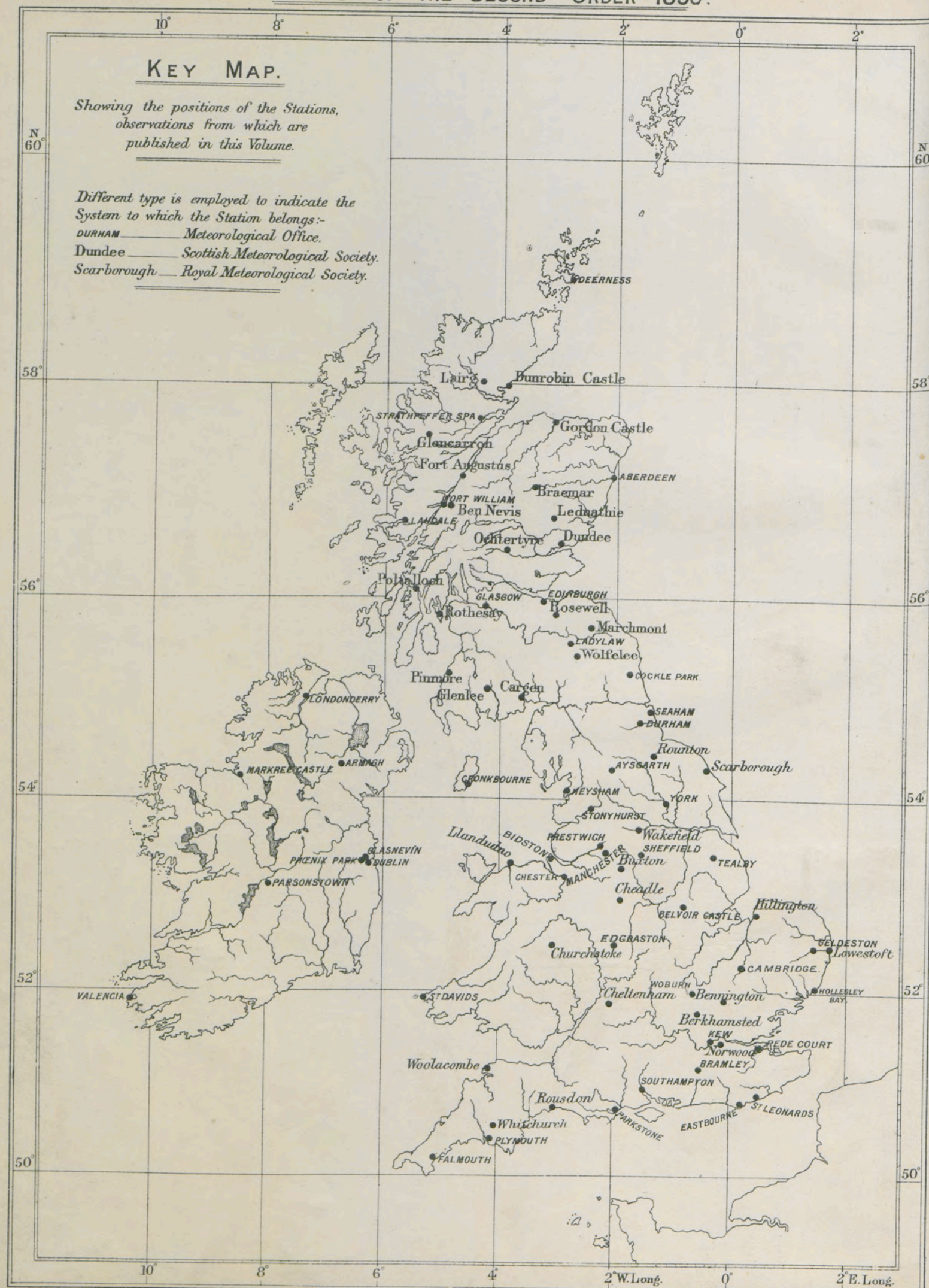


# STATIONS OF THE SECOND ORDER 1899.



Official, No. 156.

OFFICIAL COPY.

Room 2

## METEOROLOGICAL OBSERVATIONS

AT

### STATIONS OF THE SECOND ORDER

For the Year 1899.

With Frontispiece Map.

Published by Direction of the Meteorological Council.



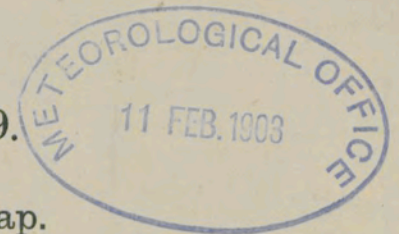
EDINBURGH:

PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE  
 By NEILL & CO., LIMITED, BELLEVUE.

And to be purchased, either directly or through any Bookseller, from  
 EYRE & SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; and  
 32 ABINGDON STREET, WESTMINSTER, S.W.; or  
 OLIVER & BOYD, EDINBURGH; or  
 E. PONSONBY, 116 GRAFTON STREET, DUBLIN.

1902.

Price Twenty-Two Shillings and Sixpence.





ERRATUM.

Page 56, Churchstoke :—

Mean Vapour Tension, at 9 p.m. For 37·8, read 378.  
Mean Humidity, at 9 p.m. „ 872, „ 87·2.

TABLE OF CONTENTS, 1899.

