2 p.
19	30.127	30.163	58.8	56.1	53.6	66.5	408	439	82	97	NE 1	Calm 0	10	10	—	☁ 2 a. Sunshine through high [☁ all day.
20	30.069	29.994	57.2	53.8	52.2	62.9	431	356	92	86	SE 2	SW 3	10	1	—	☁ 2 9a. ☁ all a. Bright, warm aft.
21	30.026	29.847	51.8	50.0	44.7	57.5	338	351	87	95	SSW 2	SSW 1	8	9	0.89	☁ 2 9a. [☁ with rising wind. ☁ 9p.
22	29.868	29.828	51.1	47.1	44.2	57.9	296	270	78	84	WNW 3	SE 2	2	10	0.45	☁ 2 a. Bright early a. Rough and [squally ☁ at night.
23	29.464	29.489	54.5	47.1	46.8	58.4	402	307	95	95	SW 1-3	Calm 0	10	10	0.795	☁ 2 early a. [☁ 2 3p.
24	29.456	29.632	44.6	45.4	44.1	50.0	279	294	95	97	Calm 0	N by E 1	10	10	0.277	☁ 2 n. and a. Bar. rising from 9a.
25	30.033	30.218	48.0	46.9	38.9	55.5	265	281	80	88	W by N 4	SW 2	0	6	0.023	Brilliant till 9a. Overcast noon. ☁ 2
26	29.738	29.729	52.3	50.0	41.6	60.5	334	342	85	95	S by W 1	W 1	2	10	0.051	☁ 2 9a. and before. [☁ 2 9p.
27	29.319	30.238	50.1	49.7	39.1	61.0	385	269	79	72	Calm 0	S 3	1	9	—	☁ 2 9a. and before. Bright till 6p.
28	29.993	29.999	51.7	52.9	45.0	57.7	337	390	88	98	S by W 5	SW 2	10	10	0.520	Squally ☁ early a. ☁ from 4p.
29	30.122	30.224	48.5	41.5	41.5	50.0	274	245	81	94	N by E 2	Calm 0	3	0	—	Bright sun from 8a. ☁ 9p.
30	30.185	30.024	49.9	53.2	38.2	62.0	349	371	97	92	E by S 1	S by E 2	10	10	0.240	☁ 2 early a. Dull a. Cold and cloudy [evening. ☁ at night.
Means	29.958	29.947	54.3	51.5	46.5	61.8	354	343	83.4	89.1	2.0	1.4	6.3	6.6	2.954	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## CHURCHSTOKE.

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

SEPTEMBER 1879.

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°	54°	44°	58°	ins.	ins.	70	87	WNW 2	WSW 0.5	3	0	ins.	Fine and sunny.
2	30.467	30.486	53°	54°	44°	58°	30.467	30.486	70	87	WNW 2	WSW 0.5	3	0	ins.	Fine, clear, and breezy.
3	30.483	30.502	53°	54°	44°	58°	30.483	30.502	70	87	WNW 2	WSW 0.5	3	0	ins.	a. Fine and bright. Threatening p.
4	30.518	30.537	53°	54°	44°	58°	30.518	30.537	70	87	WNW 2	WSW 0.5	3	0	ins.	a. Dull. ☁ or ☁ p.
5	30.559	30.578	53°	54°	44°	58°	30.559	30.578	70	87	WNW 2	WSW 0.5	3	0	ins.	or ☁ all day. Cleared slightly p.
6	30.599	30.618	53°	54°	44°	58°	30.599	30.618	70	87	WNW 2	WSW 0.5	3	0	ins.	a. Clearer but still ☁ or ☁ a.
7	30.639	30.658	53°	54°	44°	58°	30.639	30.658	70	87	WNW 2	WSW 0.5	3	0	ins.	a. Colder. ☁ 10a.—6p.
8	30.679	30.698	53°	54°	44°	58°	30.679	30.698	70	87	WNW 2	WSW 0.5	3	0	ins.	Breezy ☁ showers.
9	30.719	30.738	53°	54°	44°	58°	30.719	30.738	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ showers a.
10	30.759	30.778	53°	54°	44°	58°	30.759	30.778	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. ☁.
11	30.799	30.818	53°	54°	44°	58°	30.799	30.818	70	87	WNW 2	WSW 0.5	3	0	ins.	[Warm and close.
12	30.839	30.858	53°	54°	44°	58°	30.839	30.858	70	87	WNW 2	WSW 0.5	3	0	ins.	Squally a. Showers of small ☁.
13	30.879	30.898	53°	54°	44°	58°	30.879	30.898	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Clear and sunny. Swallows
14	30.919	30.938	53°	54°	44°	58°	30.919	30.938	70	87	WNW 2	WSW 0.5	3	0	ins.	[congregate.
15	30.959	30.978	53°	54°	44°	58°	30.959	30.978	70	87	WNW 2	WSW 0.5	3	0	ins.	a. Dull.
16	30.999	31.018	53°	54°	44°	58°	30.999	31.018	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Mild.
17	31.039	31.058	53°	54°	44°	58°	31.039	31.058	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Gloomy.
18	31.079	31.098	53°	54°	44°	58°	31.079	31.098	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. and p.
19	31.119	31.138	53°	54°	44°	58°	31.119	31.138	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. ☁ ga. and gp. Dull and mild.
20	31.159	31.178	53°	54°	44°	58°	31.159	31.178	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine and bright.
21	31.199	31.218	53°	54°	44°	58°	31.199	31.218	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day. ☁ at night.
22	31.239	31.258	53°	54°	44°	58°	31.239	31.258	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
23	31.279	31.298	53°	54°	44°	58°	31.279	31.298	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
24	31.319	31.338	53°	54°	44°	58°	31.319	31.338	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
25	31.359	31.378	53°	54°	44°	58°	31.359	31.378	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
26	31.399	31.418	53°	54°	44°	58°	31.399	31.418	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
27	31.439	31.458	53°	54°	44°	58°	31.439	31.458	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
28	31.479	31.498	53°	54°	44°	58°	31.479	31.498	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
29	31.519	31.538	53°	54°	44°	58°	31.519	31.538	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
30	31.559	31.578	53°	54°	44°	58°	31.559	31.578	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.
Means	30.967	30.983	53°	54°	44°	58°	30.967	30.983	70	87	WNW 2	WSW 0.5	3	0	ins.	☁ a. Fine day.

## AUDLEY END.

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

SEPTEMBER 1879.

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	30.415	30.470	57°	45°	36°	63°	30.415	30.470	91	94	Calm	Calm	0	0	—	Fine all day. ☁ at night, killing
2	30.432	30.487	57°	45°	36°	63°	30.432	30.487	91	94	Calm	Calm	0	0	—	[plants in flower beds.
3	30.449	30.504	57°	45°	36°	63°	30.449	30.504	91	94	Calm	Calm	0	0	—	Fine all day.
4	30.466	30.521	57°	45°	36°	63°	30.466	30.521	91	94	Calm	Calm	0	0	—	Fine morning with flying ☁ showers.
5	30.483	30.538	57°	45°	36°	63°	30.483	30.538	91	94	Calm	Calm	0	0	—	Fine ga. ☁ a. Angry looking clouds
6	30.500	30.555	57°	45°	36°	63°	30.500	30.555	91	94	Calm	Calm	0	0	—	[all day.
7	30.517	30.572	57°	45°	36°	63°	30.517	30.572	91	94	Calm	Calm	0	0	—	Dull.
8	30.534	30.589	57°	45°	36°	63°	30.534	30.589	91	94	Calm	Calm	0	0	—	Fine ga. Angry looking clouds till 4p.
9	30.551	30.606	57°	45°	36°	63°	30.551	30.606	91	94	Calm	Calm	0	0	—	Wild looking clouds.
10	30.568	30.623	57°	45°	36°	63°	30.568	30.623	91	94	Calm	Calm	0	0	—	☁ a. Wild and angry looking clouds.
11	30.585	30.640	57°	45°	36°	63°	30.585	30.640	91	94	Calm	Calm	0	0	—	[then ☁.
12	30.602	30.657	57°	45°	36°	63°	30.602	30.657	91	94	Calm	Calm	0	0	—	Dull with angry looking clouds till 4p.
13	30.619	30.674	57°	45°	36°	63°	30.619	30.674	91	94	Calm	Calm	0	0	—	Very cloudy a. Fine p. ☁ ga.
14	30.636	30.691	57°	45°	36°	63°	30.636	30.691	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
15	30.653	30.708	57°	45°	36°	63°	30.653	30.708	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
16	30.670	30.725	57°	45°	36°	63°	30.670	30.725	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
17	30.687	30.742	57°	45°	36°	63°	30.687	30.742	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
18	30.704	30.759	57°	45°	36°	63°	30.704	30.759	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
19	30.721	30.776	57°	45°	36°	63°	30.721	30.776	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
20	30.738	30.793	57°	45°	36°	63°	30.738	30.793	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
21	30.755	30.810	57°	45°	36°	63°	30.755	30.810	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
22	30.772	30.827	57°	45°	36°	63°	30.772	30.827	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
23	30.789	30.844	57°	45°	36°	63°	30.789	30.844	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
24	30.806	30.861	57°	45°	36°	63°	30.806	30.861	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
25	30.823	30.878	57°	45°	36°	63°	30.823	30.878	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
26	30.840	30.895	57°	45°	36°	63°	30.840	30.895	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
27	30.857	30.912	57°	45°	36°	63°	30.857	30.912	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
28	30.874	30.929	57°	45°	36°	63°	30.874	30.929	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
29	30.891	30.946	57°	45°	36°	63°	30.891	30.946	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
30	30.908	30.963	57°	45°	36°	63°	30.908	30.963	91	94	Calm	Calm	0	0	—	☁ a. Fine day.
Means	30.967	30.983	57°	45°	36°	63°	30.967	30.983	91	94	Calm	Calm	0	0	—	☁ a. Fine day.

SEPTEMBER.

## CHELTENHAM.

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

SEPTEMBER 1879.

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°	46°	35°	65°	ins.	ins.	80	94	N	1	Calm	0	0	ins.	Very fine.	
2	30°467	30°455	54°	46°	35°	65°	335	289	80	94	N	1	Calm	0	0	0	Very fine.	
3	'416	'328	58°	52°	37°	64°	'318	'347	86	88	S	2	N	1	6	2	Very fine.	
4	'199	'102	57°	48°	47°	66°	'371	'295	79	87	W	1	Calm	0	1	0	Very fine.	
5	'135	'114	54°	58°	39°	63°	'367	'424	86	87	NE	1	N	1	10	10	Very fine.	
6	30°039	29°069	58°	58°	54°	62°	'405	'440	83	90	E	1	Calm	0	10	10	Very fine.	
7	29°790	'621	59°	57°	53°	64°	'433	'355	87	76	Calm	0	S	1	10	0	10° a. Fine afternoon.	
8	'499	'569	61°	55°	54°	65°	'470	'359	85	83	S	5	S	1	9	1	720 showers with squalls till 4p.	
9	'637	'502	59°	52°	48°	65°	'364	'343	73	87	S	3	S	4	6	5	140 Bright a. showers and wind p.	
10	29°460	29°781	57°	54°	51°	60°	'367	'334	77	78	W	5	NW	4	8	8	020 Squally ga. Fine afternoon.	
11	30°003	30°074	55°	53°	41°	61°	'360	'326	83	79	NW	1	NW	1	10	10	—	Fine, pleasant day.
12	29°966	29°797	55°	56°	52°	60°	'394	'389	91	87	SW	1	W	3	10	10	030	
13	'612	'638	59°	54°	54°	62°	'456	'385	91	90	S	4	W	1	10	0	140	
14	'710	29°690	58°	55°	51°	61°	'434	'431	88	99	S	1	NW	1	10	10	250	p.
15	29°853	30°002	54°	46°	46°	65°	'356	'301	83	96	N	2	Calm	0	3	0	—	Splendid day.
16	30°017	29°992	56°	51°	38°	65°	'337	'350	75	92	Calm	0	Calm	0	7	0	—	ga. Splendid day.
17	30°027	'988	54°	56°	43°	65°	'364	'383	86	84	N	1	N	1	3	5	—	Splendid day.
18	29°969	29°932	54°	58°	51°	61°	'408	'460	98	94	N	1	NE	1	10	10	—	Dull.
19	29°977	30°008	58°	50°	49°	61°	'455	'352	93	97	Calm	0	NE	1	10	8	—	Dull.
20	30°166	'159	56°	54°	50°	58°	'413	'414	90	99	NE	1	Calm	0	10	10	—	Gloomy and close. at night.
21	'109	30°108	56°	56°	51°	63°	'595	'400	86	89	NW	2	W	3	10	9	—	Beautiful day.
22	30°037	29°857	54°	53°	45°	59°	'347	'371	81	90	W	1	W	2	10	10	040	Dull. at night.
23	29°930	'817	51°	50°	40°	58°	'277	'291	74	80	W	2	W	2	6	10	090	Dull morning. Very fine day.
24	'478	'483	59°	48°	47°	65°	'406	'332	82	97	W	3	W	1	8	10	460	
25	29°477	29°691	47°	42°	42°	53°	'298	'262	91	96	Calm	0	S	2	10	10	450	at night.
26	30°101	30°283	49°	48°	36°	58°	'263	'399	75	93	W	2	Calm	0	2	0	020	[a brick wall facing south.
27	'303	'293	55°	53°	42°	61°	'367	'383	83	95	SW	2	Calm	0	7	2	050	Peaches just fully ripe to-day, against
28	'307	30°210	54°	46°	44°	60°	'402	'291	95	91	Calm	0	Calm	0	9	0	—	ga. Fine pleasant day.
29	'088	29°974	55°	55°	45°	59°	'361	'418	84	93	S	2	SW	2	9	10	430	
30	'135	30°180	51°	40°	40°	58°	'277	'248	73	98	S	2	Calm	0	3	0	030	Beautiful autumnal day. ap.
30	30°128	29°988	47°	55°	38°	59°	'313	'383	97	89	S	2	S	2	6	10	380	
Means	29°968	29°972	55°	52°	45°	61°	'370	'356	83°	89°	1°	1°	7°	5°	3°	260		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## MARLBOROUGH.

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

SEPTEMBER 1879.

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.	57.6	46.4	35.2	66.9	in.	in.	66	89	Calm	0	1	0	ins.	
2	30.473	30.508	57.3	48.7	38.4	67.7	29.9	29.2	64	85	SW	1	2	0	—	
3	30.450	30.538	58.0	52.7	42.4	70.7	30.7	30.2	70	92	Calm	0	1	0	—	
4	30.425	30.512	58.9	52.7	42.4	70.7	30.7	30.2	70	92	Calm	0	9	10	—	
5	30.400	30.542	58.9	56.9	52.0	63.8	31.8	31.2	85	92	Calm	0	9	10	0.015	
6	30.386	30.536	57.6	54.4	54.0	66.4	31.7	31.2	92	90	E	2	10	0	—	
7	30.359	30.534	59.9	52.7	50.8	63.7	30.0	30.2	97	86	S	2	10	0	0.330	
8	30.345	30.581	59.4	51.1	47.0	63.1	30.7	30.2	91	81	SW	2	6	7	0.135	
9	30.350	30.580	59.0	50.3	50.3	60.7	30.7	30.2	93	82	SSW	1	10	0	0.160	
10	30.312	30.595	55.5	52.0	44.9	64.1	35.5	34.3	80	88	NW	2	9	0	0.015	
11	30.302	30.586	56.0	54.6	50.4	61.7	37.0	37.0	83	87	Calm	0	9	10	0.202	
12	30.268	30.668	56.8	54.6	54.1	58.9	44.6	40.0	96	94	S	2	10	10	0.373	
13	30.231	30.700	56.9	54.7	51.1	62.1	42.1	42.2	91	99	S	1	7	10	0.230	
14	30.238	30.606	56.6	47.2	47.2	65.1	35.2	29.8	76	93	N	1	1	0	—	
15	30.231	30.609	59.6	49.7	39.0	68.5	37.1	32.8	73	92	Calm	0	2	0	—	
16	30.207	30.696	55.0	57.0	47.8	66.2	36.2	38.8	84	83	NE	1	9	10	—	
17	30.192	30.643	55.7	58.1	53.3	61.7	42.2	46.7	95	97	NE	1	10	10	0.030	
18	30.197	30.645	57.6	53.8	53.8	64.1	45.7	40.3	96	97	NE	1	10	10	—	
19	30.145	30.695	55.6	52.6	47.0	63.8	43.3	37.1	98	94	Calm	0	10	8	—	
20	30.139	30.680	57.8	54.7	51.1	65.8	39.3	36.1	82	85	SW	1	2	0	—	
21	30.073	30.704	55.2	53.0	48.0	61.3	34.9	36.4	81	90	Calm	0	8	0	0.015	
22	30.057	30.765	55.0	50.1	42.4	60.6	31.8	29.5	74	81	WSW	1	4	10	0.120	
23	30.034	30.797	56.9	47.8	47.8	59.5	32.3	29.3	93	97	W	1	9	10	0.640	
24	30.000	30.777	47.8	47.6	45.4	61.6	32.5	26.4	98	81	Calm	0	2	10	0.008	
25	30.143	30.305	53.5	46.8	38.8	60.7	28.6	28.6	70	90	SW	1	0	1	0.010	
26	30.137	30.335	56.1	52.7	41.0	64.7	34.4	36.7	77	92	SW	1	2	9	0.065	
27	30.134	30.267	54.3	51.7	48.9	63.9	38.6	35.5	92	92	NW	1	0	2	—	
28	30.145	30.234	54.5	54.1	44.0	59.7	37.0	40.1	88	96	SW	2	10	10	0.400	
29	30.131	30.191	50.6	47.9	47.9	58.7	30.7	30.7	83	90	N	1	8	9	0.050	
30	30.166	30.017	51.7	54.2	47.4	61.3	37.0	39.1	96	93	E	1	10	10	0.510	
Means	30.094	30.084	56.0	52.2	46.9	63.5	37.8	35.6	84.3	90.7	1.0	0.5	6.9	5.5	3.978	

## STRATHFIELD TURGIS.

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

SEPTEMBER 1879.

1	30.461	30.480	60.1	46.7	35.7	69.1	33.1	28.3	64	89	SW	0-1	SW	1	0	0	—	
2	30.455	30.538	60.3	49.8	37.0	68.8	30.5	29.8	70	83	W	2	W	1	0	0	—	
3	30.461	30.509	58.5	50.9	40.2	72.0	35.3	35.5	73	95	SW	3	SW	2	0	0	—	
4	30.439	30.529	61.5	56.0	41.4	72.2	42.1	41.9	78	93	NW	2	SE	1	3	10	—	
5	30.441	30.535	57.8	56.3	51.2	65.2	44.7	42.4	93	93	SE	2	SE	2	10	10	0.020	
6	30.412	30.522	58.4	58.4	53.3	70.6	42.7	45.7	87	94	SE	0-1	SE	2	10	6	—	
7	30.418	30.533	58.6	53.8	45.7	66.1	47.3	37.1	96	89	S	2	W	3-4	10	4	—	
8	30.466	30.596	62.3	53.3	48.1	66.3	36.6	36.0	66	88	S	3	SW	3	5	0	—	
9	30.559	30.806	55.6	53.9	51.8	62.4	37.3	36.0	84	86	SW	4-5	SW	2	10	10	0.045	
10	30.574	30.697	58.0	53.6	46.5	64.2	37.7	36.6	78	89	SW	2	SW	3	8	10	—	
11	30.522	30.875	58.8	57.1	50.2	62.2	38.8	41.9	78	89	SW	3	S	2	7	8	0.007	
12	30.700	30.668	60.1	58.4	55.0	64.6	47.3	47.0	91	97	SW	2	SW	3	9	10	0.118	
13	30.739	30.695	61.1	54.6	51.3	64.4	45.7	41.5	85	97	SW	3	SW	1	10	10	0.468	
14	30.818	30.899	58.4	48.0	48.0	67.9	38.6	32.3	79	97	N	2	N	1	0	0	—	
15	30.830	30.994	55.5	48.0	38.3	60.6	35.7	30.9	81	93	Calm	0	Calm	0	0	0	—	
16	30.812	30.995	56.8	56.1	44.8	65.1	40.3	37.7	82	96	NE	2	NE	2	9	3	—	
17	30.954	30.935	58.3	53.6	54.6	65.1	39.7	47.3	82	96	NE	1	Calm	0	10	10	—	
18	30.958	30.925	58.9	57.3	55.4	64.6	47.9	45.4	97	97	NE	0-1	Calm	0	10	10	—	
19	30.133	30.173	56.8	54.5	53.1	60.5	44.4	41.0	95	97	Calm	0	Calm	0	10	0	—	
20	30.131	30.073	58.7	53.3	53.0	67.8	48.3	36.2	98	83	Calm	0	W	2	10	0	—	
21	30.084	30.915	55.2	54.0	49.1	62.5	37.0	36.9	85	88	W	0-1	SW	2-3	9	10	—	
22	30.935	30.900	55.7	49.5	41.0	61.3	33.4	30.5	76	87	NW	3	SW	2	0	10	0.333	
23	30.573	30.512	57.3	49.9	48.0	61.0	44.3	34.4	94	96	SW	3-4	Calm	0	10	10	0.601	
24	30.504	30.682	49.5	48.6	46.4	61.2	33.9	29.3	96	86	W	0-1	NW	3	10	7	0.051	
25	30.131	30.293	52.8	45.4	37.3	61.7	27.1	28.7	68	95	W	3	NW	2	0	0	—	
26	30.343	30.330	55.8	53.4	40.2	64.2	34.8	35.8	78	88	W	2	SW	2	0	10	—	
27	30.330	30.260	53.1	54.7	45.8	65.5	37.8	38.9	93	91	S	0-1	SW	0-1	10	10	—	
28	30.172	30.057	57.9	55.4	49.3	61.5	39.1	40.3	82	92	S	3-4	SW	1	10	10	0.389	
29	30.166	30.197	52.7	49.9	49.1	60.7	38.6	33.3	96	93	NW	1	W	1	10	10	—	
30	30.165	30.028	56.3	55.0	48.0	61.2	39.4	38.8	87	90	SE	1	W	2	10	10	0.313	
Means	30.094	30.084	56.0	52.2	46.9	63.5	37.8	35.6	84.3	90.7	1.8	1.6	6.7	6.3	2.481			

## RAMSGATE.

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

SEPTEMBER 1879.

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.	60.6	52.3	45.6	65.0	in.	in.	66	78	NE	2	NE	1	0	0	ins.	
1	30.482	30.547	59.3	52.7	47.9	67.2	30.4	30.4	80	87	Calm	0	W	2	9	2	—	9p.
2	30.471	30.538	59.5	52.7	47.9	67.2	30.4	30.4	80	87	Calm	0	W	2	9	2	—	9p.
3	30.271	30.422	62.7	50.9	45.4	69.8	30.0	29.3	71	79	SE	2	W	1	1	0	—	
4	30.125	30.151	59.3	58.6	45.0	66.2	38.1	44.3	76	90	NW	1	NE	1	4	6	—	
5	30.042	29.937	58.6	58.9	57.9	64.0	44.3	48.3	90	98	NE	2	NE	1	10	5	—	9p.
6	29.797	70.2	66.5	60.1	55.6	69.6	53.9	50.0	84	96	NW	1	NE	1	4	10	—	a. and p.
7	67.2	72.9	61.4	58.9	57.1	64.8	47.7	43.1	88	88	S	2	SW	3	5	2	270	
8	78.3	68.6	56.0	57.5	54.0	62.8	42.7	42.5	94	89	Calm	0	SW	4	8	1	270	9p. Two aerolites fell at 9p.
9	60.4	29.768	56.9	55.2	54.4	62.8	40.4	29.0	87	67	SW	5	SW	3	10	9	030	Squally a. and p.
10	29.959	30.116	57.0	51.0	50.5	64.1	35.7	33.4	76	90	W	4	W	4	4	2	070	9p.
11	30.059	29.960	56.0	57.1	46.9	62.2	36.1	40.4	80	86	SW	1	SW	5	10	4	—	
12	29.797	70.2	60.4	60.6	56.3	63.6	41.0	46.1	78	87	SW	6	S	2	5	10	—	Squally a.
13	78.3	29.741	61.4	61.3	57.1	65.0	51.8	51.8	94	96	S	1	S	1	10	10	060	
14	29.798	30.022	58.9	56.6	56.1	61.8	48.3	40.9	98	88	NW	1	N	2	10	1	190	9p.
15	30.038	030	61.5	57.6	50.9	65.6	40.7	42.1	75	88	NE	2	NE	1	3	0	—	
16	29.984	30.002	60.6	59.3	57.1	63.0	40.7	40.5	78	93	NE	3	NE	2	9	10	—	
17	96.6	29.962	60.4	58.6	58.5	62.0	50.9	45.7	97	93	N	2	Calm	0	10	10	440	before ga. 9p.
18	29.966	30.050	58.9	59.9	57.9	65.8	48.3	47.9	98	94	N	1	Calm	0	10	10	020	
19	30.137	217	61.0	57.6	56.6	61.0	46.4	44.7	87	94	N	1	NW	1	8	10	—	
20	150	30.096	58.5	56.9	55.6	61.8	43.4	43.3	89	93	Calm	0	SW	2	9	10	—	9p.
21	30.071	29.955	59.1	56.0	52.5	63.0	42.1	37.3	84	83	W	2	SW	4	9	10	—	
22	29.918	956	56.3	49.3	48.6	60.5	36.9	28.9	81	83	W	3	Calm	0	2	4	—	a. and 9p.
23	66.4	550	55.2	52.1	48.8	59.0	41.5	37.3	96	96	SW	6	SW	1	10	10	020	Squally with all day.
24	29.471	29.802	55.2	52.6	51.5	62.2	34.6	31.6	80	79	SW	6	SW	4	7	3	1210	Squally a. and p.
25	30.144	30.337	55.0	50.1	42.0	60.8	33.1	34.6	77	96	W	5	W	1	0	0	020	9p.
26	36.4	348	56.9	50.0	43.8	65.0	30.4	30.9	87	86	W	1	W	2	0	0	—	9p.
27	32.7	209	55.2	48.4	47.4	60.6	35.2	32.2	81	95	SW	1	Calm	0	2	6	—	9p.
28	219	130	57.4	55.8	42.4	59.8	33.8	41.8	69	93	S	4	SW	1	4	7	—	9p.
29	166	217	54.8	55.5	51.6	57.2	41.5	42.5	96	97	SW	1	N	1	10	10	320	
30	30.192	30.134	59.9	57.6	55.0	61.0	41.6	39.6	81	83	SE	1	NE	6	2	3	170	Squally 9p.
Means	30.012	30.028	58.7	55.6	51.7	63.2	41.4	39.7	83.9	88.8	2.2		1.9		6.2	5.2	3.090	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## HASTINGS.

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

SEPTEMBER 1879.

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.	57.9	52.4	46.6	64.2	ins.	ins.	70	70	NE 1	ENE 0-1	0	0	ins.	Very fine.
2	30.457	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	ga. Very fine.
3	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
4	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
5	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
6	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
7	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
8	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
9	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
10	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
11	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
12	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
13	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
14	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
15	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
16	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
17	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
18	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
19	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
20	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
21	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
22	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
23	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
24	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
25	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
26	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
27	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
28	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
29	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
30	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.
Means	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0-1	SSW 1	8	0	—	Very fine.

## DARTMOOR.

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

SEPTEMBER 1879.

1	30.437	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine day.
2	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
3	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
4	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
5	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
6	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
7	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
8	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
9	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
10	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
11	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
12	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
13	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
14	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
15	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
16	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
17	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
18	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
19	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
20	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
21	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
22	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
23	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
24	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
25	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
26	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
27	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
28	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
29	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
30	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.
Means	30.441	30.507	52.9	45.0	39.6	59.0	27.8	25.4	70	85	N 1	Calm 0	3	1	—	— n. Fine.

## BABBACOMBE.

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

SEPTEMBER 1879.

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.	57.9	52.4	46.6	64.2	ins.	ins.	70	70	NE 1	WSW 1	0	0	ins.	— n. and p. Frost on the grass at night, being the earliest ever recorded here.
2	30.457	30.507	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	W 2	1	0	—	— n. and p.
3	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	W 2	1	1	—	— n. and p. ∞ 6.30p.—8p.
4	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NE 1	1	10	—	— n. and p.
5	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	Calms	0	10	—	— n. and p.
6	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	S 1	3	9	10	— n. and p. after 6p.
7	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	SSW 4	10	1	250	— n. and p. after 9a. Scotch after 9.14p.
8	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	SSW 4	10	1	250	— n. and p. before 9a.
9	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	W 2	10	1	010	Squally p. D p.
10	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	SW 1	3	10	010	—
11	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	SSW 5	10	10	010	—
12	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	SSW 1	10	4	050	— n. and p.
13	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	N 1	10	10	320	Scotch till 6.20p.—6.40p.
14	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NW 2	3	0	—	— n. and p.
15	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NNE 1	1	2	—	— n. and p.
16	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NE 2	2	10	10	— n. and p.
17	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NE 2	2	10	10	— n. and p.
18	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NNE 1	10	10	020	— n. and p.
19	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	Calms	0	10	6	— n. and p.
20	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NW 2	10	1	—	— n. and p.
21	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	WSW 3	10	9	030	— n. and p.
22	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	WSW 4	10	4	10	— n. and p.
23	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	WSW 2	8	1	050	— n. and p.
24	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	WSW 2	1	4	—	— n. and p.
25	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	WSW 2	10	10	080	— n. and p.
26	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	WSW 3	3	8	010	— n. and p.
27	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	WSW 3	9	8	—	— n. and p.
28	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	SW 4	10	10	320	— n. and p.
29	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	NNE 2	4	10	—	— n. and p.
30	30.456	30.501	57.9	52.4	46.6	64.2	33.1	29.7	69	70	SSW 0	SE 4	10	10	540	— n. and p.
Means	29.990	29.984	57.6	53.2	49.6	62.1	33.6	32.2	83.7	91.0	2.5	2.2	6.8	6.2	3.430	—



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## LONDONDERRY.

Height above Mean Sea Level, 93 feet. Long. 7° 19' W. Lat. 55° 0' N.

SEPTEMBER 1879.

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.	53.7	54.1	44.5	59.0	ins.	ins.	78	76	SW 1	SW 4	6	10	ins.	
2	30.329	30.245	55.2	57.1	44.5	59.5	324	319	88	88	SW 3	S 4	10	10	0.060	
3	30.090	30.048	55.2	57.1	44.5	59.5	324	319	88	88	SW 3	S 4	10	10	0.090	
4	29.893	30.042	57.7	52.7	52.0	59.0	437	325	92	81	WSW 2	W 1	10	10	0.090	Fine from 10.1.
5	30.178	30.149	53.2	52.7	44.5	60.0	383	370	95	93	W 1	Calm	5	10	—	
6	30.006	29.738	57.1	56.7	48.5	57.6	373	436	80	95	SE 2	SE 1	6	10	1.000	
7	29.588	30.100	58.5	58.7	55.8	63.6	468	471	96	96	S 3	Calm	10	10	1.450	
8	30.378	30.062	58.5	52.5	52.5	60.2	471	376	96	95	E 1	SW 5	10	10	1.260	greater part of the day.
9	30.135	30.066	51.0	52.9	49.9	53.4	336	378	90	95	SSW 5	Calm	10	10	0.290	till 3 p. and 7 p.—11 p.
10	30.526	30.879	56.7	51.7	51.3	59.0	368	347	80	90	NW 4	W 2	4	10	0.040	till noon. p.
11	30.974	30.914	53.6	53.7	49.0	57.6	381	370	93	89	W 2	SW 3	10	10	0.150	showers 2 p.—10 p.
12	30.692	30.527	54.7	49.9	49.9	57.8	394	351	93	98	SW 3	SW 1	10	10	0.460	
13	30.341	30.504	53.3	48.5	46.8	57.5	365	313	90	92	SSW 4	Calm	10	10	0.110	
14	30.654	30.760	52.7	48.7	46.2	58.9	325	306	81	89	WSW 3	WSW 1	2	7	0.010	Fine and clear all day.
15	30.750	30.914	52.7	52.7	47.4	58.0	336	375	85	94	SW 2	W 1	10	10	0.010	all day.
16	29.970	30.034	53.7	53.5	51.2	56.7	362	387	88	94	SW 2	Calm	10	10	—	all day.
17	30.081	30.070	53.7	52.7	52.0	55.5	370	362	89	91	W 1	Calm	10	10	—	Dull all day.
18	30.017	30.987	53.2	52.9	50.8	57.4	355	364	88	91	W 1	Calm	10	10	—	
19	30.024	30.120	54.8	54.2	50.5	58.2	354	391	83	93	W 1	Calm	7	10	0.010	
20	30.224	30.099	52.7	49.6	48.6	58.0	344	301	87	85	WSW 1	Calm	10	0	0.030	[pears about to change.
21	29.859	29.911	57.1	50.8	48.0	58.7	373	333	80	89	SW 3	W 2	9	3	1.000	Fine. Some cir. clouds. Weather ap-
22	30.855	30.708	51.8	49.3	48.5	54.5	343	301	83	86	SW 3	SW 3	10	5	0.360	pears about to change.
23	30.845	30.235	49.2	49.0	46.3	53.2	301	317	86	92	SSW 3	S 5	10	10	0.300	Squally with showers all day.
24	30.233	30.405	50.0	43.1	43.1	54.8	267	261	75	93	SW 5	NW 1	6	0	0.050	a. and from 3 p. p.
25	30.518	30.752	43.7	42.7	38.0	50.5	247	257	86	93	WNW 2	SW 2	0	2	0.210	in squalls a.
26	30.847	30.967	48.3	50.7	41.0	52.6	309	326	92	88	W 3	W 3	10	10	0.210	Disagreeable day.
27	30.115	30.255	52.2	45.7	45.5	56.0	290	268	74	88	W 2	W 1	1	8	—	Cold and damp.
28	30.121	30.834	55.7	50.7	42.0	57.0	385	409	87	89	SSW 3	SW 4	10	10	0.630	Fine all day.
29	30.877	30.992	50.5	46.1	45.5	57.3	352	284	95	91	NW 2	WNW 1	10	1	0.010	during the day.
30	30.060	30.131	50.1	50.2	44.6	55.0	306	305	84	84	SSW 2	SW 2	3	9	0.020	
Means	30.841	29.821	53.2	51.4	47.7	57.0	354	344	86.9	90.1	2.4	1.6	8.0	7.9	5.080	

## MARKREE CASTLE, SLIGO.

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

SEPTEMBER 1879.

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	30.350	30.289	55.1	53.1	38.2	59.9	358	331	82	81	SW 1	SW 3	6	10	0.019	
2	30.151	30.093	57.1	56.7	52.3	60.2	379	403	81	88	SSW 4	SSW 4	8	10	—	
3	29.933	30.046	58.1	47.8	47.7	60.5	438	293	91	88	SSW 5	Calm	10	8	0.032	
4	30.170	30.119	57.5	51.8	39.3	62.7	378	343	81	88	SE 1	Calm	6	10	0.058	
5	29.961	29.717	50.4	57.1	46.3	57.6	343	439	94	93	SE 1	SE 4	10	10	0.095	
6	30.532	30.493	60.0	55.5	55.3	64.6	488	430	95	98	S 5	Calm	10	10	0.945	
7	30.347	30.186	55.3	50.1	49.9	56.3	402	349	92	96	W 1	SW 3	10	10	1.075	
8	30.093	30.137	51.1	53.0	49.5	54.5	315	377	83	94	SSW 6	NW 5	10	10	0.505	
9	29.584	30.266	54.6	51.6	51.2	59.0	361	285	85	75	NNW 4	NNW 4	9	10	0.062	
10	30.016	30.949	53.3	53.1	48.1	57.4	348	354	85	87	Calm	Calm	10	10	0.220	
11	29.704	30.543	54.1	50.4	49.9	58.9	393	358	93	98	SSE 3	Calm	10	7	0.157	
12	30.352	30.526	55.1	47.3	47.0	59.4	391	290	90	92	SW 4	SW 1	10	6	0.013	
13	30.666	30.772	55.1	43.3	40.5	58.6	326	267	76	96	NW 1	Calm	2	2	—	
14	30.781	30.939	54.3	52.1	41.4	57.1	387	347	92	89	S 2	Calm	10	10	0.050	
15	29.970	30.013	54.2	52.0	50.4	56.8	369	364	88	94	S 1	Calm	10	10	0.006	
16	30.068	30.059	53.6	51.5	50.2	56.4	369	362	90	96	Calm	Calm	10	10	—	
17	30.094	29.974	53.0	52.0	49.4	57.4	350	343	87	88	S 1	Calm	10	10	—	
18	30.016	30.127	55.3	53.9	49.0	62.0	375	378	86	91	Calm	Calm	6	10	—	
19	30.221	30.106	54.8	48.3	46.4	60.0	327	287	77	85	SSE 1	S 1	7	6	0.019	
20	29.899	29.964	50.2	51.2	48.1	61.3	376	316	83	84	W 2	W 3	10	9	0.075	
21	30.850	30.791	51.2	47.4	47.4	58.4	361	300	96	92	SW 3	WNW 4	10	10	0.352	
22	30.865	30.168	51.0	51.2	43.3	53.8	313	353	84	94	W 1	S 6	8	10	0.074	
23	30.312	30.421	51.3	40.1	39.5	57.0	301	231	79	93	WNW 3	Calm	4	0	0.029	
24	30.533	30.803	44.5	43.9	30.3	51.4	277	249	95	87	Calm	W 2	7	8	0.121	
25	29.909	29.986	51.1	51.0	42.2	58.5	317	326	84	87	W 2	WSW 3	8	10	0.265	
26	30.136	30.237	52.3	41.6	41.4	56.7	329	257	83	97	SW 1	Calm	9	9	—	
27	30.100	29.837	55.3	56.7	41.4	57.3	375	438	86	95	ESE 4	SW 3	6	10	0.601	
28	29.899	30.017	50.3	44.3	44.1	57.7	336	263	92	91	NW 2	NW 1	8	1	—	
29	30.082	30.118	53.5	48.3	39.3	60.4	321	308	78	92	N 1	SSE 2	1	5	0.008	
30	30.020	29.722	46.7	50.2	39.3	54.1	295	301	93	84	SSE 3	SSE 3	10	10	0.012	
Means	29.851	29.836	53.5	50.2	45.3	58.2	357	332	86.7	90.4	2.1	1.7	8.2	8.4	4.793	

## DUBLIN.

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

SEPTEMBER 1879.

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.	53.1	54.0	43.8	60.6	ins.	ins.	76	74	NW 2	SW by W 3	3	5	ins.	[evening. U.
2	30.284	30.405	55.7	58.1	51.9	63.7	319	369	71	76	WSW 4	WSW 3	7	7	—	Very cold n. Bright a. Much cir. in
3	30.072	30.038	57.8	58.0	53.5	67.5	342	451	72	93	WSW 3	WNW 2	1	10	0.069	a. and p. Squally a. Much cir. and
4	30.181	30.147	55.1	54.1	48.0	59.4	351	365	81	86	ENE 2	E 1	5	9	0.041	Brilliant a. and very clear. p. [cir. s.
5	29.996	29.832	56.4	57.1	53.0	63.4	434	419	96	89	ESE 1	SSW 2	10	7	0.028	Fine morning.
6	30.607	30.547	60.0	60.7	55.3	63.9	426	453	83	86	S 2	SSE 2	8	8	0.349	Fine evening.
7	30.357	30.318	58.8	53.9	53.8	61.4	480	389	97	94	SE 2	SW 2	10	10	0.160	Fine evening.
8	30.380	30.193	55.1	53.5	49.9	57.7	303	373	70	92	SSW 5	SW 5	5	10	0.010	Squally a. and p. Bar. 29.151 3.15 p. then
9	29.505	29.879	54.8	54.2	52.1	62.2	378	340	88	80	ENE 1	NNW 4	9	3	0.020	Squally a. and p. Bar. 29.151 3.15 p. then
10	30.041	30.025	55.1	55.1	47.9	59.3	348	374	80	86	WNW 3	W 2	8	10	0.227	Fine till 2 p., then shower. Bar.
11	29.857	29.557	55.2	58.0	53.2	60.4	395	448	91	92	SSW 2	SW 4	10	8	0.227	10 a.—3 p. Squally p. Mild.
12	30.513	30.570	54.6	52.8	51.2	62.7	353	338	83	85	WSW 2	W 3	4	5	0.084	Fine till 2 p., then shower. Bar.
13	30.705	30.777	54.0	49.9	48.8	59.6	317	306	76	87	W 3	W 2	1	4	0	Very bright generally. [29.460 2 p.
14	29.856	29.968	53.6	50.8	45.9	59.5	338	393	81	88	W 3	W 2	3	10	0.010	Cold n. Brilliant a. Cloudy p.
15	30.016	30.039	55.1	53.9	53.2	56.4	371	376	85	91	WSW 2	ESE 1	10	10	—	Dull but dry. "Grey" weather.
16	30.078	30.086	54.1	53.2	52.2	55.8	336	349	84	86	E 2	NE 1	10	10	—	Gloomy throughout. Cool.
17	30.033	30.002	53.3	50.0	49.9	58.7	341	324	83	90	E 1	Calm 0	2	0	—	Very fine p.
18	30.022	30.110	54.9	55.4	45.5	61.2	350	368	82	84	WNW 1	NW 2	6	10	—	Very fine a. Cloudy p.
19	30.238	30.190	54.0	50.9	50.9	58.4	366	332	87	89	NW 1	WSW 1	10	3	—	Very fine p.
20	30.001	30.022	55.3	53.2	48.0	62.3	362	343	83	84	SW by W 5	W 4	8	3	—	with squalls a. and p. 7.30 a.
21	29.998	29.825	55.3	50.7	50.2	57.3	340	320	86	86	WSW 2	W 4	10	10	0.100	(p. Bar. rising p. Cool.
22	30.940	30.455	49.8	52.3	44.3	55.4	282	334	80	85	W 3	S 6	3	10	0.051	Bright and cold a. Splendid display [of O and Parhelia 9.45 a. p.
23	30.390	30.465	53.2	45.8	45.7	58.5	295	266	73	86	W 5	W 1	4	0	—	Squally a. Temp. 58.5 n. Very [cold p.
24	30.516	29.808	47.3	45.5	41.5	53.2	292	255	90	84	Calm 0	NW 3	10	5	—	Very cold n. [a. Partial O sp. [to E. in evening.
25	29.982	30.122	50.4	52.5	42.2	56.6	291	312	80	79	W 5	WSW 5	6	7	0.115	O ga. a. and p. 2 showers 11 a.
26	30.171	30.277	53.4	50.3	50.0	60.7	371	329	91	90	WSW 3	W 1	8	2	0.010	Squalls with n. Very fine from 10 a.
27	30.244	29.998	57.3	58.1	61.6	61.6	382	395	81	81	SSW 1	SW 5	7	8	0.075	Partial O a. Squally p. Mild.
28	29.853	30.069	58.7	46.7	46.4	60.4	495	281	95	89	W 2	WNW 2	10	0	0.020	7.30 a. Temp. beginning to fall ga. [Cold p.
29	30.153	30.194	50.6	49.9	43.2	58.6	301	293	83	92	WNW 3	W 1	0	3	—	Very bright and fine throughout.
30	30.103	29.804	49.3	55.4	41.7	57.4	330	385	93	88	Calm 0	SSE 2	5	10	0.067	D 2 a. O ga. 11 p.
Means	29.919	29.897	54.3	53.2	48.7	59.8	353	353	83.4	86.4	2.5	2.5	6.5	6.1	2.046	







## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## WAKEFIELD.

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

OCTOBER 1879.

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.	53.3	51.2	50.1	62.5	in.	in.	97	85	SE 1	WSW 1	10	7	ins.	
2	29.781	29.780	49.4	46.3	42.2	55.7	29.0	26.1	83	84	SSW 1	WSW 2	6	8	100	[to S. 6.15a.
3	30.008	30.081	48.4	55.2	43.1	50.0	26.2	37.1	78	85	SW 3	SW 3	6	10	080	Roll cum. tinged with pink from NE.
4	132	258	57.7	48.8	48.5	58.4	39.4	32.5	83	94	W 5	NW 3	7	0	—	Gloomy from 10a.
5	275	356	47.0	45.9	38.0	65.8	29.4	30.5	92	99	NW 1	SSE 1	5	0	—	Rough and wild n. Gloomy till 7p.
6	418	388	47.0	44.3	40.3	62.0	31.8	28.7	99	99	SW 1	N 1	10	0	—	Cold and frosty 9a. Fine and bright [from 11a.
7	454	441	47.2	48.2	41.5	56.2	32.1	33.3	99	99	Calm 0	NNE 1	10	10	—	∞ till 11a. Then fine and bright.
8	550	566	45.0	46.8	42.7	49.9	29.5	30.6	98	95	NNE 1	SSE 1	10	10	—	∞ till 11.30a., and from 6p.
9	525	462	42.3	45.0	41.7	55.8	26.6	29.3	99	98	WSW 2	WNW 2	10	10	—	∞ till 4p. Air cold and damp.
10	482	447	43.2	48.2	41.1	58.1	27.5	31.2	98	93	SW 1	SSW 1	10	4	—	∞ 0 1 9a.
11	527	513	49.2	47.4	44.9	54.5	33.0	29.4	95	90	NNE 1	NNW 1	10	3	—	Dull and gloomy till 6p., then fine.
12	549	482	49.2	49.3	44.6	53.9	31.9	33.1	92	95	WNW 1	W 3	10	10	—	Dull and gloomy all day.
13	400	276	49.6	50.0	48.3	50.8	33.8	31.5	95	87	W 2	WNW 3	10	10	—	Dull and gloomy all day.
14	133	181	52.9	41.8	40.9	55.2	34.9	22.8	87	86	WSW 3	NNW 5	10	3	210	Threatening appearance 9a. Wind [variable N-W. 9p.
15	249	297	41.3	36.1	34.0	45.7	19.1	18.7	75	88	NW 2	NNW 3	0	2	—	Fine and bright all day.
16	30.287	30.102	39.2	43.8	34.4	47.3	19.7	20.8	82	72	WNW 3	WNW 2	7	8	040	Roll cum. S-N. Air cold and frosty 9a.
17	29.684	29.811	53.2	47.0	39.4	55.9	31.8	29.2	78	91	NW 6	NNW 2	5	10	—	Rough and wild in past n.
18	967	773	43.2	45.5	34.6	50.5	21.5	29.8	78	98	W 1	S 1	0	10	040	Fine and bright till 7p., then dull with
19	343	261	58.0	49.2	45.5	58.8	41.9	29.5	86	85	W 5	NW 5	10	4	120	Rough and squally.
20	175	541	45.0	46.2	43.6	53.0	26.5	26.2	89	85	W 6	W 3	3	8	020	Rough and wild n. and till 3.30p.
21	835	952	42.4	38.3	34.8	51.5	22.3	22.5	83	98	NW 2	W 1	1	6	120	Fine and bright all day.
22	864	970	48.8	53.6	34.6	56.7	34.0	37.9	98	93	SSW 1	WSW 5	10	8	—	Wind variable from W-S. 9p.
23	981	859	54.3	57.0	52.4	59.8	38.2	43.3	90	92	WSW 2	WSW 2	6	10	—	Clouds very heavy S-E. 9a.
24	707	637	57.1	48.4	48.1	61.8	40.6	33.0	86	97	SW 2	SW 1	6	10	150	Roll cum. closely packed ESE-SW. 9a.
25	29.663	29.880	48.2	34.7	33.5	49.9	27.0	19.9	81	99	W 3	W 2	5	0	050	Fine and bright. Cold at 9p.
26	30.081	30.142	31.8	41.3	30.0	51.4	17.9	25.4	100	98	WNW 2	WNW 2	10	0	—	∞ till 11a., then very fine.
27	262	320	45.4	47.2	39.5	49.9	29.9	31.6	98	98	N 2	E 2	10	0	—	Dull and gloomy all day.
28	351	304	45.5	44.2	43.1	52.6	30.1	28.1	99	97	ESE 1	E 1	5	4	—	Fine all day.
29	295	339	40.1	47.2	32.8	53.8	24.6	31.6	99	98	W 1	E 1	10	10	030	∞ 9a. Dull and gloomy day.
30	392	382	46.2	45.6	44.9	48.6	30.4	26.9	98	88	NW 1	ESE 1	10	10	—	Dull and gloomy all day.
31	30.331	30.240	46.0	45.2	44.1	48.1	27.8	27.3	90	91	NE 1	NW 1	10	10	—	Dull and gloomy all day. Air very [cold 9p.
Means	30.108	30.126	47.3	46.4	41.2	54.5	29.9	29.5	92.2	92.1	2.1	2.0	7.5	6.6	1.020	

## KELSTERN.

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

OCTOBER 1879.

1	29.685	29.814	52.0	43.9	43.9	60.4	38.2	27.9	99	98	SE 4	SW 1	10	1	310	Very fine 9p.
2	29.823	29.882	50.1	43.0	38.0	52.2	32.8	25.5	91	92	SW 1	SW 3	5	6	199	
3	30.000	30.026	45.3	48.0	38.0	52.9	27.2	29.3	90	88	WSW 4	W 5	8	9	050	p.
4	141	270	54.1	48.1	48.0	61.7	37.8	33.1	90	98	W 3	NE 1	10	0	—	Very fine 9p.
5	307	368	52.3	49.0	43.5	61.3	38.1	34.3	97	99	ESE 1	Calm 0	10	2	—	Very fine 9p.
6	409	416	55.1	47.1	47.1	61.4	39.6	32.2	91	99	SW 1	SW 1	9	0	—	Very fine 9p.
7	453	505	50.6	40.8	40.3	57.6	36.9	35.5	100	100	SSW 1	S 1	10	0	—	∞ a. ∞ a. and p. ∞ 9p.
8	542	568	46.1	47.0	36.9	47.8	30.9	30.1	99	94	N 1	Calm 0	10	10	—	∞ a. ∞ p.
9	525	451	45.6	44.2	44.2	57.8	27.1	28.8	89	99	WSW 1	SW 2	9	0	—	Very fine greater part of day.
10	472	491	47.9	45.8	41.8	57.5	33.4	28.9	100	94	NW 1	SSW 1	1	0	—	∞ a. and p. Very fine 9p.
11	526	534	45.2	48.6	41.4	50.7	29.9	32.9	99	97	W 1	N 1	10	10	—	∞ a. ∞ p.
12	549	500	46.2	47.9	45.4	49.4	30.8	32.9	99	99	N 1	N 1	10	10	—	∞ a. ∞ p.
13	302	268	47.2	44.9	44.8	50.7	32.3	27.6	99	93	W 1	WNW 2	10	0	—	∞ a. ∞ p. Very fine later p.
14	138	147	50.0	39.8	39.8	55.1	32.9	23.7	92	97	NW 2	NW 2	8	1	304	Very fine 9p.
15	196	214	40.2	35.7	35.7	45.2	22.6	19.9	91	96	N 3	N 3	4	0	036	Very fine, but cold 9p.
16	30.240	30.151	39.7	36.0	32.7	51.7	21.9	19.4	90	92	NW 2	SW 1	2	0	—	Very fine a. and p. Cloudy mid-day.
17	29.697	29.773	48.1	44.3	34.2	55.6	32.1	25.5	96	88	W 3	NW 3	9	6	033	Very cloudy. p.
18	936	830	41.1	42.7	34.6	52.1	21.7	24.3	84	88	NW 2	SSE 2	1	10	036	Very fine a.
19	425	327	55.1	47.2	42.0	57.6	39.6	27.9	91	87	WSW 6	W 4	9	6	005	∞ a. and p. Very cloudy.
20	199	539	47.0	41.6	41.0	51.4	25.5	23.1	80	89	W 5	WNW 4	6	1	008	Cloudy with ∞ a. and p. Very fine 9p.
21	802	951	41.0	36.0	33.9	50.6	19.7	19.4	77	92	NW 3	NW 2	0	1	—	Very fine all day.
22	901	925	44.9	51.0	31.9	52.3	29.6	35.1	99	94	SW 2	NW 2	10	10	003	∞ a. and p.
23	992	921	50.1	52.2	45.1	56.4	35.2	37.7	97	97	W 1	SSW 2	9	8	—	
24	740	662	55.9	46.3	46.0	58.4	38.2	30.3	86	97	WSW 4	N 1	3	10	008	
25	29.075	29.904	45.0	37.5	30.7	53.7	28.5	21.5	95	96	WSW 2	NNW 1	1	0	008	Very fine 9a. and 9p. Cloudy mid-day.
26	30.099	30.171	42.0	43.8	34.9	52.2	26.5	27.8	96	98	NE 1	NE 2	0	8	040	Very fine with ∞ a. ∞ later.]
27	246	320	47.8	46.3	43.3	50.6	31.9	30.9	96	99	ENE 3	NE 2	10	9	—	
28	340	323	46.5	41.9	41.6	50.6	30.2	26.4	96	99	NE 2	ENE 1	8	4	—	
29	285	318	44.6	44.0	40.7	50.4	29.5	28.8	100	100	NE 1	NE 1	5	7	008	∞ 9a.
30	353	364	45.9	45.5	43.6	47.0	30.1	24.8	98	82	ENE 2	ENE 4	10	10	010	
31	30.316	30.211	46.5	45.7	44.8	48.5	26.3	30.5	84	99	ENE 1	NE 2	10	10	—	
Means	30.112	30.134	47.4	44.4	40.5	53.6	30.9	27.9	93.3	94.8	2.1	1.9	7.0	4.1	1.230	

## LLANDUDNO.

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

OCTOBER 1879.

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	51.0	50.5	58.7	in.	in.	%	%	SW 0.6	W 0.6	10	9	ins.	[during the night.
2	29.612	29.773	57.4	51.0	50.5	58.7	in.	in.	95	93	SW 0.6	W 0.6	10	9	170	[during the night.
3	29.759	29.966	50.1	47.7	46.4	53.9	28.5	27.1	79	82	W 2	W 4	9	2	100	☾ 3p. ☄



## HILLINGTON, NORFOLK.

Height above Mean Sea Level, 88 feet. Long. 0° 33' E. Lat. 52° 48' N.  
OCTOBER 1879.

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.	53.6	52.8	49.0	62.6	in.	in.	100	100	SE 3	SW 1	10	10	ins.	☉ a. ☐ 9p.
2	29.702	29.822	51.6	45.3	43.4	55.7	.345	.288	90	96	SW 1	SW 3	8	9	.187	☐ a. ☐ 4.5 p. Very fine 2p.
3	30.099	30.053	49.6	53.2	38.2	54.7	.309	.394	88	98	SW 3	SW 6	8	6	.013	Blustering p. Chilly.
4	.169	.253	55.3	50.0	48.1	61.3	.401	.361	92	100	NW 4	SW 0.5	10	10	.002	☐ in the evening.
5	.311	.354	55.0	55.6	47.1	62.3	.403	.422	93	96	SE 0.1	SE 0.5	10	10	.014	Damp all day.
6	.395	.380	54.8	46.9	46.2	66.4	.374	.322	87	100	SE 0.5	SE 0.5	0	0	.007	Very fine and sunny ☐ a. Ground
7	.436	.483	55.1	47.1	46.3	58.5	.428	.324	98	100	S 0.1	Calm 0	10	0	.014	☐ early a. Cloudy all day. ☐ 9 p.
8	.521	.536	49.2	48.2	39.0	49.6	.351	.338	100	100	N 0.1	NNW 0.1	10	10	.006	☐ all day.
9	.511	.424	49.8	37.5	37.5	55.9	.292	.225	82	100	NW 0.5	N 0.1	10	0	.007	☐ early a. Fine from noon. Ground
10	.466	.546	48.9	41.8	35.8	57.2	.346	.265	100	100	NW 1	NW 0.1	10	0	.008	☐ a. Very fine aft. Ground ☐ p.
11	.449	.508	42.8	48.4	38.5	49.4	.275	.340	100	100	WNW 0.5	NW 0.1	10	10	.002	☐ all day.
12	.520	.446	48.9	47.7	45.9	49.6	.339	.316	98	96	NW 1	W 1	10	10	.014	☐ all day.
13	.393	.295	47.7	48.4	46.8	50.4	.329	.330	99	97	W 2	W 2	10	10	.014	☐ all day.
14	.146	.105	53.4	43.1	42.8	54.9	.318	.245	78	88	W 3	N 3	8	6	.260	☐ 5.15 p.-8 p.
15	.146	.159	46.0	40.9	38.9	46.5	.267	.230	87	91	N 2	N 3	4	4	.158	Fair and cold p.
16	30.205	30.165	43.4	36.1	36.1	52.2	.248	.204	88	96	N 3	Calm 0	7	0	.010	
17	29.751	29.748	47.7	46.4	33.0	49.6	.297	.273	90	87	W 5	W 2	10	10	.078	
18	.913	.860	44.5	41.5	37.1	50.9	.234	.233	80	90	NW 3	W 1	2	10	.090	Very fine and sunny, but cold. [noon.
19	.504	.374	55.0	49.8	41.2	62.3	.404	.312	94	87	WSW 4	W 1	9	8	.036	Very fine and sunny. ☐ 2 from WNW
20	.237	.518	47.8	47.7	43.3	52.1	.236	.243	71	74	WNW 6	NW 5	2	4	.004	☐ 2 a. ☐ 9a. Sunny, but cold p.
21	.798	.933	44.4	33.3	33.1	51.6	.204	.184	70	97	NNW 5	N 0.5	0	2	.004	Beautiful day. ☐ 9p. [Cir. 5p.
22	29.927	.914	44.6	52.7	29.1	52.8	.290	.370	98	93	SW 0.5	SW 1	10	10	.001	☐ all day. ☐ 9p.
23	30.002	.941	52.0	52.9	50.1	54.5	.356	.384	92	96	WNW 0.5	SW 0.5	10	10	.001	☐ all day. ☐ 9p.
24	29.791	.656	56.0	54.0	52.9	58.9	.412	.388	92	93	SW 3	SW 1	10	10	.176	
25	29.698	29.894	46.3	34.0	34.0	54.7	.302	.191	97	98	WSW 1	WNW 0.5	8	1	.010	Very fine and sunny from 10a.
26	30.067	30.112	46.0	51.9	30.8	55.4	.304	.384	98	99	ENE 1	ENE 2	0	7	.020	☐ a.
27	.190	.277	53.1	43.0	42.7	57.5	.360	.270	89	98	ESE 3	SE 1	4	6	.010	Very fine and sunny till 10.30a. ☐ 8p.
28	.312	.288	49.2	44.3	37.9	54.4	.348	.279	99	96	NE 1	E 0.5	3	10	.010	Very fine till noon. ☐ 9p.
29	.244	.266	47.8	47.8	43.6	51.2	.286	.281	86	85	NE 1	NE 2	10	10	.010	☐ 9p.
30	.315	.311	48.0	46.9	45.9	49.7	.312	.250	94	79	NE 2	NE 2	10	10	.003	☐ 9p.
31	30.267	30.173	49.3	44.6	40.4	53.8	.284	.254	82	86	E 1	E 0.5	9	9	.010	
Means	30.108	30.119	49.6	46.3	41.1	54.7	.325	.300	90.7	94.1	2.0	1.3	7.5	6.8	1.207	

Observer remarks: This month with a few fine days, was much beneath the average in pleasantness.

## UPPINGHAM.

Height above Mean Sea Level, 484 feet. Long. 0° 44' W. Lat. 52° 35' N.  
OCTOBER 1879.

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	29.636	29.822	53.1	48.7	48.7	60.6	.399	.301	99	87	S by E 2	WSW 1	10	0	.057	☉ a. Cloudy p. Bright evening. ☐
2	29.826	29.914	50.1	44.5	43.2	51.8	.311	.255	86	87	SW 2	WSW 3	9	9	.134	☐ a. Bright early a. Stormy ap- pearance 9p.
3	30.098	30.077	46.8	52.9	38.2	53.0	.270	.344	85	87	W by S 3	WSW 5	9	8	.010	Bright early a., with Cir. and Cir-s.
4	.173	.263	54.3	51.3	49.2	62.0	.360	.362	85	96	W 3	W by N 1	10	0	.010	☐ a. Wind rising p.
5	.290	.337	54.1	50.8	50.8	61.9	.402	.340	96	93	Calm 0	Calm 0	10	1	.010	Dull and cloudy all day. ☐ 9p.
6	.392	.386	51.0	51.0	48.7	63.6	.366	.356	98	95	S 1	Calm 0	10	0	.010	☐ a. ☐ till 7p. Close.
7	.445	.485	49.5	46.0	45.3	55.5	.347	.304	98	98	SE 1	Calm 0	10	0	.010	☐ 2 early a. and before.
8	.530	.556	46.6	45.9	43.3	48.0	.316	.290	99	95	Calm 0	N by E 1	10	10	.010	☐ 2 early a. ☐ 9a. Scotch ☐
9	.520	.433	46.4	45.7	44.7	56.1	.280	.293	89	96	Calm 0	W by N 1	10	0	.010	[11a.-7p. ☐ 9p.
10	.469	.501	48.8	45.0	43.6	59.1	.323	.289	93	97	Calm 0	N by W 1	10	0	.010	☐ a. Bright from 1p. ☐ 9p.
11	.534	.533	45.0	45.0	38.7	53.6	.297	.297	99	99	W 1	Calm 0	10	10	.010	☐ 2 early a. ☐ 9a. Fine from [11a. ☐ 9p.
12	.555	.511	46.6	47.8	44.0	50.2	.316	.320	99	96	Calm 0	W by N 1	10	10	.010	☐ 2 till after 9a. Bright early [p., then ☐ a. and p.
13	.419	.299	46.0	46.0	45.5	49.9	.311	.306	100	99	NW 2	W by W 3	10	10	.010	☐ 2 a. Scotch ☐ 9a. ☐ 9p.
14	.171	.154	50.5	41.1	41.1	54.4	.319	.236	87	92	W by N 3	N by E 1	10	10	.078	☐ a. Gloomy day. ☐ 5.45 p.
15	.207	.229	39.7	36.3	35.3	46.5	.209	.190	85	89	N by E 4	N 4	0	0	.010	☐ a. Bright till 3p. ☐ 5.45 p.
16	30.255	30.196	40.2	36.3	31.5	49.2	.203	.188	82	88	N by W 3	W by N 1	6	0	.010	Bright all day, with Cir-c. and Cir-s. [chiefly towards W.
17	29.783	29.794	49.0	46.2	36.1	51.9	.320	.261	92	84	WSW 4	W by N 5	10	10	.013	☐ a. Day squally.
18	.965	.846	42.0	45.5	36.5	50.5	.202	.287	76	95	NNW 3	SW 2	1	10	.031	Bright all day. ☐ 5.30 p. ☐ 9p.
19	.518	.394	55.1	50.9	45.1	60.1	.380	.286	87	77	SW 5	W by S 6	9	6	.019	☐ all day.
20	.286	.566	46.0	45.8	42.3	50.9	.231	.248	75	81	W 6	W by N 5	1	10	.019	Bright early a. ☐ on S. horizon 9a.
21	.838	.962	40.2	40.0	35.2	49.6	.203	.218	82	89	WNW 3	NW 2	0	10	.059	Bright early a. ☐ on horizon 9a.
22	29.916	.953	46.6	52.1	38.0	53.2	.313	.355	99	91	sw by W 2	W by N 2	10	10	.019	Dull and gloomy all day.
23	30.012	.951	50.6	53.4	50.4	55.9	.349	.380	95	93	W by S 1	WSW 1	10	10	.019	☐ 9a. Dull and gloomy all day. [W
24	29.786	.679	54.8	48.0	48.0	58.6	.300	.325	91	97	W by S 3	WSW 1	7	10	.063	Dull day. Cir. 9a., much interlaced from ☐ a. ☐ 9p. Cir-s. N. to S. 9p.
25	29.695	29.888	44.5	37.3	36.3	49.9	.264	.216	90	97	WNW 1	Calm 0	1	1	.012	☐ 9a. and before. Bright till 2p.
26	30.056	30.112	39.0	44.9	32.2	53.0	.222	.281	94	95	NE 0.1	E by N 2	0	10	.034	☐ 9a. and p. Dull all day. ☐ 9p.
27	.175	.273	48.9	44.9	44.0	51.4	.329	.289	95	97	E by S 2	ENE 3	10	7	.010	☐ a. and p. Clear noon-4p.
28	.312	.275	46.7	43.0	41.2	54.6	.315	.268	99	97	ENE 3	ENE 2	10	10	.010	Dull, gloomy and cold all day.
29	.234	.213	45.9	45.8	42.1	48.8	.271	.286	89	93	ENE 3	ENE 3	10	10	.010	Dull and gloomy all day.
30	.308	.294	46.0	44.8	44.0	46.6	.287	.237	93	80	NEb. E 2	NE 2	10	10	.010	
31	30.263	30.191	47.2	43.6	43.4	51.0	.271	.263	84	93	E by N 1	E by N 1	10	10	.010	
Means	30.118	30.132	47.5	45.8	42.1	53.6	.302	.286	91.0	92.0	2.1	1.9	7.8	6.5	0.559	

## OSCOTT.

Height above Mean Sea Level, 460 feet. Long. 1° 51' W. Lat. 52° 33' N.  
OCTOBER 1879.

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.	53.6	49.0	48.5	62.1	in.	in.	98	98	Calm 0	SW 3	10	0	ins.	☉ a. and a. Fine from 10.15a.
2	29.627	29.830	53.6	49.0	43.8	43.1	.403	.312	95	87	S-SSW 3	SW 4	10	9	.150	☉ 9a.-Noon.
3	29.817	29.920	45.0	43.8	43.1	54.7	.317	.248	95	88	SSW 4	SSW 6	9	8	—	☉ 9a. Dull day.
4	30.091	30.092	47.9	52.0	38.2	54.2	.268	.343	81	88	SSW 4	SSW 6	9	8	—	☉ 9a. Dull day.
5	.204	.261	56.1	52.0	49.7	64.1	.390	.364	86	94	W 3	Calm 0	10	1	—	☉ 9a. [about 4p.
6	.287	.322	51.0	55.6	48.1	64.9	.371	.372	99	84	NE 0-1	SE 1-2	9	10	—	☉ 9a. Day fine. Cloudless
7	.378	.384	52.9	52.3	48.5	64.1	.384	.381	96	97	E 1-2	E 0-1	10	0	.010	☉ 9a. Fine from 11.30a. ☉ 2 9p
8	.443	.498	48.1	47.2	42.3	52.3	.337	.318	100	98	Calm 0	NE 0-1	10	10	—	☉ 9a. measured 'or in. ☉ 2 9p
9	.534	.557	46.1	46.0	45.5	51.2	.313	.289	100	94	NE 0-1	NE 2	10	10	—	☉ 9a. Day dull.
10	.530	.558	44.9	44.0	43.7	54.2	.297	.288	90	100	Calm 0	N 1-2	10	10	—	☉ 9a. ☉ p. Day dull.
11	.486	.505	43.7	43.8	43.1	51.6	.283	.272	99	96	ENE 1-2	Calm 0	10	8	—	☉ 9a. ☉ to ☉ p.
12	.547	.541	45.5	48.0	37.5	53.9	.303	.335	99	100	WNW 1	WNW 0-1	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
13	.556	.512	46.8	47.5	45.1	51.2	.316	.310	98	98	WNW 1	Calm 0	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
14	.432	.318	46.4	47.0	45.7	49.6	.316	.321	100	99	W 1-2	NW 2	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
15	.200	.184	50.3	41.0	40.9	56.2	.319	.237	90	93	WNW-W 3-4	N 3-4	10	10	.090	☉ 9a. ☉ a. and p. ☉ p.
16	.243	.261	40.0	36.2	33.2	45.9	.211	.177	86	83	NW 3-4	N 2	8	0	—	☉ 9a. ☉ a. and p. ☉ p.
17	30.286	30.177	38.8	40.0	31.1	51.1	.180	.191	77	77	NW 2-3	SW 2	9	9	.010	☉ 9a. ☉ a. and p. ☉ p.
18	29.821	29.847	50.1	46.5	37.2	52.8	.336	.283	93	91	W 3	WNW 3-4	10	10	.010	☉ 9a. ☉ a. and p. ☉ p.
19	.088	.818	43.4	49.0	39.0	52.2	.344	.345	83	99	NW 2	SSW 2-3	9	10	.040	☉ 9a. ☉ a. and p. ☉ p.
20	.326	.414	55.1	49.2	49.0	62.1	.420	.276	96	79	SW 5	W 6-7	9	9	—	☉ 9a. ☉ a. and p. ☉ p.
21	.318	.630	47.0	45.0	41.9	51.7	.235	.255	74	86	wsW-W 6-7	NW 5	1	3	.080	☉ 9a. ☉ a. and p. ☉ p.
22	.866	.984	44.2	44.4	38.0	51.2	.228	.288	78	99	NW 4	W 2	4	10	.190	☉ 9a. ☉ a. and p. ☉ p.
23	29.912	.984	47.6	52.0	44.4	55.0	.325	.369	99	95	SW 2	NW 3-4	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
24	30.023	.954	52.9	54.6	50.2	58.6	.353	.412	88	97	WNW 1-2	SSW 1	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
25	29.780	.694	54.8	46.5	46.2	57.2	.281	.308	89	98	SSW 3	Calm 0	10	10	.270	☉ 9a. ☉ a. and p. ☉ p.
26	29.711	29.877	43.4	41.0	38.6	53.3	.357	.221	91	86	SW 3	NE 1	0	9	—	☉ 9a. ☉ a. and p. ☉ p.
27	30.041	30.113	41.0	44.8	34.7	53.4	.227	.230	89	95	ENE 2	NNE 2	0	10	—	☉ 9a. ☉ a. and p. ☉ p.
28	.159	.254	49.3	49.0	43.9	52.0	.244	.312	98	90	ENE 3-4	ESE-NE 4	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
29	.309	.277	47.0	44.6	43.3	50.1	.282	.282	88	96	ENE 3	ENE 2	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
30	.256	.271	44.4	43.0	42.7	47.8	.263	.262	90	94	NNE 3	NNE 3	10	10	—	☉ 9a. ☉ a. and p. ☉ p.
31	30.263	.314	46.0	44.0	43.0	48.1	.285	.246	92	85	NE 3-4	NE 3-4	10	10	.020	☉ 9a. ☉ a. and p. ☉ p.
Means	30.127	30.144	47.5	46.6	42.6	54.1	.304	.296	91.2	92.2	2.4	2.3	8.6	8.2	0.880	☉ 9a. ☉ a. and p. ☉ p.



## AUDLEY END.

Height above Mean Sea Level, 154 feet. Long. 0° 13' E. Lat. 52° 1' N.  
OCTOBER 1879.

No Observations. Register discontinued from this time.

## CHELTENHAM.

Height above Mean Sea Level, 184 feet. Long. 2° 3' W. Lat. 51° 54' N.  
OCTOBER 1879.

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.	56° 8	51° 8	51° 0	62° 1	ins.	ins.	98	84	SW 1	SW 1	10	8	ins.	0 a. Beautiful day.
2	29° 863	29° 870	56° 8	45° 4	43° 0	55° 1	264	264	87	88	SW 2	W 2	10	5	160	
3	29° 843	29° 904	52° 0	45° 4	43° 0	55° 1	340	264	87	88	SW 2	W 2	10	5	160	Very fine day.
4	30° 138	30° 165	55° 8	53° 7	38° 6	56° 9	378	355	85	86	S 1	NW 2	10	1	0	Beautiful day.
5	237	277	57° 6	51° 2	49° 6	65° 0	374	360	79	96	NW 1	Calm 0	3	0	—	Beautiful day.
6	276	321	50° 4	55° 0	39° 4	62° 4	345	409	94	94	S 1	Calm 0	6	10	—	Beautiful day.
7	359	349	56° 3	50° 6	46° 0	62° 0	380	352	84	96	S 1	Calm 0	6	1	—	Beautiful day.
8	447	479	51° 3	50° 8	46° 0	55° 7	343	347	91	93	Calm 0	SE 1	10	10	—	Fine but dull.
9	534	549	52° 0	47° 1	46° 8	54° 5	322	314	83	97	SE 1	NE 1	8	10	—	Dark and gloomy. p.
10	529	444	47° 7	35° 8	33° 3	53° 8	282	205	86	98	SE 1	SE 1	10	0	—	Fine and pleasant.
11	490	486	45° 8	38° 9	35° 0	49° 0	308	237	100	100	E 1	Calm 0	10	0	—	Dull and raw, with all day.
12	557	545	41° 5	45° 5	36° 5	49° 0	262	305	100	100	Calm 0	Calm 0	10	10	—	all day and night.
13	560	505	45° 6	47° 2	43° 5	50° 1	306	322	100	99	S 1	Calm 0	10	10	—	all day.
14	447	394	45° 0	47° 4	44° 0	47° 5	299	322	100	98	Calm 0	Calm 0	10	10	—	all day.
15	233	134	48° 4	46° 2	45° 6	56° 5	314	293	93	95	W 1	NE 1	10	10	—	Dull day. at night.
16	245	291	39° 8	33° 5	31° 4	47° 2	217	179	89	94	N 1	N 1	10	4	—	Beautiful day. First frost of the season.
17	30° 307	30° 199	35° 5	33° 8	24° 5	47° 5	160	183	77	94	N 1	Calm 0	8	0	—	Beautiful day. p.
18	29° 864	29° 876	54° 0	49° 4	32° 6	55° 5	350	288	84	83	W 1	Calm 0	10	10	—	Fine but dull.
19	30° 020	847	46° 8	52° 6	37° 6	54° 0	263	379	82	96	W 1	Calm 0	10	10	110	Very pleasant, sunny day. at night.
20	29° 587	454	57° 0	54° 0	52° 0	61° 3	437	311	94	74	SW 4	SW 4	10	10	060	Squally p.
21	394	29° 677	46° 6	40° 3	38° 4	54° 0	240	227	76	92	NW 3	NW 1	1	10	060	Bright, with showers.
22	922	30° 004	45° 4	46° 3	36° 5	49° 6	252	290	84	93	NW 1	NW 1	8	10	180	
23	29° 925	30° 016	49° 6	53° 2	45° 2	56° 8	355	371	100	92	S 1	Calm 0	10	10	090	Dull with all day.
24	30° 046	29° 921	53° 5	55° 1	51° 0	58° 4	364	421	89	97	Calm 0	NW 1	10	10	010	Dull with all day.
25	29° 813	692	55° 6	48° 7	48° 4	60° 0	389	338	88	99	SW 2	Calm 0	10	10	290	
26	29° 756	29° 840	45° 6	40° 6	38° 0	50° 8	258	228	85	90	W 1	Calm 0	5	6	—	Very fine and bright.
27	30° 013	30° 079	46° 4	47° 9	38° 6	54° 0	239	271	77	82	SE 3	SE 2	0	7	—	Very fine.
28	2103	206	53° 8	50° 6	46° 1	57° 7	350	345	84	94	E 3	SE 3	8	6	—	Very fine.
29	281	247	48° 0	46° 5	45° 0	55° 2	279	272	84	87	NE 1	Calm 0	9	10	—	Very fine.
30	210	251	47° 1	47° 7	45° 0	49° 0	273	254	84	77	E 1	E 2	10	10	—	Dull and cold.
31	276	281	48° 9	47° 3	46° 8	51° 0	265	276	77	85	E 1	E 1	10	10	—	Dull and cold.
Means	30° 137	30° 144	49° 3	47° 0	41° 9	54° 5	311	299	87° 4	91° 7	1° 2	0° 8	8° 5	7° 4	1° 120	Fine and bright.

## CARMARTHEN.

Height above Mean Sea Level, 188 feet. Long. 4° 18' W. Lat. 51° 52' N.  
OCTOBER 1879.

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.	56° 5	48° 6	48° 5	62° 5	ins.	ins.	96	93	SW 3	W 1	10	2	ins.	
2	29° 883	29° 855	56° 5	48° 6	48° 5	62° 5	437	315	96	93	SW 3	W 1	10	2	220	Frequent showers. 3p.
3	29° 843	30° 009	47° 2	42° 6	42° 4	56° 5	301	264	93	97	W 1	W 1	9	3	160	
4	30° 120	180	48° 6	54° 2	37° 1	57° 9	309	385	91	92	SW 2	W 3	10	9	040	
5	270	234	57° 2	48° 4	47° 8	63° 4	394	340	84	100	W 2	Calm 0	8	10	—	9p.
6	217	262	56° 2	52° 4	44° 3	64° 8	401	356	89	90	SE 2	E 3	0	0	—	
7	314	336	59° 3	49° 9	49° 0	67° 5	399	343	79	96	E 3	Calm 0	0	0	—	
8	400	460	59° 0	50° 6	45° 4	70° 2	379	353	76	96	E 1	Calm 0	0	0	—	Dew in rain-gauge measured '020 inch.
9	511	511	46° 3	49° 0	42° 6	63° 3	309	334	99	97	N 1	E 3	10	0	—	ca. and before.
10	517	461	46° 4	45° 4	44° 6	60° 7	289	299	92	98	E 2	Calm 0	10	0	—	
11	484	483	44° 8	47° 8	38° 7	61° 2	272	325	92	98	E 2	Calm 0	0	10	—	before ga.
12	543	532	44° 8	46° 8	39° 1	62° 1	293	321	99	100	Calm 0	E 2	10	0	—	[measured '020 inch.
13	544	497	45° 2	50° 5	41° 9	53° 6	302	360	100	98	N 1	E 2	10	10	020	a. p. Dew in rain-gauge
14	440	341	47° 2	49° 9	46° 0	53° 4	323	329	99	92	E 2	E 2	10	10	—	ga. and before.
15	275	178	52° 5	49° 0	48° 9	57° 3	329	315	83	91	N 2	NE 3	10	6	020	
16	270	307	46° 6	35° 1	34° 9	50° 6	225	176	71	85	N 2	N 2	0	0	—	
17	30° 316	30° 147	34° 7	51° 4	30° 1	51° 8	185	358	92	94	W 1	Calm 0	10	10	040	
18	29° 941	29° 947	52° 4	50° 7	41° 5	57° 1	335	321	85	87	W 3	W 4	10	10	040	
19	30° 015	801	50° 4	55° 7	48° 0	57° 3	329	444	90	100	NW 1	SW 5	9	10	290	
20	29° 632	528	57° 0	51° 3	50° 8	58° 9	453	318	97	84	SW 6	W 2	10	10	290	
21	458	29° 733	51° 4	49° 6	46° 7	53° 0	267	290	71	82	W 4	NW 5	5	4	070	
22	943	30° 027	49° 3	47° 6	46° 7	53° 9	261	305	75	93	NW 2	NW 1	10	1	060	
23	29° 939	30° 043	53° 9	54° 9	45° 6	59° 2	413	410	99	95	W 3	Calm 0	10	10	020	
24	30° 050	29° 954	54° 3	54° 9	53° 3	59° 7	419	431	99	100	Calm 0	SW 1	10	10	070	
25	29° 786	724	54° 9	46° 4	46° 2	57° 3	431	311	100	98	SW 4	NW 1	10	9	320	
26	762	29° 823	48° 8	43° 6	37° 9	54° 1	277	270	80	95	Calm 0	W 1	0	10	160	1p.
27	29° 895	30° 029	51° 3	45° 0	43° 2	56° 9	286	267	76	89	E 5	E 2	5	8	—	
28	30° 070	157	49° 3	52° 5	44° 4	59° 2	289	336	83	85	E 3	E 4	6	5	—	
29	218	236	49° 9	45° 8	45° 7	55° 8	292	268	82	88	E 4	E 4	0	7	—	
30	213	220	47° 0	47° 5	45° 1	52° 9	262	274	82	84	E 3	E 1	9	7	—	
31	230	250	48° 2	47° 0	46° 6	51° 2	277	266	83	83	E 3	E 5	10	10	—	
Means	30° 233	30° 186	46° 4	45° 5	45° 1	48° 8	255	249	82	82	E 1	NE 1	10	10	—	
Means	30° 133	30° 144	50° 2	48° 7	44° 1	57° 8	322	320	87° 7	92° 3	2° 2	1° 9	7° 1	6° 2	1° 840	

## MARLBOROUGH.

Height above Mean Sea Level, 471 feet. Long. 1° 43' W. Lat. 51° 25' N.  
OCTOBER 1879.