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

Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Aberdeen	—	—	—	—	—	—	—	—	—	—	—	—	130
Armagh	9	19	29	39	49	59	69	80	90	101	111	122	174
Aysgarth (Yorkshire)	—	—	—	—	—	—	—	—	—	—	—	—	146
Belvoir Castle	—	—	—	—	—	—	—	—	—	—	—	—	156
Ben Nevis	—	—	—	—	—	—	—	—	—	—	—	—	132
Bennington	—	—	—	—	—	—	—	—	—	—	—	—	162
Berkhamsted	—	—	—	—	—	—	—	—	—	—	—	—	164
Bidston (Liverpool)	—	—	—	—	—	—	—	—	—	—	—	—	152
Birmingham (Edgbaston)	—	—	—	—	—	—	—	—	—	—	—	—	160
Braemar	2	12	22	32	42	52	62	72	83	93	104	114	130
Bramley	—	—	—	—	—	—	—	—	—	—	—	—	166
Buxton	—	—	—	—	—	—	—	—	—	—	—	—	154
Cambridge	—	—	—	—	—	—	67	77	88	98	109	119	160
Cargen	—	—	—	—	—	—	—	—	—	—	—	—	142
Cheadle	—	—	—	—	—	—	—	—	—	—	—	—	156
Cheltenham	—	—	—	—	—	—	—	—	—	—	—	—	162
Chester	—	—	—	—	—	—	—	—	—	—	—	—	154
Churchstoke	6	16	26	36	46	56	66	77	87	98	108	119	158
Cockle Park (Morpeh)	—	—	—	—	—	—	—	—	—	—	—	—	140
Cronkbourne (Isle of Man)	5	15	25	35	45	55	65	75	86	96	107	117	146
Deerness (Orkney)	1	11	21	31	41	51	61	71	82	92	103	113	126
Dublin (Botanic Gardens)	—	—	—	—	—	—	—	—	—	—	—	—	176
„ (City)	—	—	—	—	—	—	—	—	—	—	—	—	176
„ (Phoenix Park)	10	20	30	40	50	60	70	81	91	102	112	123	176
Dundee	3	13	23	33	43	53	63	73	84	94	105	115	134
Dunrobin Castle	1	11	21	31	41	51	61	72	82	93	103	114	126
Durham	—	—	—	—	—	—	—	—	—	—	—	—	144
Eastbourne	—	—	—	—	—	—	—	—	—	—	—	—	170
Edgbaston (Birmingham)	—	—	—	—	—	—	—	—	—	—	—	—	160
Edinburgh	—	—	—	—	—	—	—	—	—	—	—	—	136
Falmouth	—	—	—	—	—	—	—	—	—	—	—	—	172
Fort Augustus	—	—	—	—	—	—	—	—	—	—	—	—	130
Fort William	—	—	—	—	—	—	—	—	—	—	—	—	132
Geldeston	—	—	—	—	—	—	—	—	—	—	—	—	158
Glasgow	3	13	23	33	43	53	63	74	84	95	105	116	136
Glasnevin (Dublin)	—	—	—	—	—	—	—	—	—	—	—	—	176
Glencarron	—	—	—	—	—	—	—	—	—	—	—	—	128
Glenlee	—	—	—	—	—	—	—	—	—	—	—	—	142
Gordon Castle	—	—	—	—	—	—	—	—	—	—	—	—	128
Heysham (Morecambe Bay)	—	—	—	—	—	—	—	—	—	—	—	—	148
Hillington	6	16	26	36	46	56	66	76	87	97	108	118	156
Hollesley Bay	—	—	—	—	—	—	—	—	—	—	—	—	160
Kew	—	—	—	—	—	—	—	—	—	—	—	—	164
Ladylaw	4	14	24	34	44	54	64	74	85	95	106	116	140
Lairg	—	—	—	—	—	—	—	—	—	—	—	—	126
Laudale	2	12	22	32	42	52	62	73	83	94	104	115	134
Lednathie	—	—	—	—	—	—	—	—	—	—	—	—	132
Llandudno	—	—	—	—	—	—	—	—	—	—	—	—	154
Londonderry	—	—	—	—	—	—	—	—	—	—	—	—	174
Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	158
Manchester (City)	—	—	—	—	—	—	—	—	—	—	—	—	150
Marchmont	—	—	—	—	—	—	—	—	—	—	—	—	138
Markree Castle (Sligo)	9	19	29	39	49	59	70	80	91	101	112	122	174
Morecambe Bay (Heysham)	—	—	—	—	—	—	—	—	—	—	—	—	148
Morpeth (Cockle Park)	—	—	—	—	—	—	—	—	—	—	—	—	140
Norwood	—	—	—	—	—	—	—	—	—	—	—	—	166
Ochertyre	—	—	—	—	—	—	—	—	—	—	—	—	134
Orkneys (Deerness)	1	11	21	31	41	51	61	72	82	93	103	114	126
Parkstone, near Bournemouth	—	—	—	—	—	—	—	—	—	—	—	—	170
Parsonstown	10	20	30	40	50	60	71	81	92	102	113	123	178
Pinnore	—	—	—	—	—	—	—	—	—	—	—	—	142
Plymouth	8	18	28	38	48	58	69	79	90	100	111	121	172
Poltalloch	—	—	—	—	—	—	—	—	—	—	—	—	136
Prestwich	—	—	—	—	—	—	—	—	—	—	—	—	150
Rede Court (Rochester)	—	—	—	—	—	—	—	—	—	—	—	—	166
Rosewell	—	—	—	—	—	—	—	—	—	—	—	—	138
Rothsay	—	—	—	—	—	—	—	—	—	—	—	—	138
Rounton	—	—	—	—	—	—	—	—	—	—	—	—	144
Rousdon	—	—	—	—	—	—	—	—	—	—	—	—	170
St David's	7	17	27	37	47	57	67	78	88	99	109	120	164
St Leonards	—	—	—	—	—	—	—	—	—	—	—	—	168
Scarborough	4	14	24	34	44	54	64	75	85	96	106	117	146
Seaham	—	—	—	—	—	—	—	—	—	—	—	—	144
Sheffield	—	—	—	—	—	—	—	—	—	—	—	—	152
Southampton	8	18	28	38	48	58	68	79	89	100	110	121	168
Stonyhurst	5	15	25	35	45	55	65	76	86	97	107	118	148
Strathpeffer Spa	—	—	—	—	—	—	—	—	—	—	—	—	128
Tealby	—	—	—	—	—	—	—	—	—	—	—	—	152
Valencia	—	—	—	—	—	—	—	—	—	—	—	—	178
Wakefield	—	—	—	—	—	—	—	—	—	—	—	—	150
Whitchurch	—	—	—	—	—	—	—	—	—	—	—	—	172
Woburn (Beds.)	—	—	—	—	—	—	—	—	—	—	—	—	162
Wolfelee	—	—	—	—	—	—	—	—	—	—	—	—	140
Woolacombe	7	17	27	37	47	57	68	78	89	99	110	120	168
York	—	—	—	—	—	—	—	—	—	—	—	—	148

ANNUAL SUMMARY FOR ALL STATIONS	PAGE
SUNSHINE TABLE	180-81
MAP OF STATIONS	182
	Frontispiece

N.—250—2/03. Wt. 31143/1066



## OBSERVATIONS

AT

### STATIONS OF THE SECOND ORDER, 1899.

#### Introduction.

RETURNS from 80 stations in the United Kingdom for the year 1899 are included in this volume. This is a decrease of one as compared with the previous year, three stations being omitted and two added.

The stations omitted are :—

Gilcrux, Cumberland, Lissan, Co. Tyrone, and Uppingham.

At Gilcrux the observations have been discontinued owing to the illness of the Observer. At Lissan the observations were interrupted owing to the death of Sir Nathaniel Staples, Bart. ; while at Uppingham the observations ceased owing to the retirement of Rev. G. H. Mullins, M.A., who had maintained a most excellent and valuable series of observations since 1876. At Londonderry Mr J. Conroy, F.R.Met. Soc., was obliged, owing to failing health, to discontinue the complete observations, though the climatological data (maximum and minimum temperatures and Rainfall, observed at 9 a.m. each day) were continued.

The stations added to the list are Cambridge and Wolfelee. The Cambridge Observatory had for many years (since 1872) furnished observations which were included in the Daily Weather Reports, but during 1899 there was a re-organization of the Telegraphic Reporting Stations, and the daily transmission of observations from certain stations, of which Cambridge was one, was stopped. It was then arranged with Sir Robert Ball, F.R.S., that Normal Climatological Returns should be furnished from the Observatory, and these for the months beginning with July are now included in this volume. The Wolfelee observations have been resumed as stated in the last volume, and they appear in the present volume in the form of Monthly Means and Summaries on Form B.

The changes in the A. list (of stations for which the detailed observations are printed) are, therefore, that Londonderry is removed from the list, and that Cambridge is added to it. From the B. list Gilcrux, Lissan, and Uppingham disappear, and Wolfelee is replaced.

The 80 stations are distributed as follows :—

26 are in Scotland,  
43 „ England,  
3 „ Wales,  
and 8 „ Ireland.

The names of the stations in each country, with the respective observers, are given in the following Table arranged alphabetically under the various counties ; but it must be observed that the Tables for the several stations follow the order of latitude as in previous volumes.