1	29° 667	29° 889	57° 3	48° 9	48° 1	62° 7	449	387	95	98	SW 3	SW 1	10	0	070	
2	29° 873	30° 026	50° 4	44° 5	44° 2	58° 6	348	272	95	93	SW 1	Calm 0	10	10	146	
3	30° 193	210	50° 5	52° 7	42° 9	56° 1	293	346	80	87	SW 1	SW 2	3	10	—	P
4	277	301	57° 6	47° 2	47° 2	66° 9	369	309	78	96	W 2	Calm 0	5	0	—	
5	298	315	51° 7	51° 3	40° 1	63° 7	367	352	96	93	Calm 0	Calm 0	9	0	—	before ga. P
6	363	373	54° 2	50° 6	48° 1	64° 1	371	351	89	95	E 1	Calm 0	8	0	—	
7	434	486	52° 8	49° 3	47° 9	61° 6	353	336	88	96	Calm 0	Calm 0	10	0	—	P P P
8	529	542	50° 4	48° 4	43° 4	54° 5	317	299	87	89	Calm 0	E 1	10	10	—	
9	525	467	46° 2	37° 9	37° 9	52° 7	275	224	89	98	NE 1	Calm 0	10	0	—	P
10	489	519	43° 6	40° 7	34° 1	48° 7	281	252	99	99	Calm 0	Calm 0	10	10	—	all day. P P
11	568	557	43° 7	43° 0	37° 2	61° 7	283	268	99	97	Calm 0	Calm 0	0	0	010	before ga. all day. P
12	579	537	41° 7	45° 7	38° 1	60° 1	262	305	99	99	Calm 0	Calm 0	10	10	010	all day. P P P
13	471	345	42° 0	44° 6	41° 5	50° 7	262	290	98	98	W 1	Calm 0	10	10	010	all day. P P P
14	258	128	47° 2	50° 8	44° 4	52° 2	305	348	95	93	NW 1	N 1	10	10	040	
15	243	281	38° 8	35° 7	33° 4	51° 7	214	176	91	84	NE 2	Calm 0	10	0	—	
16	30° 307	30° 259	38° 4	32° 1	28° 2	55° 5	171	170	74	94	N 1	Calm 0	5	10	018	L
17	29° 928	29° 887	48° 2	47° 7	31° 7	55° 9	322	278	96	85	SW 1	Calm 0	9	0	—	
18	30° 015	29° 093	47° 2	50° 5	42° 2	56° 5	247	349	77	66	NW 1	W 1	8	10	100	
19	29° 680	29° 511	55° 5	52° 7	50° 4	57° 9	397	352	90	88	SW 2	W 3	10	10	172	
20	422	29° 695	49° 3	39° 5	39° 5	57° 7	263	224	76	93	NW 2	Calm 0	4	2	120	before ga. P
21	2911	30° 022	45° 9	45° 7	37° 4	50° 7	240	270	79	89	W 1	Calm 0	2	10	140	L
22	29° 989	29° 033	47° 7	52° 7	45° 2	55° 9	322	365	97	92	Calm 0	Calm 0	10	10	050	
23	30° 073	30° 003	52° 6	54° 7	51° 0	57° 6	366	422	93	99	Calm 0	Calm 0	10	10	—	
24	29° 850	29° 722	57° 5	49° 5	49° 3	58° 7	401	323	85	92	SW 1	Calm 0	9	10	—	
25	29° 776	29° 896	45° 5	38° 2	38° 0	55° 6	259	220	86	96	W 1	Calm 0	0	1	—	P P P
26	30° 026	30° 071	39° 3	44° 5	35° 0	53° 7	224	264	94	90	E 1	E 2	2	2	10	before ga. P
27	109	219	49° 9	48° 8	44° 3	55° 5	338	315	95	91	E 1	NE 1	10	10	—	
28	271	232	47° 2	45° 1	44° 0	54° 2	277	263	86	88	NE 1	NE 1	9	9	—	
29	207	217	44° 7	44° 9	44° 2	46° 7	259	272	88	92	NE 1	E 1	10	10	014	
30	254	244	46° 6	46° 7	44° 9	50° 0	260	290	83	92	NE 2	NE 1	10	10	—	
31	30° 224	30° 181	45° 2	43° 5	43° 5	47° 8	241	227	81	80	NE 2	NE 1	10	10	—	
Means	30° 155	30° 164	48° 0	46° 1	41° 8	55° 8	301	292	89° 0	92° 5	1° 0	0° 5	7° 8	6° 5	1° 000	



## STRATHFIELD TURGISS.

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

OCTOBER 1879.

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°0	49°5	48°7	63°5	ins.	ins.	96	89	SW 3	W 1	10	0	ins.	Squally p. D
2	29°681	29°901	59°0	49°5	48°7	63°5	477	313	96	89	SW 3	W 1	10	0	070	Squally p. D
3	29°894	29°999	55°1	49°0	43°3	58°2	369	275	85	79	SW 2	NW 3-4	10	10	0	p. a. p.
4	30°193	30°198	51°7	53°4	38°7	57°5	295	371	77	91	SW 3	W 2-3	6	2	0	p. a. p.
5	29°202	29°275	53°3	48°9	48°8	67°2	370	330	91	96	SW 3-4	NW 1	0	0	0	p. a. p.
6	29°291	29°309	55°4	48°9	42°2	64°2	409	334	93	97	S 0-1	E 1	8	0	0	9a. and 9p.
7	29°359	29°368	56°8	48°9	45°0	67°2	409	334	88	97	NE 0-1	E 0-1	8	10	0	9a.
8	29°410	29°467	55°8	45°7	45°3	65°5	396	303	89	99	E 1-2	Calm 0	10	0	0	9a. and 9p., also in afternoon.
9	29°516	29°531	50°4	50°4	40°8	56°1	351	329	96	90	E 0-1	NE 1	10	10	0	9a. and before.
10	29°521	29°555	48°9	40°8	40°0	52°3	301	233	88	92	NE 2	NE 1	10	0	0	p.
11	29°476	29°502	42°8	42°3	36°0	54°1	268	218	98	82	NE 0-1	NE 1	10	7	0	9a. p.
12	29°563	29°531	44°2	42°2	37°3	61°8	280	228	97	96	Calm 0	Calm 0	10	0	0	9a. p.
13	29°574	29°526	43°5	47°4	40°5	50°1	271	315	96	90	Calm 0	NE 0-1	10	10	0	9a. p.
14	29°464	29°352	44°1	45°2	42°6	51°1	275	289	95	97	NE 1	SE 1	10	10	0	9a. p.
15	29°248	29°092	48°9	52°1	44°4	52°3	328	357	95	91	NE 1	W 3	10	10	0	9a. p.
16	29°325	29°243	40°5	37°0	34°0	52°4	225	182	90	83	N 1	NE 2	10	10	0	9a. p.
17	29°279	29°247	38°0	31°4	29°5	49°7	173	167	75	95	NW 0-1	NW 1	7	0	0	9a. p.
18	29°035	29°063	47°4	49°4	29°3	57°5	303	279	93	80	SW 3	W 2	10	10	0	9a. p.
19	29°990	29°923	48°4	49°6	37°0	53°1	233	340	69	96	NW 3-4	SW 1	7	10	0	9a. p.
20	29°677	29°523	56°4	53°8	49°0	59°4	406	348	89	83	SW 3-4	NW 4-5	10	9	0	9a. p.
21	29°417	29°656	50°5	43°0	42°3	55°8	272	234	75	84	NW 3-4	NW 2	8	0	0	9a. p.
22	29°876	29°805	47°0	44°0	40°8	53°1	260	265	81	92	NW 2	NW 1	9	8	0	9a. p.
23	29°989	29°916	48°1	54°4	41°0	55°3	321	400	96	95	W 1	SW 2	10	10	0	9a. p.
24	29°068	29°014	52°8	54°5	51°1	56°1	377	410	94	97	Calm 0	W 1	10	10	0	9a. p.
25	29°874	29°710	56°2	55°0	53°3	61°0	416	415	92	96	SW 2	SW 1	8	10	0	9a. p.
26	29°764	29°892	47°6	35°4	33°8	55°0	281	195	86	94	W 2	NW 0-1	2	0	0	9a. p.
27	29°030	29°053	38°7	46°6	29°0	57°1	196	298	84	95	W 0-1	NW 0-1	0	10	0	9a. p.
28	29°109	29°226	51°5	50°3	40°5	56°2	360	338	95	93	NE 2	NE 1	10	8	0	9a. p.
29	29°253	29°235	48°8	47°0	46°3	52°3	295	275	86	86	NE 2-3	NE 2-3	10	10	0	9a. p.
30	29°195	29°198	45°5	46°1	44°8	47°6	274	305	91	98	SE 2-3	NE 2	10	10	0	9a. p.
31	29°239	29°231	48°0	48°4	44°7	49°8	272	297	82	88	NE 2-3	SE 2	10	10	0	9a. p.
Means	30°146	30°152	49°2	46°9	41°4	56°2	314	298	88°5	91°3	1°7	1°4	8°5	6°6	0°834	

## RAMSGATE.

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

OCTOBER 1879.

1	29°797	29°800	56°3	55°3	53°5	62°9	391	393	86	90	SW 6	Calm 0	10	3	180	Squally p. 9a. D <sup>2</sup>
2	29°935	29°923	56°0	49°1	46°9	60°4	343	318	76	91	SW 1	Calm 0	1	10	040	
3	30°203	30°204	51°0	53°4	41°0	53°9	292	388	78	95	W 1	SW 3	2	0	030	
4	29°244	29°294	57°9	58°1	47°0	61°1	391	446	82	92	W 1	Calm 0	3	6	—	
5	29°320	29°340	58°4	57°2	54°7	62°4	447	465	92	99	Calm 0	SW 1	10	5	—	
6	29°378	29°368	59°8	56°4	53°0	62°7	465	436	91	96	NE 1	NE 1	0	2	—	
7	29°381	29°479	59°1	57°6	53°9	65°4	421	—	84	—	NE 1	NE 1	1	3	—	NOTE.—Wet-bulb thermometer was [accidentally broken to-day.]
8	29°498	29°519	56°5	54°7	53°9	59°1	—	—	—	—	NE 1	Calm 0	10	10	030	
9	29°490	29°434	57°6	54°7	51°3	61°8	—	—	—	—	W 1	N 1	7	5	030	
10	29°390	29°477	49°3	53°1	47°9	58°7	—	—	—	—	NW 1	Calm 0	10	2	—	
11	29°534	29°544	54°9	49°5	47°9	59°5	—	—	—	—	Calm 0	Calm 0	10	10	—	
12	29°586	29°501	49°5	50°4	48°1	52°4	—	—	—	—	Calm 0	Calm 0	10	10	—	
13	29°430	29°316	49°7	49°7	46°1	52°9	—	—	—	—	Calm 0	Calm 0	10	10	—	
14	29°199	29°038	49°3	53°1	45°2	53°2	—	—	—	—	Calm 0	SW 6	10	10	—	
15	29°120	29°146	47°7	43°9	42°0	52°5	—	—	—	—	N 2	N 6	6	10	090	
16	30°173	30°203	44°1	44°1	39°9	52°1	—	—	—	—	N 5	Calm 0	3	3	090	
17	29°902	29°795	46°1	49°5	35°1	57°3	—	—	—	—	SW 6	SW 4	10	10	—	Squally 9a. and 9p. Very gloomy 2p.— [3p., gas necessary for two hours.]
18	29°945	29°907	45°9	42°3	39°5	52°0	—	—	—	—	W 3	NW 1	0	10	—	
19	29°601	29°502	48°6	57°6	41°5	59°9	—	—	—	—	W 4	SW 5	10	10	—	
20	29°372	29°583	50°0	47°7	44°3	57°6	—	—	—	—	SW 1	W 4	9	5	130	
21	29°837	29°949	46°3	42°3	39°5	51°6	—	—	—	—	W 2	W 1	1	1	—	
22	30°011	29°981	44°6	53°1	35°5	53°5	—	—	—	—	Calm 0	Calm 0	10	10	—	
23	30°051	30°031	53°1	53°3	40°5	54°3	—	—	—	—	Calm 0	Calm 0	10	10	—	
24	29°914	29°772	56°7	51°3	50°1	61°5	—	—	—	—	Calm 0	SW 1	10	10	040	
25	29°751	29°905	47°9	42°3	40°1	55°5	—	—	—	—	W 1	Calm 0	7	0	240	
26	30°045	30°073	51°7	53°1	38°0	54°5	—	—	—	—	SE 1	Calm 0	2	10	—	
27	29°126	29°246	51°5	49°0	44°5	60°1	—	—	—	—	Calm 0	SW 3	9	6	030	
28	29°262	29°273	49°7	47°5	45°5	52°3	—	—	—	—	NE 4	NE 2	9	10	110	
29	29°189	29°192	47°7	49°5	44°2	49°5	—	—	—	—	NE 3	E 4	10	10	—	
30	29°245	29°242	49°5	49°3	47°9	50°4	—	—	—	—	E 5	E 4	10	10	—	
31	30°208	30°145	46°8	48°6	42°7	51°4	—	—	—	—	E 1	E 1	10	10	—	
Means	30°135	30°143	51°4	50°9	45°3	56°5	—	—	—	—	1°7	1°6	7°1	7°1	1°040	

## SOUTHAMPTON.

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

OCTOBER 1879.

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.	58°9	50°0	49°9	64°9	in.	in.	%	%	SW	4	Calm	0	10	0	ins.	D 9p.
1	29°701	29°905	58°9	50°0	49°9	64°9	488	345	99	96	SW	4	Calm	0	10	0	000	
2	29°892	29°926	55°2	50°1	47°6	58°0	390	285	90	79	SW	4	SW	3	10	10	020	
3	30°214	30°242	53°9	54°8	40°1	59°6	321	384	77	89	SW	3½	SW	3	7	2	—	D 9a.
4	29°296	29°274	57°3	51°3	48°3	65°8	382	360	82	95	NW	2	Calm	0	1	0	003	D 9a. D 9p.
5	29°277	29°279	56°3	52°1	43°2	64°2	418	363	92	93	Calm	0	NE	1	9	0	—	D 2 a. D 9p.
6	29°317	29°337	58°5	52°0	49°1	67°1	411	356	84	92	ENE	2½	E	1	0	0	003	D 9a. and 9p.
7	29°393	29°441	57°8	52°0	49°1	67°1	415	361	86	93	NE	2	NE	2	1	0	—	D 9a. D 9p.
8	29°495	29°503	53°0	52°1	45°8	57°0	359	339	87	86	E	2½	NE	2	10	10	—	D 9a. and before.
9	29°497	29°440	49°9	49°4	48°3	54°0	304	312	85	89	NE	2½	NE	1½	10	10	—	
10	29°465	29°478	42°7	41°9	41°9	51°4	266	289	96	97	NE	2	NE	1	10	10	—	D 9a. D 9p.
11	29°538	29°526	52°8	46°8	41°0	57°2	328	309	82	96	NE	1½	NE	1	0	0	—	D 2 a. D 9p.
12	29°553	29°568	45°7	46°3	39°0	60°1	307	307	100	98	N	1	N	2	8	10	013	D 9a. D 9p.
13	29°428	29°428	45°9	48°9	44°2	52°6	304	322	99	93	N	1	NW	2	10	10	—	D 9a. D 9p.
14	29°500	29°500	48°1	50°6	44°1	50°9	313	349	93	95	NW	1	SW	2½	10	10	006	
15	29°210	29°234	40°7	35°7	35°0	51°8	218	173	86	82	NNE	3½	N	3	10	0	—	
16	30°279	30°243	35°3	35°2	31°3	50°5	168	188	81	91	NW	3	NW	1	7	0	—	early a. D 9p.
17	29°951	29°884	50°6	50°7	31°6	58°7	349	281	95	77	SW	3	SW	3½	10	10	—	
18	30°012	30°012	47°4	53°4	43°2	54°2	269	391	82	96	NW	2	SW	2½	9	10	122	
19	29°722	29°754	56°8	55°5	52°7	59°2	417	365	90	83	WSW	3½	SW	5	10	10	082	
20	29°454	29°692	49°1	43°5	43°2	55°8	282	244	81	86	W	3	NW	2	2	0	017	D 9p.
21	29°906	29°917	47°1	46°6	41°2	51°9	263	287	82	91	NW	3	NW	1½	8	10	123	D 9a. and before.
22	29°991	29°909	49°1	54°5	46°2	56°3	339	414	97	98	SW	1½	NW	2	10	10	130	greater part of the day.
23	30°003	30°002	53°7	55°3	51°9	57°5	395	432	96	99	WNW	1	SW	1½	10	10	015	D 9a.
24	29°867	29°706	56°0	53°4	53°2	58°4	425	388	94	95	SW	1½	WNW	4	9	10	197	D 9a.
25	29°778	29°882	46°6	40°7	40°2	53°7	282	239	90	94	NW	2	ESE	2	1	0	020	D 9p.
26	29°981	29°921	47°6	45°4	39°8	56°2	298	294	91	97	E	3	E	2	7	5	024	D 9p.
27	30°068	30°068	50°6	50°0	43°2	58°6	355	327	97	91	E	1½	NE	3½	10	10	—	
28	29°210	29°190	50°3	45°7	44°2	53°6	306	287	84	94	E	3	NE	2	9	9	—	D 2 a. and before.
29	29°169	29°168	46°7	48°1	45°2	48°2	284	303	89	91	NE	3	NE	4	10	10	015	
30	29°212	29°205	48°3	48°1	47°3	49°9	306	298	91	89	NE	3	E	4	10	10	025	
31	30°197	30°150	45°2	44°9	44°5	48°4	290	251	97	85	E	1	NE	2	10	10	—	
Means	30°141	30°143	50°2	48°6	44°0	56°5	330	318	89½	91½	2½		2½	7½	6°	0°821		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## DARTMOOR.

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

OCTOBER 1879.

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.	%	%								
1	29°732	29°930	53°	46°	44°	54°	403	317	100	100	SW	1	SW	1	10	10	ins. 420	
2	29°911	30°073	49°	42°	40°	51°	356	263	99	98	SW	4	W	1	10	10	210	
3	30°205	263	47°	48°	38°	54°	276	339	84	99	W	2	W	4	8	10	140	
4	314	290	49°	44°	43°	59°	348	276	97	96	W	2	Calm	0	5	0	—	
5	238	221	51°	51°	44°	56°	355	361	94	97	SE	1	SE	5	3	10	—	
6	268	303	49°	50°	49°	57°	360	331	100	92	E	3	E	3	9	0	—	
7	367	480	50°	48°	45°	59°	346	322	93	97	E	3	E	3	2	8	—	
8	471	464	48°	47°	46°	50°	309	309	93	97	E	4	E	5	9	10	—	
9	457	449	45°	40°	40°	51°	286	252	95	100	E	3	E	2	7	10	—	
10	464	474	41°	44°	36°	58°	257	288	97	100	NE	1	NE	2	10	10	—	
11	507	505	48°	48°	42°	53°	333	304	99	99	ESE	1	NE	3	9	10	—	
12	518	488	49°	46°	46°	51°	335	303	100	96	E	2	ESE	1	10	0	—	
13	423	343	46°	46°	45°	54°	311	309	98	98	E	1	E	2	10	10	—	
14	269	188	49°	49°	42°	49°	349	343	98	97	ENE	2	NW	3	10	10	—	
15	246	310	38°	32°	30°	49°	195	155	84	86	NE	4	NW	2	2	0	—	
16	330	30°287	37°	33°	27°	43°	179	180	80	92	NE	3	NE	1	5	0	—	
17	010	29°976	48°	48°	33°	50°	335	327	100	96	WNW	3	WNW	2	10	10	050	
18	30°048	879	48°	51°	45°	52°	317	381	94	100	NW	2	W	3	10	10	060	
19	29°720	600	52°	42°	33°	53°	374	309	97	98	W	6	W	5	10	9	310	
20	344	29°718	44°	43°	40°	48°	298	249	100	88	NW	2	NW	2	8	10	1500	
21	29°971	30°063	44°	44°	41°	47°	229	274	78	92	NW	1	WNW	1	6	10	320	
22	30°012	060	48°	51°	44°	53°	346	374	100	100	W	2	NW	1	10	10	280	
23	30°093	30°028	51°	51°	49°	53°	377	381	100	100	W	2	W	3	10	10	420	
24	29°860	29°762	50°	43°	44°	52°	366	283	100	100	W	1	W	1	10	10	410	
25	804	820	42°	39°	38°	47°	230	238	85	98	NW	3	Calm	0	3	10	1070	
26	29°868	29°950	44°	44°	39°	49°	266	274	90	95	SE	2	E	4	3	10	—	
27	30°004	30°031	46°	48°	43°	48°	311	333	100	99	E	5	E	3	10	10	280	
28	178	163	43°	41°	40°	48°	270	252	96	98	E	4	NE	6	10	10	—	
29	132	114	40°	41°	40°	41°	237	240	93	93	E	6	E	8	10	10	—	
30	156	150	43°	43°	41°	43°	275	253	99	91	E	5	ENE	6	10	10	020	
31	30°150	30°153	40°	38°	38°	43°	256	233	100	100	E	4	NE	3	10	10	—	
Means	30°131	30°144	46°	45°	41°	51°	307	292	94°	96°	2°	2°	2°	2°	8°	8°	1°	490

## BABBACOMBE.

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

OCTOBER 1879.











1	29°720	29°933	58°5	49°3	48°0	63°8	441	328	90	94	W	4	WSW	2	9	9	070	D after 11p.
2	29°921	30°063	51°1	45°0	45°0	59°0	335	278	89	93	W	4	WSW	3	9	1	040	
3	30°211	263	55°8	50°9	41°1	59°9	348	342	78	92	WSW	3	SW	4	2	1	—	[after 5p. 10a. and D till 9p. 15a.—9.45a. D till 10a. and after 6p. 9p.—10p.
4	307	275	58°9	47°8	47°5	64°8	386	315	78	95	ESE	2	WSW	1	0	0	—	
5	328	243	60°0	56°5	42°9	61°1	401	394	77	86	SE	3	E	5	1	9	—	D till 10a.
6	288	303	54°3	56°7	53°9	60°7	389	396	92	86	ENE	4	ENE	3	10	0	—	
7	371	424	53°9	54°0	50°1	61°8	352	397	85	95	NE	3	NE	3	2	2	—	D in past n., and p. a.
8	475	489	52°9	53°2	52°0	54°7	346	340	86	84	ENE	4	ENE	4	10	10	—	
9	477	441	50°7	47°9	47°6	53°6	311	294	84	89	ENE	4	NE	2	10	10	—	a. and p.
10	466	477	46°9	48°9	46°0	51°1	297	321	93	93	ENE	2	NNE	1	10	10	—	
11	522	512	51°2	52°4	48°8	58°5	329	346	88	86	ENE	1	E	3	9	8	—	a. and p. D 5p.—8p.
12	520	469	54°1	52°4	52°0	55°6	384	371	91	94	E	3	ENE	2	10	2	—	
13	416	330	51°8	50°4	49°2	56°7	348	329	90	90	NE	1	ENE	2	10	10	—	a. and p.
14	271	152	48°7	53°4	47°0	53°5	325	379	95	93	NE	1	NNW	3	10	0	—	
15	230	271	44°6	40°0	40°0	53°8	225	194	76	78	NE	3	NNW	3	4	0	—	D p.
16	30°327	30°265	38°9	36°9	32°0	49°8	199	207	85	95	NNW	2	W	1	7	0	—	
17	29°989	29°970	52°6	52°3	36°2	59°8	374	321	95	82	W	5	WNW	3	4	10	030	D in past n., and p.
18	30°054	921	52°0	54°8	46°5	56°5	343	418	88	97	W	1	WSW	4	10	10	050	
19	29°759	623	56°0	52°8	52°6	57°8	433	340	97	85	WSW	6	W	5	10	9	170	Squally p. D 9p.
20	528	29°788	49°9	43°0	42°9	55°8	299	240	84	86	W	4	W	2	5	1	010	
21	29°968	30°063	49°9	49°6	43°0	52°9	268	303	76	86	NNW	2	WNW	1	9	10	030	D in past n., and after 10p.
22	30°005	071	52°9	55°5	47°0	61°5	380	400	97	91	WSW	3	NW	1	9	10	—	
23	30°098	30°012	55°5	55°6	53°9	61°8	407	430	93	97	SW	2	WSW	2	10	10	—	D till 9a.
24	29°866	29°762	54°9	49°0	49°0	59°8	399	338	93	97	WSW	3	NW	1	9	10	200	
25	809	821	50°1	45°1	39°2	56°9	288	284	77	94	WSW	3	SSW	2	0	9	140	D till 10a., and p.
26	29°899	29°962	52°0	50°9	43°6	54°9	264	311	69	84	SE	4	E	6	5	9	—	
27	30°007	30°109	51°0	54°3	49°8	54°9	373	373	97	89	ENE	5	E	5	10	10	040	a.
28	187	166	49°4	48°4	48°1	54°8	304	273	87	82	ENE	5	ENE	5	10	4	—	
29	140	133	47°0	48°6	46°4	48°9	275	290	86	86	NE	5	ENE	7	10	10	020	Squally p.
30	180	169	49°5	49°6	46°9	49°8	292	277	83	78	ENE	6	E	6	10	10	—	
31	30°148	30°146	47°3	45°8	45°4	49°7	280	233	87	76	E	5	ENE	4	10	10	—	—
Means	30°142	30°149	51°7	50°0	46°2	56°6	336	325	86°6	88°8	3°3	3°1	5°1	7°5	6°9	0°800	—	

Observer remarks: 3rd—16th was the longest dry period since one of 25 days ending October 9th, 1877.

## ST. AUBIN'S, JERSEY.

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

OCTOBER 1879.

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	3	WNW	1	10	6	ins.	Squally <i>n.</i> and <i>a.</i> with 
2	29°830	29°999	61°4	55°0	54°2	63°0	507	378	94	88	SW	4	WbyN	3	10	9	040	Squally <i>ga.</i> 2.30p.  <i>U</i> 11p.
3	30°014	30°152	58°1	52°1	52°1	62°1	396	324	81	83	WSW	3	Caln	0	4	0	—	Extremely fine. <i>D</i> 9p. [ <i>U</i> at times.
4	294	348	60°1	50°5	49°0	63°0	322	331	62	91	W	1	NE	2	2	0	—	<i>D</i> <i>a.</i> and <i>p.</i> Extremely fine. [3.30p.—10p.]
5	359	308	61°0	54°0	49°8	64°0	388	382	73	92	W	1	NE	2	2	0	—	<i>D</i> <i>a.</i> <i>D</i> <i>p.</i> Extremely fine.
6	255	216	59°7	58°7	51°4	64°9	372	414	73	85	ESE	3	E	5	1	0	—	<i>D</i> <i>a.</i> <i>D</i> <i>p.</i> Extremely fine.
7	224	251	59°0	58°8	52°7	64°2	380	405	76	82	ENE	5	ENE	4	0	0	—	<i>D</i> <i>a.</i> Squally <i>ga.</i> Extremely fine.
8	290	362	60°3	57°2	53°3	64°8	382	403	73	86	ENE	4	ENE	4	0	0	—	Very fine.
9	418	427	57°2	56°2	53°0	60°2	378	370	81	82	ENE	4	ENE	4	4	10	—	 in SE. <i>a.</i> <i>D</i> <i>a.</i> Very fine day.
10	428	397	54°3	53°9	52°4	57°4	334	349	80	84	ENE	4	ENE	4	10	10	—	Cold wind.
11	420	455	54°6	54°3	52°3	58°2	324	339	76	81	E by N	4	E by N	3	7	1	—	Fine, but with cold wind.
12	490	470	56°5	54°3	52°1	58°0	310	341	68	81	E	3	E	4	0	0	—	Very fine and bright. Cold wind.
13	483	460	57°4	55°2	52°0	61°3	368	399	78	90	E by N	4	E	2	0	0	—	Very fine. <i>D</i> <i>p.</i>
14	403	318	51°0	53°0	49°3	58°5	353	374	94	93	E by N	3	E by N	2	10	10	—	 early <i>a.</i>
15	274	208	54°3	53°5	50°2	54°8	334	343	80	84	ENE	1	N	1	10	10	026	Gloomy all day.
16	176	227	50°5	47°6	45°4	54°7	260	197	71	61	NE	3	NE	3	8	10	002	Cold breeze.
17	303	315	48°0	41°8	40°1	49°0	215	191	65	73	N	2	N	2	8	1	—	Coldest day in October for last 5 years.
18	144	012	51°6	54°6	40°2	56°0	304	339	79	79	WbyS	5	W	3	10	10	120	
19	30°075	30°007	55°2	56°5	51°0	57°8	338	445	75	98	N	2	W	2	10	10	200	
20	29°954	29°797	57°5	58°0	55°6	59°0	439	457	93	94	W	5	W	7	10	10	240	 (force 8) at night.
21	632	29°825	54°0	49°7	48°6	55°0	377	256	90	72	W	3	NW	2	10	5	230	
22	29°963	30°081	54°0	52°4	47°9	60°3	310	311	74	79	NW	3	NW	2	9	10	038	
23	30°090	30°091	54°3	55°9	48°5	56°5	405	423	96	95	WSW	2	N	1	10	10	128	Scotch  <i>p.</i>
24	30°137	30°097	55°7	55°6	54°1	61°1	407	431	91	97	Caln	0	W	1	10	10	140	 from 5p.
25	29°962	29°810	56°4	55°8	54°9	57°1	449	417	98	93	SW	2	SW	3	10	10	178	Scotch  <i>a.</i> [ <i>U</i> 9p.—9.15p.]
26	870	889	53°3	52°3	47°0	60°0	294	226	73	71	NW	2	SE	3	5	5	013	Very fine and clear <i>p.</i> Warm sunshine.
27	933	29°935	53°9	51°3	49°0	55°3	286	294	69	78	SE	3	E by N	4	0	1	024	Very fine day. <i>U</i> 6.30p.
28	29°973	30°084	55°2	56°1	50°0	58°7	335	367	77	81	E	5	E	4	10	10	—	
29	30°089	30°086	53°1	50°3	49°7	56°8	321	314	79	86	ENE	5	ENE	5	10	4	—	 11a. Clouds moving very fast <i>p.</i>
30	053	081	48°7	45°5	44°8	50°3	286	259	83	86	ENE	6	E by N	4	10	10	—	 all day. Fair but cold and overcast.
31	119	119	49°3	47°9	44°2	49°5	203	264	83	79	ENE	4	ENE	4	10	6	—	Cold wind.
31	30°107	30°114	49°3	47°6	45°9	50°0	280	286	80	88	ENE	4	E by N	3	5	0	—	Cold wind.
Means	30°154	30°161	55°0	53°1	49°7	58°1	346	344	79°5	84°3	5°3		5°0	6°9	5°7	1°370		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## MARKREE CASTLE, SLIGO.

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

OCTOBER 1879.

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°	53°	43°	56°	in.	in.	74	88	SSW 3	SSW 3	2	5	ins.	☉ p. ☾ 9p. Evening obs. taken at 9.30p.
2	29°566	29°601	53°	53°	43°	56°	29°	24°	88	88	SSW 3	SSW 3	2	5	ins.	☉ p. ☾ 9p. Evening obs. taken at 9.30p.
3	29°822	30°012	52°	54°	41°	55°	37°	41°	96	96	WSW 4	WSW 4	10	10	180	
4	30°187	30°143	55°	51°	49°	63°	30°	33°	90	88	SW 1	S 2	10	5	—	
5	30°141	30°245	53°	51°	44°	61°	34°	35°	85	93	SSE 4	ESE 2	2	0	007	
6	30°319	30°348	51°	45°	43°	60°	33°	28°	88	97	ESE 2	Calm	0	0	005	
7	30°423	30°485	50°	43°	39°	64°	35°	26°	97	97	Calm	Calm	0	0	008	
8	30°537	30°533	50°	42°	33°	68°	31°	26°	88	95	ESE 1	Calm	0	0	010	
9	30°540	30°535	49°	48°	38°	60°	33°	31°	95	95	N 1	Calm	0	10	—	
10	30°530	30°517	50°	50°	46°	54°	33°	33°	92	92	Calm	Calm	0	10	—	
11	30°552	30°552	47°	46°	46°	51°	30°	30°	93	96	SE 1	Calm	0	10	—	
12	30°547	30°506	48°	48°	46°	50°	30°	30°	92	93	S 1	Calm	0	10	010	
13	30°449	30°374	49°	50°	47°	52°	34°	34°	98	92	Calm	NW 1	10	10	050	
14	30°280	30°394	52°	38°	33°	55°	38°	21°	98	91	WNW 2	Calm	0	10	150	
15	30°416	30°370	42°	38°	29°	49°	29°	19°	86	85	N 1	Calm	0	9	10	
16	30°240	30°019	43°	36°	34°	52°	23°	36°	82	96	S 3	S 2	10	10	052	
17	29°971	29°981	51°	50°	49°	54°	30°	34°	81	95	WNW 4	WNW 2	8	10	122	
18	29°921	29°663	49°	55°	47°	56°	34°	41°	96	95	SSE 1	SW 2	10	10	326	
19	29°426	29°356	52°	47°	44°	57°	34°	26°	87	83	W 4	W 3	10	10	350	
20	29°506	29°809	46°	47°	41°	52°	24°	29°	79	91	N 4	NW 3	4	5	090	
21	29°964	29°975	50°	51°	45°	52°	29°	35°	81	94	NW 2	Calm	0	10	073	
22	29°943	29°919	54°	53°	50°	55°	38°	39°	90	97	NW 4	WNW 1	10	10	011	
23	29°966	29°767	54°	54°	52°	58°	40°	40°	97	96	WNW 2	SSE 4	10	10	209	
24	29°707	29°691	47°	43°	42°	55°	30°	23°	93	85	WSW 2	NW 3	10	10	146	
25	29°705	29°809	40°	37°	32°	51°	22°	21°	91	98	Calm	Calm	0	1	079	
26	30°003	30°126	42°	42°	34°	48°	23°	24°	87	92	ESE 1	E 1	5	0	040	
27	29°231	29°255	45°	38°	37°	51°	26°	22°	88	97	E 2	Calm	0	1	0	
28	29°287	29°298	45°	39°	34°	52°	20°	22°	97	92	Calm	Calm	0	10	10	
29	29°332	29°327	45°	49°	38°	53°	20°	32°	98	91	Calm	NNE 1	10	10	—	
30	29°356	29°361	47°	45°	39°	53°	20°	26°	94	80	NE 1	Calm	0	10	10	
31	30°332	30°288	44°	42°	41°	46°	24°	24°	82	90	ENE 1	Calm	0	10	10	
Means	30°124	30°139	48°	46°	41°	54°	31°	29°	89°	92°	1°	1°	7°	6°	2°	372

## DUBLIN.

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

OCTOBER 1879.

1	29°620	29°774	55°	47°	47°	57°	34°	24°	81	75	WSW 4	W 4	4	0	031	☉ 2.30p. ☾ 4.50p. Squally 9p.
2	29°742	29°938	47°	44°	43°	51°	25°	25°	78	88	WSW 4	W 3	1	0	164	Much cir. from S.W. early a. Festooned clouds 0.30p. ☉ 1.30p. ☾ p. with squalls a. and p. Mild p.
3	29°928	30°020	51°	55°	43°	59°	34°	36°	90	85	WSW 5	W by S 6	9	9	010	Fine but cloudy. ☉ 9p.
4	30°226	30°215	57°	54°	54°	59°	38°	30°	80	93	W 4	Calm	0	8	8	
5	30°210	30°201	53°	51°	48°	60°	37°	30°	90	96	SSE 3	SE 1	5	4	—	
6	30°352	30°373	48°	51°	43°	59°	33°	36°	96	96	Calm	E 1	4	0	010	☉ early a. ☉ a. Very fine day.
7	30°438	30°511	51°	50°	46°	53°	38°	35°	98	98	ENE 1	NE 1	10	10	010	☉ till 8a. Brilliant from 10a. ☉ p.
8	30°549	30°546	50°	49°	48°	51°	35°	33°	97	97	ENE 2	NE 1	10	10	—	☉ early a. Very dull with ☉
9	30°553	30°536	48°	45°	44°	50°	32°	28°	96	96	NE 1	NE 1	10	10	—	Very dull throughout. Damp ☉ all day.
10	30°524	30°527	49°	50°	44°	52°	31°	32°	92	88	WSW 1	Calm	0	10	10	☉ a. and p. Very dull all day.
11	30°566	30°564	49°	49°	48°	51°	31°	32°	90	93	Calm	NE 1	10	10	012	Smoke ☉ over the city a. and p.
12	30°573	30°532	49°	49°	47°	51°	32°	34°	93	98	W 1	Calm	0	10	014	
13	30°507	30°502	50°	50°	48°	51°	33°	32°	94	92	WNW 1	NW 1	10	10	—	Very damp and gloomy.
14	30°288	30°330	52°	43°	43°	56°	33°	21°	86	77	W by N 3	NNW 4	10	2	—	Mild and dull a. Rapid fall of temp. p.
15	30°379	30°366	42°	38°	36°	46°	20°	24°	78	88	N 3	NNW 2	8	0	—	Very cold early a. Bright from 10a.
16	30°324	30°094	41°	48°	36°	49°	20°	24°	78	88	WNW 2	WNW 4	9	8	—	Very cold in past n. Very fine. Milder p.
17	29°933	29°992	52°	50°	47°	54°	33°	30°	86	84	WNW 4	WNW 2	7	8	—	Cir. from NW. a. Cloudy but fine day.
18	29°998	29°727	49°	50°	46°	57°	30°	43°	87	95	SE 2	WSW 4	10	10	122	☉ from 11.30a. Very mild and damp p.
19	29°511	29°377	52°	49°	49°	58°	32°	27°	81	76	W 5	W 5	8	7	104	Very mild n. Squally with ☉ showers.
20	29°427	29°751	45°	48°	43°	52°	24°	28°	83	86	NW 5	WNW 4	7	8	—	☉ with squalls a. and p. ☉ early a.
21	29°063	29°007	48°	51°	44°	53°	29°	32°	88	86	WNW 3	WNW 3	8	10	084	Cloudy but fine. Mild p. [Bright day.
22	29°930	29°046	55°	55°	50°	57°	39°	38°	89	88	W by N 4	WNW 3	10	10	—	Very mild. Cloudy throughout.
23	29°006	29°857	56°	57°	54°	58°	42°	43°	92	90	W 3	W by S 2	7	6	—	Very mild and damp a. Fair but cloudy.
24	29°755	29°702	52°	44°	44°	57°	34°	25°	87	76	W by S 2	W by N 4	10	5	046	Fine and mild a. Much cir. from SW.
25	29°735	29°829	42°	39°	38°	48°	22°	21°	85	88	W 2	Calm	0	1	054	Slight cir.-c. from W. ☉ a. Day fine and bright. Smoke ☉ 9p.
26	29°941	29°099	46°	48°	36°	50°	29°	28°	94	84	SE by E 5	ESE 4	10	4	109	Sudden ☉ 2 n. ☉ 1.30p. ☉ a.
27	30°175	30°243	50°	50°	47°	52°	30°	34°	86	95	E by S 5	ESE 2	10	2	—	Fair and pleasant with ☉. ☉ p.
28	30°281	30°296	47°	50°	44°	53°	30°	33°	99	90	E 1	E 2	2	8	—	☉ early a. ☉ a. ☉ p.
29	30°314	30°312	48°	49°	43°	50°	31°	32°	93	93	NE 2	NE 2	10	8	—	☉ a. Dull but fine day. ☉ p.
30	30°340	30°336	50°	49°	48°	51°	31°	33°	86	85	E by N 4	E 4	10	9	010	☉ a. and p.
31	30°307	30°252	48°	47°	46°	49°	22°	22°	68	76	E by N 3	ENE 2	10	10	—	Dull day, but fine.
Means	30°140	30°156	49°	49°	45°	53°	31°	31°	88°	88°	2°	2°	8°	6°	1°	320

Observer calls attention to the remarkably heavy dews and wet fogs, yielding appreciable amounts of water in the rain-gauge.

## BIRR CASTLE, PARSONSTOWN.

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

OCTOBER 1879.

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°	44°	43°	56°	in.	in.	77	82	SSW 3°	W 1°	7	6	ins.	Large ☉ 0.15a., 0.45a., and 11.40p.  ☉ 9p. ☉ a. and p.  ☉ a. and p.<



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## GLENALMOND.

Height above Mean Sea Level, 529 feet. Long. 8° 40' W. Lat. 56° 27' N.

NOVEMBER 1879.

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° 314	36° 0	33° 5	31° 7	42° 1	ins.	ins.	66	68	N 3	N 5	5	1	ins.	Bright and cold. ✱ <sup>0</sup> showers. Squally [p.
2	407	428	37° 5	42° 8	33° 0	44° 0	137	190	61	72	N 5	NNW 5	2	2	—	Squally a. and p. Cold day, ground [quite hard.	
3	503	512	46° 8	41° 4	41° 0	50° 3	216	198	68	76	NW 4	NW 3	5	0	—	Beautiful day.	
4	516	527	43° 4	43° 0	36° 3	48° 7	202	213	72	77	NNW 1	WNW 3	2	8	—	Glorious morning. Beautiful day.	
5	543	545	42° 8	47° 3	38° 5	50° 1	199	210	72	65	NW 2	NW 4	4	2	—	Beautiful day.	
6	503	582	50° 0	48° 0	45° 0	52° 8	288	243	81	73	W 4	WNW 4	9	7	—	Rather heavy a. Beautiful day.	
7	528	529	47° 5	40° 4	39° 1	54° 0	244	222	75	89	NW 3	Calm 0	1	0	—	Beautiful day. Evening obs. taken at [9.20p.]	
8	449	522	43° 9	44° 9	37° 4	47° 7	233	219	81	76	W 2	WSW 4	6	10	0.021	Day dull, but fine.	
9	409	478	42° 8	42° 9	42° 5	47° 8	205	260	89	95	WSW 5	Calm 0	8	10	0.591	Squally a. ● most of the day.	
10	30° 211	30° 141	36° 0	39° 5	33° 7	47° 2	191	213	90	88	W 1	W 1	0	1	0.071	a. Day singularly cloudless.	
11	29° 659	29° 408	30° 9	41° 3	37° 2	44° 5	231	183	95	71	WSW 5	NW 6	10	0	0.058	Rough a. Day bright. Squally op.	
12	29° 834	30° 016	35° 8	35° 5	33° 7	42° 5	131	135	61	64	NNW 8	NNW 8	1	0	—	n. ✱ <sup>0</sup> a. and p. all day, with [squalls.	
13	30° 261	331	36° 1	32° 0	20° 6	42° 2	157	135	73	74	NW 1	Calm 0	0	0	—	Bright frosty morning. Beautiful day.	
14	391	407	25° 7	28° 0	23° 0	40° 1	110	122	79	80	WSW 0-1	Calm 0	2	0	—	a. Bright beautiful day.	
15	402	424	31° 9	38° 8	27° 5	38° 0	153	203	84	86	W 1	W 1	1	10	—	Bright frosty morning. Temp. rising. [Day beautifully fine and mild.	
16	30° 234	114	42° 0	47° 1	38° 0	47° 8	245	274	92	85	WSW 3	SW 4	7	10	0.010	Mild and cloudy. [veering.]	
17	29° 909	002	48° 7	46° 0	45° 2	55° 8	326	233	95	75	SW 4	Calm 0	10	0	0.090	● <sup>2</sup> showers 10a. Day fine. Wind	
18	30° 232	419	43° 0	43° 2	37° 1	57° 6	259	275	94	98	NW 0-1	Calm 0	3	0	—	Supurb day. from 3p. very copious [9.20p. Evening obs. at 9.20p.]	
19	485	501	46° 0	45° 8	39° 0	51° 6	311	305	100	99	Calm 0	SE 1	10	10	0.124	a. Dull. Wet with a. increasing p.	
20	520	496	38° 9	37° 8	36° 5	45° 8	200	175	85	77	E 1	E 2	10	8	—	Dull morning. Day fine.	
21	30° 257	30° 046	41° 7	40° 4	37° 3	42° 0	211	228	81	91	ENE 5	NE 5	10	10	0.384	● most of day. Squally op.	
22	29° 876	29° 964	39° 6	39° 4	34° 8	40° 5	198	201	81	83	NNW 2	E 2	10	10	0.014	Fine day.	
23	29° 973	30° 136	38° 3	37° 0	32° 1	42° 7	173	165	75	75	NNW 2	E 1	7	3	—	Day bright and fine.	
24	30° 235	392	36° 9	36° 1	32° 1	41° 5	166	169	76	79	NE 2	Calm 0	4	10	0.050	* n. Dull gloomy day.	
25	535	559	35° 4	34° 0	33° 0	36° 3	157	144	76	73	NE 3	NE 2	7	10	—	Dull a. Day bright and fine.	
26	440	333	33° 0	37° 8	32° 1	39° 9	151	175	80	77	NW 1	NE 4	10	4	—	Dull day.	
27	398	412	37° 7	35° 2	34° 0	39° 0	156	150	69	73	NE 4	NE 1	9	10	—	Bright and sunny. [cold. ✱ <sup>0</sup> 2.30p.]	
28	207	149	35° 9	36° 2	31° 2	42° 5	154	69	72	SW 2	N 1	3	4	—	Bright frosty morning. Day sharp and		
29	30° 113	30° 083	33° 0	30° 0	29° 6	36° 7	149	135	79	80	NW 1	N 1	4	3	—	Bright frosty morning. Sharp Nly.	
30	29° 947	29° 946	27° 8	30° 3	27° 1	32° 4	179	120	53	71	NNW 4	NNE 6	1	8	0.023	[wind all day. ✱ <sup>0</sup> Sp. and op.	
Means	30° 247	30° 250	39° 3	39° 2	34° 9	44° 8	199	193	78° 4	78° 7	2° 7	2° 5	5° 4	5° 0	1° 436		

## DURHAM.

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

NOVEMBER 1879.

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°083	30°204	41°7	31°4	30°8	42°8	213	160	81	91	N 0°9	WNW 3°4	10	9	0.323	* a.
2	279	344	37°2	40°1	31°2	41°6	191	229	86	93	NNW 4	NW 2°3	3	10	0.280	
3	443	488	44°1	36°7	35°1	49°1	282	204	97	94	N 1°1	W 0°5	10	0	0.012	
4	521	437	46°0	41°3	34°1	48°2	263	227	85	88	NW 0°7	SW 0°6	0	10	—	
5	543	570	48°2	45°1	40°9	51°0	247	252	74	84	WNW 3°5	NW 5°3	0	2	—	
6	526	429	49°7	45°3	44°2	51°1	290	268	82	89	WNW 3°6	NW 1°1	9	4	—	
7	526	542	51°7	41°0	39°5	56°4	301	235	78	92	NW 0°9	WSW 0°5	5	0	—	
8	484	364	43°1	39°4	35°3	49°0	250	216	89	90	SSW 0°5	SW 0°8	10	0	—	
9	187	092	48°3	46°8	37°4	50°6	272	315	81	98	S 1°3	S 1°7	9	10	0.340	
10	30°168	30°200	42°9	34°8	32°4	48°7	265	182	96	90	N 0°7	SW 0°9	10	0	—	
11	29°770	29°463	42°3	42°7	33°2	47°8	232	239	87	87	SSW 3°3	WNW 4°5	10	0	0.002	
12	29°819	29°968	39°6	33°2	32°3	43°3	166	141	68	75	NW 6°5	NW 3°2	0	0	—	
13	30°184	30°282	40°8	30°8	29°7	42°0	201	152	79	88	NW 2°3	NW 0°8	3	0	—	
14	349	419	36°9	29°6	29°3	41°7	193	148	88	90	N 0°4	SW 0°3	9	10	—	
15	441	414	36°8	32°4	26°1	43°0	197	153	91	83	SSW 0°6	W 0°6	0	10	—	
16	263	176	47°0	47°5	29°5	49°8	264	276	83	85	W 0°9	WSW 0°8	5	10	—	
17	002	027	55°0	47°3	42°4	55°4	347	257	80	77	W 1°3	W 2°3	8	0	—	
18	234	374	53°1	50°4	44°4	58°1	368	356	91	97	NW 0°8	NNE 0°5	0	10	0.016	
19	494	456	46°1	41°9	41°6	50°8	310	224	99	85	NE 0°8	ENE 0°8	10	9	0.020	
20	30°369	30°313	41°2	41°7	35°5	43°2	200	215	77	82	ENE 2°4	NE 2°8	9	10	—	
21	29°959	29°911	40°9	33°8	33°3	42°2	256	184	100	94	NW 3	W 0°5	10	10	0.250	
22	839	29°957	30°0	29°0	28°4	34°1	158	154	95	96	S 2	NW 0°7	10	0	0.060	
23	29°948	30°073	36°3	35°0	25°9	41°0	196	198	91	97	NW 0°8	Calm 0	9	7	0.030	
24	30°144	301	39°1	38°3	30°6	41°8	231	207	97	90	N 0°3	ENE 0°8	5	10	0.215	
25	399	430	39°2	34°3	33°7	40°4	186	170	78	85	ENE 0°7	NE 0°9	7	10	0.078	
26	337	213	33°7	34°0	32°3	35°4	159	184	82	93	NE 0°7	N 1°0	10	10	0.138	
27	222	303	40°7	37°8	32°9	42°7	187	194	73	86	NE 2°3	ENE 0°6	9	10	0.048	
28	167	30°042	34°1	36°2	30°3	39°5	159	187	80	87	NW 0°2	NNW 1°4	7	10	0.005	
29	30°036	29°942	32°0	28°9	28°2	36°7	170	142	94	89	NNW 0°7	NW 1°4	10	0	0.012	
30	29°844	29°812	29°6	25°2	24°8	33°1	148	129	90	95	NW 3°3	NW 2°3	0	3	0.105	
Means	30°206	30°212	41°6	37°7	33°5	45°0	230	207	85°7	89°1	1°7	1°4	6°6	5°8	1°024	

## DOUGLAS, ISLE OF MAN.

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

NOVEMBER 1879.

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.	45° 8	35° 0	35° 0	49° 2	266	153	86	75	NNW 5	N 4	6	1	ins.	
2	408	436	40° 9	41° 9	33° 2	45° 1	179	246	70	93	N 5	NNW 3	1	1	—	↗ a. U D p.
3	511	542	46° 5	46° 7	34° 1	55° 3	281	296	89	93	NNW 1	NNW 1	9	9	—	↗ a.
4	567	521	46° 4	46° 0	44° 6	49° 1	282	274	90	89	NNW 2	WNW 2	8	10	—	↗ a.
5	480	524	48° 5	47° 0	44° 3	51° 6	299	287	88	90	WNW 3	NW 4	6	7	—	↗ a.
6	509	559	48° 5	49° 8	46° 4	50° 6	303	320	89	89	WNW 5	W 3	8	10	—	
7	595	593	51° 7	48° 2	48° 2	53° 8	310	293	81	88	NW 4	Calm 0	7	10	—	
8	509	577	48° 6	50° 0	44° 0	50° 0	276	298	81	83	W 1	SSW 2	10	10	—	
9	220	006	51° 7	51° 5	50° 0	54° 0	332	373	87	97	SSW 4	SW 4	10	10	0.247	☉ <sup>2</sup> at night.
10	30° 192	30° 244	46° 0	38° 6	38° 6	51° 5	263	222	85	95	N 3	Calm 0	1	1	0.106	↗ p. l
11	29° 824	29° 659	45° 5	46° 7	36° 4	49° 2	292	264	96	83	WSW 6	WNW 10	10	7	0.200	↗ in squalls with ☉ <sup>2</sup> . At 2p. a tremendous squall with ☉ <sup>2</sup> passed over SW. of island, from W-SW to ENE., but did not touch us.
12	29° 937	30° 104	42° 8	41° 0	39° 2	47° 1	179	180	64	70	NNW 8-9	NNW 6	3	7	0.060	↗ with squalls. ☉ <sup>2</sup> ⚠ at intervals.
13	30° 247	315	41° 8	29° 0	29° 0	45° 7	209	142	79	89	NNW 2	Calm 0	3	0	—	↗ a. and p.
14	330	357	38° 8	42° 2	27° 6	45° 7	177	191	94	72	Calm 0	SE 2	6	0	—	↗ ga.
15	373	371	44° 0	45° 3	40° 0	45° 3	222	291	76	97	ESE 2	SSW 3	8	10	0.036	↗ ga.
16	340	259	45° 6	48° 8	44° 4	51° 4	269	308	88	89	WSW 2	SW 3-4	7	7	—	
17	110	155	51° 1	53° 7	48° 4	54° 9	345	387	91	94	W 5	NW 2	10	8	0.036	
18	311	401	53° 8	54° 8	52° 5	57° 0	409	406	98	94	WNW 2	NNW 3	9	1	0.009	
19	406	400	52° 6	47° 5	46° 8	56° 2	380	283	96	86	Calm 0	E 4	8	10	—	↗ ga. D <sup>2</sup> .
20	343	300	43° 6	40° 0	40° 0	47° 5	224	200	79	81	E 4	NE 5	8	1	—	↗ p.
21	30° 003	29° 048	43° 5	38° 3	38° 3	43° 5	237	179	83	77	NNE 6-7	E 3	10	4	0.330	⚠ 4p. and at night.
22	29° 865	29° 096	41° 7	33° 0	32° 7	47° 6	249	165	94	88	N 3	Calm 0	9	1	0.156	⚠ a. ✱ on the mountains. ↗ p.
23	29° 955	30° 063	41° 2	40° 0	30° 5	45° 7	244	222	95	90	Calm 0	ENE 2	10	1	0.003	
24	30° 138	249	41° 8	41° 3	39° 0	43° 3	234	223	88	86	NE 3	NE 2	3	8	—	↗ a. ✱ p.
25	371	412	40° 2	39° 3	38° 0	42° 0	192	178	77	75	NE 4	ENE 4	6	7	0.014	↗ a. Double U sp.-gp.
26	347	280	36° 9	35° 0	33° 6	39° 3	173	184	80	90	NE 4	N 2	9	8	0.012	↗ a. ✱ p.
27	279	309	40° 8	37° 7	33° 0	43° 5	198	212	78	94	NNE 5	NE 2	7	1	—	↗ a. Double U sp.-gp.
28	219	104	36° 5	33° 7	32° 0	41° 5	189	169	88	87	Calm 0	Calm 0	10	3	—	↗ a. ⚠ <sup>0</sup> at night.
29	30° 112	30° 085	34° 0	33° 3	30° 6	39° 8	162	104	82	86	N 1	Calm 0	3	8	—	↗ a. ⚠ <sup>0</sup> a. and p.
30	29° 067	29° 020	36° 0	32° 0	38° 8	38° 3	158	157	74	84	N 3	NNW 4	2	3	—	
Means	30° 253	30° 262	44° 0	42° 3	38° 7	47° 8	251	242	84° 9	86° 8	3° 2	2° 7	6° 9	5° 5	1° 269	



## KELSTERN.

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

NOVEMBER 1879.

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.	40° 6'	33° 6'	32° 6'	49° 7'	ins.	ins.	7/10	7/10	NNW 1	N 4	10	6	ins. * gp.
2	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	* ga. and before.
3	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
4	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
5	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
6	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
7	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
8	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
9	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
10	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
11	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
12	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
13	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
14	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
15	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
16	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
17	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
18	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
19	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
20	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
21	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
22	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
23	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
24	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
25	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
26	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
27	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
28	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
29	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
30	30° 181	30° 124	33° 7'	31° 7'	31° 7'	45° 8'	188	222	98	91	NW 4	NNW 2	9	10	
Means	30° 211	30° 210	37° 2'	36° 6'	32° 8'	43° 3'	208	208	92.1	98.8	2.5	2.4	7.7	5.2	2° 016

## LLANDUDNO.

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

NOVEMBER 1879.

1	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	Dull and cold. ☉ at 1.30p.
2	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	Dry but cold.
3	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
4	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
5	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
6	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
7	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
8	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
9	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
10	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
11	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
12	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
13	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
14	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
15	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
16	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
17	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
18	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
19	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
20	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
21	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
22	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
23	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
24	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
25	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
26	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
27	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
28	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
29	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
30	30° 133	30° 272	47° 7'	40° 2'	40° 0'	40° 2'	267	158	81	63	N 1	NE 7	10	7	050	
Means	30° 263	30° 270	44° 3'	43° 5'	40° 2'	47° 3'	238	235	80.5	81.3	2.5	2.8	7.1	7.1	0° 050	

## BUXTON.

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

NOVEMBER 1879.

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.	40° 5'	32° 5'	31° 4'	44° 9'	ins.	ins.	7/10	7/10	E 2	NE 2	8	3	ins. * p.
2	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
3	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
4	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
5	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
6	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
7	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
8	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
9	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
10	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
11	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
12	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
13	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
14	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
15	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
16	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
17	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
18	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
19	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
20	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
21	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
22	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
23	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
24	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
25	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
26	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
27	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
28	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
29	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
30	30° 248	30° 235	36° 7'	35° 9'	28° 0'	44° 3'	190	196	88	94	WSW 1	NE 1	2	2	—
Means	30° 251	30° 235	36° 2	36° 9	31° 0	42° 7	205	213	93° 0	93° 9	1° 8	2° 3	7° 5	5° 2	1° 950



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## UPPINGHAM.

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

NOVEMBER 1879.

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°	34°	34°	45°	ins.	ins.	78	85	NW 1	N 3	10	10	ins.	☉ early a. and p. Day dull.
2	30° 108	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
3	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
4	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
5	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
6	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
7	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
8	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
9	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
10	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
11	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
12	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
13	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
14	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
15	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
16	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
17	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
18	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
19	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
20	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
21	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
22	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
23	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
24	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
25	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
26	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
27	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
28	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
29	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
30	30° 110	30° 123	42°	34°	34°	45°	207	168	78	85	N 5	N by E 4	10	9	—	☉ 2.15a.—8.30a. force 7, a. Sunny
Means	30° 221	30° 225	37° 1	36° 9	33° 3	42° 7	204	201	89° 6	89° 0	2° 2	1° 8	7° 8	6° 9	0° 934	☉ a. Bright all day. Piercing wind.

## OSCOTT.

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

NOVEMBER 1879.

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° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
2	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
3	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
4	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
5	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
6	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
7	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
8	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
9	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
10	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
11	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
12	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
13	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
14	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
15	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
16	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
17	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
18	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
19	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
20	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
21	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
22	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
23	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
24	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
25	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
26	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
27	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
28	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
29	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
30	30° 102	30° 171	42°	32°	32°	45°	224	148	84	79	NNW 1-2	N 3-4	9	1	0° 70	Dull, ☉ or ☉ from 2-45p. ☉ 2.6p.
Means	30° 245	30° 244	37° 8	37° 7	33° 9	43° 8	209	210	88° 8	89° 2	2° 3	2° 4	7° 6	6° 5	1° 140	☉ a. Day very fine. Low, soft cir-s. [spread out, op. ☉ op.

## CHURCHSTOKE.

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

NOVEMBER 1879.

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°	33°	33°	46°	ins.	ins.	78	85	NNW 2	SE 1	8	1	ins.	☉ a. ☉ with squalls p. Clear
2	30° 103	30° 135	42°	33°	33°	46°	216	140	80	73	NNW 2	SE 1	8	1	ins.	☉ a. Clear. Frosty p., then cloudy.
3	30° 103	30° 135	42°	33°	33°	46°	216	140	80	73	NNW 2	SE 1	8	1	ins.	☉ a. Bright and fresh. Dull p.



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## CARMARTHEN.

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

NOVEMBER 1879.

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.	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
2	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
3	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
4	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
5	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
6	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
7	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
8	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
9	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
10	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
11	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
12	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
13	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
14	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
15	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
16	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
17	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
18	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
19	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
20	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
21	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
22	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
23	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
24	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
25	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
26	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
27	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
28	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
29	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
30	30.135	30.169	44.5	39.1	38.8	48.0	in.	in.	84	80	Calm	0	10	7	ins.	
Means	30.273	30.258	42.1	40.6	36.3	48.1	22.8	22.5	82.7	85.6	1.6	1.9	6.7	6.6	0.700	

## MARLBOROUGH.

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

NOVEMBER 1879.

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	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
2	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
3	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
4	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
5	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
6	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
7	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
8	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
9	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
10	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
11	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
12	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
13	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
14	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
15	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
16	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
17	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
18	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
19	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
20	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
21	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
22	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
23	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
24	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
25	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
26	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
27	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
28	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
29	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
30	30.115	30.150	43.5	35.6	35.4	47.7	25.6	19.3	90	93	NE	1	10	10	0.040	
Means	30.266	30.257	36.8	37.3	33.3	44.8	20.1	20.8	89.4	91.1	0.6	0.6	6.6	6.6	0.600	

## STRATHFIELD TURGISS.

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

NOVEMBER 1879.

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°·095	30°·113	44°·9	38°·6	38°·0	47°·9	·203	·203	89	87	Calm	0	NE	1	10	—
2	·226	·339	35°·6	36°·0	36°·4	45°·4	·171	·174	82	82	NE	2	NE	2	5	·014
3	·408	·498	42°·2	44°·0	33°·3	48°·3	·238	·265	89	92	NE	2	N	2	7	—
4	·574	·575	44°·8	43°·9	42°·2	47°·5	·269	·266	91	93	Calm	0	N	1	10	—
5	·557	·575	44°·6	36°·8	36°·7	55°·1	·250	·205	85	95	NW	0-1	NW	1	9	—
6	·570	·541	40°·6	43°·3	32°·9	51°·4	·234	·257	93	76	N	2	NW	2	10	9
7	·602	·628	47°·8	43°·9	40°·8	54°·0	·284	·273	86	95	NW	2	N	1	10	2
8	·615	·535	44°·2	46°·1	40°·1	49°·5	·276	·288	95	93	Calm	0	NW	0-1	10	—
9	·421	·286	47°·5	45°·2	43°·2	50°·4	·292	·280	90	93	NE	1	SE	0-1	10	·007
10	·228	·30°·251	46°·6	43°·3	42°·9	51°·2	·393	·251	96	90	SE	1	N	2	10	4
11	30°·181	29°·856	40°·8	41°·3	39°·3	47°·0	·239	·240	95	93	W	1	NW	2	10	0
12	29°·166	30°·095	43°·9	37°·6	36°·3	48°·0	·193	·187	67	83	NW	3-4	N	1	0	9
13	30°·161	·284	38°·1	33°·0	31°·8	45°·4	·174	·167	76	89	N	2-1	N	1	0	0
14	·343	·395	29°·1	26°·0	23°·0	42°·8	·128	·107	81	76	N	1	NE	1	0	0
15	·454	·502	26°·5	23°·0	17°·1	43°·4	·111	·123	79	100	NE	0-1	N	1	0	0
16	·457	·391	30°·0	37°·8	16°·9	37°·9	·130	·201	77	89	NE	0-1	W	1	10	10
17	·318	·236	42°·8	50°·3	37°·0	50°·5	·244	·335	89	92	W	3	W	3	10	10
18	·267	·347	52°·9	51°·3	49°·0	53°·6	·381	·362	95	96	N	2	W	2	10	5
19	·362	·321	42°·5	34°·5	33°·5	53°·8	·250	·186	92	93	NE	2	NE	2	10	5
20	30°·159	30°·008	35°·1	33°·4	30°·9	38°·4	·177	·174	86	92	NE	3-4	NE	3	7	·181
21	29°·831	29°·806	33°·5	33°·8	31°·1	34°·1	·180	·170	94	91	E	0-1	SE	0-1	10	10
22	29°·999	30°·030	30°·5	27°·0	26°·3	34°·0	·156	·120	93	83	NE	0-1	NW	1	10	0
23	30°·081	29°·997	22°·0	28°·4	17°·0	41°·2	·089	·140	77	91	W	0-1	NW	2	0	8
24	·071	30°·187	34°·8	35°·5	27°·3	35°·7	·186	·197	92	96	NW	2	NW	2	10	10
25	·222	·230	32°·9	35°·8	31°·0	39°·3	·174	·196	93	94	E	1	NE	2	9	10
26	·215	·132	33°·3	32°·3	31°·2	35°·8	·136	·165	71	91	NE	2	NE	2	10	9
27	·112	·129	30°·8	35°·2	29°·2	38°·1	·152	·182	88	88	NE	0-1	NW	2	0	10
28	30°·139	·032	30°·4	34°·4	25°·3	41°·8	·143	·171	85	85	NE	0-1	NW	2	0	9
29	29°·993	30°·004	33°·4	30°·0	27°·0	40°·3	·162	·145	85	86	N	0-1	N	1	7	0
30	29°·919	29°·821	27°·5	28°·0	25°·2	33°·6	·110	·117	75	77	N	1	NE	2-3	0	0
Means	30°·250	30°·236	37°·7	37°·1	32°·1	44°·5	·203	·205	86°·2	89°·4	1°·3		1°·6	6°·8	6°·0	0°·883



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## SOUTHAMPTON.

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

NOVEMBER 1879.

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.	45°	39°	39°	47°	in.	in.	84	88	NE 1	NE 4	10	10	ins.	
2	30°087	30°093	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
3	30°100	30°106	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
4	30°110	30°116	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
5	30°120	30°126	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
6	30°130	30°136	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
7	30°140	30°146	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
8	30°150	30°156	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
9	30°160	30°166	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
10	30°170	30°176	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
11	30°180	30°186	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
12	30°190	30°196	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
13	30°200	30°206	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
14	30°210	30°216	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
15	30°220	30°226	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
16	30°230	30°236	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
17	30°240	30°246	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
18	30°250	30°256	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
19	30°260	30°266	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
20	30°270	30°276	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
21	30°280	30°286	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
22	30°290	30°296	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
23	30°300	30°306	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
24	30°310	30°316	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
25	30°320	30°326	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
26	30°330	30°336	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
27	30°340	30°346	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
28	30°350	30°356	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
29	30°360	30°366	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
30	30°370	30°376	45°	39°	39°	47°	249	212	84	88	N 4	N 4	0	0	—	
Means	30°244	30°251	38°5	38°2	34°1	44°5	209	211	86°7	88°3	1°9	2°1	6°7	5°0	0°511	

## HASTINGS.

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

NOVEMBER 1879.

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°047	30°018	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Dull cold day.
2	30°117	30°088	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Fine, but very cold.
3	30°186	30°157	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Fine day.
4	30°255	30°226	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Fine day.
5	30°324	30°295	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Fine day.
6	30°393	30°364	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Overcast. O in afternoon.
7	30°462	30°433	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
8	30°531	30°502	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
9	30°600	30°571	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
10	30°669	30°640	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
11	30°738	30°709	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
12	30°807	30°778	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
13	30°876	30°847	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
14	30°945	30°916	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
15	30°1014	30°1014	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
16	30°1083	30°1083	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
17	30°1152	30°1152	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
18	30°1221	30°1221	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
19	30°1290	30°1290	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
20	30°1359	30°1359	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
21	30°1428	30°1428	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
22	30°1497	30°1497	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
23	30°1566	30°1566	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
24	30°1635	30°1635	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
25	30°1704	30°1704	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
26	30°1773	30°1773	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
27	30°1842	30°1842	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
28	30°1911	30°1911	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
29	30°1980	30°1980	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
30	30°2049	30°2049	44°	42°	41°	48°	255	243	88	91	NE 1	NNE 5-6	10	10	—	Very fine.
Means	30°212	30°205	39°4	39°0	35°0	44°2	211	206	84°5	84°6	1°8	2°7	7°0	5°2	1°120	

## DARTMOOR.

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

NOVEMBER 1879.

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°	38°	34°	41°	in.	in.	%	%	NE 2	NE 1	10	8	ins.	Fine p.
2	30°098	30°084	38°	38°	34°	41°	229	237	97	100	NE 2	NE 1	10	8	—	Fine day.
3	30°167	30°153	38°	38°	34°	41°	229	237	97	100	NE 3	E 3	10	10	—	Fine. Gloomy at 9p.
4	30°236	30°222	38°	38°	34°	41°	229	237	97	100	E 1	NE 2	10	10	—	Fine. Gloomy at 9p.
5	30°305	30°291	38°	38°	34°	41°	229	237	97	100	NW 2	NW 1	10	10	—	Gloomy 9a. Fine day.
6	30°374	30°360	38°	38°	34°	41°	229	237	97	100	NW 2	NW 4	8	3	—	Fine all day.
7	30°443	30°429	38°	38°	34°	41°	229	237	97	100	NW 1	Calm 0	10	10	—	Fine all day.
8	30°512	30°498	38°	38°	34°	41°	229	237	97	100	Calm 0	Calm 0	10	10	—	Fine all day.
9	30°581	30°567	38°	38°	34°	41°	229	237	97	100	SSW 2	SSW 2	10	10	—	Gloomy 9a. Fine day.
10	30°650	30°636	38°	38°	34°	41°	229	237	97	100	S 1	NE 2	10	8	0°90	☼ 9a.
11	30°719	30°705	38°	38°	34°	41°	229	237	97	100	W 2	W 4	10	10	150	☼ n.
12	30°788	30°774	38°	38°	34°	41°	229	237	97	100	NW 3	NW 1	5	10	0°30	☼ 9a.
13	30°857	30°843	38°	38°	34°	41°	229	237	97	100	N 3	Calm 0	8	0	—	Fine day.
14	30°926	30°912	38°	38°	34°	41°	229	237	97	100	Calm 0	NE 1	1	10	—	Fine all day.
15	30°995	30°981	38°	38°	34°	41°	229	237	97	100	NE 2	NE 2	10	10	—	Gloomy a. Fine p.
16	30°1064	30°1050	38°	38°	34°	41°	229	237	97	100	Calm 0	W 3	2	8	—	☼ 9a.
17	30°1133	30°1119	38°	38°	34°	41°	229	237	97	100	Calm 0	SW 3	10	10	0°30	☼ 9p.
18	30°1202	30°1188	38°	38°	34°	41°	229	237	97	100	NW 2	N 1	10	1	—	☼ 9a. and before.
19	30°1271	30°1257	38°	38°	34°	41°	229	237	97	100	NE 3	ENE 5	10	2	—	☼ 9a.
20	30°1340	30°1326	38°	38°	34°	41°	229	237	97	100	E 4	E 4	5	8	—	Fine a. Gloomy p.
21	30°1409	30°1395	38°	38°	34°	41°	229	237	97	100	ENE 3	ENE 1	10	10	0°40	☼ before 9a.
22	30°1478	30°1464	38°	38°	34°	41°	229	237	97	100	Calm 0	NE 1	0	10	—	☼ 9a.
23	30°1547	30°1533	38°	38°	34°	41°	229	237	97	100	Calm 0	Calm 0	10	10	—	☼ 9p.
24	30°1616	30°1602	38°	38°	34°	41°	229	237	97	100	NNE 3	E 4	10	10	1°00	☼ 9p.
25	30°1685	30°1671	38°	38°	34°	41°	229	237	97	100	E 5	E 6	10	6	—	☼ 9p.
26	30°1754	30°1740	38°	38°	34°	41°	229	237	97	100	E 3	E 3	8	10	—	☼ 9p.
27	30°1823	30°1809	38°	38°	34°	41°	229	237	97	100	E 4	E 5	10	10	—	Fine day. Gloomy 9p.
28	30°1892	30°1878	38°	38°	34°	41°	229	237	97	100	E 6	ENE 5	3	0	—	Fine day.
29	30°1961	30°1947	38°	38°	34°	41°	229	237	97	100	ENE 4	N 2	10	0	—	Gloomy 9a. Fine day.
30	30°2030	30°2016	38°	38°	34°	41°	229	237	97	100	N 1	N 3	9	10	0°40	☼ 9a. ☼ p.
Means	30°265	30°251	38°	38°	34°	40°	227	233	92.8	94.8	2°1	2°4	8°0	7°2	0°450	











## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## DOUGLAS, ISLE OF MAN.

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

DECEMBER 1879.

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	24.3	24.3	37.3	ins.	ins.	100	100	N 2	Calm	2	1	ins.	—
2	29.920	29.923	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
3	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
4	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
5	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
6	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
7	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
8	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
9	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
10	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
11	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
12	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
13	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
14	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
15	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
16	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
17	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
18	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
19	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
20	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
21	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
22	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
23	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
24	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
25	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
26	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
27	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
28	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
29	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
30	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
31	29.883	29.885	30.4	24.3	24.3	37.3	1.10	1.13	100	100	N 2	Calm	2	1	ins.	—
Means	30.225	30.214	38.8	38.7	32.8	44.8	2.219	2.220	90.6	90.7	2.5	2.7	7.7	4.9	2.407	

## WAKEFIELD.

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

DECEMBER 1879.

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	29.826	29.915	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	Threatening appearance ga. * p.
2	29.880	29.832	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	* p.
3	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	Fine and bright 10.30a.—9p.
4	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
5	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
6	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
7	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
8	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
9	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
10	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
11	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
12	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
13	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
14	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
15	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
16	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
17	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
18	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
19	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
20	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
21	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
22	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
23	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
24	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
25	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
26	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
27	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
28	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
29	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
30	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
31	29.923	29.840	30.8	18.1	17.7	33.8	1.64	0.94	96	97	N 4	N 2	6	4	1.180	
Means	30.271	30.257	31.3	33.6	25.0	40.3	1.174	1.191	90.9	94.1	1.6	1.7	8.3	7.5	1.260	

## KELSTERN.

Height above Mean Sea Level, 388 feet. Long. 0° 7' W. Lat. 53° 21' N.

DECEMBER 1879.

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.	30.0	22.0	22.0	32.0	ins.	ins.	100	100	ENE 4	E 1	10	5	ins.	* ga. and before.
2	29.935	29.955	30.0	22.0	22.0	32.0	1.173	1.093	100	80	Cal'm 0	WNW 2	4	5	.050	Fine, but cloudy.
3	29.916	29.863	22.1	20.7	18.0	31.4	1.065	1.090	56	82	ENE 1	N 1	6	2	—	* before ga. Fine, but cloudy. Very fine gp.
4	29.910	29.850	20.8	24.4	15.9	31.7	1.066	1.133	64	87	ENE 2	ENE 1	7	8	.148	* p.
5	29.666	29.706	13.9	27.0	13.9	27.3	1.066	1.147	86	100	SW 1	SE 2	1	10	.126	Very fine ga. * p.
6	30.014	30.321	22.7	21.6	16.8	30.3	1.121	1.072	100	65	NNW 1	N 1	3	0	—	* before ga. Very fine day.
7	29.458	29.438	8.2	28.0	8.2	28.5	1.062	1.153	100	100	W 1	NW 2	1	7	—	* ga. and before. Fine but cloudy day.
8	29.505	29.580	33.0	32.3	27.0	36.6	1.175	1.156	93	85	N 1	NNW 1	3	8	—	Milder.
9	29.575	29.438	20.5	27.9	20.2	34.1	1.103	1.152	94	100	SW 1	SW 2	2	10	—	
10	29.484	29.503	34.9	25.2	25.2	37.5	1.172	1.129	84	95	NE 1	NW 1	4	0	—	Mild a. Fine day.
11	29.580	29.597	19.7	27.8	16.0	33.3	1.091	1.152	88	100	W 1	Cal'm 0	0	9	—	∞ all day. Very fine a. Fine p.
12	29.657	29.750	30.4	35.7	25.7	37.4	1.142	1.189	84	91	NW 1	N 1	7	10	.016	
13	29.759	29.623	33.9	31.7	31.7	36.4	1.184	1.172	94	96	WSW 1	WSW 2	9	0	—	∞ p. Very fine, with ∞ gp.
14	29.498	29.425	35.0	36.2	28.7	36.4	1.189	1.122	93	99	WSW 2	WSW 2	10	10	—	Overcast, with ∞ all day.
15	29.445	29.485	35.8	37.6	34.3	41.7	1.210	1.211	100	94	W 1	Cal'm 0	9	8	.006	∞ a. and gp.
16	29.497	29.484	35.7	25.4	24.9	38.3	1.209	1.137	100	100	SSW 2	SW 3	3	0	—	∞ ll day. Fine gp.
17	29.564	29.638	28.0	35.3	24.0	36.4	1.150	1.199	98	97	WSW 1	NNW 1	1	8	—	∞ a. ∞ p.
18	29.671	29.688	35.8	33.0	32.4	38.4	1.210	1.175	100	93	N 1	NE 1	10	1	—	∞ a. and p. Very fine gp.
19	29.698	29.676	36.0	36.0	31.1	37.4	1.198	1.199	94	95	ENE 1	E 2	9	10	.045	
20	29.571	29.454	32.6	30.8	30.5	36.0	1.174	1.166	94	93	E 2	SSE 2	10	10	—	Gloomy day.
21	29.561	29.278	26.1	31.3	26.0	31.5	1.142	1.177	100	97	S 3	S 3	3	10	.023	∞ a. ∞ ll day.
22	29.417	29.686	35.4	34.0	30.9	39.5	1.203	1.177	98	90	WSW 1	WSW 3	6	1	—	∞ a. Very fine day.
23	29.718	29.549	34.1	31.0	29.0	37.5	1.174	1.174	88	100	SW 2	SW 4	1	10	—	Very fine a. and p. ∞ gp.
24	29.535	29.418	30.0	31.5	27.1	36.7	1.164	1.172	98	98	SW 4	SW 1	1	0	—	∞ a. and p. Very fine gp.
25	29.601	29.606	20.0	28.7	27.9	40.9	1.142	1.146	89	92	SSE 1	SSW 1	1	0	—	Very fine, with ∞ ga. and ∞ gp.
26	29.531	29.474	24.0	28.1	23.6	29.7	1.129	1.151	100	98	S 1	SSE 3	10	8	—	∞ ll day, and very cloudy.
27	30.385	30.113	25.0	31.0	24.5	31.3	1.135	1.166	100	96	SSW 4	S 7	10	10	.113	∞ a. and p. Overcast. with ∞ gp.
28	29.932	29.707	47.1	52.8	30.8	52.9	1.318	1.330	98	82	SW 5	WSW 6	10	9	.010	all day. Mild. p. ∞ gp.
29	29.874	29.737	38.0	38.0	37.0	52.9	1.210	1.194	92	85	SW 3	W 6	1	8	—	Very fine and mild a. p. ∞ gp.
30	29.632	29.501	34.9	35.1	33.0	44.0	1.186	1.179	92	87	SSW 7	W 7	7	10	.118	all day. * p. [later.
31	29.552	29.562	37.0	47.9	33.8	48.6	1.218	1.318	99	96	SW 5	WSW 4	10	7	.400	a. and p.
Means	30.298	30.283	29.5	31.2	25.3	36.4	1.158	1.168	92.5	92.5	2.0	2.4	6.3	6.3	1.055	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## BUXTON.

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

DECEMBER 1879.

Day.	Barometer.		Air Temperature.				Tension of Vapour.		Relative Humidity.		Wind, Direction and Force.		Cloud Acount.		Rain.	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	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.	21° 7	21° 4	20° 2	34° 6	112	103	97	91	SW	2	5	3	ins.	* a. and p. ☉ gp. ☉ ga. ☉ gp. 

## HILLINGTON, NORFOLK.

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

DECEMBER 1879.

1	29° 644	29° 925	35° 0	15° 2	15° 2	36° 7	150	079	73	93	NW	2	NW	0.5	8	0	120	* a. * 2 showers 11a. and p.
2	29° 935	29° 842	15° 5	24° 5	8° 0	28° 7	068	094	93	74	NW	2	NW	2	0	3	—	Very fine and sunny.
3	29° 795	29° 791	25° 0	20° 1	16° 0	30° 3	123	071	92	66	E	1	NE	1	0	0	—	Very fine and sunny.
4	29° 659	29° 621	26° 8	20° 2	19° 5	28° 6	130	077	79	72	N	1	NE	2	8	0	0.020	* showers.
5	29° 660	29° 646	24° 5	26° 5	18° 4	28° 2	113	138	87	96	NW	1	NW	1	5	10	0.010	* showers with sunshine between.
6	29° 952	29° 293	21° 5	21° 5	13° 8	32° 4	108	104	95	92	NE	1	NE	0.5	4	0	0.100	Fine and sunny. Very cold p. [11p.]
7	29° 470	29° 421	8° 0	24° 9	5° 2	25° 5	057	122	92	93	S	0.5	SW	0.5	0	10	0.034	* a. * 3 ins. deep. Fine and sunny.
8	29° 458	29° 563	35° 8	31° 8	24° 5	37° 6	158	168	75	94	NW	1	NE	0.5	10	10	—	* early a. Sunny day. Slight thaw.
9	29° 592	29° 451	28° 5	30° 0	27° 9	33° 1	124	137	81	82	SW	1	SW	1	8	10	0.017	Sunny from 10.30a. Milder.
10	29° 459	29° 546	35° 7	18° 1	17° 8	37° 9	191	094	92	97	NE	1	NE	0.5	9	0	0.005	Very fine 10a. [11p.] with ground [11p.]
11	29° 582	29° 586	19° 9	17° 1	14° 3	25° 9	093	090	100	97	SE	0.5	E	0.5	10	0	0.006	[11p.] a. Very red sun p. [11p.]
12	29° 638	29° 732	27° 8	35° 3	14° 6	35° 5	152	168	100	96	W	0.5	SW	0.5	10	10	0.001	[11p.] a. Overcast all day. Thaw p.
13	29° 728	29° 655	34° 1	33° 3	33° 0	30° 8	190	188	97	99	SE	0.5	SW	0.5	10	0	0.001	Partial thaw in past n. [11p.]
14	29° 525	29° 443	34° 6	36° 4	30° 1	36° 4	164	203	81	94	SSW	0.5	SW	1	10	10	—	Overcast all day. Thaw.
15	29° 448	29° 474	35° 9	37° 5	35° 1	38° 1	205	225	97	100	SW	0.5	SW	1	10	10	—	Thaw. Snow gone. [Increasing.]
16	29° 515	29° 493	30° 9	28° 0	27° 8	38° 4	170	151	99	98	SW	0.5	SW	1	10	10	—	[11p.] 6a. Clear 7a. [11p.] 8a. and all day.
17	29° 572	29° 638	28° 3	25° 5	23° 3	30° 3	149	134	97	98	W	1	SW	0.5	10	4	0.010	[11p.] all day.
18	29° 638	29° 640	34° 2	34° 1	22° 5	38° 9	188	188	96	96	NE	0.5	E	0.5	10	0	0.013	* a. Thaw a. Very fine. Freezing 3p. Thaw later. [11p.]
19	29° 668	29° 627	34° 7	35° 6	33° 1	36° 5	186	104	93	94	E	1	E	1	10	10	0.008	* early a. Overcast day.
20	29° 668	29° 463	32° 6	31° 4	31° 0	36° 2	172	139	93	78	SE	1	SE	0.5	10	10	—	Overcast all day. [Cleared late p.]
21	29° 379	29° 330	25° 8	32° 4	27° 1	32° 4	132	172	84	95	SE	1	SW	0.5	10	10	0.012	Overcast day. [11p.] and increasing.
22	29° 434	29° 716	37° 9	28° 8	28° 0	41° 3	224	156	98	99	SW	0.5	SW	0.5	10	8	0.005	* 7a. [11p.] 9a. [11p.] 6p. [11p.]
23	29° 757	29° 586	29° 6	30° 1	26° 1	34° 5	188	168	97	100	SW	1	SW	1	3	10	0.004	[11p.] a. and p. [11p.] nearly all day.
24	29° 287	29° 427	28° 6	33° 1	23° 3	36° 3	142	182	91	97	WSW	3	WSW	0.5	10	0	0.006	[11p.] 2a. [11p.] all day. Ground [11p.]
25	29° 572	29° 605	26° 3	24° 3	23° 1	35° 5	166	116	96	90	SW	0.5	S	0.5	10	2	0.006	[11p.] 2a. and p. [11p.] early. Very fine [11p.] and sunny.
26	29° 540	29° 482	29° 8	29° 9	22° 1	32° 1	164	160	98	97	SE	1	SE	2	10	10	—	[11p.] 2a. and p. Overcast all day.
27	29° 432	29° 187	27° 6	31° 8	25° 6	32° 7	148	139	98	77	SW	1	SW	5	10	10	0.040	[11p.] 9a. and before. Overcast day. [11p.]
28	29° 052	29° 812	45° 3	51° 8	31° 5	52° 6	209	382	96	99	SW	3	SW	6	10	10	0.004	* 0 a. Mild. First real thaw since [11p.]
29	29° 917	29° 790	41° 9	39° 3	38° 7	52° 5	234	208	89	88	SW	2	SW	5	10	2	0.001	[11p.] a. Very fine day. Overcast evening.
30	29° 725	29° 571	38° 0	35° 1	34° 1	42° 4	186	161	81	77	SW	5	SW	7	10	4	0.094	Ground frozen hard in the wind, elsewhere soft. [11p.] at night.
31	29° 623	29° 599	39° 9	50° 1	3° 3	50° 7	225	330	92	91	SW	5	SW	5	10	10	0.111	[11p.] early a. [11p.] 2a. 3a.—8a. [11p.]
Means	29° 191	29° 289	30° 4	30° 4	21° 0	35° 9	162	162	91.4	90.9	1° 3	1° 5	1° 5	8° 2	5° 9	0° 627		

## UPPINGHAM.

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

DECEMBER 1879.