County.	Station.	Observer.
<b>SCOTLAND.</b>		
Aberdeen	Aberdeen - - -	Prof. C. Niven, M.A., F.R.S. (for the Meteorological Council).
	<i>S</i> Braemar - - -	James Aitken, J.P.
Argyll	Laudale - - -	A. Fletcher (for T. H. G. Newton, M.A., F.R.Met.Soc.).
	Poltalloch - - -	D. S. Melville (for Lord Malcolm of Poltalloch).
Ayr	Pinmore - - -	Peter Donald (for Captain Hamilton).
Banff	Gordon Castle - - -	C. Webster (for the Duke of Richmond and Gordon, K.G.).
Berwick	Marchmont - - -	John A. Wood.
Bute	Rothsay - - -	James Kay (for the Marquis of Bute).
Cromarty	Strathpeffer Spa - - -	J. Tregelles Fox, M.D.
Edinburgh	Edinburgh - - -	R. C. Mossman, F.R.S.E., F.R.Met.Soc.
	Rosewell - - -	R. B. Mitchell, M.D.
Forfar	Dundee - - -	J. Carnochan.
	Lednathie - - -	William Morrison (for P. Stormonth Darling).
Inverness	Ben Nevis - - -	R. T. Omond, F.R.S.E. (for Directors Ben Nevis Observatory).
	Fort Augustus - - -	Rev. J. Martin Wall (The Monastery).
	Fort William - - -	R. T. Omond, F.R.S.E. (for the Meteorological Council).
Kirkcudbright	Cargen - - -	Alexander Peacock.
	Glenlee - - -	W. Melville.
Lanark	Glasgow - - -	Prof. L. Becker, Ph.D.
Orkney	Deerness - - -	M. Spence.
Perth	Ochertyre - - -	George Croucher (for Sir Patrick Keith Murray, Bart.).
Ross	Glencarron - - -	D. D. Munro.
Roxburgh	Ladylaw - - -	Thomas Wilson.
	Wolfelee - - -	William Gordon (for Major Elliot).
Sutherland	Dunrobin Castle - - -	D. Melville (for the Duke of Sutherland, K.G.).
	Lairg - - -	Rev. D. Macrae.
<b>ENGLAND.</b>		
Bedford	Woburn Farm - - -	Harold H. Mann, B.Sc.
Cambridge	Cambridge - - -	Miss A. Walker (for Sir Robert Ball, F.R.S.).
Cheshire	Bidston (Liverpool) - - -	W. E. Plummer, F.R.A.S.
	Chester - - -	Rev. J. Cairns Mitchell, B.D.
Cornwall	Falmouth - - -	E. Kitto, F.R.Met.Soc. (for the Meteorological Council).
Derby	<i>M</i> Buxton - - -	W. Pilkington.
Devon	Plymouth - - -	H. Victor Prigg, C.E. (for the Corporation).
	<i>M</i> Rousdon - - -	The late Sir C. E. Peek, Bart., M.A., J.P., F.R.A.S., F.R.Met.Soc.
	<i>M</i> Whitchurch - - -	E. E. Glyde, F.R.Met.Soc.
	<i>M</i> Woolacombe - - -	Edward Henshall, A.M.I.C.E., F.R.Met.Soc.
	Parkstone - - -	R. Hawkesworth Barnes, B.A., F.R.Met.Soc.
Dorset	Durham - - -	H. J. Carpenter, F.R.A.S., and F. C. H. Carpenter (for Prof. Sampson, M.A.).
Durham	Seaham - - -	G. H. Aird.
Gloucester	<i>M</i> Cheltenham - - -	R. Tyrer, B.A., F.R.Met.Soc.
Hampshire	Southampton - - -	J. T. Cook (for the Director-General of Survey).
Hertford	<i>M</i> Bennington - - -	Rev. J. D. Parker, LL.D., F.R.Met.Soc.
	<i>M</i> Berkhamsted - - -	E. Mawley, F.R.H.S., F.R.Met.Soc.
Kent	Rede Court (Rochester) - - -	W. Harold Tingey, B.A.
Lancashire	Heysham (Morecambe Bay) - - -	S. Lomas (for Miss L. Grafton).
	Manchester (City) - - -	James Niven, M.A., M.B. (for the Corporation).
	Prestwich - - -	T. R. H. Chunn, M.D., F.R.Met.Soc.
	Stonyhurst College - - -	Rev. W. Sidgreaves, S.J.
Leicester	Belvoir Castle (Grantham) - - -	W. H. Divers (for the Duke of Rutland, K.G.).
Lincoln	Tealby - - -	Rev. S. Lewin, B.A.
Norfolk	Geldeston - - -	E. T. Dowson, F.R.Met.Soc.
	<i>M</i> Hillington - - -	Rev. H. E. B. Ffolkes, M.A., F.R.Met.Soc.
Northumberland	Cockle Park (Morpeeth) - - -	George P. Berry and Tom. V. Steele.
Stafford	<i>M</i> Cheadle - - -	J. C. Philips, J.P.
Suffolk	Hollesley Bay - - -	Prof. C. G. Freer Thonger, M.R.A.C., F.C.S.

County.	Station.	Observer.
<b>ENGLAND—cont.</b>		
Suffolk	<i>M</i> Lowestoft - - -	S. H. Miller, F.R.A.S., F.R.Met.Soc.
Surrey	Bramley - - -	James Bartlett, M.A.
	Kew - - -	The National Physical Laboratory (for the Meteorological Council).
	<i>M</i> Norwood - - -	W. Marriott, F.R.Met.Soc.
Sussex	Eastbourne - - -	R. Sheward, F.R.Met.Soc. (for the Corporation).
	St Leonards - - -	H. Colborne, M.R.C.S. (for the Corporation).
Warwick	Birmingham (Edgbaston) - - -	Alfred Cresswell (for the Midland Institute).
Yorkshire	Aysgarth - - -	Rev. Fenwick W. Stow, M.A., F.R.Met.Soc.
	<i>M</i> Rounton - - -	Sir I. Lowthian Bell, F.R.S., F.R.Met.Soc.
	<i>M</i> Scarborough - - -	E. W. Ellerbeck, F.R.A.S. (for the Corporation).
	Sheffield (Weston Pk. Museum) - - -	Elijah Howarth, F.R.A.S.
	<i>M</i> Wakefield - - -	A. Clyde.
	York - - -	H. M. Platnauer, B.Sc., F.G.S. (for the Yorkshire Phil.Soc.).
<b>ISLANDS.</b>		
Isle of Man	Cronkbourne (Douglas) - - -	A. W. Moore, M.A., J.P., F.R.Met.Soc.
<b>WALES.</b>		
Carnarvon	<i>M</i> Llandudno - - -	W. Little (for the Corporation).
Montgomery	<i>M</i> Churchstoke - - -	P. Wright, F.C.S., F.R.Met.Soc.
Pembroke	St David's - - -	W. P. Probert, LL.D., F.G.S., F.R.Met.Soc.
<b>IRELAND.</b>		
Armagh	Armagh - - -	J. L. E. Dreyer, Ph.D., F.R.A.S.
Dublin	Dublin (City) - - -	Sir John W. Moore, M.D., F.R.Met.Soc.
	Dublin (Phoenix Park) - - -	Serg. Blight, R.E., and Corpl. Blackmore, R.E. (for Col. Hellard, R.E.).
	Glasnevin (Botanic Gardens) - - -	F. W. Moore, M.R.I.A.
Kerry	Valencia - - -	J. E. Cullum, F.R.Met.Soc. (for the Meteorological Council).
King's Co.	Parsonstown (Birr Castle) - - -	O. Boeddicker, Ph.D. (for the Earl of Rosse, K.P., F.R.S.).
Londonderry	Londonderry - - -	J. Conroy, F.R.Met.Soc.
Sligo	Markree Castle - - -	E. Reynolds and F. W. Henkel, B.A. (for the late Colonel Cooper, F.R.A.S.).

The stations in the above list marked "*S*" are in connexion with the Scottish Meteorological Society, and those marked "*M*" with the Royal Meteorological Society. By an arrangement made some years ago, the monthly schedules received from the observers at these stations are examined and checked in the offices of the respective Societies, where also the requisite reductions are completed and the results prepared for publication.

The map issued as a frontispiece to this volume indicates the approximate position of each of the stations enumerated above; the latitude and longitude in each case are given in the headings of the Tables.

As in previous volumes, the publication is essentially in two parts.

In Part I. detailed observations at 9 a.m. and 9 p.m. each day are given *in extenso* for 21 carefully selected stations. These stations have been selected mainly as representative of the whole country. Regard has, however, been had in their selection to the prospect of the station being permanent.

The stations for which detailed observations are given are indicated in the list by



heavier type, thus—**Deerness**, and as regards them, the list for 1899 is the same as that for 1898 except that, as already mentioned, Cambridge is substituted for Londonderry.

Part II. contains the Monthly Results for all stations, including the Monthly Sums and Means already given in Part I.

The Forms in which the results are tabulated are nearly identical with those adopted by the Meteorological Congress at Rome in 1879 for International use, and known as the International Forms A. and B. They differ from the International Forms in the following particulars:—they include columns showing the differences between the readings of the dry-bulb and the wet-bulb thermometers under the heading “Dep. of Wet” (Depression of Wet-bulb), in addition to those giving the Vapour Tension and the Relative Humidity; and additional details of the heights of the instruments are given.

Moreover, in pursuance of the recommendation of the International Meteorological Conference that met in Munich in August 1891, the correction to be applied to the barometer readings, as printed, in order to allow for the difference of Gravity at the station from that at Latitude  $45^\circ$ , is now inserted, as in the volumes for 1889–1898, at the head of the Tables as “Gravity Correction.”

It will be noticed that in the list of stations there are included, as in the years 1886–1898, the Observatories, or Stations of the First Order, in connexion with the Meteorological Office. Although the results from these stations, five in number, are already published in detail, abstracts based on two observations daily are included in the present volume in order to make the representation of the meteorology of the United Kingdom as complete as possible.

#### *Hours of Observation.*

The hours of observation were, as before, 9 a.m. and 9 p.m. local time at all the stations, excepting those marked **S**, and the five Observatories or Stations of the First Order. At these twenty-three stations Greenwich time was kept. The five observatories are Aberdeen, Fort William, Kew, Falmouth, and Valencia; and at these, while most of the instrumental observations were at 9 a.m. and 9 p.m. Greenwich time, the Cloud Amount was observed at 10 a.m. and 10 p.m., and the Rainfall at about 10 o'clock a.m.

#### *Instruments.*

The instruments in use at the various stations are all of Standard pattern, and have been carefully verified. Only mercurial barometers are accepted, and care is taken, by periodical inspection and testing, to guard against the introduction of errors through the deterioration of the instruments.

#### *Heights of the Stations.*

The Heights above the Mean Sea Level have been determined by levelling from the nearest Bench Mark, or in some other reliable manner.