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.	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	[Brilliant 9p.]
2	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
3	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
4	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
5	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
6	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
7	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
8	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
9	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
10	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
11	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
12	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
13	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
14	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
15	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
16	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
17	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
18	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
19	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
20	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
21	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
22	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
23	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
24	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
25	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
26	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
27	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
28	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
29	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
30	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
31	29° 718	29° 921	28° 6	21° 0	21° 0	32° 8	111	109	89	81	NbyW 4	NEbyN 2	10	0	ins.	∞° 6a. * a., 3 in. deep. Cloudy p.
Means	30° 308	30° 203	31° 0	32° 1	27° 3	37° 0	167	169	92° 8	89° 2	1° 9	2° 1	7° 8	7° 4	1° 074	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## CHURCHSTOKE.

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

DECEMBER 1879.

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.	3 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.						
1	ins.	ins.	29° 50'	29° 46'	29° 9'	30° 0'	23° 3'	33° 0'	139	140	84	83	N	3	NE	5	7	10	—	—	a. Fine. Dull p.
2	° 982	° 908	17° 4	22° 4	15° 2	31° 0	° 053	1° 02	55	86	E	1	NE	2		4	8	—	—	—	a. Sunny. Dull with p.
3	° 878	° 784	27° 2	27° 9	10° 3	20° 0	° 122	1° 22	84	80	E	3	E	4		10	10	—	—	—	Bitterly cold.
4	° 754	° 605	20° 6	24° 1	16° 2	28° 0	° 086	° 089	80	69	NE	2	N	1		10	6	—	—	—	Gloomy.
5	29° 732	29° 653	23° 9	37° 1	18° 3	38° 3	° 100	° 217	79	98	NW	1	NE	4		8	10	—	—	128	a. p. *
6	30° 026	30° 347	28° 9	23° 9	21° 8	37° 1	° 112	° 085	71	67	NE	2	NE	2		8	4	—	—	—	* before 9 a. a. Clear p.
7	° 497	° 553	20° 6	30° 9	17° 2	32° 0	° 060	° 150	55	87	E	1	SW	1		5	6	—	—	—	a. Dull.
8	° 568	° 620	34° 2	32° 9	26° 3	40° 1	° 171	° 166	86	89	SW	2	WNW	2		7	10	—	—	—	a. Gloomy.
9	° 593	° 498	31° 4	35° 9	29° 0	36° 2	° 142	° 100	80	91	NNW	2	NW	1		8	10	—	—	° 046	a. Gloomy. Thaw p. * op.
10	° 495	° 574	36° 9	34° 9	33° 2	39° 1	° 209	° 186	96	92	W	2	NE	2		7	7	—	—	—	a. p.
11	° 616	° 649	32° 1	33° 6	31° 0	37° 0	° 170	° 177	94	92	E	2	NE	1		6	10	—	—	—	a. p.
12	° 713	° 785	34° 3	29° 9	28° 4	40° 1	° 175	° 139	88	84	N	2	N	1		7	4	—	—	—	before 9 a. a. and p. Fine.
13	° 774	° 646	26° 4	36° 9	24° 5	43° 1	° 096	° 182	68	83	N	1	SW	3		4	10	—	—	° 001	a. Dull with p. Slight thaw.
14	° 840	° 488	41° 2	42° 3	36° 6	45° 5	° 231	° 261	90	97	SW	1	SW	1		8	10	—	—	° 030	Thaw a. Mild and dull with p.
15	° 900	° 487	41° 1	39° 1	39° 0	44° 1	° 253	° 234	98	98	NW	2	NW	2		10	10	—	—	—	a. and p.
16	° 477	° 508	38° 8	31° 6	31° 0	41° 4	° 324	° 161	96	91	SW	2	W	1		10	3	—	—	—	a. Dull. p. Clear.
17	° 631	° 713	43° 4	27° 9	22° 3	43° 1	° 277	° 122	63	80	SW	1	NW	1		5	5	—	—	—	a. p.
18	° 707	° 680	32° 7	33° 9	24° 3	35° 0	° 168	° 179	91	92	SW	1	SW	1		10	10	—	—	° 007	a. a. and p.
19	° 713	° 670	30° 6	30° 9	20° 5	34° 5	° 152	° 148	90	85	SE	2	ESE	1		10	10	—	—	—	a. and p. Gloomy.
20	° 842	° 440	31° 9	29° 0	20° 3	33° 0	° 157	° 147	87	88	ESE	2	SE	4		7	10	—	—	—	a. and p. Dull and gloomy.
21	° 334	° 222	26° 4	41° 8	25° 3	42° 6	° 125	° 245	90	93	SE	2	SSW	3		10	10	—	—	° 027	a. Dull. p. Threatening appearance.
22	° 533	° 722	36° 2	36° 0	33° 0	41° 8	° 191	° 130	90	78	SW	1	SW	2		4	3	—	—	—	a. p.
23	° 735	° 550	36° 4	30° 0	28° 5	47° 1	° 195	° 137	91	78	N	3	NE	4		5	4	—	—	—	a. and p.
24	° 344	° 508	38° 8	35° 9	28° 5	46° 1	° 207	° 190	85	91	SW	4	W	1		6	3	—	—	° 030	a. p.
25	° 594	° 550	24° 6	21° 9	23° 7	39° 1	° 107	° 157	82	87	SW	2	NE	2		4	7	—	—	—	a. p. Dull. [Gloomy.
26	° 458	° 605	34° 9	31° 4	30° 0	37° 1	° 183	° 142	90	80	SE	3	SSE	2		8	10	—	—	° 010	a. Threatening. p.
27	30° 342	29° 977	32° 9	47° 9	27° 6	48° 1	° 166	° 285	89	86	E	2	SW	6		10	10	—	—	° 050	a. Gloomy. p. p.
28	29° 973	° 828	51° 4	51° 0	° 533	34° 0	° 295	80	77	SSW	5	SSW	6			8	5	—	—	° 020	a. Gloomy. p. Clear.
29	° 864	° 944	44° 8	38° 1	37° 0	52° 1	° 253	° 205	85	89	SW	4	W	5		10	5	—	—	° 055	a. Stormy. p. Clear.
30	° 599	° 736	36° 8	36° 6	33° 0	42° 1	° 199	° 166	92	77	SW	5	W	6		8	7	—	—	° 640	a. p. with * a. (mixed) p.
31	° 579	° 662	48° 4	52° 2	35° 0	52° 6	° 302	° 356	89	91	SW	5	WSW	6		10	10	—	—	° 260	a. and p.
Means	30° 322	30° 316	32° 8	34° 6	27° 9	40° 1	° 167	° 179	84° 1	85° 8	2° 3	2° 6	7° 5	7° 6	1° 294						

## CHELTENHAM.

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

DECEMBER 1879.

1	29° 826	29° 909	26° 8'	30° 9'	11° 2'	33° 5'	122°	150°	85°	87°	Calm	0	E	1	3	6	—	✱ <sup>0</sup> during the day.
2	29° 939	29° 1024	26° 8'	30° 9'	11° 2'	33° 5'	122°	150°	60°	91°	Calm	0	N	1	3	2	—	ga. Very beautiful day.
3	29° 842	29° 927	28° 5'	28° 2'	32° 0'	32° 5'	142°	148°	91°	96°	Calm	0	E	5	3	0	—	Fine day. Wind backed from W. to E.
4	29° 616	29° 701	25° 7'	23° 9'	22° 5'	28° 1'	125°	109°	90°	79°	NE	1	N	1	10	10	—	[Squally ga.]
5	29° 743	29° 828	21° 2'	35° 9'	13° 8'	35° 9'	092°	187°	83°	89°	S	1	NW	2	8	10	040	Fine and bright. ✱ <sup>0</sup> in evening.
6	29° 996	29° 1081	30° 5'	18° 5'	18° 5'	36° 1'	151°	083°	90°	84°	Calm	0	Calm	0	8	0	—	Fine and sunny. Slight thaw p.
7	30° 515	30° 538	17° 9'	27° 2'	13° 2'	32° 3'	069°	132°	71°	90°	Calm	0	Calm	0	0	6	—	in afternoon.
8	29° 546	29° 600	32° 0'	22° 4'	21° 6'	37° 0'	162°	105°	90°	89°	Calm	0	Calm	0	10	0	—	ga. Fine.
9	29° 616	29° 673	34° 9'	21° 5'	36° 0'	134°	175°	82°	86°	86°	Calm	0	Calm	0	10	9	120	ga. Dull. ✱ <sup>0</sup> 7p.
10	29° 484	29° 568	35° 7'	25° 0'	26° 0'	37° 5'	208°	109°	99°	76°	Calm	0	Calm	0	10	0	—	a. Thawing till 5p., then frost.
11	29° 619	29° 623	16° 2'	31° 4'	15° 3'	31° 6'	071°	167°	80°	95°	Calm	0	Calm	0	10	10	—	early a. Fine day. — <sup>2</sup> at night.
12	29° 700	29° 754	28° 0'	23° 3'	30° 5'	170°	131°	94°	86°	86°	Calm	0	Calm	0	10	10	—	ga. Fine day.
13	29° 797	29° 881	32° 0'	30° 8'	27° 6'	38° 4'	176°	107°	97°	97°	Calm	0	Calm	0	10	0	010	ga. and p. Dull and gloomy all day
14	29° 557	29° 646	39° 7'	41° 8'	28° 0'	42° 4'	208°	232°	85°	88°	Calm	0	SW	1	10	10	010	ga. Dull day.
15	29° 499	29° 570	38° 4'	35° 3'	33° 0'	43° 2'	231°	206°	99°	100°	Calm	0	Calm	0	10	10	—	all day. ✱ at night.
16	29° 470	29° 549	38° 2'	26° 2'	25° 8'	39° 3'	226°	124°	98°	89°	SE	1	Calm	0	8	10	—	Dull day.
17	29° 624	29° 677	25° 6'	24° 0'	28° 0'	38° 0'	139°	139°	100°	100°	Calm	0	Calm	0	10	10	—	all day.
18	29° 656	29° 638	28° 4'	34° 8'	20° 0'	37° 4'	147°	188°	95°	93°	Calm	0	NE	1	9	8	—	a. Dull and damp.
19	29° 657	29° 615	31° 7'	33° 9'	20° 0'	35° 5'	162°	183°	91°	94°	NE	1	NE	2	4	10	—	Fine day.
20	29° 522	29° 432	32° 0'	31° 4'	31° 0'	34° 0'	174°	167°	95°	95°	E	1	SE	1	10	10	—	Very dull.
21	29° 364	29° 262	30° 5'	41° 8'	27° 6'	41° 8'	159°	245°	95°	93°	S	1	S	1	10	10	130	Dull and damp. Temp. rising ga.
22	29° 502	29° 744	33° 0'	25° 3'	27° 1'	44° 0'	184°	149°	98°	97°	Calm	0	Calm	0	6	2	—	ga. Very fine day.
23	29° 758	29° 770	36° 4'	34° 8'	26° 4'	38° 8'	172°	185°	80°	92°	SE	1	S	2	5	6	—	Bright a. Dull p.
24	29° 408	29° 462	33° 8'	35° 2'	26° 2'	43° 5'	148°	214°	76°	100°	Calm	0	Calm	0	4	0	010	Very fine a. Rapid thaw with p.
25	29° 619	29° 576	25° 6'	30° 8'	23° 4'	36° 5'	139°	167°	100°	97°	Calm	0	Calm	0	10	3	010	all day.
26	29° 472	29° 350	35° 0'	29° 7'	28° 3'	35° 1'	174°	148°	85°	90°	SE	2	S	1	8	9	—	
27	29° 382	29° 174	34° 0'	42° 8'	26° 6'	42° 8'	197°	222°	91°	81°	SE	1	SE	2	8	9	010	Dull day. Thaw in the evening.
28	30° 047	29° 002	52° 0'	52° 0'	55° 3'	54° 5'	364°	358°	94°	92°	SW	1	SW	4	10	9	010	all day.
29	29° 957	29° 935	45° 7'	38° 3'	37° 2'	52° 0'	269°	178°	89°	86°	Calm	0	Calm	0	9	1	150	p.
30	29° 066	29° 847	38° 7'	39° 0'	35° 6'	45° 3'	207°	160°	88°	68°	SE	1	SW	3	9	0	180	a. Dull p.
31	29° 073	29° 706	47° 2'	52° 8'	35° 6'	52° 8'	298°	330°	93°	82°	W	1	SW	1	9	10	160	all day.
Means	30° 326	30° 309	32° 0'	32° 9'	24° 8'	38° 5'	170°	171°	89° 2'	89° 7'	0° 4'		1° 0'	7° 5'	6° 1'	0° 840		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## STRATHFIELD TURGISS.

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

DECEMBER 1879.

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°	30°	21°	35°	ins.	ins.	78	83	NW 2-3	N 2-3	0	8	ins.	—
2	29°777	29°852	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
3	29°773	29°809	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
4	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
5	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
6	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
7	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
8	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
9	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
10	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
11	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
12	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
13	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
14	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
15	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
16	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
17	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
18	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
19	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
20	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
21	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
22	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
23	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
24	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
25	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
26	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
27	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
28	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
29	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
30	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
31	29°784	29°820	27°	30°	21°	35°	120	136	83	78	NE 1	N 1	0	0	—	—
Means	30°338	30°331	31°2	31°6	24°7	37°3	160	158	86°1	84°9	1°7	1°7	7°7	6°7	1°207	

## RAMSGATE.

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

DECEMBER 1879.

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°674	29°865	27°	33°	25°	34°	137	165	94	88	W 2	NE 3	5	10	—	—
2	29°681	29°841	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
3	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
4	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
5	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
6	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
7	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
8	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
9	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
10	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
11	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
12	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
13	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
14	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
15	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
16	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
17	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
18	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
19	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
20	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
21	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
22	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
23	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
24	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
25	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
26	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
27	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
28	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
29	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
30	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
31	29°689	29°849	28°	34°	22°	33°	104	105	69	83	SE 2	Calm 0	4	10	—	—
Means	30°343	30°331	32°5	33°4	27°9	38°1	175	182	92°7	92°7	1°6	1°5	7°9	7°4	1°360	

## SOUTHAMPTON.

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

DECEMBER 1879.

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.	26°	30°	24°	35°	ins.	ins.	78	85	NW 2°5	NE 2	0	1	ins.	—
2	29°798	29°841	26°	30°	24°	35°	111	146	78	85	ENE 1	SSE 0°5	0	0	—	ga. * 0.40 p. — 9 p.
3	29°933	29°896	27°2	24°8	22°2	36°1	109	109	68	75	ENE 1	SSE 0°5	0	0	—	ga. and 9 p.
4	29°846	29°662	27°8	27°4	23°1	32°3	116	113	78	77	NE 2	E 4°5	8	5	—	a.
5	29°540	29°487	29°4	23°6	23°1	33°1	109	101	61	49	NE 5°5	NE 7	9	0	—	all day and very cold.
6	29°757	29°668	22°9	35°2	21°0	36°7	109	181	75	87	WNW 2	SW 3	9	8	008	* 10 n. * 0 showers 2 p.—4 p.
7	29°973	30°313	32°6	35°8	25°8	38°7	162	106	88	77	NE 1	NE 1°5	1	0	—	ga. — 9 p.
8	30°507	30°532	17°7	31°2	17°0	31°5	106	153	70	88	Calm 0	NW 0°5	4	10	—	ga.
9	29°519	29°585	34°9	39°0	29°7	39°2	158	136	79	72	NW 2	Calm 0	10	0	—	Δ or * 10 n. or early a. — 9 p.
10	29°645	29°537	22°1	31°4	20°5	31°4	107	173	83	98	N 0°5	NW 1	5	10	008	ga. — 9 p. with more or less all day.
11	29°478	29°545	34°8	39°2	29°7	40°5	192	160	95	95	W 1	Calm 0	10	0	—	ga. — 9 p.
12	29°605	29°645	25°0	36°6	23°4	37°6	108	145	64	100	NE 0°5	Calm 0	9	0	—	ga. — 9 p.
13	29°698	29°727	30°3	30°5	24°1	34°5	126	165	78	98	W 1	W 1	10	10	—	ga. — 9 p. greater part of day.
14	29°785	29°688	33°2	29°9	29°5	40°1	181	164	96	99	NE 1	E 1	9	9	—	ga. — 9 p.
15	29°610	29°528	33°8	39°7	29°5	41°5	184	228	94	93	Calm 0	W 1	10	10	012	more or less all day till 7 p.
16	29°493	29°460	37°6	38°3	35°8	43°1	217	229	97	99	Calm 0	NE 1	10	10	—	till noon. 9 p.
17	29°487	29°500	32°6	26°2	26°1	39°2	169	133	91	94	NE 1	N 1	0	0	—	9 p.
18	29°584	29°624	25°2	25°2	21°4	31°5	136	136	100	100	N 1	N 1	10	0	—	ga. — 9 p.
19	29°597	29°605	31°9	31°1	23°1	37°6	174	169	96	98	NNE 2	NNE 1°5	10	0	—	ga. — 9 p.
20	29°593	29°554	33°6	34°2	30°2	36°3	175	190	92	96	NE 2°5	NE 2°5	10	10	—	ga.
21	29°496	29°428	32°4	30°2	29°8	34°6	165	157	90	94	ESE 3	NE 2°5	10	10	—	Overcast all day.
22	29°379	29°341	28°8	39°0	26°0	39°1	133	224	86	94	ESE 1	SE 1	10	10	080	ga. — 9 p. all the evening.
23	29°460	29°772	42°1	30°0	30°5	45°4	264	171	98	99	NW 2°5	NW 1	9	0	—	0 early a. — 9 p.
24	29°795	29°890	34°2	33°3	26°6	40°6	196	190	99	100	ESE 1	E 1°5	10	10	—	ga. — 9 p. all the evening.
25	29°463	29°502	27°2	38°3	24°8	40°1	148	231	100	96	E 1°5	Calm 0	10	10	012	ga. (ga. being very thick) 9 p.
26	29°588	29°554	35°9	38°7	35°1	40°2	209	235	99	100	NE 2	Calm 0	10	10	—	a. — 9 p.
27	29°645	29°459	30°3	33°9	31°0	39°5	190	183	89	93	SE 2°5	SE 2	10	10	—	before 9 a.
28	29°442	29°273	35°2	40°8	33°2	41°0	182	223	88	88	SE 1°5	SW 3	10	10	032	with squalls n. — 9 p. [day.
29	29°172	29°018	48°1	50°3	40°2	50°7	326	359	97	99	SW 4°5	SW 6	10	10	150	ga. — 9 p.
30	30°060	30°043	43°7	40°7	40°3	51°6	278	204	97	80	SW 1°5	SW 3	2	1	008	ga. — 9 p.
31	29°844	29°866	45°1	39°0	45°6	250	178	83	76	SW 4°5	NW 3	10	3	155	ga. — 9 p.	
32	29°842	29°850	48°6	50°3	36°7	51°1	307	350	90	96	SW 6	SW 3	10	10	290	noon—0.45 p. Squally all the aft.
Means	30°338	30°326	32°8	33°5	27°9	39°2	171	180	87°1	90°2	1°9	1°8	7°7	5°6	0°755	all day.



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## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## DARTMOOR.

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

DECEMBER 1879.

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.	29° 8' 59"	29° 8' 54"	27° 2'	24° 0'	21° 0'	29° 9'	148	129	100	100	NE 1	E 2	9 10	ins. Fine a. and p. ☁ op.
2	29° 8' 52"	29° 8' 34"	27° 5'	26° 0'	18° 0'	31° 9'	138	141	100	100	SE 3	SE 1	10 0	—	—	☁ ga. Fine day.
3	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	ESE 2	E 6	6 10	—	—	Fine a. Gloomy p.
4	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	E 8	E 6	10 0	—	—	Gloomy. Clear at ap.
5	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	SW 1	W 2	6 10	—	—	Fine ga. and op. ✱ p.
6	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	W 2	NE 2	6 10	—	—	Fine a. and p.
7	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	NW 1	W 1	5 10	—	—	Fine a. and p.
8	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	NW 1	NW 1	10 10	—	—	Fine a. and p.
9	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	Caln 0	W 1	10 10	—	—	Gloomy.
10	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	W 1	E 1	10 10	—	—	Fine day. ☁ op.
11	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	Caln 0	Caln 0	10 0	—	—	☁ ga. and before. Fine p.
12	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	E 1	E 1	0 10	—	—	Fine all day.
13	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	Caln 0	E 2	1 2	—	—	Fine all day.
14	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	NE 2	NE 2	10 10	—	—	Fine a. and p. Gloomy op.
15	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	NE 1	NE 3	10 10	—	—	Gloomy.
16	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	NE 1	Caln 0	10 0	—	—	☁ ga. and before.
17	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	Caln 0	NE 3	0 0	—	—	Fine all day.
18	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	E 4	E 2	3 10	—	—	Fine a. ☁ p.
19	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	NE 3	NE 3	10 8	—	—	Fine a. and p. Gloomy op.
20	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	E 3	E 2	10 10	—	—	☁ ga.
21	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	SW 3	SW 1	3 10	400	—	Fine a. Gloomy p.
22	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	N 2	N 2	0 0	—	—	● before ga. Fine day.
23	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	Caln 0	Caln 0	0 10	—	—	Fine a. and p. ☁ op.
24	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	SW 2	W 2	10 10	—	—	☁ p.
25	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	Caln 0	SE 2	10 10	—	—	☁ a. and p.
26	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	SE 2	Caln 0	5 0	—	—	Fine all day.
27	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	SE 2	SE 4	10 10	1000	—	☁ ga. and op. Gloomy.
28	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	SW 2	W 4	10 10	900	—	● before ga. ☁ ga. ☁ ● 0 p.
29	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	W 2	W 2	10 0	730	—	☁ ga.
30	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	SW 4	W 2	10 10	350	—	✱ ● before ga.
31	29° 8' 50"	29° 8' 34"	27° 5'	26° 0'	20° 0'	29° 0'	134	147	100	100	W 3	W 4	10 10	790	—	☁ p.
Means	30° 3' 56"	30° 3' 33"	33° 1'	32° 2'	26° 6'	37° 4'	188	183	97° 1'	97° 6'	1° 8'	2° 1'	7° 2'	7° 1'	4° 16'	

## BABBACOMBE.

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

DECEMBER 1879.

1	29° 8' 70"	29° 8' 56"	33° 4'	33° 4'	27° 5'	38° 8'	149	154	78	81	NNW 3	NNE 4	1	9	0° 30	☼ showers 8a.-11.15a. [Midt.
2	29° 8' 90"	29° 8' 38"	30° 0'	34° 7'	29° 9'	38° 7'	158	133	95	67	NE 2	SSE 3	10	3	0° 30	☼ 3p.-4p. Squally p. ☼ 11p.-
3	29° 8' 70"	29° 8' 38"	30° 0'	34° 7'	29° 9'	38° 7'	158	133	95	67	NE 2	SSE 3	10	3	0° 30	☼ 0° 3p.-4p. Squally p. ☼ 11p.-
4	29° 8' 53"	29° 8' 54"	32° 4'	25° 7'	25° 5'	36° 0'	111	078	60	58	E 9	N 7	9	1	—	☼ 0° 3p.-4p. Squally p. ☼ 11p.-
5	29° 8' 803	29° 7' 44	25° 9'	33° 5'	23° 3'	38° 1'	088	171	64	90	WSW 2	SW 3	8	2	0° 10	☼ ☼

DECEMBER.

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## ST. AUBIN'S, JERSEY.

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

DECEMBER 1879.

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.	29° 8' 55"	29° 8' 51"	38° 9'	37° 3'	31° 0'	39° 0'	in.	in.	°/s	°/s	N	1	N	2	9	10	ins.	° 98	✱ 10a. and 5.30p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
2	° 933	° 913	31° 0'	31° 0'	31° 2'	29° 8'	37° 5'	° 148	° 127	85	72	E	3	E	4	9	9	—	—	—	[temp. on record here.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
3	° 802	° 467	24° 0'	31° 8'	22° 7'	31° 8'	° 100	129	78	72	E	4	E	9	9	10	10	—	—	—	○ <sup>9</sup> till 1p. at night. Lowest																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
4	° 203	° 313	33° 2'	32° 0'	29° 5'	35° 7'	° 149	° 157	79	87	E	8	NE	7	10	10	10	° 004	—	—	force 6-9. ✱ at times from 5p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
5	° 858	29° 794	34° 8'	38° 4'	29° 3'	43° 0'	° 121	° 218	60	94	N	2	W	6	3	10	10	° 150	—	—	Fine a. and b. 3p. △ 10p.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
6	29° 939	30° 305	42° 3'	33° 6'	32° 0'	43° 7'	° 202	° 138	75	67	N	3	NE	2	4	0	—	—	—	—	—	△ n. and a. Very fine p. [58°/5. 1p. 10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
7	30° 525	° 616	39° 0'	33° 3'	32° 0'	42° 7'	° 160	° 127	68	67	Calm	0	S	2	0	0	—	—	—	—	—	△ a. and p. Day very fine. Humidity																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
8	° 576	° 593	41° 2'	38° 2'	32° 2'	43° 9'	° 182	° 169	70	73	WNW	3	NE	2	10	2	° 014	—	—	—	—	—	△ 0° 45p. Fine night.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
9	° 602	° 626	39° 9'	29° 5'	28° 0'	38° 2'	° 101	° 108	61	67	SSE	3	S	3	10	10	—	—	—	—	—	○ 0° till 2p. Day fine though cold.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
10	° 583	° 519	31° 6'	37° 4'	28° 2'	37° 8'	° 150	° 212	84	94	S by W	2	NW	1	10	0	° 010	—	—	—	—	—	—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
11	° 616	° 671	32° 9'	34° 9'	31° 0'	39° 6'	° 158	° 145	85	72	ESE	3	SE	3	5	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



## MARKREE CASTLE, SLIGO.

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

DECEMBER 1879.

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.	25.3	20.9	20.6	37.4	in.	in.	100	100	Calm	Calm	3	1	ins.	—
2	30.045	29.951	25.3	20.9	20.6	37.4	1.137	1.113	100	100	Calm	Calm	3	1	ins.	—
3	30.087	30.181	21.2	33.1	16.0	33.6	1.107	1.172	94	91	Calm	E 3	10	10	—	—
4	30.07	30.07	31.1	25.0	24.8	34.2	1.169	1.131	98	93	E 2	ENE 2	10	2	—	—
5	30.07	30.07	34.7	22.6	18.9	35.4	1.116	1.118	90	97	E 0.5	Calm	0	2	—	—
6	30.068	29.965	28.1	35.2	22.3	44.4	1.151	1.192	98	93	Calm	Calm	7	1	1.120	Double — 1p.
7	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
8	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
9	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
10	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
11	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
12	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
13	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
14	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
15	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
16	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
17	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
18	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
19	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
20	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
21	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
22	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
23	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
24	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
25	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
26	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
27	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
28	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
29	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
30	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
31	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
Means	30.177	30.170	35.0	30.5	29.8	42.7	1.193	1.205	91.8	90.4	1.5	1.8	6.2	6.6	2.037	—

## DUBLIN.

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

DECEMBER 1879.

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	29.999	29.940	29.2	28.2	26.6	34.6	1.118	1.104	74	68	NW 2	NW 2	1	0	—	—
2	29.883	29.827	24.0	34.1	22.0	34.7	1.097	1.159	76	80	WSW 1	E 2	5	10	—	—
3	29.799	29.739	34.0	34.3	32.9	35.7	1.160	1.148	81	75	SE 2	E 3	10	7	—	—
4	29.771	29.761	27.2	23.2	23.1	35.6	1.110	1.077	82	86	Calm	W 2	1	0	—	—
5	29.696	29.739	31.3	37.1	21.8	37.7	1.154	1.201	87	91	W by S 4	W by S 3	4	8	—	—
6	30.005	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
7	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
8	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
9	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
10	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
11	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
12	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
13	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
14	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
15	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
16	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
17	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
18	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
19	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
20	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
21	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
22	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
23	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
24	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
25	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
26	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
27	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
28	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
29	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
30	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
31	30.030	30.281	31.2	32.0	30.3	37.3	1.163	1.160	98	88	W 2	Calm	0	3	—	—
Means	30.241	30.232	37.1	38.5	32.9	42.9	1.197	1.209	86.4	86.7	2.3	2.6	5.5	5.5	1.072	—

## BIRR CASTLE, PARSONSTOWN.

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

DECEMBER 1879.

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.	24.1	23.0	20.9	35.3	in.	in.	100	90	S 0.5	Calm	0	5	0	ins.
2	30.050	29.960	24.1	23.0	20.9	35.3	1.130	1.088	100	72	S 0.5	Calm	0	5	0	—
3	30.087	30.181	21.2	33.1	16.0	33.6	1.107	1.172	94	91	Calm	SE 1	7	10	—	* showers a. and p.
4	30.07	30.07	31.1	25.0	24.8	34.2	1.169	1.131	98	93	E 2	ENE 2	10	2	—	
5	30.07	30.07	34.7	22.6	18.9	35.4	1.116	1.118	90	97	E 0.5	Calm	0	2	—	—
6	30.068	29.965	28.1	35.2	22.3	44.4	1.151	1.192	98	93	Calm	Calm	7	1	1.120	Double — 1p.
7	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
8	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
9	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
10	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
11	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
12	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
13	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
14	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
15	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
16	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
17	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
18	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
19	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
20	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
21	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
22	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
23	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
24	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
25	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
26	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
27	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
28	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
29	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
30	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
31	30.032	30.273	31.2	26.3	24.6	41.4	1.168	1.143	96	100	Calm	Calm	9	0	—	—
Mean	30.214	30.229	33.9	35.7	29.3	42.8	1.191	1.199	93.1	89.0	1.8	2.4	6.3	4.6	1.859	



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## DURHAM.\*

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

FEBRUARY 1879.

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.m.	10 p.m.	Min.	Max.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	
1	ins.	ins.	30.2	28.9	25.3	33.2	145	115	86	73	SE 0.8	ESE 2	10	10	ins.	
2	29.832	29.953	30.2	28.9	25.3	33.2	145	115	86	73	E 1.1	ESE 0.9	10	10	0.04	* a. and p.
3	29.814	29.935	30.2	28.9	25.3	33.2	145	115	86	73	ENE 0.9	NE 0.5	10	10	0.029	* a. and p.
4	29.835	29.956	30.2	28.9	25.3	33.2	145	115	86	73	NW 0.5	S 0.7	9	4	—	
5	29.709	29.830	30.2	28.9	25.3	33.2	145	115	86	73	S 3.3	SE 0.8	10	10	0.096	* p.
6	29.712	29.833	30.2	28.9	25.3	33.2	145	115	86	73	SSW 4.1	SW 4.2	9	8	0.047	
7	29.716	29.837	30.2	28.9	25.3	33.2	145	115	86	73	S 2.4	W 0.3	10	10	0.042	
8	29.720	29.841	30.2	28.9	25.3	33.2	145	115	86	73	SW 2.7	SSW 1.8	9	4	0.134	
9	29.724	29.845	30.2	28.9	25.3	33.2	145	115	86	73	ENE 0.8	S 0.6	10	9	0.112	
10	29.728	29.849	30.2	28.9	25.3	33.2	145	115	86	73	NNW 0.8	NNW 1.4	10	10	0.006	100.
11	29.732	29.853	30.2	28.9	25.3	33.2	145	115	86	73	NNW 0.9	NNW 0.5	10	0	—	
12	29.736	29.857	30.2	28.9	25.3	33.2	145	115	86	73	NW 0.7	Calm	10	10	0.031	
13	29.740	29.861	30.2	28.9	25.3	33.2	145	115	86	73	SE 1.3	E 0.5	10	10	0.158	
14	29.744	29.865	30.2	28.9	25.3	33.2	145	115	86	73	ENE 1.3	ESE 0.9	10	10	0.216	
15	29.748	29.869	30.2	28.9	25.3	33.2	145	115	86	73	SSE 0.7	SE 2.3	10	10	0.238	* 10p. and before.
16	29.752	29.873	30.2	28.9	25.3	33.2	145	115	86	73	E 0.8	SE 0.2	10	10	0.058	* a. and p.
17	29.756	29.877	30.2	28.9	25.3	33.2	145	115	86	73	ESE 0.5	E 0.9	10	10	0.190	* 10p. and before.
18	29.760	29.881	30.2	28.9	25.3	33.2	145	115	86	73	ENE 0.5	W 0.2	8	4	0.060	* a.
19	29.764	29.885	30.2	28.9	25.3	33.2	145	115	86	73	S 1.3	SSW 0.2	10	0	0.225	* a. and p.
20	29.768	29.889	30.2	28.9	25.3	33.2	145	115	86	73	NE 0.3	E 1.4	10	10	0.098	* a. and p.
21	29.772	29.893	30.2	28.9	25.3	33.2	145	115	86	73	ENE 0.7	S 0.2	10	4	—	* 10a. and before.
22	29.776	29.897	30.2	28.9	25.3	33.2	145	115	86	73	Calm	WNW 0.5	4	0	—	
23	29.780	29.901	30.2	28.9	25.3	33.2	145	115	86	73	N 4.2	NW 0.5	10	2	0.270	Squally a. * a. and p.
24	29.784	29.905	30.2	28.9	25.3	33.2	145	115	86	73	NNW 2.4	NW 0.5	10	10	0.047	* a. and p.
25	29.788	29.909	30.2	28.9	25.3	33.2	145	115	86	73	NNW 0.8	NE 1.3	10	10	0.073	* 10a. and before.
26	29.792	29.913	30.2	28.9	25.3	33.2	145	115	86	73	NNW 1.4	SSW 0.3	8	10	0.060	
27	29.796	29.917	30.2	28.9	25.3	33.2	145	115	86	73	S 0.5	SSW 0.8	10	9	0.044	
28	29.800	29.921	30.2	28.9	25.3	33.2	145	115	86	73	NW 0.5	NW 0.9	10	7	—	
Means	29.786	29.906	30.2	28.9	25.3	33.2	145	115	86	73	1.3	0.9	9.5	7.5	2.345	

## DURHAM.\*

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

MARCH 1879.

1	30.019	30.053	38.8	33.8	29.9	44.2	168	162	72	83	WNW 0.2	SW 1.8	1	1	—	
2	29.938	29.968	42.0	39.8	33.3	43.1	212	193	80	79	WSW 2.3	SSW 4.2	3	9	0.027	Squally a.
3	29.912	29.942	40.7	38.5	32.0	41.4	203	186	83	82	WSW 2.2	SW 1.7	6	5	—	Squally a.
4	29.939	29.969	43.3	40.2	31.3	49.0	248	202	88	94	SW 4.4	SSW 3.6	10	10	—	Squally a. and p.
5	29.967	29.997	40.4	40.1	39.3	52.2	305	173	87	70	SSW 5.3	SSW 4.2	10	0	—	10p.
6	30.054	30.084	46.3	39.7	39.1	52.1	209	210	67	86	WSW 2.3	WSW 0.9	0	0	—	
7	30.058	30.088	49.7	37.7	37.2	56.4	250	195	71	86	WNW 2	SW 0.2	0	3	—	
8	30.062	30.092	42.2	41.1	30.8	55.5	216	193	81	76	S 0.8	S 0.7	0	0	—	
9	30.066	30.096	46.5	42.3	37.1	55.3	242	202	77	75	SW 3.6	WSW 2.4	5	2	—	
10	30.070	30.100	45.0	42.7	40.4	49.6	216	259	73	94	SW 4	WNW 0.8	7	10	0.060	
11	30.074	30.104	40.0	37.9	33.1	48.2	189	179	76	78	N 0.6	W 2.4	2	0	—	
12	30.078	30.108	52.3	30.7	30.1	54.9	300	157	77	92	WSW 8.4	NW 2.5	1	7	0.009	Squally 10p.
13	30.082	30.112	36.7	25.3	23.0	38.3	216	123	99	90	NNW 2.4	W 0.9	1	10	0.133	* p.
14	30.086	30.116	29.9	19.9	15.5	39.7	186	101	92	97	NW 0.4	SSW 1.8	1	10	0.030	* 10p.
15	30.090	30.120	41.8	34.8	30.0	45.2	234	201	88	99	SW 3	NNE 0.7	10	10	0.170	* a.
16	30.094	30.124	33.9	32.8	32.1	35.9	185	178	94	95	NE 0.9	Calm	0	10	0.020	* before 10a. * 10a. Δ p.
17	30.098	30.128	35.2	35.3	32.1	36.7	159	205	77	99	ESE 1.1	S 0.8	10	10	0.023	* p.
18	30.102	30.132	42.4	42.1	35.1	45.1	262	266	97	99	S 0.7	Calm	0	10	0.100	* a.
19	30.106	30.136	46.2	37.3	37.3	56.8	287	222	93	100	S 0.7	NE 2	0	10	—	10a. and before. 10p.
20	30.110	30.140	40.1	41.1	37.3	41.2	248	182	100	71	NE 0.8	NE 0.5	10	10	—	Δ a. 10a. and p. 10p.
21	30.114	30.144	39.1	34.8	34.3	41.2	223	191	93	94	N 0.4	E 1.4	10	10	0.038	* p.
22	30.118	30.148	33.7	33.1	32.6	35.0	161	148	83	78	NE 1.1	E 1.1	10	10	—	
23	30.122	30.152	35.1	31.7	31.1	38.0	132	119	64	66	ENE 2.4	ENE 2.8	9	10	—	* Δ p. Δ 10p.
24	30.126	30.156	31.0	30.7	30.3	32.0	100	154	58	90	ENE 0.8	E 3.1	10	10	0.012	* a. * Δ p.
25	30.130	30.160	31.6	31.6	29.4	33.0	118	164	66	92	ENE 2.4	E 2.3	10	10	0.020	* a. * Δ p.
26	30.134	30.164	33.4	29.1	29.1	35.1	185	155	96	96	E 3	ENE 3	10	10	0.022	* all day.
27	30.138	30.168	33.6	31.2	29.0	35.8	158	149	82	85	ENE 2.4	E 1.1	10	10	0.082	* a.
28	30.142	30.172	34.3	35.1	31.1	41.0	172	167	86	81	NE 0.8	SSE 2.7	10	10	0.060	
29	30.146	30.176	48.3	36.6	34.0	54.8	259	188	76	87	SW 0.9	SSW 0.8	1	0	—	
30	30.150	30.180	47.1	40.7	35.5	53.4	254	222	79	88	S 4.4	S 0.7	3	7	0.007	
Means	29.938	29.949	40.7	36.1	32.6	45.1	211	186	81.5	80.7	2.1	1.7	6.0	6.9	0.813	

\* Received too late to be printed in right order.

APRIL—MAY.

## DURHAM.\*

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

APRIL 1879.

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.m.	10 p.m.	Min.	Max.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.	10 p.m.	10 a.m.		
1	ins.	ins.	47.1	36.0	34.1	50.1	in.	in.	69	90	SW 2.3	WNW 0.7	7	3	ins.		
2	29.557	29.614	47.1	36.0	34.1	50.1	219	191	69	90	N 0.1	W 0.8	8	3	0.108	T	
3	29.572	29.629	47.9	38.8	30.3	53.1	241	166	73	71	N 0.2	W 0.3	4	0	—		
4	29.588	29.645	45.0	35.7	31.3	54.2	220	153	77	73	N 0.2	W 0.3	4	0	—		
5	29.604	29.661	47.7	41.3	30.4	55.9	239	243	73	94	SW 1.4	SW 0.7	9	10	—		
6	29.620	29.677	46.2	43.0	37.6	54.2	263	238	85	86	SSW 1.4	SSW 0.9	10	0	0.042		
7	29.636	29.693	46.0	43.5	40.0	55.4	289	267	94	94	S 2	S 3	10	8	0.096	Squally p.	
8	29.652	29.709	41.2	41.6	36.4	55.8	259	263	100	100	ENE 3	NE 0.3	10	10	0.198	10p.	
9	29.668	29.725	49.2	40.1	39.3	56.1	340	248	98	100	ESE 0.5	ENE 0.5	10	10	0.193	a. and p.	
10	29.684	29.741	37.6	38.0	37.0	40.3	217	210	97	92	ENE 2.3	ENE 2.8	10	10	0.040		
11	29.699	29.748	37.3	33.7	33.0	41.6	179	150	81	82	ENE 2.3	ENE 1.3	10	10	—		
12	29.715	29.772	41.3	30.4	30.4	44.6	183	163	71	94	N 0.7	NW 0.5	1	3	0.049	10p.	
13	29.731	29.788	35.4	28.6	28.5	40.1	155	148	75	94	ENE 0.6	WNW 0.1	10	4	0.182	* 10a. and before. * Δ p.	
14	29.747	29.804	33.7	33.1	27.4	40.1	169	172	87	91	ENE 2	NE 0.8	9	10	0.089	* a. and p.	
15	29.763	29.820	36.9	34.3	30.2	40.8	183	192	84	97	NE 1.4	ENE 0.8	10	10	0.025	* Δ a. and p.	
16	29.779	29.836	37.9	34.4	30.3	43.0	181	193	79	97	NE 0.8	N 0.7	9	10	0.048	* a. and p.	
17	29.795	29.852	39.1	35.0	34.1	45.3	193	181	81	86	N 0.9	WNW 0.6	9	4	0.023	* a. and p.	
18	29.811	29.868	39.1	35.7	30.4	43.9	200	184	84	87	NNE 2.3	NNW 1	9	3	0.018	* before 10a.	
19	29.827	29.884	41.2	34.9	33.2	42.5	198	190	77	94	NNE 0.9	Calm	0	6	—		
20	29.843	29.900	42.3	37.9	30.5	52.2	197	209	74	92	S 1.5	S 0.8	9	3	—		
21	29.859	29.916	41.7	36.2	34.1	45.8	217	195	83	91	E 3.0	ENE 0.8	10	10	—		
22	29.875	29.932	41.9	39.3	33.9	46.5	175	219	66	92	NE 0.8	N 0.6	9	9	—		
23	29.891	29.948	42.8	38.1	36.1	43.3	213	213	78	93	ENE 0.7	NE 0.8	10	10	—		
24	29.907	29.964	39.9	38.8	37.2	41.5	205	224	83	96	NE 0.6	NE 0.7	10	10	0.288		
25	29.923	29.980	36.5	38.8	36.3	40.1	206	230	96	98	ENE 0.6	W 0.3	10	10	0.077		
26	29.939	29.996	47.6	45.0	37.3	50.7	267	282	81	94	S 1.8	S 2.6	9	10	0.084		
27	29.955	30.012	52.2	44.4	38.1	57.2	260	265	67	91	Calm	0	NE 0.5	4	10	0.258	
28	29.971	30.028	47.7	40.7	38.4	44.7	251	252	95	99	NNE 0.9	NNE 1	10	10	0.015	10p.	
29	29.987	30.044	44.0	39.1	38.5	50.8	216	219	75	92	NE 3.2	NNE 0.8	9	10	—		
30	29.993	30.050	49.6	37.4	35.0	53.1	195	210	55	94	E 0.2	Calm	0	5	10	0.010	
31	30.009	30.066	46.7	37.3	36.5	48.3	201	193	94	87	E 0.5	NE 0.4	8	9	0.034		
Means	29.717	29.748	42.6	37.7	34.2	47.9	221	209	81.1	91.4	1.3	0.8	8.6	7.5	1.877		



## PART II.

## MONTHLY SUMMARIES FROM STATIONS OF THE SECOND ORDER, 1879.

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 list includes the stations, observations from which are given in the preceding pages *in extenso* on Form A., together with nine others, the results from which are given only in the form of Monthly Summaries.

The list varies from that of 1878 by the addition of Laudale, Cheltenham, St. David's, Londonderry, and Colebrooke, and the withdrawal of Prestwich and Hereford.

The hours of observation were 9 a.m. and 9 p.m. at all the stations, except Durham, where the hours were 10 a.m. and 10 p.m.

The minimum and maximum thermometers have been read and set at 9 p.m. at all the stations except at Sandwich and Laudale. At these stations the minimum temperature was observed at 9 a.m. The readings in all cases have been entered to the day on which they were made.

The Mean Pressure has been obtained by adding together the means for 9 a.m. and 9 p.m., and dividing the result by 2. Similarly the Mean Temperature is based upon the 9 a.m. and 9 p.m. readings of the dry-bulb thermometers, without taking into account the maxima and minima.

The monthly Vapour Tension and Relative Humidity is in most cases the average of the daily values. For some stations, however, the monthly averages of the dry-bulb and wet-bulb temperatures have been used for obtaining these values, and in these cases the percentages of the humidity have been given in whole numbers instead of to the first place of decimals.

In previous years the decision of the Vienna Congress that the days of precipitation, irrespective of amount, should be counted as the number of days of rain, has been literally observed; but since the common practice of British meteorologists has been to take .01 inch as the minimum for a rainy day, and as, moreover, many observers do not record closer than to hundredths of an inch, it has been deemed desirable to adopt this lower limit that the results as here given may be directly comparable with each other and with similar British publications. In this volume, therefore, a day of rain must be understood as one on which .01 inch at least of rain was measured. As before, no regard is had to the form of the precipitation, snow, hail, &c., being all included in the days of rain.

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

The days of clear sky are those days when the mean of the cloud amounts at 9 a.m. and 9 p.m. 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 at any time during the day.

In preparing the Summary of Wind-direction, the observations under intermediate points NNE., ENE., &c. have been alternately thrown forward and backward.

An asterisk prefixed to any station indicates that the returns have been furnished by the Meteorological Society.

On pages 190-191 is given, in Part III., the Annual Summary, showing at one opening the mean values and totals for the year of the various elements at all the stations, as well as the extreme temperatures and the maximum rainfall.

Stations.	Observers.
Sandwich, Orkney -	Rev. C. Clouston, LL.D.
Laudale, Argyleshire -	A. Fletcher, for J. H. G. Newton, Esq.
Glenalmond, Perthshire -	Rev. W. Percy Robinson, D.D., F.M.S.
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., F.M.S.
*Kelstern, Lincolnshire -	D. G. Briggs, F.M.S.
*Llandudno -	J. Nicol, M.D., F.M.S.
*Buxton, Derbyshire -	E. J. Sykes, F.R.A.S., F.M.S.
*Cheadle, Stafford -	J. C. Philips, Esq.
*Hillington, Norfolk -	Rev. H. Ffolkes, M.A., F.M.S.
Leicester -	W. J. Harrison, F.G.S.
Uppingham, Rutlandshire -	Rev. G. H. Mullins, M.A., F.M.S.
Oscott, Warwickshire -	Rev. S. J. Whitty, B.A.
*Churchstoke, Montgomery -	P. Wright, F.C.S., F.M.S.
*Audley End (Saffron Walden) -	Mr. J. Bryan.
*Cheltenham -	R. Tyrer, B.A., F.M.S.
St. David's (Pembrokeshire) -	W. P. Probert, M.A., LL.D., F.G.S., F.M.S.
*Carmarthen -	G. J. Hearder, M.D.
Chigwell Row, Essex -	J. Campbell, Staff Surgeon, R.N.
*Marlborough -	Rev. T. A. Preston, M.A., F.M.S.
*Strathfield Turgiss, Hants -	Rev. C. H. Griffith, B.D., F.M.S.
*Ramsgate -	Rev. A. E. O'Gara, O.S.B., F.M.S., and Rev. E. T. Egan, O.S.B.
Folkestone -	A. Henry Taylor, Esq.
Southampton (Ordnance Survey Office) -	J. Cook, for Director General of Survey.
Hastings -	Alex. E. Murray, F.M.S.
*Dartmoor -	R. E. Power, L.R.C.P., F.M.S., and W. H. Tooker.
*Babbacombe (Torquay) -	E. E. Glyde, F.M.S.
St. Aubin's, Jersey -	J. E. Vibert, M.A.
Londonderry -	J. Conroy, F.M.S.
Colebrooke (Brookeborough) -	W. Ferguson, for Sir Victor Brooke, Bart., F.L.S.
Markree Castle, Sligo -	E. Salles, for Colonel Cooper, F.R.A.S.
Dublin -	J. W. Moore, M.D., F.M.S.
Birr Castle, Parsonstown -	W. Harding, for Earl of Rosse, F.R.S.



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## SANDWICK

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

1879.		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.																
29.894	January	30.001	34.1	34.8	34.5	31.0	38.7	15.4	3rd	43.5	15th	in.	in.	in.	%	%	%	
397	February	29.503	35.1	35.0	35.1	31.7	39.5	24.3	19th	47.7	27th	183	182	183	92	91	92	
757	March	863	36.7	35.4	36.1	32.5	40.8	21.6	15th	50.0	8th	189	186	188	92	91	92	
687	April	792	41.3	38.1	39.7	35.6	44.7	29.4	16th	52.8	5th	189	182	186	87	88	88	
841	May	945	45.6	42.9	44.3	39.5	49.5	30.7	9th	55.2	24th	209	205	207	81	89	85	
606	June	709	50.8	49.3	50.1	45.6	56.1	41.2	6th	65.5	21st	255	242	249	83	87	85	
582	July	684	53.1	51.9	52.5	48.9	57.2	45.8	11th	63.2	29th	311	301	306	84	86	85	
577	August	679	54.9	52.3	53.6	50.1	58.4	42.7	1st	65.8	12th	331	336	334	81	87	84	
598	September	701	52.0	50.4	51.2	47.4	55.8	41.6	27th	66.1	3rd	375	354	365	87	90	89	
29.859	October	29.963	46.9	45.4	46.2	43.3	50.6	34.8	16th	54.9	5th	315	318	317	81	88	85	
30.060	November	30.165	42.3	42.2	42.3	39.2	45.9	28.8	30th	53.0	9th	278	262	270	88	87	88	
29.871	December	29.976	38.9	39.7	39.3	35.1	44.2	21.0	4th	52.0	23rd	236	233	235	88	88	88	
29.727	Year	29.832	44.3	43.1	43.7	40.0	48.5	—	—	—	—	257	251	254	86.3	88.3	87.3	

## LAUDALE

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

1879.	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.
January	ins. 29.998	35.1	35.4	35.3	29.5	39.3	22.1	11th	52.8	13th	17.8	17.9	17.9	86.1	85.7	85.9
February	47.5	36.3	36.9	36.6	31.4	41.2	26.8	20th	48.2	8th	18.0	18.5	18.3	82.1	83.5	82.8
March	86.0	38.7	38.5	38.6	32.7	44.5	22.6	13th	54.0	9th	20.3	20.2	20.3	85.1	85.6	85.4
April	72.9	43.5	42.4	43.0	36.2	49.3	31.0	14th	55.1	26th	21.8	21.6	21.7	77.3	79.5	78.4
May	98.9	48.6	46.5	47.6	40.4	54.2	31.4	10th	60.0	31st	26.6	27.4	27.0	77.5	86.1	81.8
June	68.9	55.5	53.3	54.4	48.3	61.3	38.1	3rd	67.8	13th	34.8	35.8	35.3	78.5	87.0	82.8
July	69.5	54.3	53.2	53.8	49.2	60.5	43.0	3rd	65.2	28th	37.3	37.0	37.2	87.5	91.1	89.3
August	69.3	56.8	55.6	56.2	50.8	63.0	42.8	3rd	71.0	12th	—	—	—	—	—	—
September	29.774	53.4	52.5	53.0	47.3	58.9	39.8	27th	66.2	7th	32.9	33.4	33.2	80.0	83.5	81.8
October	—	—	—	—	41.6	54.5	32.4	27th	59.2	5th	—	—	—	—	—	—
November	30.249	42.8	42.8	42.8	37.4	47.8	26.6	26th	56.5	16th	23.0	23.5	23.3	81.7	83.3	82.5
December	30.096	38.7	40.4	39.6	33.4	45.0	18.4	3rd	56.0	22nd	20.9	22.1	21.5	85.1	85.1	85.1
Year	—	—	—	—	39.9	51.6	—	—	—	—	—	—	—	—	—	—

## GLENALMOND

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

1879.	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.
January	ins. 30.081	26.9	29.2	28.1	22.7	34.5	11.0	20th	45.0	1st	13.0	13.8	13.4	87.1	84.6	85.9
February	29.539	30.9	31.6	31.3	26.5	36.3	11.8	26th	48.0	7th	16.0	16.1	16.1	90.5	88.8	89.7
March	92.8	35.9	34.0	35.0	30.2	40.2	18.2	14th	51.0	12th	17.6	16.7	17.2	81.4	83.2	82.3
April	29.769	40.5	37.5	39.0	33.8	45.1	27.5	13th	56.7	26th	20.1	20.0	20.1	79.5	88.3	83.9
May	30.000	46.8	43.2	45.0	36.6	53.2	27.5	2nd	63.0	11th	24.3	23.5	23.9	75.7	83.3	79.5
June	29.716	51.6	50.5	51.1	45.6	58.5	36.4	1st	65.7	14th	33.0	33.6	33.3	86.1	90.9	88.5
July	29.700	54.2	51.8	53.0	48.1	59.3	40.3	3rd	68.5	22nd	34.7	34.1	34.4	82.6	88.4	85.5
August	—	—	—	—	47.9	61.1	39.0	30th	74.0	12th	—	—	—	—	—	—
September	—	—	—	—	42.3	56.6	31.1	27th	62.0	4th	—	—	—	—	—	—
October	30.076	44.8	42.1	43.5	35.6	53.0	28.4	26th	65.6	7th	25.9	24.7	25.3	85.2	90.3	87.8
November	24.9	39.3	39.2	39.3	34.9	44.8	23.0	14th	57.6	18th	19.9	19.3	19.6	78.4	78.7	78.6
December	30.158	32.9	34.1	33.5	28.1	39.4	10.0	4th	50.0	28th	17.0	17.7	17.4	86.4	85.8	86.1
Year	—	—	—	—	36.0	48.5	—	—	—	—	—	—	—	—	—	—

\* The values for this month were received since the note on page 95 was printed.

## MONTHLY SUMMARIES.—SANDWICK—LAUDALE—GLENALMOND.

## SANDWICK.

Thermometers, 4 feet 10 inches above ground. Rain-gauge, 2 feet above ground.

1879.		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.	{ 3rd 12th 16th 26th	18	3	2	0	4	15	12	2	0	4	17	13	6	3	7	10
February	-	5.5	6.8	6.2	1.250	.210	{ 16th 26th 3rd	21	5	0	0	5	11	3	5	3	6	13	7	7	2	2	11
March	-	7.4	6.7	7.1	3.230	.400	3rd	18	8	2	0	3	14	10	4	3	8	17	10	6	8	3	3
April	-	6.9	6.2	6.6	1.700	.610	7th	15	2	2	0	4	11	4	5	12	10	11	4	5	1	2	10
May	-	6.0	5.2	5.6	2.500	.600	26th	20	4	2	0	6	7	2	10	3	3	10	7	9	10	7	3
June	-	7.7	6.3	7.0	1.380	.700	3rd	8	0	0	0	3	14	2	5	3	13	19	4	1	3	5	7
July	-	8.4	8.0	8.2	3.170	.720	1st	19	0	0	0	2	22	1	6	7	8	9	8	3	9	6	6
August	-	6.9	7.7	7.3	3.390	.650	5th	22	0	0	1	2	15	2	4	4	8	16	2	8	8	6	6
September	-	6.2	6.9	6.6	3.290	.720	27th	23	0	1	0	2	10	5	0	0	0	7	14	15	18	3	3
October	-	7.7	6.5	7.1	3.400	.570	18th	23	1	0	0	3	12	6	7	3	0	1	2	10	22	8	9
November	-	7.7	7.8	7.8	3.620	.520	16th	27	4	2	0	1	15	5	11	6	2	3	6	6	11	10	5
December	-	5.3	5.7	5.5	3.190	.490	3rd	23	8	0	0	4	7	8	3	2	1	1	14	16	13	5	7
Year	-	6.9	6.7	6.8	32.480	—	—	237	35	11	1	39	153	60	62	46	63	124	91	92	108	64	80

## LAUDALE.

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

				ins.	ins.																			
January	-	-	5.4	4.4	4.9	1.710	530	17th	8	9	0	0	9	6	6	7	7	11	19	8	5	0	1	4
February	-	-	6.1	4.9	5.5	3.780	1.290	5th	12	15	0	0	6	9	2	2	5	20	4	5	7	1	0	12
March	-	-	6.5	7.0	6.8	7.510	1.020	3rd	19	14	2	1	2	11	7	1	4	22	1	8	12	5	1	8
April	-	-	5.1	5.3	5.2	2.250	.740	6th	9	4	3	0	5	6	0	4	4	28	4	4	2	4	2	8
May	-	-	6.6	6.4	6.5	3.400	.780	16th	14	0	3	0	4	14	1	1	0	8	4	0	5	14	7	23
June	-	-	7.6	8.4	8.0	4.500	.870	19th	17	0	0	1	0	15	2	4	0	5	8	6	7	4	4	22
July	-	-	8.5	8.4	8.5	8.670	1.860	2nd	18	0	0	0	0	22	3	0	3	1	7	7	8	8	7	21
August	-	-	8.1	7.8	8.0	4.300	.780	28th	20	0	0	2	1	17	2	1	0	3	11	9	10	10	9	9
September	-	-	7.8	7.6	7.7	12.920	2.180	1st	28	0	0	0	0	16	5	0	0	2	3	12	21	14	2	6
October	-	-	—	—	—	4.210	1.040	19th	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	-	-	6.2	6.7	6.5	3.460	.710	7th	13	3	3	0	3	13	5	7	0	9	4	1	7	7	7	18
December	-	-	6.0	6.5	6.3	6.740	1.640	27th	18	6	1	0	5	12	6	0	2	13	3	15	12	10	1	6
Year	-	-	—	—	—	63.450	—	—	195	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## GLENALMOND.

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

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NOTE.—In addition to the above summary there were 10 observations of wind when the direction was doubtful, entered in Form A. as " ? "



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## SEAHAM

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

1879.	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°062	33°5	33°2	33°4	29°1	37°2	18°8	27th	47°7	1st	in. 164	in. 167	in. 166	% 85	% 88	% 87	
February	29°520	36°4	36°0	36°2	32°0	39°6	23°8	22nd	50°0	27th	200	195	198	93	92	93	
March	940	40°6	38°0	39°3	34°1	46°2	19°8	14th	58°5	29th	211	203	207	84	89	87	
April	733	42°3	39°7	41°0	35°2	46°1	26°6	13th	58°4	1st	228	228	228	85	93	89	
May	992	47°7	43°8	45°8	39°2	52°8	31°8	10th	66°1	30th	267	259	263	81	91	86	
June	725	56°0	51°6	53°8	47°2	61°4	39°7	2nd	71°7	20th	360	343	352	80	90	85	
July	698	56°5	53°4	55°0	50°0	61°4	42°8	16th	74°6	29th	371	361	366	81	89	85	
August	736	58°2	53°9	56°1	50°2	63°6	42°8	30th	71°0	23rd	393	361	377	81	87	84	
September	29°874	54°7	51°5	53°1	46°3	60°1	36°3	29th	68°0	3rd	341	336	339	79	89	84	
October	30°074	48°9	46°5	47°7	41°1	54°2	30°6	26th	65°7	6th & 9th	299	279	289	86	88	87	
November	202	41°3	39°7	40°5	35°9	45°1	25°0	30th	55°7	18th	225	210	218	87	86	87	
December	30°205	35°2	34°5	34°9	29°0	39°8	11°8	{ 3rd 4th }	50°3	29th	184	178	181	89	88	89	
Year	29°897	45°9	43°5	44°7	39°1	50°6	—	—	—	—	270	260	265	84°3	89°2	86°8	

## DURHAM

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

1879.	Mean Pressure.	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.						
					Min.	Max.	Min.	Day.	Max.	Day.						
January	ins. 30.069	31.0	29.0	30.0	25.3	35.4	7.6	27th	46.8	1st	159	142	151	90.3	86.9	88.6
February	29.518	34.7	33.5	34.1	29.9	38.8	17.4	22nd	46.2	27th	188	176	182	92.9	90.0	91.5
March	944	40.7	36.1	38.4	32.6	45.1	15.5	14th	56.8	19th	211	186	199	81.5	86.7	84.1
April	729	42.6	37.7	40.2	34.2	47.9	27.4	13th	57.2	26th	221	209	215	81.1	91.4	86.3
May	983	49.3	42.2	45.8	37.7	55.1	28.9	3rd	70.1	5th	267	245	256	75.7	89.4	82.6
June	720	57.3	49.9	53.6	46.2	63.3	38.4	2nd	72.4	19th	362	330	346	77.2	90.9	84.1
July	700	57.4	52.7	55.1	49.7	63.0	45.4	24th	75.3	30th	390	365	378	82.9	91.1	87.0
August	727	60.0	53.0	56.5	49.7	65.2	42.6	10th	76.2	12th	406	372	389	78.6	91.5	85.1
September	29.873	55.8	50.1	53.0	45.2	61.3	31.3	30th	70.3	7th	345	330	338	77.6	90.3	84.0
October	30.077	49.6	43.7	46.7	38.4	55.6	28.0	26th	68.1	9th	312	269	291	86.9	93.2	90.1
November	209	41.6	37.7	39.7	33.5	45.0	24.8	30th	58.1	18th	230	207	219	85.7	89.1	87.4
December	30.219	33.5	31.9	32.7	25.8	39.7	4.4	4th	53.4	28th	175	169	172	89.1	88.7	88.9
Year	29.897	46.1	41.5	43.8	37.4	51.3	—	—	—	—	272	250	261	83.3	89.9	86.6

## DOUGLAS, ISLE OF MAN

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

1879.	Mean Pressure.	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.						
					Min.	Max.	Min.	Day.	Max.	Day.						
January	ins. 30.030	34.6	33.3	34.0	29.5	37.6	18.0	12th	47.0	1st	178	167	173	87.6	85.9	86.8
February	29.491	38.0	36.7	37.4	32.9	41.5	27.4	22nd	48.9	6th	206	201	204	88.7	91.0	89.9
March	932	40.4	39.1	39.8	34.5	45.2	28.8	13th	53.9	12th	221	213	217	86.6	88.1	87.4
April	29.702	43.0	40.8	41.9	36.6	46.9	30.7	13th	52.0	28th	231	221	226	82.9	86.4	84.7
May	30.016	49.0	45.1	47.1	40.2	53.5	29.0	8th	60.6	29th	276	262	269	79.0	86.5	82.8
June	29.706	54.3	51.1	52.7	47.7	58.0	40.3	11th	64.7	16th	335	349	352	84.2	92.3	88.3
July	727	55.1	53.0	54.1	51.0	58.8	48.2	3rd	64.4	17th	383	380	382	87.8	94.2	91.0
August	736	57.0	54.2	55.6	50.3	61.1	41.1	15th	67.0	11th	401	389	395	86.2	91.8	89.0
September	29.875	54.6	50.8	52.7	45.7	57.9	35.1	24th	61.8	18th	362	353	358	84.6	94.0	89.3
October	30.108	49.5	47.2	48.4	42.8	53.5	30.3	26th	60.0	23rd	333	302	313	90.4	91.5	91.0
November	258	44.0	42.3	43.2	38.7	47.8	27.6	14th	57.0	18th	251	242	247	84.9	86.8	85.9
December	30.220	38.8	38.7	38.8	32.8	44.8	19.0	5th	53.6	31st	219	220	220	90.6	90.7	90.7
Year	29.900	46.5	44.4	45.5	40.2	50.6	—	—	—	—	284	275	280	86.1	89.9	88.0

## MONTHLY SUMMARIES.—SEAHAM—DURHAM—DOUGLAS, ISLE OF MAN.

## SEAHAM.

Thermometers, 4 feet above ground. Rain-gauge, 1 foot 9 inches above ground.

1879.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January -	7.6	6.1	6.9	ins.	ins.	11th	13	12	5	0	3	16	1	1	0	13	12	6	8	10	7	5	
February -	9.3	7.8	8.6	3.100	.340	15th	27	15	1	0	0	18	1	8	3	7	12	9	7	2	3	5	
March -	6.0	5.4	5.7	0.778	.160	15th	16	11	2	0	6	11	1	3	2	14	2	6	16	7	6	6	
April -	7.7	7.8	7.8	2.070	.358	7th	18	6	0	0	1	17	0	11	10	10	5	5	3	3	1	12	
May -	6.6	6.6	6.6	1.686	.385	22nd	14	3	4	1	3	13	3	17	7	2	1	3	7	5	3	17	
June -	7.7	7.0	7.4	4.128	.960	7th	20	0	2	5	0	11	0	3	1	2	2	7	14	4	3	24	
July -	8.7	7.7	8.2	3.740	.903	21st	21	0	0	2	0	20	2	11	2	1	2	3	13	8	4	18	
August -	6.4	4.8	5.6	2.716	.750	16th	20	0	0	4	0	7	0	2	2	1	4	8	12	10	3	20	
September	5.5	6.1	5.8	1.040	.203	11th	13	0	0	1	2	8	0	0	1	0	3	11	18	6	3	18	
October -	5.3	3.7	4.5	0.834	.320	14th	13	0	1	0	8	5	0	1	3	2	1	4	9	13	8	21	
November	6.7	5.2	6.0	3.442	.850	1st	19	6	7	1	4	10	3	5	9	1	0	4	6	20	12	3	
December	5.4	3.3	4.4	0.694	.144	5th	9	3	2	0	5	2	0	0	1	0	2	12	29	11	4	3	
Year -	6.9	6.0	6.5	25.568	—	—	203	56	24	14	32	138	3	62	41	53	46	78	142	99	57	152	

## DURHAM.

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

	10 a.m.	10 p.m.	Mean.	ins.	ins.	11th																		
January -	7.5	6.1	6.8	0.848	.168	11th	13	14	1	0	5	15	0	3	1	7	15	9	5	6	11	5		
February -	9.5	7.5	8.5	2.345	.270	23rd	22	13	1	0	0	20	0	5	5	10	7	10	5	2	10	2		
March -	6.0	6.9	6.5	0.813	.170	15th	14	10	4	0	6	15	1	3	10	10	1	12	15	6	4	1		
April -	8.6	7.5	8.1	1.877	.288	23rd	20	6	3	2	0	18	0	9	20	9	1	7	4	4	3	3		
May -	7.1	6.6	6.9	2.225	.509	21st	17	3	1	0	4	15	0	7	12	4	3	8	8	9	10	1		
June -	8.2	6.2	7.2	3.571	.929	7th	20	0	0	6	1	13	0	2	4	9	6	12	15	6	3	3		
July -	8.7	7.9	8.3	3.980	.935	21st	20	0	0	3	0	21	0	8	6	5	2	12	13	6	8	2		
August -	7.5	5.4	6.5	3.512	.690	6th	18	0	0	4	1	9	0	1	8	2	5	13	17	10	3	3		
September	6.0	6.2	6.1	1.244	.428	8th	11	0	0	1	2	9	0	3	2	1	5	20	15	7	5	2		
October -	5.3	4.6	5.0	0.682	.308	14th	10	0	0	0	9	10	0	3	4	2	0	9	12	14	11	7		
November	6.6	5.8	6.2	1.924	.340	9th	16	5	3	0	4	10	0	8	8	3	0	4	7	9	20	1		
December	6.8	3.8	5.3	0.603	.110	5th	8	4	1	0	6	10	0	1	1	0	2	23	16	5	7	7		
Year -	7.3	6.2	6.8	23.624	—	—	189	55	14	16	38	165	1	53	81	62	47	139	132	84	95	37		



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## HULL

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

1879.	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. 30.081	32.3	32.2	32.3	29.4	37.4	20.0	4th	59.0	1st	.168	.167	.168	91	91	91
February	29.540	36.3	36.0	36.2	32.8	42.1	27.5	22nd	54.1	9th	.203	.199	.201	95	94	95
March	.985	39.3	38.7	39.0	34.7	47.4	25.4	14th	58.3	10th	.215	.206	.211	90	88	89
April	29.739	42.7	40.3	41.5	35.8	50.7	29.0	13th	61.0	3rd	.230	.225	.228	84	91	88
May	30.012	48.5	45.6	47.1	39.0	56.4	29.5	5th	66.2	21st	.270	.269	.270	80	88	84
June	29.769	57.4	54.2	55.8	49.4	63.7	41.0	5th	72.5	19th	.376	.364	.370	80	86	83
July	.743	58.3	55.6	57.0	51.7	65.1	46.0	12th	77.8	28th	.395	.389	.392	80	87	84
August	.784	60.0	56.5	58.3	52.2	66.5	45.0	9th	73.5	11th	.420	.401	.411	81	88	85
September	29.936	55.0	53.0	54.0	47.9	61.3	34.5	30th	71.5	7th	.354	.352	.353	82	87	85
October	30.114	48.4	46.5	47.5	41.9	55.8	32.5	26th	68.7	11th	.300	.288	.294	89	91	90
November	.212	39.6	38.9	39.3	34.9	45.2	26.0	22nd	55.5	18th	.217	.212	.215	89	90	90
December	30.274	31.7	32.7	32.2	27.0	37.8	10.0	7th	53.2	28th	.167	.175	.171	93	94	94
Year	29.932	45.8	44.2	45.0	39.7	52.5	—	—	—	—	.276	.271	.274	86.2	89.6	87.9

## WAKEFIELD

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

1879.	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. 30.071	30.8	31.5	31.2	26.5	35.8	13.7	4th	49.7	1st	.153	.160	.157	87.8	89.8	88.8
February	29.533	36.2	36.1	36.2	32.7	40.2	24.7	25th	53.1	9th	.199	.197	.198	92.1	91.1	91.6
March	.971	39.5	39.0	39.3	34.4	46.2	24.6	13th	56.3	8th	.218	.213	.216	88.9	88.8	88.9
April	29.723	42.1	41.1	41.6	35.6	48.9	29.0	13th	57.3	26th	.231	.230	.231	85.5	88.1	86.8
May	30.008	48.4	47.3	47.9	39.5	55.6	27.0	3rd	64.8	21st	.271	.277	.274	79.8	83.4	81.6
June	29.746	55.9	54.7	55.3	48.9	62.6	38.1	5th	69.0	19th	.362	.368	.365	80.7	85.5	83.1
July	.744	57.5	56.0	56.8	51.7	62.9	41.4	12th	75.4	28th	.402	.397	.400	85.0	88.2	86.6
August	.764	58.7	56.9	57.8	52.1	65.5	44.1	9th	73.3	12th	.404	.388	.396	82.2	83.3	82.8
September	29.921	54.8	53.2	54.0	47.2	61.4	30.4	30th	69.8	3rd	.346	.347	.347	80.5	85.1	82.8
October	30.117	47.3	46.4	46.9	41.2	54.5	30.0	26th	65.8	5th	.299	.293	.296	90.5	92.2	91.4
November	.231	40.0	39.3	39.7	34.2	45.7	21.7	15th	58.3	9th	.224	.220	.222	88.5	88.5	88.5
December	30.264	31.3	33.6	32.5	25.0	40.3	0.0	7th	56.0	28th	.174	.191	.183	90.9	94.1	92.5
Year	29.924	45.2	44.6	44.9	39.1	51.6	—	—	—	—	.274	.273	.274	86.0	88.2	87.1

## KELSTERN

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

1879.	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. 30.075	30.4	29.6	30.0	27.2	34.1	18.9	4th	47.5	1st	.141	.142	.142	81.6	85.3	83.5
February	29.541	34.6	33.2	33.9	30.1	38.5	18.1	24th	52.4	9th	.188	.185	.187	92.1	95.4	93.8
March	.985	38.0	36.5	37.3	32.9	44.9	25.6	13th	58.8	9th	.204	.190	.197	87.1	86.6	86.9
April	29.731	41.0	38.4	39.7	34.8	47.1	28.5	13th	58.1	26th	.224	.214	.219	86.5	90.9	88.7
May	30.014	47.3	43.3	45.3	38.1	54.0	28.7	10th	66.5	21st	.269	.260	.265	81.2	90.8	86.0
June	29.778	55.2	52.0	53.6	46.6	61.7	36.9	5th	68.6	20th	.356	.342	.349	81.9	88.1	85.0
July	.751	56.8	53.3	55.1	49.4	63.7	42.9	12th	75.9	30th	.390	.370	.380	84.0	90.4	87.2
August	.798	58.5	54.3	56.4	49.7	65.0	41.7	2nd	71.5	11th	.413	.388	.401	84.2	91.0	87.6
September	29.946	54.4	51.2	52.8	46.1	61.2	37.4	27th	69.4	7th	.364	.349	.357	85.9	91.9	88.9
October	30.123	47.4	44.4	45.9	40.5	53.6	31.9	22nd	61.7	4th	.309	.279	.294	93.3	94.8	94.1
November	.215	37.2	36.6	36.9	32.8	43.3	24.5	22nd	55.5	7th	.208	.208	.208	92.1	93.8	93.0
December	30.291	29.5	31.2	30.4	25.3	36.4	8.2	7th	52.9	28th	.158	.168	.163	92.5	92.5	92.5
Year	29.937	44.2	42.0	43.1	37.8	50.3	—	—	—	—	.269	.258	.264	86.9	91.0	88.9

## MONTHLY SUMMARIES.—HULL—WAKEFIELD—KELSTERN.

## HULL.

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

1879.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January	-	7.9	7.1	7.5	ins. 1.050	ins. .380	14th	18	12	0	0	2	17	0	5	10	14	9	4	3	9	6	2	
February	-	9.3	8.3	8.8	3.207	.490	8th	25	11	0	0	0	22	0	5	7	9	10	2	12	3	3	5	
March	-	6.8	5.9	6.4	1.200	.430	17th	17	4	0	0	5	14	0	4	6	10	5	1	16	11	4	5	
April	-	8.1	7.7	7.9	1.140	.180	8th	18	0	0	1	0	15	0	6	10	11	5	5	7	3	1	12	
May	-	7.5	6.0	6.8	3.490	.950	14th	19	1	2	0	3	12	0	3	19	3	5	2	6	13	4	7	
June	-	7.8	6.1	7.0	3.500	1.000	7th	26	0	0	2	0	11	0	0	2	9	3	1	18	14	3	10	
July	-	8.3	7.2	7.8	3.360	.600	21st	18	0	0	1	0	16	0	7	5	3	4	6	9	16	10	2	
August	-	7.1	5.5	6.3	2.540	.450	27th	16	0	0	1	4	10	0	1	0	3	2	15	16	18	4	3	
September	-	6.1	5.2	5.7	2.310	.570	13th	14	0	0	0	9	12	0	1	0	2	2	2	13	19	11	10	
October	-	6.3	4.2	5.3	0.780	.200	14th	12	0	0	0	6	8	0	5	7	3	0	0	7	13	4	23	
November	-	6.9	5.7	6.3	1.660	.400	20th	16	4	2	0	5	13	0	16	7	6	0	1	4	5	7	14	
December	-	6.8	6.7	6.8	0.960	.230	27th	11	5	1	0	2	13	0	0	8	3	2	3	14	24	3	5	
Year	-	7.4	6.3	6.9	25.197	—	—	210	37	5	5	36	163	0	53	81	76	47	42	125	148	60	98	

## WAKEFIELD.

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

				ins.		ins.																	
				1.300		.380																	
January	-	7.2	7.4	7.3	1.300	.380	14th	9	3	0	0	1	15	0	8	11	15	4	4	1	10	6	3
February	-	9.2	8.5	8.9	2.500	.500	8th	21	7	0	0	0	20	1	8	6	10	7	4	6	8	6	1
March	-	7.5	6.6	7.1	1.090	.270	17th	12	6	0	1	2	13	3	7	8	9	4	5	8	19	2	0
April	-	8.5	6.5	7.5	2.780	.650	23rd	19	2	0	1	0	11	0	10	16	13	4	6	2	3	6	0
May	-	7.5	6.6	7.1	2.000	.420	29th	16	0	0	0	3	14	0	9	9	6	7	3	5	14	9	0
June	-	7.9	6.1	7.0	3.790	.950	7th	22	0	0	4	0	10	0	1	7	7	6	9	14	12	4	0
July	-	8.6	7.3	8.0	3.170	.460	21st	16	0	0	1	0	14	1	3	2	7	5	7	10	22	6	0
August	-	7.1	5.1	6.1	3.190	.590	30th	16	0	0	5	1	9	1	2	4	6	10	5	12	22	1	0
September	-	6.7	5.5	6.1	1.310	.270	8th	15	0	0	0	4	11	0	2	1	5	6	9	15	16	5	1
October	-	7.5	6.6	7.1	1.020	.210	14th	12	0	0	0	1	11	0	5	3	4	3	3	11	18	14	1
November	-	6.6	6.3	6.5	1.330	.330	20th	12	3	1	0	3	10	0	14	7	3	1	1	6	16	12	0
December	-	8.2	7.5	7.9	1.560	.370	31st	10	4	0	0	1	18	1	10	3	1	4	12	10	13	8	1
Year	-	7.7	6.7	7.2	25.040	—	—	180	25	1	12	16	156	7	79	77	86	61	68	100	173	79	7



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## LLANDUDNO

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

1879.	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.																
29.924	January -	30°038	33°7	33°3	33°5	30°2	37°7	19.1	11th	50°0	14th	in.	in.	in.	%	%	%
3.93	February -	29°503	39°2	38°5	38°9	35°2	43°1	28°2	1st	50°8	10th	°205	°203	°204	84°3	87°2	85°8
838	March -	°950	42°7	41°0	41°9	37°4	46°3	28°0	26th	54°8	8th	°220	°213	°217	79°5	81°7	80°6
582	April -	29°692	44°5	42°4	43°5	37°8	48°0	30°0	13th	55°7	{19th 25th}	°241	°232	°237	81°9	85°3	83°6
920	May -	30°030	49°6	47°5	48°6	43°1	53°8	32°6	2nd	59°8	3rd	°279	°272	°276	78°3	82°5	80°4
621	June -	29°729	56°5	53°9	55°2	50°8	61°0	41°8	5th	67°8	19th	°371	°362	°367	80°9	86°4	83°7
648	July -	°756	57°0	55°7	56°4	53°1	61°3	50°0	{2nd 11th}	74°4	29th	°406	°404	°405	87°2	90°5	88°9
659	August -	°766	58°7	57°3	58°0	53°0	63°7	47°3	10th	75°2	12th	°400	°402	°401	81°2	85°4	83°3
29.803	September -	29°912	56°1	54°3	55°2	50°4	60°1	42°0	30th	67°0	6th	°373	°362	°368	82°7	85°7	84°2
30.020	October -	30°131	50°1	49°7	49°9	46°1	54°2	39°8	29th	61°3	6th	°318	°308	°313	87°2	85°6	86°4
155	November -	°267	44°3	43°5	43°9	40°2	47°3	32°0	14th	54°2	19th	°238	°235	°237	80°5	81°3	80°9
30.136	December -	30°249	38°7	39°1	38°9	34°1	44°2	23°0	{4th 5th}	56°0	28th	°200	°201	°201	82°3	81°6	82°0
29.808	Year -	29°919	47°6	46°4	47°0	42°6	51°7	—	—	—	—	°284	°279	°282	82°3	84°7	83°5