That given as the height of the station is commonly the height of the ground on which the Rain-gauge stands, which is in almost every case the same, approximately, as that on which the thermometer screen is placed.

The height given as that of the Barometer above Ground, when applied to the Height

above Mean Sea Level, will accurately give the height of the barometer cistern above the Mean Sea Level.

In the volumes up to and including 1885, the heights given for the Irish stations above Mean Sea Level are in reality the heights of those stations above the datum level of the Irish Ordnance Survey, which is mean low-water mark, and which is 7 feet lower than the ordnance datum for Great Britain. In the present volume the heights of all the stations are referred to the Mean Sea Level.

#### *Methods of Reduction, etc.*

##### *Barometer.*

The readings, as printed, are the readings of the barometer at 9 a.m. and at 9 p.m., after correction for instrumental errors, and reduction to the temperature of  $32^\circ$  Fahrenheit.

In some preceding volumes the readings were reduced to the Mean Sea Level before publication, but in this volume, as in those from 1886, the correction for height has not been applied, and the values stand therefore at Station Level. From the heading of each Table the height of the barometer cistern above the Mean Sea Level can be obtained.

As in the volumes from 1883, the individual barometer readings have been printed to the nearest second place of decimals only. The monthly means are, however, given to the third place of decimals as heretofore, and these monthly means having been obtained from the original readings, to three figures, they will be found occasionally to differ by .001 inch from the arithmetical mean of the printed daily readings. When any such difference occurs, the mean, as printed, may be taken as that which is nearer the truth.

The Tables used in the reduction of the barometer readings to  $32^\circ$  Fahrenheit are those given in the “Instructions in the Use of Meteorological Instruments,” London, 1892.

The Monthly Mean Pressure in Part II. has been obtained by adding together the means for 9 a.m. and 9 p.m., and dividing the result by 2.

##### *Temperature.*

The observations of temperature have all been corrected for the errors of the thermometers.

In accordance with the decision of the Meteorological Congress at Vienna, in 1873, to the effect “that the maximum and minimum should be noted at the last observation of the evening, and entered on the day on which they are taken,” the maximum and minimum thermometers have been read and set at 9 p.m. each day, and the readings entered to the same day.

The Mean Temperature in Part II. is based upon the 9 a.m. and 9 p.m. readings of the dry-bulb thermometer, without taking into account the minima and maxima, the means of which are, however, given for each month.



The extreme readings of the maximum and minimum thermometers for each month in Part I., and for the year in Part II., are printed in heavier type.

### Hygrometry.

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

In Relative Humidity, complete saturation is represented by 100.

The Monthly Means of the Depression of the Wet-bulb, the Vapour Tension, and Relative Humidity, printed in Part II., are in most cases the averages of the daily values. For some stations, however, the monthly averages of the dry-bulb and wet-bulb temperatures have been used for obtaining these values, and in these cases the percentages of the humidity have been given in whole numbers instead of to the first place of decimals. The mean "Depression of Wet-bulb" is given for all the stations.

### Wind.

The Wind Direction is *true*, as distinguished from magnetic or compass directions.

Wind Force is estimated by Beaufort's Scale (except at the stations marked "S") as follows:—

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

At most of the stations the Force of the Wind is estimated by the observer, but at four stations, namely:—

Deerness,  
Glasgow,

Stonyhurst, and  
Armagh,

Robinson Cup Anemometers of the Standard size and pattern are employed, and the velocity of the wind, as shown by the daily curves, is translated into Force by Beaufort's Scale, by the Table found in "Instructions in the Use of Meteorological Instruments," London, 1892.

At the stations in connexion with the Scottish Meteorological Society (marked "S" in the list on page vi.), the scale employed in estimating the Force of the Wind is that known as the Land Scale. Under this scale 0 indicates calm, and 6 indicates the strongest wind, and the entries under this head at these stations have therefore been multiplied by 2 to make them fairly comparable with observations under the Beaufort Scale.

### Cloud.

The Cloud Amount is estimated by a scale in which 0 represents clear sky and 10 represents completely overcast. No account is taken under this heading of the *Form* of the clouds visible at the time of observation.

### Rainfall.

The Rainfall is measured each day at 9 a.m., except at the observatories where the hour is about 10 a.m., the exact time being governed by the hour for the changing the papers on the self-registering Rain-gauges.

These stations are seven in number: namely, the five already mentioned on page viii, together with Glasgow and Stonyhurst.

The amounts measured each morning are entered to the *preceding* day. At some stations the Rainfall Amounts have been measured to the third place of decimals, and where this is the case, the amounts as measured have been printed.

The maximum fall for the month is printed in heavier type in Part I., and the maximum fall for the year, with the day on which it occurred, is also printed in heavier type in Part II.

### Remarks.

The entries under this heading are a transcript of the notes as to the weather, etc. made by the observers on the monthly schedules; or, if these notes are too numerous to be inserted in full, a selection of the most important of them has been given.

The following symbols, which have been adopted by international agreement, are used in the "Remarks" columns:—

Rain - - - - ●	Hoar-frost - - - - [	‡Solar Corona - - - - ○
Snow - - - - *	Dew - - - - ]	‡Solar Halo - - - - ⊕
*Snow lying - - - - ☒	†Silver-thaw ("Rauh-frost," "Duft") - - - - V	‡Lunar Corona - - - - ⊙
Snow Drift - - - - †	Glazed Frost ("Glatteis") - - - - T	‡Lunar Halo - - - - ⊕
Hail - - - - ▲	Thunderstorm - - - - T	Rainbow - - - - (
Soft-Hail ("Graupel") - - - - △	Thunder without Lightning - - - - T	Aurora - - - - M
Ice Crystals - - - - ←	Lightning without Thunder - - - - >	Dust Haze ("Höhenrauch") - - - - ∞
Mist, Fog - - - - ☼	Strong Wind - - - - ↗	

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., ●<sup>0</sup> slight Rain.

●<sup>2</sup> heavy Rain.

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

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

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

Figures printed in *italic type* are interpolations adopted in the absence of the usual data. They have been obtained by careful comparison of the returns from adjacent stations, and have been used in calculating the monthly means.

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

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

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



*Weather Summaries.**Days of Rain.*

In some earlier volumes the decision of the Vienna Congress that the days of precipitation, irrespective of amount, should be counted as the number of days of rain, has been literally observed; but since the common practice of British Meteorologists has been to take .01 inch (.005 inch in those cases where the rainfall was observed to thousandths of an inch) as the minimum for a rainy day, and as, moreover, many observers do not record closer than to hundredths of an inch, it has been deemed desirable to adopt this as the lower limit. In this volume, therefore, as in that for 1881 and subsequent years, a day of rain must be understood as one on which .01 inch (or .005 inch, as explained above) of rain was measured on the morning of the following day. As in previous years, no regard is had to the form of the precipitation, those days on which snow, hail, etc. fell being all included in the number of days of rain.

*Days of Snow.*

In counting days of snow, no regard is had to the *amount* which fell. Every day on which snow was observed, even though it was so small in quantity as to yield no measurable amount in the rain-gauge, has been counted as a day of snow.

*Days of Hail.*

The same method as is detailed above with regard to snow has been followed in counting days of hail. Every day on which hail was reported, whether much or little, has been counted as a day of hail.

*Days of Thunderstorm.*

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

*Days of Clear Sky.*

The days of clear sky are those days when the average cloud amount (Scale 0–10), as observed at 9 a.m. and at 9 p.m., is *less* than 2.

*Days of Overcast Sky.*

Similarly the days of overcast sky are those days when the cloud amount (Scale 0–10), as observed at 9 a.m., being added to that observed at 9 p.m., and the sum being divided by 2, the result is *more* than 8.

*Days of Gale.*

The days of gale are those days when force 7 or upwards, Beaufort's Scale (or its equivalent velocity of 37 miles per hour [Factor 3] on a Standard size Robinson Cup Anemometer), was recorded at any time during the day.

It must be observed, however, that while the period covered by a day of rain is the 24 hours ending at 9 a.m. (or 10 a.m.) on the following day, the days of snow, hail, thunderstorm, and gale, are the civil days ending at midnight.

*Wind Summaries.*

The Wind Summaries show the number of times that the wind was reported under each of the 8 points, N., NE., E., SE., S., SW., W., NW., and calm; and the rule followed in their preparation has been to take such directions as S. by E., SE. by E., etc. as S., SE., etc.; while those under the intermediate points, as NNE., have been alternately thrown forward to NE. and backward to N.

No account has been taken of the *force* of the wind in preparing the Wind Summaries.

It must be observed, however, that for some of the stations in connexion with the Scottish Meteorological Society, a slightly different plan has been followed, under which directions between and including ENE. to ESE. have been counted as E., SSE. to SSW. as S., and so on.

*Part III.—Annual Summary.*

On pages 180–181 will be found 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.

In this Summary the stations are arranged in the same order as in Part II., namely, according to latitude, but starting afresh for the Irish stations.

*Part IV.—Sunshine.*

On page 182 is given a Table showing the number of hours of Bright Sunshine at those stations which are supplied with Sunshine Recorders, together with the percentage of its possible duration.

The form of instrument in most general use is that known as the Campbell-Stokes' Burning Recorder, but at some of the stations Jordan's Photographic Recorder is employed.

In four cases the Sunshine Records at other stations not far off, and having practically the same exposure, have been inserted in order to make this Table as complete as possible. These are Aspley Guise as representing Woburn; Hoylake as representing Bidston; St Ann's Head as representing St David's, Pembroke; and Wallington, Surrey, as representing Norwood.

Of the observations which have been used in the compilation of this volume, some have been derived from public observatories, and others from establishments maintained by local municipal authorities, but the greater number are the work of voluntary and unpaid observers. The Council desire to record their thanks for the assistance which has thus been afforded to them in the compilation of appropriate Meteorological records for the United Kingdom, and their appreciation of the unremitting care and attention which the fulfilment of the duties of an observer demands.

METEOROLOGICAL OFFICE,  
63, VICTORIA STREET, S.W.,  
1902.



## DEERNESS.—JANUARY 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
	ins.	ins.	°	°	°	°	°	in.	%	%					ins.	
1	28.96	28.73	41.7	40.8	38.3	43.6	1.7	1.7	228	87	SE 9	ESE 9	10	10	.44	all day.
2	28.64	29.10	42.0	39.1	37.9	43.7	2.3	2.4	220	83	ESE 9	ESE 5	10	10	.13	a. showers p. Rough sea.
3	29.44	.18	40.0	42.0	36.2	42.0	2.2	1.7	203	82	S 5	S 7	7	9	.07	showers.
4	.49	.07	38.0	43.3	36.4	43.6	1.4	3.3	201	88	SSW 2	SbyW 6	9	5	.10	showers.
5	.55	.93	38.8	36.3	33.7	46.8	5.1	2.3	147	62	W 5	WbyN 3	2	0	.14	(77 miles per hour 2a.). ▲ p.
6	.82	.64	41.2	37.2	33.5	45.8	3.2	1.7	196	76	SSE 8	SWbyS 4	10	0	.07	showers till 6p.
7	.66	.58	37.0	39.1	34.3	39.1	2.8	3.3	168	77	SWbyS 2	WSW 3	0	0	—	Very fine.
8	.54	.42	43.2	44.1	38.3	44.8	1.2	0.7	253	90	S 4	SE 4	9	10	.77	showers a. from 7p.
9	29.08	29.03	45.2	43.0	40.0	46.0	0.4	1.5	292	97	S 5	S 2	10	6	.035	Dull a. Mild p.
10	28.82	28.85	41.8	41.2	38.7	44.6	0.8	1.4	247	94	S 2	S 2	1	9	—	Mild all day.
11	.94	.97	40.0	36.5	35.4	41.8	2.6	1.5	196	79	SW 3	SW 1	1	0	—	⊕ 11a. Very fine and mild.
12	28.77	.83	37.0	36.3	34.3	40.3	1.0	0.7	200	91	S 2	SW 2	0	1	.04	
13	29.07	28.92	38.0	41.2	35.7	41.8	1.6	2.2	197	86	W 5	W 7	3	2	.15	Dull with showers. < p.
14	.32	29.25	37.1	40.7	35.0	42.0	1.3	2.7	195	88	W 3	SW 8	1	2	.20	Parhelia noon. showers p.
15	29.43	.10	33.1	33.0	32.2	42.0	1.9	0.5	150	79	NW 1	W 1	1	10	.67	from 4p.
16	28.72	.00	33.5	36.0	30.0	37.6	1.7	3.0	158	82	N 7	NNW 9	10	5	.15	Keen frost all day.
17	29.38	29.54	29.8	30.0	27.0	37.0	0.8	2.0	144	86	NNW 9	NNW 9	1	1	.05	showers a.
18	29.33	28.81	37.3	41.5	29.0	42.2	2.3	0.0	179	262	SSE 6	SE 2	10	10	.65	Thaw, with 9a.-9p.
19	28.83	28.85	39.7	40.3	37.8	42.8	0.9	1.7	225	92	W 3	W 4	10	8	.03	Snow all gone.
20	.93	29.13	40.7	38.8	37.0	41.3	1.2	1.6	220	90	NW 3	NE 6	3	9	.04	Fine day.
21	28.92	28.90	37.3	37.3	34.7	40.0	1.2	1.5	199	90	NE 9	NE 4	10	10	.225	till 7p.
22	29.00	29.32	38.0	35.2	33.8	38.8	4.0	3.2	157	68	NE 7	NNE 6	9	5	.07	Bitterly cold all day.
23	29.68	29.98	32.0	33.3	31.0	36.3	0.6	0.5	167	92	NNE 3	NNE 1	2	0	—	till 6a., then fine.
24	30.11	30.26	35.5	37.1	32.0	38.3	0.5	1.1	199	96	NNE 2	SSW 1	7	0	—	Very fine.
25	.31	.32	37.0	38.0	35.0	38.3	2.0	4.2	182	83	SSW 3	S 6	0	0	—	Very fine all day.
26	.38	.32	36.0	37.0	34.0	39.5	2.5	3.0	167	78	SW 2	SSW 1	8	2	—	Fine day.
27	.27	.26	36.6	41.0	34.0	41.0	3.3	2.0	158	72	SW 2	WNW 2	9	10	—	
28	.18	30.08	41.0	42.4	38.2	43.0	2.0	1.2	215	84	W 1	NNW 4	10	9	—	
29	30.02	29.99	41.2	40.0	39.3	44.0	1.2	1.2	233	91	NNW 2	NWbyN 1	7	10	.06	showers.
30	29.86	.76	39.2	39.3	37.7	42.0	0.5	0.8	230	96	NWbyW 1	Calm 0	9	10	.20	Overcast and mild.
31	29.44	29.36	40.0	36.0	35.0	40.8	0.8	3.3	230	94	WNW 4	N 4	10	3	.04	showers from 2p.
Mean	29.415	29.403	38.4	38.6	35.0	41.6	1.8	1.9	199	85.0	4.2	3.8	6.1	5.4	4.33	