## BUXTON

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

At 32° F.		Long. 1 54 W. Lat. 55 14 N. Height above Mean Sea Level, 587 feet.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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## CHEADLE, STAFFORD

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

At 32° F.	Long. 1° 37' W. Lat. 52° 35' N. Height above Mean Sea Level, 640 feet.																							
29.330	January	-	ins.	28°6	29°0	28°8	25°6	33°4	17°3	11th	48°1	1st	in.	133	in.	142	in.	138	%	85	%	89	%	87
28.815	February	-	30°067	34°3	34°2	34°3	31°0	39°0	21°9	24th	53°0	9th	187	186	187	94	94	94						
29.262	March	-	°983	37°6	37°2	37°4	32°6	45°3	24°9	13th	56°6	19th	201	194	198	89	88	89						
005	April	-	29°715	40°0	39°2	39°6	34°1	47°6	24°9	13th	55°9	7th	214	204	209	87	85	86						
312	May	-	30°020	46°0	45°0	45°5	39°2	53°2	28°0	10th	61°2	21st	245	250	248	79	84	82						
065	June	-	29°757	53°4	52°0	52°7	47°0	60°1	39°1	4th	65°3	14th	345	343	344	84	88	86						
069	July	-	°759	54°5	53°9	54°2	49°8	61°3	45°0	11th	72°2	28th	378	373	376	89	90	90						
122	August	-	°813	55°6	54°6	55°1	49°9	63°1	41°9	10th	74°1	12th	389	374	382	88	88	88						
231	September	-	29°928	52°0	51°5	51°8	46°2	59°6	37°7	25th	67°6	3rd	338	349	344	87	92	90						
432	October	-	30°142	46°2	45°8	46°0	41°2	52°7	31°0	16th	62°0	5th	294	287	291	94	93	94						
521	November	-	°247	37°4	37°5	37°5	33°4	43°2	22°1	30th	52°2	6th	204	204	204	91	91	91						
29.563	December	-	30°298	31°7	33°1	32°4	28°2	38°1	17°6	5th	52°8	28th	161	174	168	90	93	92						
29.227	Year	-	29°938	43°1	42°8	42°9	38°2	49°7	—	—	—	—	257	257	257	88.1	89.6	88.9						

## MONTHLY SUMMARIES.—LLANDUDNO—BUXTON—CHEADLE.

## LLANDUDNO.

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

1879.		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	-	6.7	5.4	6.1	ins. 0.815	ins. .260	17th	9	4	1	0	4	13	1	0	5	21	15	8	1	7	5	0	
February	-	7.8	7.4	7.6	3.192	.780	15th	16	7	1	0	0	12	2	2	7	6	11	5	5	16	4	0	
March	-	6.7	6.1	6.4	1.469	.320	16th	12	5	0	0	3	14	4	3	4	18	2	4	6	22	3	0	
April	-	7.5	5.6	6.6	1.490	.440	20th	14	2	1	0	4	11	0	9	4	21	3	5	7	6	5	0	
May	-	5.8	6.1	6.0	1.880	.268	31st	12	1	1	0	8	12	0	15	1	17	0	3	1	14	10	1	
June	-	8.0	7.4	7.7	3.256	.795	7th	18	0	0	3	1	16	0	7	0	9	1	8	6	20	9	0	
July	-	8.3	8.0	8.2	3.330	.636	1st	19	0	0	1	0	18	1	5	0	7	1	8	4	28	9	0	
August	-	6.6	5.3	6.0	6.845	1.910	16th	15	0	0	3	5	12	3	11	0	3	2	9	5	30	2	0	
September	-	6.8	6.3	6.6	3.000	.724	26th	17	0	2	2	3	12	0	10	3	1	4	7	8	24	3	0	
October	-	7.1	6.6	6.9	1.630	.328	24th	11	0	1	1	6	17	2	4	2	11	6	5	3	22	9	0	
November	-	7.1	7.1	7.1	0.980	.260	23rd	11	3	2	0	4	16	6	11	7	16	2	2	2	15	5	0	
December	-	5.8	6.1	6.0	1.475	.345	31st	11	4	1	0	5	10	4	1	2	3	8	4	12	30	2	0	
Year	-	7.0	6.5	6.8	29.362	—	—	165	26	10	10	43	163	23	78	35	133	55	68	60	234	66	1	

## BUXTON.

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

Thermometers 4 feet above ground.																					
				ins.		ins.															
				2°430		°790		14th		8		5		0		0		2		14	
January	-	7°6	6°8	7°2	2°430	°790	7th	21	11	2	0	0	19	0	5	6	9	8	0	7	6
February	-	9°6	8°1	8°9	4°730	°670	7th	21	11	2	0	0	19	0	5	6	9	8	0	7	6
March	-	8°2	6°5	7°4	2°735	°680	16th	15	9	0	1	3	15	0	2	1	15	7	0	10	9
April	-	8°1	6°0	7°1	3°160	°410	20th	19	5	0	0	0	9	0	2	4	16	12	3	8	4
May	-	7°6	6°6	7°1	3°460	°640	31st	20	3	1	1	0	12	0	4	5	11	5	1	10	11
June	-	8°5	7°9	8°2	6°615	1°050	7th	25	0	1	5	0	18	0	3	1	4	11	1	17	16
July	-	9°2	8°2	8°7	6°483	1°280	20th	22	0	1	1	0	21	0	3	2	8	5	0	9	9
August	-	7°5	6°7	7°1	8°220	1°150	16th	22	0	3	5	1	14	0	4	3	4	6	1	8	19
September	-	7°0	6°1	6°6	4°475	°770	8th	14	0	0	1	3	9	0	3	7	1	1	3	14	13
October	-	8°1	6°3	7°2	2°804	°550	3rd	13	0	0	1	1	13	0	5	6	11	6	0	3	5
November	-	7°5	5°2	6°4	1°950	°520	11th	13	12	2	0	3	12	0	2	9	17	9	1	7	7
December	-	6°9	7°9	7°4	3°940	1°820	31st	10	4	0	0	0	13	0	1	3	7	5	1	13	26
Year	-	8°0	6°9	7°4	51°002	—	—	202	49	10	15	13	169	0	36	54	120	91	13	109	126



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## HILLINGTON, NORFOLK

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

1879.	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.																		
29.945 January -	30°05'1	31°2	30°3	30°8	26°3	35°2	7°0	11th	49°7	1st	146	145	146	82°4	84°2	83°3			
425 February -	29°58	36°8	35°5	36°2	32°0	40°8	20°5	24th	54°9	9th	203	195	199	90°6	91°5	91°1			
866 March -	970	40°5	38°0	39°3	33°3	47°5	26°5	2nd	64°1	19th	222	202	212	86°4	87°0	86°7			
607 April -	709	43°9	39°3	41°6	35°1	50°6	26°8	12th	61°5	27th	249	221	235	85°7	90°2	88°0			
894 May -	997	50°8	44°9	47°9	38°8	57°2	25°9	4th	70°4	21st	292	272	282	78°0	89°5	83°8			
690 June -	789	58°3	53°3	55°8	47°8	64°3	35°3	5th	70°0	28th	399	378	389	82°3	92°4	87°4			
660 July -	759	59°0	54°7	56°9	50°2	65°8	43°1	25th	80°2	29th	422	407	415	84°1	94°4	89°3			
715 August -	814	61°1	56°2	58°7	51°5	68°8	44°2	10th	76°8	18th	451	427	439	84°0	93°8	88°9			
29.852 September -	29°53	56°6	51°7	54°2	45°6	64°2	35°2	{ 1st 27th }	74°1	6th	406	377	392	88°4	97°3	92°9			
30.012 October -	30°14	49°6	46°3	48°0	41°1	54°7	29°1	22nd	66°4	6th	325	300	313	90°7	94°1	92°4			
088 November -	193	38°5	37°0	37°8	32°3	43°8	20°1	{ 16th 23rd }	55°6	18th	211	202	207	89°2	89°7	89°5			
30.188 December -	30°25	30°4	30°1	30°3	24°0	35°9	5°2	7th	52°6	28th	160	160	160	91°4	90°9	91°2			
29.829 Year -	29°931	46°4	43°1	44°8	38°2	52°4	—	—	—	—	291	274	282	86°1	91°3	88°7			

## LEICESTER

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

		ins.										in.	in.	in.	%	%	%
January -	-	30.058	30.1	30.6	30.4	26.6	34.9	17.0	11th	50.6	1st	139	153	146	82	90	86
February -	-	29.531	36.7	37.1	36.9	33.9	41.5	23.6	24th	54.8	9th	198	201	200	91	91	91
March -	-	.982	39.7	39.8	39.8	34.5	47.3	26.6	8th	61.0	19th	208	208	208	85	85	85
April -	-	29.703	43.6	41.7	42.7	36.0	49.0	28.5	22nd	57.9	26th	220	219	220	78	84	81
May -	-	30.011	48.9	47.8	48.4	40.2	55.7	26.8	10th	67.3	21st	258	267	263	75	81	78
June -	-	29.768	57.2	55.6	56.4	49.1	62.9	39.5	2nd & 5th	68.3	28th	362	365	364	77	82	80
July -	-	.767	58.7	57.1	57.9	51.5	64.2	46.5	11th	75.6	29th	395	396	396	79	84	82
August -	-	.798	60.3	58.2	59.3	51.9	66.1	43.5	8th	75.2	12th	408	410	409	79	84	82
September	-	29.948	55.0	54.3	54.7	47.4	61.4	35.2	30th	69.1	3rd	362	363	363	84	85	85
October -	-	30.124	49.3	47.7	48.5	43.1	54.9	33.0	16th	64.0	6th	306	297	302	88	90	89
November	-	.226	38.7	39.0	38.9	34.0	44.5	23.5	15th	55.2	18th	204	207	206	87	87	87
December	-	30.295	30.5	32.3	31.4	25.8	37.2	3.0	2nd	54.9	29th	152	161	157	90	88	89
Year	-	29.934	45.7	45.1	45.4	39.5	51.6	—	—	—	—	268	271	270	82.9	85.9	84.4

## UPPINGHAM

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

at 32° F																				
497	ins.										in.	in.	in.	%	%	%				
29.505	January -	30.058	29.4	28.6	29.0	25.6	35.0	17.7	11th	48.1	1st	145	145	145	87.7	90.2	89.0			
28.993	February -	29.539	34.9	35.3	35.1	32.2	40.5	19.8	24th	53.0	9th	197	196	197	94.7	93.2	94.0			
29.436	March -	.985	38.5	37.5	38.0	33.5	46.0	26.5	13th	61.2	19th	214	201	208	89.1	87.5	88.3			
165	April -	29.706	42.7	39.4	41.1	34.6	49.2	26.9	12th	57.2	26th	236	217	227	85.4	88.7	87.1			
470	May -	30.009	48.1	44.8	46.5	38.9	55.2	28.1	10th	67.2	5th	280	272	276	82.3	89.1	85.7			
251	June -	29.777	56.1	52.9	54.5	47.7	62.5	38.3	2nd	70.1	5th	384	369	377	85.3	91.3	88.3			
240	July -	.764	57.3	54.1	55.7	50.2	64.1	44.8	11th	74.8	28th	415	395	405	87.9	93.4	90.7			
282	August -	.805	59.3	55.4	57.4	50.8	66.6	43.8	10th	77.2	12th	415	396	406	81.6	89.4	85.5			
4.822	September	29.953	54.3	51.5	52.9	46.5	61.8	36.9	25th	68.3	3rd	354	343	349	83.4	89.1	86.3			
584	October -	30.125	47.5	45.8	46.7	42.1	53.6	31.5	16th	63.6	6th	302	286	294	91.0	92.0	91.5			
668	November	.223	37.1	36.9	37.0	33.3	42.7	23.4	22nd	53.0	18th	204	201	203	89.6	89.0	89.3			
29.739	December -	30.301	31.0	32.1	31.6	27.1	37.0	15.5	2nd	53.5	28th	167	169	168	92.8	89.2	91.0			
	Year -	29.937	44.7	42.9	43.8	38.5	51.2	—	—	—	—	276	266	271	87.6	90.2	88.9			

## MONTHLY SUMMARIES.—HILLINGTON—LEICESTER—UPPINGHAM.

## HILLINGTON, NORFOLK.

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

1879.	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.				
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.				
January -	8.1	8.0	8.1	1.153	.396	14th	10	15	0	0	2	20	0	1	15	11	18	2	6	3	6	0				
February -	8.6	7.9	8.3	2.271	.454	8th	19	14	1	0	0	16	0	2	10	3	12	9	11	2	7	0				
March -	7.7	7.1	7.4	0.739	.110	28th	15	7	1	2	3	18	3	3	7	13	6	2	21	4	5	1				
April -	8.3	8.4	8.4	2.546	.405	8th	17	6	1	1	0	20	0	3	19	6	13	3	9	0	7	0				
May -	7.3	7.1	7.2	3.151	.760	14th	16	1	7	3	1	14	0	6	17	2	10	2	15	2	8	0				
June -	8.0	7.7	7.9	4.345	.640	30th	21	0	0	6	0	15	0	0	2	4	14	4	29	4	3	0				
July -	8.3	7.7	8.0	5.534	1.200	21st	15	0	2	5	1	20	0	2	6	0	4	7	21	6	16	0				
August -	6.9	6.3	6.6	3.410	.772	19th	14	0	1	6	2	10	1	0	2	4	10	6	21	12	7	0				
September -	6.7	5.9	6.3	3.316	.760	28th	16	0	1	2	6	12	0	5	6	8	5	4	19	5	7	1				
October -	7.5	6.8	7.2	1.207	.260	14th	14	0	0	1	2	16	0	8	6	4	7	1	12	11	11	2				
November -	8.2	5.7	7.0	1.814	.285	2nd	19	7	0	0	1	13	0	8	15	4	3	0	8	6	16	0				
December -	8.2	5.9	7.1	0.627	.120	1st	12	6	0	0	2	14	1	1	8	5	7	2	29	3	7	0				
Year -	7.8	7.0	7.4	30.113	—	—	188	56	14	26	20	188	5	39	113	64	109	42	201	58	100	4				



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## OSCOTT

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

1879.	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°055	28°8	28°8	28°8	25°4	34°1	17°5	23rd	49°1	1st	139	141	140	85°5	87°3	86°4
February -	29°531	35°5	35°5	35°5	31°9	40°8	20°9	25th	54°0	9th	197	199	198	92°0	92°9	92°5
March -	984	38°5	38°3	38°4	33°5	47°7	25°6	13th	59°0	19th	207	202	205	86°0	85°2	85°6
April -	29°708	41°5	40°2	40°9	35°0	48°1	26°5	13th	56°9	26th	226	219	223	85°2	86°6	85°9
May -	30°012	47°6	46°2	46°9	40°0	55°1	28°6	10th	67°1	21st	262	271	267	78°8	84°9	81°9
June -	29°764	55°2	53°5	54°4	48°2	62°5	39°1	2nd	67°9	20th	358	356	357	82°3	86°5	84°4
July -	767	57°2	55°1	56°2	50°4	63°6	44°8	11th	75°3	29th	398	386	392	84°5	87°9	86°2
August -	796	58°4	55°8	57°1	51°0	65°8	44°2	30th	75°8	12th	409	394	402	83°5	88°0	85°8
September -	29°948	53°5	52°0	52°8	46°5	61°3	36°6	30th	71°0	3rd	354	350	352	86°4	89°7	88°1
October -	30°136	47°5	46°6	47°1	42°6	54°1	31°1	16th	64°9	5th	304	296	300	91°2	92°2	91°7
November -	245	37°8	37°7	37°8	33°9	43°8	21°0	22nd	53°1	18th	209	210	210	88°8	89°2	89°0
December -	30°302	31°7	32°9	32°3	27°2	38°1	7°1	7th	54°0	28th	175	180	178	94°1	92°7	93°4
Year -	29°937	44°4	43°6	44°0	38°8	51°3	—	—	—	—	270	267	269	86°5	88°6	87°6

## CHURCHSTOKE

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

AT 32° F.

29.446 ✓	January -	ins. 30°074	28°3	29°5	28°9	24°4	33°8	12°8	11th	49°1	1st	132	143	138	81°4	85°6	83°5
28.932 ✓	February -	29°541	36°2	36°4	36°3	31°9	42°0	20°3	25th	52°4	9th	196	201	199	90°1	91°6	90°9
29.386 ✓	March -	30°000	39°1	38°7	38°9	33°2	46°2	22°3	13th	56°4	7th	214	207	211	88°3	86°4	87°4
124 ✓	April -	29°732	40°8	39°8	40°3	34°0	47°4	22°8	13th	55°1	4th	223	218	221	86°7	87°7	87°2
439 ✓	May -	30°044	47°8	45°8	46°8	38°7	54°7	28°0	3rd	63°1	5th	270	270	270	80°5	86°6	83°6
185 ✓	June -	29°776	54°9	52°9	53°9	47°2	61°3	35°0	5th	65°1	13th	355	360	358	82°3	89°3	85°8
205 ✓	July -	793	56°6	54°8	55°7	50°8	62°1	47°5	6th	73°5	28th	382	376	379	83°3	87°2	85°3
228 ✓	August -	816	56°7	55°1	55°9	49°6	63°8	40°2	10th	73°0	12th	380	375	378	82°5	86°2	84°4
364 ✓	September -	29°960	53°3	51°2	52°3	46°6	60°0	31°8	30th	68°6	6th	343	337	340	84°0	88°9	86°5
551 ✓	October -	30°158	47°0	46°6	46°8	41°5	54°3	26°8	16th	63°1	23rd	291	290	291	89°4	90°5	90°0
660 ✓	November -	282	38°5	38°2	38°4	33°2	44°5	20°8	22nd	55°2	18th	208	207	208	86°1	86°1	86°1
29.692 ✓	December -	30°319	32°8	34°6	33°7	27°9	40°1	15°2	2nd	53°3	28th	167	179	173	84°1	85°8	85°0
	Year -	29°958	44°3	43°6	44°0	38°3	50°9	—	—	—	—	263	264	264	84°9	87°7	86°3

## AUDLEY END

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

January -	ins. 30°041	30°7	30°0	30°4	25°8	34°8	15°0	6th	51°4	1st	148	148	148	84°1	87°1	85°6
February -	29°522	37°0	37°3	37°2	33°4	41°6	20°0	24th	53°6	9th	202	205	204	89°7	90°1	89°9
March -	985	40°0	38°6	39°3	33°2	48°0	26°0	8th	64°0	19th	212	209	211	83°7	88°1	85°9
April -	29°701	43°4	39°7	41°6	35°0	50°0	25°0	12th	59°0	7th	241	225	233	84°8	91°0	87°9
May -	30°003	49°2	44°5	46°9	38°3	55°8	25°0	10th	66°0	21st	270	263	267	76°6	88°4	82°5
June -	29°809	58°1	53°7	55°9	49°1	64°2	38°0	5th	70°9	14th	380	375	378	78°7	90°6	84°7
July -	779	58°9	55°5	57°2	51°2	64°6	45°2	12th	78°1	30th	427	405	416	85°7	91°7	88°7
August -	818	61°0	57°3	59°2	52°4	67°5	42°3	10th	76°3	13th	433	425	429	80°9	89°3	85°1
September -	29°965	56°8	52°0	54°4	45°6	63°6	36°2	1st	77°0	6th	391	361	376	84°8	91°2	88°0
October -																
November -																
December -																
Year -																

Observations discontinued.

## MONTHLY SUMMARIES.—OSCOTT—CHURCHSTOKE—AUDLEY END.

## OSCOTT.

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

1879.	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°9	7°5	8°2	ins.	ins.	18th	10	15	1	0	0	21	0	4	24	14	3	4	3	4	6	0		
February -	9°5	8°1	8°8	2°640	°370	1st	22	13	1	0	0	21	1	7	7	9	5	8	6	9	3	2		
March -	7°7	6°6	7°2	0°780	°240	16th	13	8	0	0	5	17	1	6	11	8	3	7	15	7	4	1		
April -	8°7	5°9	7°3	2°780	°610	23rd	18	5	2	0	1	14	1	8	16	9	3	8	6	1	4	5		
May -	8°4	6°5	7°5	3°220	1°080	14th	16	2	1	2	3	19	0	8	12	4	1	9	10	2	10	6		
June -	9°1	6°9	8°0	4°650	°740	7th	24	0	3	8	0	18	1	3	5	4	4	19	19	1	3	2		
July -	9°2	8°1	8°7	3°190	°430	20th	20	0	0	3	0	22	3	2	4	5	5	10	17	13	7	2		
August -	8°3	6°7	7°5	5°470	1°460	2nd	19	0	0	5	0	15	4	5	5	5	5	10	18	7	4	3		
September -	7°7	6°2	7°0	3°150	°540	28th	18	0	0	1	5	16	1	8	6	4	3	15	12	6	3	3		
October -	8°6	8°2	8°4	0°880	°270	24th	11	0	0	0	0	23	2	4	14	5	1	3	9	9	10	7		
November -	7°6	6°5	7°1	1°140	°450	20th	16	7	0	0	5	17	0	19	10	0	1	2	8	9	10	1		
December -	8°7	5°9	7°3	0°710	°200	30th	7	5	1	0	2	17	4	8	8	1	2	13	16	7	3	4		
Year	8°5	6°9	7°7	30°650	—	—	194	55	9	19	21	220	18	82	122	68	33	108	139	75	67	36		

## CHURCHSTOKE.

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

January -	7°2	8°0	7°6	1°478	507	2nd	11	9	0	0	0	15	0	3	11	23	7	5	4	8	1	0
February -	8°0	8°0	8°0	2°740	390	8th	18	9	2	0	0	14	0	5	5	11	4	6	6	14	5	0
March -	7°3	7°0	7°2	1°303	350	17th	15	4	0	0	0	12	2	8	10	6	2	6	23	6	1	0
April -	7°7	6°8	7°3	1°599	215	6th	22	5	3	1	0	9	0	15	7	9	3	10	7	3	6	0
May -	6°5	7°5	7°0	2°225	557	14th	20	2	2	0	0	8	0	19	3	6	0	8	11	8	7	0
June -	7°0	7°3	7°2	4°761	675	7th	24	0	1	6	0	7	0	2	1	6	8	16	15	9	3	0
July -	7°5	7°2	7°4	3°259	1179	13th	19	0	0	1	0	12	0	0	2	5	2	4	14	25	10	0
August -	7°2	7°1	7°2	4°886	1390	16th	19	0	0	4	0	11	0	3	3	7	7	4	19	14	4	1
September -	7°0	7°1	7°1	2°788	702	7th	16	0	0	0	3	13	1	1	1	4	4	1	14	23	4	8
October -	8°3	6°5	7°4	1°162	233	19th	11	0	0	2	0	12	0	3	8	3	3	1	9	14	6	15
November -	7°0	7°5	7°3	0°920	315	20th	11	6	0	0	2	19	0	8	11	5	1	0	3	15	11	6
December -	7°5	7°6	7°6	1°294	640	30th	11	4	1	0	0	14	0	7	10	7	5	2	19	6	6	0
Year -	7°4	7°3	7°4	28°415	—	—	197	39	9	14	5	146	3	74	72	92	46	63	144	145	64	30

## AUDLEY END.







## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## CHIGWELL ROW

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

1879.	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°066	31°8	31°2	31°5	28°1	35°6	18°3	12th	50°0	1st	in. 170	in. 165	in. 168	% 95	% 94	% 95
February -	29°574	37°4	38°1	37°8	34°4	42°0	25°0	24th	52°0	9th	210	215	213	94	94	94
March -	30°024	40°3	40°2	40°3	35°1	47°8	29°0	13th	62°0	19th	210	215	216	88	87	88
April -	29°732	43°7	41°2	42°5	36°2	49°9	27°2	12th	59°0	26th	242	229	236	85	89	87
May -	30°041	50°0	46°2	48°1	40°4	55°7	29°0	10th	65°0	5th & 24th	267	259	263	75	84	80
June -	29°848	57°4	55°2	56°3	49°9	62°7	41°2	4th	68°5	14th	379	365	372	80	84	82
July -	28°33	58°3	56°4	57°4	51°5	63°6	46°2	11th	75°3	30th	397	395	395	81	87	84
August -	29°860	60°0	59°2	59°6	53°4	65°6	47°0	10th	75°0	13th	420	417	419	81	83	82
September -	30°010	55°9	54°9	55°4	49°0	61°3	40°1	25th	68°0	3rd	380	372	376	85	87	86
October -	29°163	49°3	48°5	48°9	43°9	54°6	33°0	16th	63°0	4th	308	303	306	88	89	89
November -	29°246	37°7	37°5	37°6	33°7	43°4	19°8	23rd	56°0	18th	205	203	204	90	91	91
December -	30°351	31°5	32°0	31°8	26°7	37°4	13°1	7th	53°0	31st	173	170	172	98	93	96
Year -	29°979	46°1	45°1	45°6	40°2	51°6	—	—	—	—	281	276	278	86·7	88·5	87·6

## MARLBOROUGH, WILTS.

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

		Air Temperature.							Tension of Vapour.			Relative Humidity.		
		Inches.							Inches.			Per Cent.		
		Mean.							Mean.			Mean.		
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## STRATHFIELD TURGISS

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

	ins.											in.	in.	in.	%.	%.	%.
January -	30° 037	32° 1	30° 5	31° 3	26° 6	35° 9	15° 1	11th	50° 1	1st	in.	152	141	147	79° 8	81° 1	80° 5
February -	29° 554	37° 7	37° 7	37° 7	33° 0	43° 4	16° 6	24th	52° 1	8th	202	206	204	85° 4	86° 9	86° 2	
March -	30° 001	41° 6	39° 6	40° 6	33° 7	49° 0	26° 8	9th	63° 5	19th	217	204	211	80° 6	81° 4	81° 0	
April -	29° 706	45° 7	41° 8	43° 8	35° 4	51° 9	25° 0	12th	60° 9	26th	246	229	238	79° 8	85° 2	82° 5	
May -	30° 023	50° 4	46° 8	48° 6	39° 2	57° 8	23° 6	3rd	69° 0	24th	278	266	272	75° 2	82° 2	78° 7	
June -	29° 821	58° 4	54° 0	56° 2	49° 1	64° 5	38° 8	4th	69° 2	18th	388	371	380	79° 8	88° 5	84° 2	
July -	28° 21	59° 5	55° 8	57° 7	50° 9	66° 3	43° 9	11th	79° 6	29th	413	399	406	81° 2	89° 0	85° 1	
August -	28° 28	61° 3	56° 8	59° 1	52° 4	67° 9	44° 2	10th	77° 3	12th	444	424	434	82° 0	91° 2	86° 6	
September -	29° 988	57° 4	53° 1	55° 3	47° 0	65° 3	35° 7	1st	72° 6	3rd	395	372	384	83° 9	91° 4	87° 7	
October -	30° 149	49° 2	46° 9	48° 1	41° 4	56° 2	29° 0	26th	67° 2	4th	314	298	306	88° 5	91° 3	89° 9	
November -	29° 243	37° 7	37° 1	37° 4	32° 1	44° 5	16° 9	16th	55° 1	5th	203	205	204	86° 2	89° 4	87° 8	
December -	30° 335	31° 2	31° 6	31° 4	24° 7	37° 3	10° 3	7th	52° 2	29th	160	158	159	86° 1	84° 9	85° 5	
Year -	29° 959	46° 9	44° 3	45° 6	38° 8	53° 3	—	—	—	—	284	273	279	82° 4	86° 9	84° 6	

## MONTHLY SUMMARIES.—CHIGWELL ROW—MARLBOROUGH, WILTS—STRATHFIELD TURGISS.

## CHIGWELL ROW.

Thermometers, 5 feet above ground. Rain-gauge, 1 foot 8 inches above ground.

1879.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storms.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January	-	8.8	7.5	8.2	ins.	ins.	1st	10	12	0	0	0	17	0	5	12	21	8	3	3	0	8	2	
February	-	8.3	9.0	8.7	2.980	.740	10th	20	10	0	0	1	18	0	6	10	6	4	2	14	5	5	4	
March	-	7.4	7.3	7.4	0.780	.150	14th	12	6	0	0	3	17	0	3	10	10	7	3	12	9	6	2	
April	-	8.5	6.6	7.6	2.770	.410	12th	17	5	0	1	0	12	0	10	11	5	9	8	7	2	5	3	
May	-	8.2	5.3	6.8	2.530	.800	28th	17	0	2	1	1	11	0	10	10	8	6	11	6	3	5	3	
June	-	9.0	7.1	8.1	4.580	.820	24th	20	0	2	2	0	17	0	0	0	4	7	14	22	8	3	2	
July	-	9.5	7.8	8.7	3.790	.680	19th	19	0	0	5	0	20	0	1	1	4	7	8	20	10	9	2	
August	-	7.0	5.6	6.3	4.660	.760	17th	15	0	0	2	1	7	0	2	1	7	6	11	19	10	5	1	
September	-	7.5	5.5	6.5	3.340	1.290	23rd	13	0	1	1	4	12	0	6	3	6	5	5	17	6	3	9	
October	-	8.5	6.7	7.6	0.710	.240	19th	13	0	0	0	1	16	0	3	6	9	2	1	11	5	7	18	
November	-	7.5	6.1	6.8	0.830	.280	20th	10	5	1	0	4	14	0	15	7	3	4	1	3	5	15	7	
December	-	8.7	7.2	8.0	0.910	.270	30th	9	6	1	1	2	19	0	5	8	11	3	2	5	8	6	14	
Year	-	8.2	6.8	7.5	30.250	—	—	175	44	7	13	17	180	0	66	79	94	68	69	139	71	77	67	

## MARLBOROUGH, WILTS.

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

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## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## RAMSGATE

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

1879.	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° 52	33° 3	33° 4	33° 4	30° 3	37° 3	21° 6	12th	50° 3	1st	in. ·170	in. ·164	in. ·167	% 87° 1	% 83° 9	% 85° 5
February -	29° 582	37° 8	38° 5	38° 2	34° 7	42° 7	26° 9	1st	52° 6	8th	·211	·217	·214	90° 9	91° 4	91° 2
March -	30° 032	41° 3	40° 2	40° 8	36° 0	48° 0	29° 6	24th	61° 2	9th	·226	·224	·225	85° 7	89° 3	87° 5
April -	29° 721	45° 3	42° 3	43° 8	38° 9	50° 7	31° 7	12th	59° 5	15th	·253	·240	·247	83° 3	87° 9	85° 6
May -	30° 030	50° 9	46° 0	48° 5	42° 0	57° 3	34° 6	1st	68° 4	21st	·287	·273	·280	76° 5	86° 9	81° 7
June -	29° 864	58° 4	54° 4	56° 4	50° 5	66° 0	42° 8	4th	75° 2	11th	·397	·386	·392	81° 5	91° 0	86° 3
July -	·838	59° 4	56° 6	58° 0	52° 6	64° 1	47° 1	{ 6th 11th }	79° 2	30th	·413	·421	·417	81° 6	91° 1	86° 4
August -	29° 902	61° 6	58° 9	60° 3	55° 5	67° 0	47° 2	10th	78° 2	14th	·446	·456	·451	81° 7	89° 9	85° 8
September	30° 020	58° 7	55° 6	57° 2	51° 7	63° 2	42° 0	25th	69° 8	3rd	·414	·397	·406	83° 9	88° 8	86° 4
October -	·139	51° 4	50° 9	51° 2	45° 3	56° 5	35° 1	17th	65° 4	7th	—	—	—	—	—	—
November -	·202	39° 8	40° 0	39° 9	36° 0	44° 9	25° 6	16th	52° 3	18th	·218	·217	·218	88° 3	86° 8	87° 6
December	30° 337	32° 5	33° 4	33° 0	27° 9	38° 1	20° 9	7th	50° 5	31st	·175	·182	·179	92° 9	92° 7	92° 8
Year -	29° 977	47° 5	45° 9	46° 7	41° 8	53° 0	—	—	—	—	—	—	—	—	—	—

## FOLKESTONE

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

January	ins. 30.031	33.3	33.2	33.3	29.9	37.1	21.7	12th	49.8	1st	in. .167	in. .164	in. .166	% 84.9	% 83.9	% 84.4
February	29.553	37.5	38.1	37.8	34.2	41.9	26.9	1st	47.4	10th	.205	.213	.209	89.6	91.5	90.6
March	.998	40.7	40.2	40.5	35.6	46.3	29.7	14th	56.4	19th	.225	.225	.225	87.6	89.1	88.4
April	29.701	44.8	41.6	43.2	38.3	49.3	29.0	12th	57.5	27th	.251	.243	.247	84.0	91.4	87.7
May	30.010	50.0	45.1	47.6	40.5	54.7	30.5	1st	65.4	19th	.287	.270	.279	78.9	88.8	83.9
June	29.853	56.6	53.6	55.1	50.0	61.3	42.8	5th	68.6	28th	.400	.382	.391	87.3	92.9	90.1
July	.825	59.0	56.0	57.5	52.0	63.0	45.5	11th	75.6	30th	.421	.407	.414	84.2	90.2	87.2
August	.880	60.7	58.1	59.4	54.9	65.8	49.3	10th	76.9	13th	.455	.440	.448	85.6	90.4	88.0
September	29.996	58.6	55.1	56.9	50.9	63.6	41.6	25th	69.5	6th	.419	.394	.407	84.7	89.7	87.2
October	30.135	51.2	49.6	50.4	45.0	56.1	35.2	16th	63.8	4th	.333	.328	.331	87.5	90.8	89.2
November	.197	40.2	—	—	—	—	26.7	?	55.9	18th	.218	—	—	85.8	—	—
December	30.338	32.9	—	—	27.2	38.3	*11.8	17th	48.3	31st	.178	—	—	92.5	—	—
Year	29.960	47.1	—	—	—	—	—	—	—	—	.297	—	—	86.1	—	—

\* Somewhat doubtful.

## SOUTHAMPTON

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

January	ins. 30.015	33.0	33.0	33.0	30.2	37.1	16.1	12th	51.9	3rd	in. .165	in. .161	in. .163	% 83.1	% 82.4	% 82.8
February	29.549	38.1	39.0	38.6	35.9	42.7	25.7	24th	50.2	8th	.216	.228	.222	91.0	93.0	92.0
March	.998	40.7	40.9	40.8	36.5	47.9	29.9	2nd	59.4	9th	.228	.232	.230	87.5	89.0	88.3
April	29.696	44.3	42.7	43.5	37.8	57.4	28.6	12th	57.4	27th	.257	.253	.255	87.3	91.5	89.4
May	30.016	50.1	47.3	48.7	42.4	56.6	32.2	8th	66.4	5th	.290	.289	.290	79.3	87.4	83.4
June	29.823	57.1	54.6	55.9	51.4	61.8	42.1	4th	67.7	18th	.394	.391	.393	84.9	91.4	88.2
July	.830	58.6	56.7	57.7	52.7	64.6	46.8	11th	77.0	29th	.421	.407	.414	85.3	88.0	86.7
August	.859	61.4	58.2	59.8	54.4	66.6	47.0	30th	77.0	12th	.447	.434	.441	82.6	89.1	85.9
September	29.986	57.3	54.9	56.1	49.5	63.8	39.7	26th	71.1	4th	.414	.396	.405	87.8	91.4	89.6
October	30.142	50.2	48.6	49.4	44.0	56.5	31.3	16th	67.1	6th	.330	.318	.324	89.5	91.3	90.4
November	.238	38.5	38.2	38.4	34.1	44.5	22.7	16th	56.6	18th	.209	.211	.210	86.7	88.3	87.5
December	30.332	32.8	33.5	33.2	27.9	39.2	17.0	7th	51.6	29th	.171	.180	.176	87.1	90.2	88.7
Year	29.957	46.8	45.6	46.2	41.4	52.6	—	—	—	—	.295	.292	.294	86.0	89.4	87.7

## MONTHLY SUMMARIES.—RAMSGATE—FOLKESTONE—SOUTHAMPTON.

## RAMSGATE.

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

1879.	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	7.5	7.9	ins.	ins.	1st	9	3	7	0	1	19	2	3	30	5	0	1	5	7	3	8		
February -	9.1	8.8	9.0	3.220	.430	16th	23	8	4	0	0	19	2	5	15	2	2	7	13	4	1	7		
March -	6.6	5.7	6.2	0.700	.130	{ 11th 28th	9	4	1	0	5	11	1	1	16	5	0	2	17	5	6	10		
April -	7.1	6.5	6.8	3.000	.580	16th	19	3	1	1	2	13	0	9	11	3	7	5	7	6	4	8		
May -	7.1	5.2	6.2	3.290	1.250	23rd	12	1	4	1	1	7	0	12	9	3	3	3	13	6	2	11		
June -	7.6	6.6	7.1	2.710	.970	25th	15	0	0	1	0	9	1	0	1	2	2	4	35	1	0	15		
July -	8.1	6.8	7.5	3.200	.700	21st	17	0	0	0	1	13	2	0	4	3	1	4	26	10	1	13		
August -	7.3	5.4	6.4	3.190	.580	19th	20	0	0	1	1	7	2	1	4	3	2	4	30	5	0	13		
September -	6.2	5.2	5.7	3.090	1.210	24th	13	0	0	0	5	10	0	5	11	0	2	5	16	10	4	7		
October -	7.1	7.1	7.1	1.040	.240	25th	12	0	1	0	3	14	0	4	8	5	1	0	11	9	2	22		
November -	8.5	6.9	7.7	0.830	.220	16th	15	6	1	0	0	15	0	5	3	7	5	4	3	15	6	12		
December -	7.9	7.4	7.7	1.360	.420	7th	11	4	1	0	0	16	1	2	5	6	2	1	16	8	1	21		
Year -	7.6	6.6	7.1	27.850	—	—	175	29	20	4	19	153	11	47	117	44	27	40	192	86	30	147		

## FOLKESTONE.

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

January	8.5	8.0	8.3	ins. 2.600	ins. 1.050	1st	9	4	1	0	2	21	1	4	7	32	2	3	3	5	6	0
February	8.5	8.6	8.6	3.890	.400	15th	24	9	3	0	1	18	1	9	5	9	1	9	12	9	1	1
March	6.9	6.6	6.8	0.830	.280	30th	11	6	0	0	4	12	0	9	9	13	0	7	14	9	1	0
April	7.8	7.7	7.8	2.840	.610	12th	17	2	3	2	1	18	6	13	8	12	5	7	4	3	7	1
May	6.4	5.1	5.8	3.040	1.100	28th	19	2	3	1	2	7	6	16	7	6	1	9	11	4	3	5
June	7.9	6.7	7.3	3.106	1.240	2nd	19	0	0	3	1	16	2	0	1	5	3	19	23	9	0	0
July	8.1	8.0	8.1	3.670	.530	12th	20	0	1	2	1	17	5	2	3	4	2	6	23	16	4	2
August	7.0	6.7	6.9	3.082	.710	19th	22	0	0	1	2	13	4	2	3	2	4	8	29	11	2	1
September	6.1	5.4	5.8	2.560	.900	23rd	13	0	1	3	6	11	3	9	6	5	5	8	10	14	3	0
October	6.8	6.8	6.8	0.727	.180	18th	11	0	0	1	4	16	0	6	11	13	2	1	5	19	3	2
November	7.6	6.1	6.9	0.720	.390	20th	9	3	2	0	2	14	1	17	5	3	3	3	5	6	17	1
December	7.0	6.5	6.8	1.210	.540	30th	10	3	1	1	3	12	1	12	9	9	2	7	8	6	4	5
Year	7.4	6.9	7.2	28.275	—	—	184	29	15	14	29	175	30	99	74	113	30	87	147	111	51	18



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## HASTINGS

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

1879.	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. 30.023	33.3	33.4	33.4	30.8	36.8	21.2	12th	50.0	1st	1.66	1.62	1.64	83.0	81.7	82.4
February	29.561	37.7	38.1	37.9	34.9	41.4	27.2	24th	48.0	9th	2.11	2.16	2.14	90.9	92.1	91.5
March	.999	41.0	41.0	41.0	36.9	46.4	30.3	24th	54.9	19th	2.22	2.23	2.23	85.4	86.0	85.7
April	29.704	44.6	42.0	43.3	38.6	49.2	27.1	12th	57.3	27th	2.50	2.41	2.46	84.2	89.5	86.9
May	30.017	49.4	45.8	47.6	41.5	54.3	30.9	10th	64.8	22nd	2.78	2.66	2.72	77.8	85.1	81.5
June	29.857	56.7	53.7	55.2	50.9	60.9	42.4	4th	67.1	28th	3.89	3.76	3.83	84.7	91.0	87.9
July	.835	58.5	55.9	57.2	52.5	62.5	46.1	11th	74.4	29th	4.10	4.02	4.06	83.2	89.3	86.3
August	.882	60.7	58.5	59.6	55.6	65.2	50.4	30th	74.3	13th	4.53	4.34	4.44	85.5	88.0	86.8
September	29.997	57.6	55.6	56.6	51.6	62.7	40.7	25th	68.9	6th	4.01	3.93	3.97	84.2	88.1	86.2
October	30.135	50.5	49.9	50.2	45.5	54.9	34.2	16th	62.4	19th	3.29	3.27	3.28	88.3	89.5	88.9
November	.209	39.4	39.0	39.2	35.0	44.2	26.5	30th	53.8	18th	2.11	2.06	2.09	84.5	84.6	84.6
December	30.335	33.7	34.3	34.0	29.2	38.5	17.6	17th	49.0	31st	1.72	1.77	1.75	85.7	86.5	86.1
Year	29.963	46.9	45.6	46.3	41.9	51.4	—	—	—	—	2.91	2.85	2.88	84.8	87.6	86.2

## DARTMOOR

Long. 3° 59' W. Lat. 50° 33' N. Height above Mean Sea Level, { 1,372 feet till April.  
1,359 feet from May.