## DUNROBIN CASTLE.—JANUARY 1899.

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

1	29.05	28.79	35.0	40.0	34.0	41.0	1.0	2.0	184	207	90	84	W	W	—	—	.03	Dull and blowy.
2	28.69	29.30	41.5	42.0	40.0	42.0	1.5	2.0	230	225	88	85	E	E	—	—	.26	High sea.
3	29.60	.50	35.8	41.0	35.0	42.2	0.3	2.0	203	215	98	84	NW	W	—	—	.10	Fine and mild. showers p.
4	.65	29.33	36.0	39.2	35.0	43.0	1.0	1.2	193	216	91	90	W	E	—	—	.20	Dull and mild a. Blowy p.
5	.85	30.16	31.8	33.0	31.0	41.0	1.8	2.0	139	147	77	78	W	E	—	—	.12	(sleet) showers.
6	.86	29.86	40.8	34.8	29.0	41.0	4.8	0.8	166	186	65	92	SW	W	—	—	—	Dull a. Blowy p.
7	.83	.69	29.5	41.0	29.0	42.2	1.5	2.0	123	215	75	84	W	E	—	—	—	Clear and frosty a. Milder p.
8	.63	.50	42.0	44.0	41.0	48.0	0.5	1.0	256	265	96	92	E	E	—	—	—	Dull day.
9	29.29	.14	43.0	42.0	39.0	47.0	1.2	3.0	251	207	90	78	W	E	—	—	—	Fine and clear.
10	28.99	.11	42.0	39.0	38.0	46.0	4.0	2.0	190	199	72	84	E	E	—	—	—	Fine and clear.
11	29.11	.20	34.0	35.0	30.0	42.0	1.0	2.0	176	164	89	80	NW	W	—	—	—	Fine and clear p.
12	28.87	.16	34.0	36.8	30.0	38.2	1.0	3.0	176	151	89	69	NE	E	—	—	.30	a. p.
13	29.29	.30	35.0	40.0	35.0	41.2	1.0	2.0	184	207	90	84	W	E	—	—	.15	Dull, with showers.
14	.54	.55	35.2	36.8	34.0	42.8	0.4	4.8	198	136	96	62	W	W	—	—	.12	Dull, with showers p.
15	29.60	.16	33.5	34.8	31.0	42.2	0.7	0.8	177	151	92	64	W	E	—	—	.53	Dull, with showers p.
16	28.95	.37	33.5	34.0	31.0	38.0	1.0	2.0	171	156	89	79	E	E	—	—	—	showers.
17	29.67	.75	29.5	28.0	27.0	36.0	0.5	1.0	150	122	91	80	W	W	—	—	.15	showers.
18	.40	.03	34.5	38.5	26.0	39.2	0.5	1.3	190	207	95	89	SE	NW	—	—	.58	(sleet) a. and p.
19	.04	.05	36.2	38.0	35.0	43.0	0.7	0.8	201	212	94	93	W	W	—	—	—	
20	.20	.25	38.8	37.0	34.0	42.0	1.8	2.0	201	182	85	83	SE	W	—	—	.25	
21	.01	.05	40.0	39.0	36.0	41.0	2.0	1.0	207	218	84	92	E	E	—	—	1.80	a. and p.
22	.19	29.55	34.2	33.8	33.0	39.8	4.2	3.8	121	123	61	64	E	E	—	—	.13	Dull with showers.
23	29.86	30.20	33.2	31.0	29.0	39.0	1.2	2.0	165	127	87	72	W	W	—	—	—	showers.
24	30.30	.45	27.8	29.2	26.0	40.2	0.6	1.2	133	127	88	79	W	W	—	—	—	Clear and frosty.
25	.49	.49	29.0	36.0	26.0	38.0	1.0	4.0	130	142	82	66	NW	W	—	—	—	Clear and frosty.
26	.55	.50	32.0	31.0	28.0	41.0	0.8	3.0	162	107	89	62	NW	W	—	—	—	Clear and frosty.
27	.48	.46	26.5	33.5	25.0	40.0	1.3	2.0	106	152	72	79	NW	W	—	—	—	Clear and frosty.
28	.40	.27	33.8	39.0	29.0	49.0	1.8	1.0	158	218	81	92	E	NE	—	—	—	Clear and frosty.
29	.18	30.13	42.0	40.0	38.0	46.0	3.0	2.0	207	207	78	84	NE	E	—	—	.02	Dull day.
30	30.05	29.94	40.0	42.5	37.0	47.8	3.5	4.7	181	199	73	74	W	W	—	—	—	Fine day.
31	29.70	29.55	35.2	35.2	33.0	46.0	2.2	0.4	163	198	79	96	W	W	—	—	—	Dull and chilly.
Mean	29.591	29.605	35.3	36.9	32.4	42.1	1.5	2.0	177	180	84.7	80.5			—	—	4.24	



## BRAEMAR.—JANUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
							Dep. of Wet.		Vapour Tension.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.				
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.				
1	27° 94	27° 67	31° 6	33° 6	30° 3	35° 7	1° 1	0° 8	1° 53	1° 16	85	91	S	0° 5	SE	0° 5	10	9	20	Dull and dark.	
2	27° 51	28° 04	33° 6	34° 4	32° 4	37° 0	1° 1	0° 9	1° 10	1° 18	88	91	SE	1	SE	0° 5	7	10	20	Dull day.	
3	28° 45	30	34° 6	34° 9	31° 6	35° 6	1° 1	1° 1	1° 19	1° 18	90	90	SE	0° 5	SW	6	8	10	12	Dull and dark.	
4	30	31	34° 6	35° 7	33° 3	40° 1	0° 9	1° 2	1° 18	1° 81	92	89	S	0° 5	S	4	9	9	07	Dull and dark.	
5	30	31	33° 1	30° 7	27° 4	49° 0	1° 3	1° 2	1° 16	1° 42	85	82	SW	4	SW	0° 5	6	0	06	* showers.	
6	30	31	33° 6	33° 6	22° 8	36° 9	1° 4	1° 3	1° 16	1° 16	85	86	SW	2	SW	0° 5	6	0	09	* showers.	
7	30	31	35° 6	26° 4	14° 0	34° 0	1° 1	0° 9	0° 57	1° 15	66	81	SW	0° 5	SW	0° 5	7	10	02	Fair, a. * p.	
8	30	31	33° 6	35° 9	25° 3	39° 4	1° 1	0° 6	1° 17	1° 20	88	95	SW	0° 5	SW	0° 5	10	10	15	Dull and damp.	
9	28° 17	28° 02	41° 9	38° 8	35° 7	44° 1	2° 2	1° 0	2° 22	2° 17	86	92	SW	1	SW	1	6	10	01	☉ showers	
10	27° 86	27° 93	39° 6	36° 3	34° 4	41° 1	1° 1	2° 8	2° 21	1° 16	91	76	SW	2	SW	2	9	1	02	Dull and dark.	
11	27° 99	28° 01	31° 6	34° 6	30° 3	37° 0	2° 0	2° 4	1° 33	1° 55	74	77	SW	0° 5	SW	0° 5	5	3	—		
12	27° 74	27° 80	32° 6	34° 4	30° 3	35° 2	1° 1	2° 1	1° 16	1° 58	87	79	SE	0° 5	SW	1	10	10	10	Dull, with * all day.	
13	28° 21	28° 18	33° 8	35° 6	31° 0	36° 3	2° 1	2° 3	1° 52	1° 16	79	79	SW	1	SW	4	6	6	02	* showers.	
14	37	40	35° 0	35° 6	33° 0	38° 7	2° 5	2° 0	1° 56	1° 72	76	82	NW	0° 5	SW	2	5	0	06	* showers.	
15	28° 44	28	32° 9	33° 3	30° 2	36° 7	2° 0	2° 0	1° 46	1° 50	78	79	W	0° 5	N	0° 5	8	10	33	Dull, with *.	
16	27° 73	27	38° 4	30° 3	25° 8	38° 8	1° 9	1° 5	1° 19	1° 13	85	77	NW	2	NW	4	10	8	04	* (sleet) *.	
17	28° 53	28° 61	28° 4	25° 6	24° 0	33° 4	0° 9	1° 1	1° 19	1° 03	83	74	NW	2	NW	0° 5	6	7	06	Fair, but cold. ☐	
18	28° 27	27° 91	31° 9	40° 6	24° 4	41° 0	0° 4	1° 1	1° 12	1° 23	95	91	SW	2	SW	2	10	9	15	☉ showers a.	
19	27° 94	27° 94	38° 6	40° 0	35° 2	41° 0	1° 8	3° 2	1° 19	1° 18	85	75	SW	2	SW	6	6	4	06	Fair.	
20	28° 08	28° 13	37° 6	34° 8	31° 3	40° 4	2° 4	1° 5	1° 12	1° 20	80	85	SW	2	SW	1	6	8	12	Fair and clear.	
21	27° 82	27° 85	34° 6	36° 4	31° 7	38° 8	0° 8	0° 9	1° 15	1° 19	93	93	SE	0° 5	SW	0° 5	9	10	75	Dull day.	
22	27° 84	28° 27	34° 6	32° 6	31° 0	36° 7	0° 9	1° 4	1° 13	1° 55	92	84	E	1	NE	4	10	10	05	* (sleet) * all day.	
23	28° 67	28° 96	29° 6	28° 9	26° 0	34° 0	1° 1	1° 4	1° 15	1° 20	82	76	N	2	NW	0° 5	7	6	—	Clear and frosty.	
24	29° 14	29° 25	14° 2	16° 4	14° 2	30° 2	0° 7	0° 9	0° 63	1° 05	77	72	NW	0° 5	NW	0° 5	0	0	—	Clear and frosty.	
25	33	36	18° 1	27° 6	11° 7	32° 0	0° 6	1° 1	0° 79	1° 18	80	79	NW	0° 5	SW	4	0	2	—	Clear and frosty.	
26	40	31	25° 4	23° 4	22° 8	32° 7	0° 5	1° 9	1° 20	1° 08	88	55	SW	0° 5	SW	0° 5	7	4	—	Clear and frosty.	
27	31	24	11° 6	19° 9	9° 5	32° 8	0° 1	0° 6	0° 71	1° 08	97	81	SW	0° 5	SW	0° 5	5	7	—	Clear and frosty. ☐	
28	29° 20	29° 06	14° 9	29° 9	12° 8	30° 3	0° 4	0° 7	0° 74	1° 47	87	88	SW	0° 5	SW	0° 5	8	8	—	Dull and cloudy.	
29	28° 98	28° 91	35° 9	34° 9	28° 4	38° 9	1° 9	1° 3	1° 16	1° 17	83	88	SE	0° 5	SE	0° 5	7	9	—	Dull day.	
30	37	79	33° 6	32° 6	31° 0	35° 4	1° 4	1° 8	1° 16	1° 47	85	79	E	0° 5	NE	0° 5	8	8	—	Dull and cloudy.	
31	28° 54	28° 37	28° 2	33° 3	26° 0	36° 1	1° 7	1° 0	1° 07	1° 10	70	89	S	0° 5	NE	0° 5	6	6	—	Dull and cloudy.	
Mean	28° 432	28° 427	30° 8	32° 3	26° 7	37° 1	1° 3	1° 4	1° 150	1° 155	84° 3	82° 4	1° 1	1° 6	7° 0	6° 6	2° 68				

## LAUDALE.—JANUARY 1899.

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

1	29°03	28°70	41°0	40°3	37°0	41°6	2°5	2°5	2°06	2°00	81	80	S	5	E	3	10	10	09	Snow on hills. Squally with n.
2	28°55	29°16	39°0	35°7	33°5	40°7	2°5	2°3	1°90	1°67	81	79	E	4	SE	1	8	0	09	Snow on hills. a.
3	29°00	49	43°2	48°7	33°0	51°0	1°2	1°9	2°53	2°07	90	87	Calm	0	SW	7	10	10	26	(gale) * (sleet) from 2p.
4	64	29°57	41°5	41°7	37°0	49°9	1°5	2°7	2°30	2°09	89	80	SSW	2	NW	7	10	10	28	* early a. (gale) all day.
5	30	30°21	39°0	36°3	34°6	48°2	2°2	1°7	1°95	1°83	83	85	WNW	3	WNW	2	9	0	27	Squally (gale) a.
6	79	29°91	36°7	37°7	34°0	45°2	1°7	1°3	1°18	200	85	89	ESE	8	NNW	1	10	4	40	(gale) * (sleet) till 11 a.
7	81	61	36°2	41°0	36°0	43°7	2°2	2°0	1°73	215	81	84	ESE	2	SE	4	0	10	02	(gale) Heavy snow on hills.
8	68	39	44°8	48°0	40°7	48°3	2°9	1°0	2°33	309	78	93	S	4	S	5	10	10	26	Squally all day. p. [Squally p.
9	29°32	11	45°3	47°0	44°1	52°7	2°6	2°0	2°44	275	81	86	S	2	S	3	10	10	27	in afternoon.
10	28°97	09	44°0	41°8	37°0	47°6	2°3	3°8	2°38	191	82	73	S	2	S	2	10	8	25	* (sleet) a. and p.
11	29°14	19	38°0	38°2	35°7	42°0	1°0	1°2	2°08	206	91	90	S	2	NW	4	8	10	38	(gale) a. * (sleet) a. and p.
12	28°83	13	36°0	41°7	34°7	42°0	0°3	1°5	2°06	232	97	88	SE	5	NW	3	10	10	37	* (sleet) a. and p.
13	29°38	41	41°2	42°9	37°1	44°0	2°5	3°9	2°08	198	81	72	W	2	W	3	10	4	27	* (sleet) a. and p.
14	66	67	41°0	43°2	37°7	45°0	1°1	2°2	2°33	232	91	83	W	3	W	2	9	10	32	* showers a. * showers p.
15	29°06	13	38°0	48°0	34°7	48°2	1°4	1°2	2°01	304	88	92	S	1	W	5	10	10	75	* (sleet) a. then (gale) a.
16	28°90	37	45°7	36°8	33°5	48°9	1°9	3°8	2°64	151	87	69	NW	3	N	4	10	3	04	* (sleet) a. * showers p.
17	29°80	69	33°7	37°0	30°6	44°7	2°2	2°7	1°51	170	78	77	N	2	SE	4	2	1	52	* (sleet) a. p.
18	31	08	42°2	48°2	32°0	51°0	1°8	1°9	2°31	290	86	87	SSE	4	W	4	10	10	40	* (sleet) a. p.
19	09	11	44°4	45°4	40°0	48°9	1°6	2°0	2°56	258	88	86	W	2	W	4	10	10	72	Snow on hills. * showers p.
20	29°27	29°20	43°0	41°3	37°0	46°0	2°5	2°5	2°09	81	81	81	WNW	3	SSE	1	8	10	20	
21	28°90	28°90	43°3	47°3	38°7	47°8	1°6	1°5	2°46	289	88	90	SW	3	S	3	10	10	24	a. and p.
22	28°94	29°44	42°7	38°3	38°0	47°3	2°5	2°3	2°22	186	81	81	E	4	E	5	8	10	03	Squally * showers p.
23	29°93	30°21	33°7	29°0	28°7	44°2	3°7	2°0	1°24	106	64	67	NNE	2	N	1	5	0	—	* (sleet) a. Clear and frosty p.
24	30°35	44	33°0	36°0	27°7	39°7	2°0	2°3	1°47	170	78	80	ENE	2	E	2	2	0	—	a. Clear and frosty p.
25	50	54	37°2	37°5	31°0	38°0	2°2	2°5	1°80	178	81	79	SE	5	SE	6	7	3	—	a. (gale) a. and p.
26	68	59	37°7	37°0	35°4	39°6	2°5	1°6	1°79	189	79	86	SSE	4	SE	5	4	3	—	a. (gale) a. Large ☐.
27	54	49	32°7	29°8	27°5	37°2	1°5	2°1	1°54	113	83	68	ESE	3	Calm	0	2	0	—	a. ∞ p.
28	43	32	28°5	31°2	25°7	34°7	2°0	1°5	1°03	140	67	79	Calm	0	Calm	0	6	8	—	a. ∞ p.
29	23	14	36°0	32°0	30°0	40°6	1°3	1°3	1°18	151	88	83	Calm	0	Calm	0	7	3	—	a. and p.
30	30°09	30°01	35°0	36°0	28°7	40°7	1°4	1°8	1°74	179	86	84	Calm	0	Calm	0	10	10	—	a.
31	29°77	29°58	35°0	35°5	33°0	37°7	2°0	0°5	1°64	199	80	96	NE	1	Calm	0	10	10	01	a. * (sleet) at night.
Mean	29°600	29°608	39°0	39°7	34°3	44°4	2°0	2°0	2°00	206	83°0	82°4	2°7	2°9	7°9	6°7	6°44			

## DUNDEE.—JANUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	28°56	28°66	35°0	37°5	33°8	37°6	0°4	0°7	°196	°211	96	94	NW	1	SE	1	10	10	18	☁☁☁ <sup>0</sup> showers.
2	28°53	29°12	36°0	36°7	33°7	39°7	0°3	1°1	°206	°196	97	90	SE	1	NE	2	10	10	16	☁ n. and 4p. Dull day.
3	29°52	38	37°0	37°3	35°0	38°7	0°4	0°1	°212	°220	96	99	SW	1	SW	1	10	10	08	☁ n. and from 4p.
4	56	29°41	35°7	40°7	33°2	41°9	0°3	3°4	°203	°188	98	74	SW	1	SW	8	10	10	10	☁ n. and till 3p. (gale) from 7p.
5	73	30°10	37°3	35°1	33°2	41°6	1°2	2°0	°199	°165	90	80	W	6	NW	2	0	0	—	Fine day. ☁ 8p.
6	91	29°79	36°9	36°1	29°7	38°8	2°7	0°7	°170	°200	78	94	SE	4	SW	1	10	10	06	☁☁ (sleet) 11a.-noon.
7	70	34	30°5	39°3	27°9	39°9	0°6	0°4	°155	°233	91	97	S	1	NE	2	10	10	09	☁ from 2p.
8	49	38	40°2	43°0	38°4	43°4	0°4	0°1	°241	°275	96	99	E	2	E	2	10	10	13	☁ n. and during day.
9	29°22	29°02	44°0	42°7	41°6	45°4	0°4	0°1	°279	°272	97	99	SW	1	E	1	10	10	23	☁☁☁☁☁ from 3-30p.
10	28°89	28°99	41°9	38°3	37°3	43°8	0°8	1°2	°248	°207	94	90	S	4	W	2	10	10	07	Dull, with ☁☁