1879.	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. 29.970	30.0	30.3	30.2	26.9	34.7	15.0	11th	46.6	3rd	1.67	1.68	1.68	96.0	96.9	96.5
February	.539	36.5	36.1	36.3	32.2	40.4	20.7	25th	48.0	14th	2.14	2.10	2.12	95.9	96.5	96.2
March	.981	37.9	36.0	37.0	32.7	46.4	23.4	25th	54.4	9th	2.11	2.06	2.09	91.4	95.9	93.7
April	29.687	40.7	37.8	39.3	33.7	46.0	25.0	13th	54.2	27th	2.24	2.16	2.20	86.7	93.9	90.3
May	30.045	44.2	42.1	43.2	38.3	49.1	27.5	8th	59.0	5th	2.53	2.47	2.50	86.5	91.1	88.8
June	29.795	50.6	48.9	49.8	45.9	54.2	41.0	4th	59.2	18th	3.47	3.39	3.43	93.9	97.7	95.8
July	.859	51.7	51.1	51.4	48.1	57.1	45.1	2nd & 3rd	71.2	29th	3.68	3.65	3.67	95.2	96.6	95.9
August	.860	54.6	52.3	53.5	50.2	58.5	40.5	31st	63.9	15th	3.96	3.86	3.91	92.5	97.8	95.2
September	29.986	52.0	49.4	50.7	45.4	56.6	38.0	2nd	64.9	6th	3.45	3.38	3.42	89.0	95.2	92.1
October	30.138	46.7	45.0	45.9	41.4	51.1	27.9	16th	59.2	4th	3.07	2.92	3.00	94.9	96.1	95.5
November	.261	36.7	35.8	36.3	32.1	40.9	21.0	22nd	50.5	18th	2.07	2.03	2.05	92.8	94.8	93.8
December	30.329	33.1	32.2	32.7	26.6	37.4	18.0	2nd	49.0	29th	1.88	1.83	1.86	97.1	97.6	97.4
Year	29.954	42.9	41.4	42.2	37.8	47.7	—	—	—	—	2.69	2.63	2.66	92.7	95.8	94.3

## BABBACOMBE

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

1879.	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. 29.981	35.9	35.7	35.8	32.6	39.8	19.1	12th	52.8	13th	1.82	1.81	1.82	81.8	83.3	82.6
February	.541	41.0	40.3	40.7	36.8	46.7	28.2	25th	53.9	6th	2.34	2.32	2.33	88.5	90.5	89.5
March	.990	42.6	40.8	41.7	36.5	48.9	26.2	14th	56.6	16th	2.31	2.28	2.30	83.2	87.8	85.5
April	29.692	45.4	42.2	43.8	38.3	51.1	30.8	12th	57.9	8th	2.49	2.37	2.43	81.5	87.5	84.5
May	30.030	49.6	46.9	48.3	43.1	55.3	35.0	2nd & 8th	63.0	22nd	2.83	2.73	2.78	79.2	84.5	81.9
June	29.805	56.4	52.5	54.5	50.2	61.2	41.9	4th	69.2	18th	3.90	3.65	3.78	86.2	92.0	89.1
July	.859	58.3	54.6	56.5	51.9	63.6	47.6	11th	70.6	23rd	4.13	3.82	3.98	85.0	89.2	87.1
August	.864	60.1	56.2	58.2	53.9	64.5	45.8	30th	71.1	13th	4.34	4.10	4.22	83.9	90.2	87.1
September	29.987	57.6	53.2	55.4	49.6	62.1	39.2	2nd	68.4	3rd	3.96	3.72	3.84	83.7	91.0	87.4
October	30.146	51.7	50.0	50.9	46.2	56.6	32.0	16th	64.8	4th	3.36	3.25	3.31	86.6	88.8	87.7
November	.256	41.9	40.8	41.4	37.0	47.6	25.4	14th	59.8	18th	2.24	2.19	2.22	82.3	84.5	83.4
December	30.323	36.5	37.3	36.9	32.1	42.8	22.8	13th	52.3	28th	1.95	1.98	1.97	87.5	85.8	86.7
Year	29.956	48.1	45.9	47.0	42.4	53.4	—	—	—	—	2.97	2.85	2.91	84.1	87.9	86.0

## MONTHLY SUMMARIES.—HASTINGS—DARTMOOR—BABBACOMBE.

## HASTINGS.

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

1879.	Amount of Cloud.			Rainfall.			Weather, No. of Days of										Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Cal.		
January	8.4	8.3	8.4	3.770	1.690	1st	10	3	1	0	2	24	3	3	34	5	2	4	5	2	5	2		
February	8.1	7.9	8.0	3.795	.610	9th	22	8	4	0	2	19	1	7	11	2	1	12	11	6	4	2		
March	5.8	6.4	6.1	0.900	.220	30th	18	3	0	0	6	12	1	6	20	5	0	7	12	7	3	2		
April	7.6	6.6	7.1	3.425	.920	15th	19	3	1	1	0	13	2	9	15	2	1	15	4	5	3	6		
May	5.8	4.5	5.2	3.085	1.240	28th	20	0	4	1	5	7	1	9	14	1	1	12	11	5	5	4		
June	8.0	7.0	7.5	4.325	1.800	2nd	21	0	0	1	1	15	3	0	5	1	2	15	23	12	1	1		
July	8.7	6.9	7.8	3.290	.650	19th	20	0	0	1	1	17	5	3	4	3	1	3	27	17	4	0		
August	7.4	6.3	6.9	3.650	.690	19th	22	0	0	1	6	16	6	4	8	2	0	7	29	9	0	3		
September	6.3	5.4	5.9	2.970	.880	23rd	19	0	0	1	8	14	2	3	19	1	1	8	13	8	3	4		
October	6.2	5.6	5.9	1.105	.290	24th	19	0	0	1	8	13	1	5	25	2	1	4	6	9	7	3		
November	7.0	5.2	6.1	1.120	.550	21st	11	4	1	0	6	12	0	13	18	1	1	2	3	8	9	5		
December	6.5	5.8	6.2	0.955	.285	28th	10	5	2	0	5	13	4	5	17	3	3	11	10	5	5	3		
Year	7.2	6.3	6.8	32.390	—	—	211	26	13	7	50	175	29	67	190	28	14	100	154	93	49	35		

## DARTMOOR.

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

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## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

ST. AUBIN'S, JERSEY

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

1879.	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 -	29°994	37°7	37°7	37°7	34°5	40°9	25°0	11th	52°6	18th	201	198	200	86°1	84°9	85°5
February -	29°609	42°6	42°2	42°4	38°5	46°9	30°4	24th	52°8	8th	242	241	242	87°4	87°9	87°7
March -	30°029	44°8	43°2	44°0	39°4	49°7	31°2	14th	59°9	9th	245	240	243	82°1	85°4	83°8
April -	29°720	48°5	44°6	46°6	41°4	52°5	35°0	12th	58°1	20th	266	257	262	77°7	86°4	82°1
May -	30°054	51°9	47°5	49°7	44°4	55°5	36°2	9th	64°4	21st	294	280	287	75°2	84°2	79°7
June -	29°893	58°0	55°2	56°6	51°9	62°5	46°0	4th	71°2	27th	409	386	398	84°8	88°3	86°6
July -	937	58°8	56°2	57°5	53°5	63°8	49°5	2nd	79°4	29th	424	405	415	85°4	89°3	87°4
August -	29°940	61°2	59°6	60°4	56°4	66°5	51°4	31st	79°3	12th	473	461	467	87°6	89°8	88°7
September -	30°037	60°6	57°1	58°9	53°9	64°6	46°1	25th	70°8	3rd	430	407	419	81°6	86°9	84°3
October -	158	55°0	53°1	54°1	49°7	58°1	40°1	16th	64°9	4th	346	344	345	79°5	84°3	81°9
November -	250	45°2	44°2	44°7	40°0	48°6	30°4	28th	55°9	18th	236	231	234	76°7	77°2	77°0
December -	30°366	37°8	37°4	37°6	32°6	42°8	22°7	3rd	52°0	22nd	189	189	189	80°9	81°9	81°4
Year -	29°999	50°2	48°2	49°2	44°7	54°4	—	—	—	—	313	303	308	82°1	85°5	83°8

LONDONDERRY

Long.  $7^{\circ} 19' \text{ W.}$  Lat.  $55^{\circ} 0' \text{ N.}$  Height above Mean Sea Level, 93 feet.

		ins.										in.	in.	in.	°	°	°
January	-	30°007	33°7	33°2	33°5	30°0	37°1	19°8	24th	46°0	14th	°173	°170	°172	88°5	88°2	88°4
February	-	29°493	37°5	37°4	37°5	34°2	41°6	27°5	25th	49°2	27th	°209	°208	°209	91°9	92°0	92°0
March	-	°910	40°1	39°5	39°8	34°8	45°0	25°2	28th	52°0	7th	°214	°217	°216	84°7	88°3	86°5
April	-	29°728	44°1	42°1	43°1	38°2	48°9	30°8	18th	56°0	25th	°233	°232	°233	80°7	86°1	83°4
May	-	30°045	49°9	46°8	48°4	41°9	54°4	34°0	2nd	61°0	21st	°276	°278	°277	76°8	86°2	81°5
June	-	29°688	56°0	53°4	54°7	49°1	60°5	35°7	4th	65°0	20th	°358	°359	°359	80°1	87°5	83°8
July	-	°730	55°8	54°2	55°0	51°1	60°2	46°4	15th	67°1	29th	°366	°376	°371	82°0	88°8	85°4
August	-	°725	57°4	55°0	56°2	51°1	61°9	44°5	30th	73°0	11th	°392	°388	°390	82°5	89°0	85°8
September	-	29°831	53°2	51°4	52°3	47°7	57°0	38°0	24th	63°6	6th	°354	°344	°349	86°9	90°1	88°5
October	-	30°127	47°0	46°8	46°9	42°5	52°9	30°6	26th	62°5	6th	°298	°301	°300	91°4	92°7	92°1
November	-	°313	42°6	43°0	42°8	38°5	47°2	29°0	26th	57°0	18th	°239	°248	°244	86°1	87°7	86°9
December	-	30°167	35°7	37°2	36°5	31°1	41°7	16°0	4th	53°7	28th	°192	°207	°200	88°2	88°5	88°4
Year	-	29°897	46°1	45°0	45°6	40°9	50°7	—	—	—	—	°275	°277	°276	85°0	88°8	86°9

COLEBROOK (BROOKEBOROUGH)

Long.  $7^{\circ} 22' \text{ W.}$  Lat.  $54^{\circ} 21' \text{ N.}$  Height above Mean Sea Level, 246 feet.

		ins.																%	%	%
January -	-	29 <sup>864</sup> / <sub>932</sub>	31°6	31°5	31°6	27°2	37°9	11°8	12th	47°9	18th	in.	in.	in.				%	%	%
February -	-	29 <sup>82</sup> / <sub>930</sub>	36°1	36°9	36°5	32°8	42°4	21°8	{ 25th } 26th	49°1	27th	*159	*166	*163	89	94	92	92	94	92
March -	-	29 <sup>860</sup> / <sub>932</sub>	37°6	39°0	38°3	32°7	46°1	22°8	13th	52°4	8th	*204	*214	*209	91	90	91	91	90	91
April -	-	29 <sup>850</sup> / <sub>922</sub>	41°9	40°8	41°4	35°2	49°6	25°3	3rd	57°2	6th	*228	*210	*219	87	83	85	85	83	85
May -	-	29 <sup>890</sup> / <sub>936</sub>	48°4	46°0	47°2	38°9	55°0	27°3	2nd	63°0	29th	*269	*263	*266	80	85	83	83	85	83
June -	-	29 <sup>867</sup> / <sub>932</sub>	54°2	52°6	53°4	47°8	61°4	33°6	2nd	67°9	15th	*355	*353	*354	84	89	87	87	89	87
July -	-	29 <sup>867</sup> / <sub>932</sub>	54°6	54°1	54°4	49°7	61°3	44°4	27th	83°4	30th	*375	*387	*381	89	92	91	91	92	91
August -	-	29 <sup>867</sup> / <sub>932</sub>	55°6	54°3	55°0	49°3	62°9	40°4	2nd	75°9	11th	*386	*374	*380	87	88	88	88	88	88
September -	-	29 <sup>867</sup> / <sub>932</sub>	51°4	50°6	51°0	45°0	57°6	31°8	24th	63°0	4th	*343	*335	*339	90	91	91	91	91	91
October -	-	30 <sup>878</sup> / <sub>936</sub>	45°8	46°4	46°1	41°0	52°9	31°8	15th	65°5	7th	*286	*294	*290	93	93	93	93	93	93
November -	-	30 <sup>878</sup> / <sub>936</sub>	40°1	40°3	40°2	35°3	46°5	23°8	30th	54°9	18th	*223	*223	*223	90	90	90	90	90	90
December -	-	30 <sup>878</sup> / <sub>936</sub>	32°6	35°1	33°9	27°6	41°2	8°8	5th	55°4	28th	*169	*189	*179	90	92	91	91	92	91
Year -	-	29 <sup>841</sup> / <sub>932</sub>	44°2	44°0	44°1	38°5	51°2	—	—	—	—	*266	*267	*267	88·5	89·9	89·2	89·2	89·2	89·2

NOTE.—The pressures at Colebrook are somewhat doubtful.

-The pressures at Colebrook are somewhat doubtful. They require a correction of +032. See vol. for 1881. J.C.

ST. AUBIN'S, JERSEY.

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

1879.	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 - -	9.2	7.8	8.5	ins. 4.209	ins. .732	3rd	16	3	1	1	2	23	4	2	11	26	6	5	5	4	0	3	
February - -	8.3	8.3	8.3	5.051	.730	9th	26	2	10	1	0	18	0	4	10	1	4	9	12	8	6	2	
March - -	7.2	5.7	6.5	1.337	.473	30th	10	2	3	1	5	15	0	4	13	13	4	5	9	4	7	3	
April - -	6.3	5.3	5.8	2.054	.433	6th	15	1	2	0	3	9	1	8	11	3	7	5	11	5	9	1	
May - -	6.8	4.7	5.8	2.293	.716	26th	14	0	1	0	6	7	1	7	15	2	3	5	11	8	10	1	
June - -	7.7	6.6	7.2	3.413	.702	15th	22	0	0	1	0	12	0	0	1	2	3	18	20	13	0	3	
July - -	8.7	6.9	7.8	1.570	.283	1st	18	0	0	0	1	16	1	3	2	2	2	4	18	26	3	2	
August - -	8.3	6.8	7.6	3.956	.650	8th	20	0	0	0	2	17	1	1	2	4	2	5	23	17	5	3	
September - -	7.4	6.0	6.7	3.592	1.000	23rd	14	0	1	0	2	14	0	2	12	7	2	6	14	7	6	4	
October - -	6.9	5.7	6.3	1.379	.240	19th	12	0	0	0	7	14	1	5	10	22	3	0	5	10	5	2	
November - -	7.0	6.0	6.5	1.048	.315	10th	9	3	3	0	3	11	2	7	17	12	5	1	3	5	5	5	
December - -	5.4	5.1	5.3	0.874	.280	28th	9	2	2	1	5	8	3	6	7	11	13	7	6	6	3	3	
Year -	7.4	6.2	6.8	30.776	—	—	185	13	23	7	35	164	14	49	111	105	54	70	137	113	59	32	

LONDONDERRY.

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

[illegible]

COLEBROOK (BROOKEBOROUGH).

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

Thermometers, 4 feet above g.																							
					ins.	ins.	18th	9	*	*	*	4	16	8	0	8	15	2	1	5	1	0	30
January	-	8°0	6°1	7°1	ins. 3°07°	7°05	18th	9	*	*	*	4	16	8	0	8	15	2	1	5	1	0	30
February	-	8°9	6°4	7°7	2°50	3°79	5th	17	—	—	—	2	16	3	2	13	6	4	1	4	3	2	2
March	-	7°5	7°7	7°6	2°224	2°65	29th	19	—	—	—	1	17	8	0	20	2	1	2	14	7	5	11
April	-	8°5	7°2	7°9	1°686	2°72	23rd	12	—	—	—	1	18	4	3	24	4	2	1	2	2	3	19
May	-	7°6	7°3	7°5	3°500	°945	16th	15	—	—	—	0	14	1	8	10	1	5	0	5	4	17	12
June	-	9°2	8°5	8°9	5°787	1°035	30th	22	—	—	—	0	23	4	3	15	5	5	5	5	1	8	13
July	-	9°4	9°7	9°6	5°626	°940	1st	22	—	—	—	0	29	4	5	8	1	5	1	10	10	12	10
August	-	9°1	8°2	8°7	5°292	1°290	15th	21	—	—	—	2	23	4	4	3	10	2	1	9	6	14	13
September	-	8°9	7°6	8°3	6°487	1°260	7th	19	—	—	—	0	20	7	0	2	2	7	3	15	8	3	20
October	-	9°2	6°8	8°0	2°408	°412	{ 18th 19th }	14	0	0	1	1	20	3	3	9	1	1	0	9	7	8	24
November	-	8°4	6°8	7°6	1°230	°600	9th	9	1	0	0	2	17	1	7	8	2	4	0	6	2	7	24
December	-	7°9	6°2	7°1	2°819	°935	30th	8	2	0	1	3	15	3	1	4	0	9	5	13	3	0	27
Year	-	8°6	7°4	8°0	42°63°	—	—	187	*	*	*	16	228	50	36	124	49	47	20	97	54	79	224

\* No observations of weather for the first nine months.

A. A. 2



## OBSERVATIONS FROM STATIONS OF THE SECOND ORDER.

## MARKREE CASTLE, SLIGO

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

1879.	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.																
29.820/ January -	29.973	31.4	31.5	31.5	26.8	38.6	13.4	12th	47.8	13th	in.	in.	in.	%	%	%	
29.820/ February -	*	37.4	37.3	37.4	32.6	43.9	22.2	25th	51.6	27th	206	206	206	87.3	89.5	88.4	
29.820/ March -	*	40.6	40.0	40.3	33.2	48.3	21.5	13th	59.4	9th	221	223	222	90.7	91.0	90.9	
29.820/ April -	*	44.9	41.2	43.1	35.5	51.1	25.1	3rd	58.5	25th	234	219	227	85.6	88.6	87.1	
29.820/ May -	*	50.1	45.9	48.0	39.1	54.8	26.0	2nd	61.2	21st	260	262	261	78.1	83.8	81.0	
29.820/ June -	*	55.2	51.6	53.4	47.0	61.3	30.7	2nd	66.8	15th	352	333	343	80.7	86.6	83.7	
29.820/ July -	*	55.4	53.4	54.4	49.5	60.7	40.8	27th	68.3	28th	372	368	370	85.1	89.6	87.4	
29.820/ August -	29.730	56.7	53.2	55.0	48.3	62.9	39.6	8th	74.0	11th	382	361	372	83.1	88.4	85.8	
29.820/ September -	29.844	53.5	50.2	51.9	45.3	58.2	30.3	24th	64.6	6th	357	332	345	86.7	90.4	88.6	
29.820/ October -	30.132	48.7	46.5	47.6	41.5	54.6	29.5	15th	68.2	8th	311	297	304	89.8	92.3	91.1	
30.162/ November -	312	42.7	41.6	42.2	37.5	48.5	26.2	28th	57.4	{ 17th } 19th	241	236	239	86.0	86.8	86.4	
30.021/ December -	30.174	35.0	36.5	35.8	29.8	42.7	16.0	2nd	55.2	28th	193	205	199	91.8	90.4	91.1	
29.738 Year	—	46.0	44.1	45.1	38.8	52.1	—	—	—	—	274	267	271	84.7	88.5	86.6	

\* Instrument under repair.

## DUBLIN

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

At 32° F.	ins.										in.	in.	in.	%	%	%	
29 920	January -	30°009	34°8	35°1	35°0	31°7	38°9	212	12th	49°4	13th	°168	°169	°169	81°3	80°8	81°1
450	February -	29°501	39°2	40°0	39°6	36°5	43°7	279	26th	51°3	6th	°217	°218	°218	89°0	87°4	88°2
820	March -	°948	41°8	42°1	42°0	37°5	47°4	31°5	1st	56°2	8th	°224	°223	°224	83°4	82°6	83°0
640	April -	29°707	44°4	43°6	44°0	39°8	49°2	31°2	3rd	59°6	25th	°241	°238	°240	81°7	83°5	82°6
980	May -	30°057	50°2	48°5	49°4	42°1	55°4	31°8	10th	63°0	31st	°264	°271	°268	71°6	78°7	75°2
624	June -	29°710	56°5	54°3	55°4	50°3	61°5	40°9	2nd	69°4	27th	°358	°360	°359	78°0	84°9	81°5
04	July -	°780	57°4	55°9	56°7	52°3	62°1	48°1	27th	73°6	28th	°371	°386	°379	78°7	85°8	82°3
740	August -	°770	57°7	56°1	56°9	51°7	63°7	44°4	31st	71°7	11th	°385	°385	°385	80°5	85°5	83°0
694	September -	29°908	54°3	53°2	53°8	48°7	59°8	41°5	24th	67°5	3rd	°353	°353	°353	83°4	86°4	84°9
33	October -	30°148	49°7	49°2	49°5	45°6	53°8	36°1	16th	60°3	5th	°317	°314	°316	88°0	88°7	88°4
29 842	November -	°304	43°5	43°3	43°4	39°9	47°8	30°3	30th	55°3	18th	°238	°238	°238	83°0	82°9	83°0
30 082	December	30°237	37°1	38°5	37°8	32°9	42°9	21°8	5th	56°6	28th	°197	°209	°203	86°4	86°7	86°6
236																	
30 169																	
29 849	Year -	29°923	47°2	46°7	47°0	42°4	52°2	—	—	—	—	°278	°280	°279	82°1	84°5	83°3

## BIRR CASTLE, PARSONSTOWN

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

At 32° F.	ins.																
29.772 ✓ January -	29.977	33.1	33.4	33.3	28.2	40.0	18.4	12th	50.5	13th	in.	in.	in.	%	%	%	
29.8 ✓ February -	498	38.2	38.1	38.2	33.9	45.1	25.0	25th	53.8	5th	219	214	217	92.8	91.9	92.4	
739 ✓ March -	941	41.2	40.2	40.7	32.9	49.1	25.1	13th 22nd	56.5	7th	226	232	229	85.5	89.9	87.7	
501 ✓ April -	29.699	45.4	42.2	43.8	36.7	52.1	26.0	17th	60.5	24th	244	233	239	80.0	86.3	83.2	
673 ✓ May -	30.071	50.6	46.9	48.8	40.5	56.5	29.2	2nd	62.7	31st	265	270	268	71.8	82.9	77.4	
501 ✓ June -	29.695	55.8	52.6	54.2	47.4	62.1	34.4	2nd	67.5	18th	353	342	348	78.9	85.9	82.4	
609 ✓ July -	804	56.4	54.5	55.5	50.8	61.7	44.6	27th	69.6	18th	372	381	377	81.8	89.1	85.5	
576 ✓ August -	771	58.0	54.1	56.1	49.2	64.6	40.3	2nd	73.5	11th	379	373	376	78.6	88.5	83.6	
714 ✓ September -	29.910	53.6	51.5	52.6	46.9	59.6	37.3	24th	66.7	6th	358	349	354	86.7	91.1	88.9	
29.963 ✓ October -	30.163	47.8	47.5	47.7	43.0	55.4	28.8	26th	64.6	6th	308	308	308	91.6	92.7	92.2	
30.124 ✓ November -	328	40.8	40.3	40.6	36.7	48.0	25.7	2nd	57.8	19th	237	235	236	90.9	91.1	91.0	
30.027 ✓ December -	30.232	33.9	35.7	34.8	29.3	42.8	9.8	5th	56.8	28th	191	199	195	93.1	89.0	91.1	
29.725 Year	29.924	46.2	44.8	45.5	39.6	53.1	—	—	—	—	277	276	277	85.1	88.9	87.0	

## MONTHLY SUMMARIES.—MARKREE CASTLE—DUBLIN—BIRR CASTLE, PARSONSTOWN.

## MARKREE CASTLE, SLIGO.

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

1879.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Show.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January -	6.5	6.9	6.7	ins.	ins.	12th	14	4	2	0	4	15	0	1	2	8	22	4	2	0	1	22
February -	8.2	8.0	8.1	1.855	4.24	15th	26	5	2	0	1	19	0	4	6	4	8	8	8	1	1	16
March -	7.1	6.6	6.9	2.204	3.45	17th	24	4	2	0	1	10	0	1	1	12	3	14	12	5	1	13
April -	7.3	6.6	7.0	1.252	2.88	23rd	19	1	1	0	1	10	0	5	8	12	3	4	4	1	5	18
May -	7.7	7.1	7.4	2.523	6.30	23rd	20	0	2	0	3	16	0	11	4	5	3	2	7	3	17	10
June -	9.0	7.5	8.3	3.166	8.12	30th	25	0	0	5	0	19	0	6	4	5	8	12	9	0	8	8
July -	9.4	8.9	9.2	4.097	7.89	1st	23	0	0	4	0	25	0	10	1	0	2	7	10	8	12	12
August -	8.0	7.2	7.6	4.409	9.77	15th	23	0	1	3	0	16	0	6	3	1	6	11	8	3	8	16
September -	8.2	8.4	8.3	4.793	1.075	7th	23	0	2	0	0	19	0	2	0	0	6	11	10	8	6	17
October -	7.1	6.7	6.9	2.372	3.50	19th	22	0	1	0	6	18	0	3	2	5	4	7	5	6	9	21
November -	7.8	6.4	7.1	1.084	3.45	9th	16	0	1	0	4	14	0	8	7	5	3	2	4	6	4	21
December -	6.2	6.6	6.4	2.037	4.69	30th	16	1	1	0	3	12	0	0	0	5	14	7	9	4	1	22
Year	7.7	7.2	7.5	30.854	—	—	251	15	15	12	23	193	0	57	38	62	82	89	88	45	73	196

## DUBLIN.

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

1879.	Amount of Cloud.			Rainfall.			Weather, No. of
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ANNUAL SUMMARY OF OBSERVATIONS taken at 9 a.m. and 9 p.m.  
1879

Stations.				Air Temperature.										Tension of Vapour.			Relative Humidity.				
Name.	Height above Mean Sea Level.	Long.	Lat.	Mean Pressure.	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.	Date.	Max.							Date.		
Sandwich	94	3° 18' W.	59° 2' N.	ins. 29.832	44.3	43.1	43.7	40.0	48.5	15.4	Jan.	3rd	66.1	Sept.	3rd	in. .257	in. .251	in. .254	86.3	88.3	87.3
Laudale	14	5° 41' W.	56° 41' N.	—	—	—	—	39.9	51.6	18.4	Dec.	3rd	71.0	Aug.	12th	—	—	—	—	—	—
Glenalmond	529	3° 40' W.	56° 27' N.	—	—	—	—	36.0	48.5	10.0	Dec.	4th	74.0	Aug.	12th	—	—	—	—	—	—
Seaham	60	1° 19' W.	54° 50' N.	.897	45.9	43.5	44.7	39.1	50.6	11.8	{ Dec. 3rd } { Dec. 4th }	74.6	July	29th	.270	.260	.265	84.3	89.2	86.8	
Durham	335	1° 35' W.	54° 46' N.	.897	46.1	41.5	43.8	37.4	51.3	4.4	Dec.	4th	76.2	Aug.	12th	.272	.250	.261	83.3	89.9	86.6
Douglas	137	4° 30' W.	54° 10' N.	.900	46.5	44.4	45.5	40.2	50.6	18.0	Jan.	12th	67.0	Aug.	11th	.284	.275	.280	86.1	89.9	88.0
Hull	14	0° 20' W.	53° 45' N.	.932	45.8	44.2	45.0	39.7	52.5	10.0	Dec.	7th	77.8	July	28th	.276	.271	.274	86.2	89.6	87.9
Wakefield	96	1° 30' W.	53° 41' N.	.924	45.2	44.6	44.9	39.1	51.6	6.0	Dec.	7th	75.4	July	28th	.274	.273	.274	86.0	88.2	87.1
Kelstern	388	0° 7' W.	53° 24' N.	.937	44.2	42.0	43.1	37.8	50.3	8.2	Dec.	7th	75.9	July	30th	.269	.258	.264	86.9	91.0	88.9
Llandudno	88	3° 50' W.	53° 20' N.	.919	47.6	46.4	47.0	42.6	51.7	19.1	Jan.	11th	75.2	Aug.	12th	.284	.279	.282	82.3	84.7	83.5
Buxton	987	1° 54' W.	53° 14' N.	.954	42.7	41.3	42.0	36.1	48.8	-3.8	Dec.	7th	71.9	Aug.	12th	.252	.246	.249	86.9	88.9	87.9
Cheadle	646	1° 57' W.	52° 58' N.	.938	43.1	42.8	42.9	38.2	49.7	17.3	Jan.	11th	74.1	Aug.	12th	.257	.257	.257	88.1	89.6	88.9
Hillington	88	0° 53' E.	52° 48' N.	.931	46.4	43.1	44.8	38.2	52.4	5.2	Dec.	7th	80.2	July	29th	.291	.274	.282	86.1	91.3	88.7
Leicester	237	1° 8' W.	52° 39' N.	.934	45.7	45.1	45.4	39.5	51.6	5.0	Dec.	2nd	75.6	July	29th	.268	.271	.270	82.9	85.9	84.4
Uppingham	484	0° 44' W.	52° 35' N.	.937	44.7	42.9	43.8	38.5	51.2	15.5	Dec.	2nd	77.2	Aug.	12th	.276	.266	.271	87.6	90.2	88.9
Oscott	460	1° 51' W.	52° 33' N.	.937	44.4	43.6	44.0	38.8	51.3	7.1	Dec.	7th	75.8	Aug.	12th	.270	.267	.269	86.5	88.6	87.6
Churchstoke	548	3° 5' W.	52° 31' N.	.958	44.3	43.6	44.0	38.3	50.9	12.8	Jan.	11th	73.5	July	28th	.263	.264	.264	84.9	87.7	86.3
Audley End	154	0° 13' E.	52° 1' N.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cheltenham	184	2° 3' W.	51° 54' N.	.946	46.2	44.5	45.4	38.5	52.3	11.2	Dec.	1st	77.1	Aug.	12th	.287	.278	.283	86.3	89.7	88.0
St. David's	188	5° 16' W.	51° 53' N.	.930	47.6	46.2	46.9	42.9	51.7	20.4	Jan.	11th	72.4	Aug.	12th	.294	.292	.293	85.7	89.7	87.7
Carmarthen	188	4° 18' W.	51° 52' N.	.936	47.3	45.1	46.2	40.7	53.9	14.1	Jan.	11th	76.7	Aug.	12th	.290	.284	.287	85.1	90.1	87.6
Chigwell Row	186	0° 6' E.	51° 37' N.	.979	46.1	44.1	45.6	40.2	51.6	13.1	Dec.	7th	75.3	July	30th	.281	.276	.278	86.7	88.5	87.6
Marlborough	471	1° 43' W.	51° 25' N.	.967	45.2	43.7	44.5	39.2	52.7	13.4	Dec.	7th	77.5	{ July 29 } { Aug. 12 }	.275	.271	.273	85.9	89.9	87.9	
Strathfield Turgiss	195	1° 0' W.	51° 20' N.	.959	46.9	44.3	45.6	38.8	53.3	10.3	Dec.	7th	79.6	July	29th	.284	.273	.279	82.4	86.0	84.6
Ramsgate	105	1° 25' E.	51° 20' N.	.977	47.5	45.9	46.7	41.8	53.0	20.9	Dec.	7th	79.2	July	30th	—	—	—	—	—	—
Folkestone	159	1° 10' E.	51° 5' N.	.960	47.1	—	—	—	—	—	Dec.	17th	76.9	Aug.	13th	.297	—	—	86.1	—	—
Southampton	74	1° 24' W.	50° 55' N.	.957	46.8	45.6	46.2	41.4	52.6	16.1	Jan.	12th	77.0	{ July 29 } { Aug. 12 }	.295	.292	.294	86.0	89.4	87.7	
Hastings	172	0° 38' E.	50° 52' N.	.963	46.9	45.6	46.3	41.9	51.4	17.6	Dec.	17th	74.4	July	29th	.291	.285	.288	84.8	87.6	86.2
Dartmoor	1,359	3° 59' W.	50° 33' N.	.954	42.9	41.4	42.2	37.8	47.7	15.0	{ Jan. 11th } { Jan. 12th }	71.2	July	29th	.269	.263	.266	92.7	95.8	94.3	
Babbacombe	293	3° 31' W.	50° 29' N.	.956	48.1	45.9	47.0	42.4	53.4	19.1	Jan.	12th	71.1	Aug.	13th	.297	.285	.291	84.1	87.9	86.0
St. Aubin's	139	2° 10' W.	49° 11' N.	.999	50.2	48.2	49.2	44.7	54.3	22.7	Dec.	3rd	79.4	July	29th	.313	.303	.308	82.1	85.5	83.8
Londonderry	93	7° 19' W.	55° 0' N.	.897	46.1	45.0	45.6	40.9	50.7	16.0	Dec.	4th	73.0	Aug.	11th	.275	.277	.276	85.0	88.8	86.9
Colebrook	246	7° 22' W.	54° 21' N.	.841	44.2	44.0	44.1	38.5	51.2	8.8	Dec.	5th	83.4	July	30th	.266	.267	.267	88.5	89.9	89.2
Markree Castle	131	8° 27' W.	54° 11' N.	—	46.0	44.1	45.1	38.8	52.1	13.4	Jan.	12th	74.0	Aug.	11th	.274	.267	.271	84.7	88.5	86.6
Dublin	51	6° 15' W.	53° 20' N.	.923	47.2	46.7	47.0	42.4	52.2	21.2	Jan.	12th	73.6	July	28th	.278	.280	.279	82.1	84.5	83.3
Birr Castle	182	7° 55' W.	53° 6' N.	.924	46.2	44.8	45.5	39.6	53.1	9.8	Dec.	5th	73.5	Aug.	11th	.277	.276	.277	85.1	88.9	87.0

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

each Day, Local Time, at BRITISH STATIONS OF THE SECOND ORDER.  
1879.

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.	Name.	
6.9	6.7	6.8	ins. 32.480	ins. .720	{ July 1st } { Sept. 27th }	237	35	11	1	39	153	60	62	46	63	124	91	92	108	64	80	Sandwich.	
—	—	—	63.450	2.180	Sept. 1st	195	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Laudale.	
—	—	—	39.349	1.730	Feb. 16th	191	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Glenalmond.	
6.9	6.0	6.5	25.568	.960	June 7th	203	56	24	14	32	138	11	62	41	53	46	78	142	99	57	152	Seaham.	
7.3	6.2	6.8	23.624	.935	July 21st	189	55	14	16	38	165	1	53	81	62	47	139	132	84	95	37	Durham.*	
7.6	6.4	7.0	42.460	1.946	Jan. 12th	186	34	20	6	14	152	38	42	51	122	50	43	99	89	82	152	Douglas.	
7.4	6.3	6.9	25.197	1.000	June 7th	210	37	5	5	36	163	0	53	81	76	47	42	125	148	60	98	Hull.	
7.7	6.7	7.2	25.040	.950	June 7th	180	25	1	12	16	156	7	79	77	86	61	68	100	173	79	7	Wakefield.	
7.4	6.1	6.8	30.484	.900	July 21st	196	51	8	19	32	153	8	76	88	86	61	74	145	100	84	16	Kelstern.	
7.0	6.5	6.8	29.362	1.910	Aug. 16th	165	26	10	10	43	163	23	78	35	133	55	68	60	234	66	1	Llandudno.	
8.0	6.9	7.4	51.002	1.820	Dec. 31st	202	49	10	15	13	160	0	36	54	120	91	13	109	126	155	26	Buxton.	
7.8	6.3	7.1	36.830	1.640	Aug. 17th	182	48	20	22	27	167	61	74	64	111	59	75	103	68	102	74	Cheadle.	
7.8	7.0	7.4	30.713	1.200	July 21st	188	56	14	26	20	188	5	39	113	64	109	42	201	58	100	4	Hillington.	
8.6	7.2	7.9	27.650	1.180	Aug. 2nd	210	42	5	10	17	222	1	43	152	37	41	40	247	46	47	77	Leicester.	
8.0	7.0	7.5	26.369	.818	Aug. 2nd	194	51	4	12	23	199	7	73	82	67	50	92	128	102	70	66	Uppingham.	
8.5	6.9	7.7	30.650	1.460	Aug. 2nd	194	55	9	19	21	220	18	82	122	68	33	108	139	75	67	36	Oscott.	
7.4	7.3	7.4	28.415	1.390	Aug. 16th	197	39	9	14	5	146	3	74	72	92	46	63	144	145	64	30	Churchstoke.	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Audley End.	
8.0	6.8	7.4	32.630	2.320	Aug. 16th	212	33	5	16	20	183	8	69	44	57	66	123	85	105	79	102	Cheltenham.	
7.1	6.4	6.8	41.189	2.285	Aug. 2nd	214	21	19	8	18	137	16	60	118	104	68	48	148	89	69	26	St. David's.	
7.3	6.6	7.0	49.780	1.530	June 30th	212	16	15	10	36	178	8	106	31	131	55	39	112	90	40	126	Carmarthen.	
8.2	6.8	7.5	30.250	1.290	Sept. 23rd	175	44	7	13	17	180	0	66	79	94	68	69	130	71	77	67	Chigwell Row.	
7.9	6.6	7.3	38.977	1.480	Jan. 1st	201	34	6	6	31	201	0	50	80	51	12	27	138	59	33	280	Marlborough.	
7.7	6.9	7.3	34.488	1.608	Aug. 2nd	168	36	8	13	30	194	0	57	110	28	72	51	196	84	92	40	Strathfield Turgiss	
7.6	6.6	7.1	27.850	1.250	May 23rd	175	29	20	4	19	153	11	47	117	44	27	40	192	86	30	147	Ramsgate.	
7.4	6.9	7.2	28.275	1.240	June 2nd	184	29	15	14	29	175	30	99	74	113	30	87	147	111	51	18	Folkestone.	
8.1	6.5	7.3	36.385	1.425	Jan. 1st	181	26	7	7	34	197	4	43	150	48	64	39	208	59	42	27	Southampton.	
7.2	6.3	6.8	32.390	1.800	June 2nd	211	26	13	7	50	175	29	67	190	28	14	100	154	93	92	35	Hastings.	
7.8	7.4	7.6	85.860	2.890	June 30th	228	38	7	5	18	204	28	39	95	110	50	37	91	133	105	61	Dartmoor.	
7.3	6.6	7.0	41.020	1.530	June 30th	212	35	12	7	28	165	18	62	129	79	30	58	170	119	67	16	Babbacombe.	
7.4	6.2	6.8	30.776	1.000	Sept. 23rd	185	13	23	7	35	164	14	49	111	105	54	70	137	113	59	32	St. Aubin's.	
7.7	6.9	7.3	35.820	1.260	Sept. 7th	260	30	23	7	17	178	1	36	82	62	51	58	159	110	46	126	Londonderry.	
8.6	7.4	8.0	42.630	1.290	Aug. 15th	187	—	—	—	16	228	50	36	124	49	47	20	97	54	79	224	Colebrook.	
7.7	7.2	7.5	30.854	1.075	Sept. 7th	251	15	15	12	23	193	0	57	38	62	82	80	88	45	73	196	Markree Castle.	
6.9	6.5	6.7	28.858	1.615	Aug. 5th	208	32	48	8	21	132	21	47	50	91	80	46	97	200	76	43	Dublin.	
7.5	6.7	7.1	32.352	1.369	June 16th	242	10	8	2	32	177	9	55	47	28	84	113	132	73	77	121	Birr Castle.	



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LONDON:  
Printed by GEORGE E. B. EYRE and WILLIAM SPOTTISWOODE,  
Printers to the Queen's most Excellent Majesty.  
For Her Majesty's Stationery Office.  
[11349.—500.—7/82.]