## LADYLAW.—JANUARY 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +026 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			9 p.m.	
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.		
2	28.64	28.31	35.2	34.7	31.6	37.8	0.9	1.0	188	182	91	91	NW	N	1	10	0.054	Overcast all day, with ☉.	
3	28.22	28.68	35.9	37.1	31.8	38.2	1.3	1.2	188	197	89	89	NW	W	2	6	7	—	Cloudy and raw.
4	29.25	29.13	35.2	38.0	31.4	38.8	1.2	1.2	182	204	88	89	SW	W	1	5	10	0.048	☉ at times.
5	28.32	28.34	37.4	40.2	34.6	47.8	1.1	3.5	202	182	91	73	SW	SW	2	10	6	0.088	☉ at times.
6	28.58	28.78	37.3	34.3	32.0	41.8	1.0	1.2	203	174	92	87	SW	W	1	7	0	0.014	☉ 11a.
7	28.62	28.52	35.2	36.2	28.8	40.8	0.9	0.6	188	202	91	94	NW	W	1	10	10	0.126	Overcast all day, with ☉.
8	28.38	28.21	31.9	35.0	29.8	37.4	2.5	0.1	126	202	70	99	Caln	Caln	0	10	10	0.068	Overcast and raw, with ☼ (mist).
9	29.16	29.03	36.3	46.2	33.6	46.2	0.2	1.8	210	272	98	88	Caln	NW	1	10	10	0.038	Overcast all day, with ☉.
10	28.95	28.69	46.1	46.6	43.0	49.8	1.5	1.0	277	294	89	93	SW	NW	1	10	10	—	Overcast all day.
11	28.59	28.70	43.2	34.7	33.8	46.6	0.6	0.9	266	184	95	92	SW	SW	1	10	0	0.208	☉ most of day.
12	28.81	28.82	35.0	34.3	32.0	42.2	1.4	0.7	176	184	86	93	SW	SW	1	6	2	0.152	☉ showers.
13	28.37	28.50	35.0	37.9	33.0	43.8	1.0	2.1	184	188	90	82	W	NW	1	10	10	0.214	☉ showers.
14	29.00	28.96	37.3	36.7	35.0	39.4	1.7	1.1	190	196	86	90	W	W	1	7	0	—	Bright day.
15	28.22	28.29	40.2	40.2	34.8	45.6	1.2	1.3	224	222	90	90	SW	SW	1	10	0	0.122	Bright all day.
16	29.19	28.81	41.0	40.4	35.6	47.2	1.4	1.2	227	226	89	91	W	W	1	10	10	0.294	Overcast all day.
17	28.59	28.83	42.0	31.3	29.6	48.2	1.7	1.4	231	143	87	81	SW	NW	2	6	4	0.146	☉ at times.
18	29.34	29.32	31.9	30.1	25.0	37.2	1.1	0.7	155	148	85	89	W	E	1	10	0	0.122	Clear and frosty.
19	29.02	28.72	35.0	49.7	28.8	50.2	0.2	1.8	200	312	98	88	Caln	NW	6	10	10	0.816	☉ early a. ☉ most of day.
20	28.74	28.80	44.2	42.8	40.6	50.0	1.4	1.5	259	243	89	88	SW	S	3	10	7	0.112	☉ at times.
21	28.91	28.79	41.1	44.0	39.2	44.8	1.3	1.1	230	263	89	91	S	SW	1	8	10	0.348	☉ showers.
22	28.51	28.52	49.2	45.2	42.0	50.0	0.9	1.6	327	264	94	88	SW	SW	1	10	10	0.294	Overcast all day.
23	28.52	28.89	43.2	38.2	36.4	45.8	0.9	1.3	260	204	82	89	SW	N	3	7	10	0.150	☉ at times.
24	29.39	29.73	34.2	29.7	28.4	38.8	1.0	1.3	178	130	89	79	NW	NW	1	6	0	—	Cloudy till 3p. Frost at night.
25	29.93	30.01	21.6	20.9	19.0	39.8	1.4	1.3	071	070	62	63	W	SW	1	0	0	—	Bright and clear all day.
26	30.15	30.15	19.7	25.1	16.8	38.4	1.7	1.2	057	095	54	70	SW	SW	1	0	0	—	Bright and clear all day.
27	30.24	30.20	22.9	24.3	20.2	39.4	1.1	1.0	085	097	70	75	Caln	Caln	0	0	0	—	Bright and clear all day.
28	30.10	30.00	17.9	20.1	12.0	38.2	1.2	1.5	062	061	64	57	SW	NW	1	0	0	—	Bright and clear all day.
29	29.94	29.77	22.3	30.7	15.6	33.4	1.2	0.9	080	148	68	87	Caln	SW	1	10	10	—	Overcast all day.
30	29.67	29.60	35.0	38.0	30.0	42.1	0.4	1.2	196	204	96	89	SW	SW	1	10	10	0.044	Overcast all day.
31	29.58	29.50	35.1	35.0	32.8	40.8	0.8	0.7	189	199	92	94	SW	SW	1	10	10	—	Overcast and raw all day.
32	29.28	29.07	35.3	35.9	32.8	38.4	1.2	1.2	183	190	89	90	SW	SW	1	10	10	—	Overcast and raw all day.
Mean	29.199	29.183	35.3	36.0	30.6	42.5	1.1	1.3	187	190	85.6	85.8	1.1	1.3	7.0	6.0	3.566		

## SCARBOROUGH.—JANUARY 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +025 in.

1	29°00	28°70	35°0	33°3	33°0	38°4	0°4	0°2	*196	*186	95	97	Calm	0	Calm	0	8	10	*165	☉ p.
2	28°57	28°79	34°6	38°0	33°3	38°0	0°6	0°1	*188	*227	93	99	SW	1	NW	3	6	10	—	☉ p.
3	29°48	29°65	39°8	38°2	33°9	42°7	1°5	1°1	*215	*208	88	90	NW	2	NW	3	3	10	—	
4	29°56	29°56	42°0	49°7	36°7	49°8	0°2	0°3	*263	*349	98	98	SW	2	SW	3	7	10	—	
5	29°92	30°07	36°8	36°9	31°9	49°8	2°1	1°9	*179	*183	82	84	S	2	SW	3	3	0	—	☉ a.
6	30°03	29°82	35°8	38°1	30°0	38°4	1°0	0°2	*190	*226	91	98	S	3	SW	4	10	10	*255	☉ a.
7	29°63	29°49	41°0	40°0	37°1	42°8	0°1	0°2	*255	*243	99	98	Calm	0	SE	1	10	4	*035	☉ a.
8	29°47	29°44	40°0	45°2	39°8	47°1	0°1	0°2	*245	*297	99	98	SW	2	S	5	10	3	—	
9	29°31	29°14	42°0	45°0	41°4	45°7	0°1	0°3	*265	*293	99	98	SW	1	SW	2	7	10	—	
10	28°97	28°92	44°8	39°8	39°6	48°1	0°2	0°2	*293	*241	98	98	S	4	S	3	0	1	—	
11	29°15	29°12	36°5	35°8	31°1	40°1	0°4	0°2	*208	*207	96	98	SW	3	SE	2	1	10	*411	
12	28°77	28°46	38°0	43°0	31°2	49°2	0°2	0°2	*225	*273	98	98	SE	4	SE	6	10	9	*035	☉ a.
13	29°27	29°28	39°8	43°7	38°1	44°1	0°2	0°2	*240	*279	98	98	SW	2	SSW	2	9	5	*051	☉ p.
14	29°45	29°60	40°0	39°8	34°9	46°1	0°5	2°1	*237	*204	96	83	SW	4	SW	5	1	0	—	☉ p.
15	29°57	29°16	40°3	47°0	36°1	48°0	1°2	0°2	*225	*318	90	99	SW	3	SW	5	10	7	—	
16	28°96	28°94	40°0	40°2	40°1	50°2	2°0	0°2	*264	*245	85	98	SW	6	SW	5	1	10	*366	☉ p.
17	29°61	29°68	30°3	34°2	30°3	42°4	0°3	2°1	*160	*156	95	79	NW	2	WSW	4	1	10	*129	☉ p.
18	29°40	29°26	35°2	48°5	30°0	48°9	0°2	0°8	*201	*321	97	94	SW	1	WSW	3	10	10	*095	☉ p.
19	29°08	29°08	41°0	43°2	42°0	51°7	1°6	2°3	*307	*231	88	83	WSW	3	WSW	3	5	0	*021	
20	29°25	29°22	44°8	44°8	48°9	46°0	2°8	0°1	*236	*295	79	99	WSW	3	S	2	5	10	*231	
21	28°93	28°86	53°4	47°2	43°8	54°6	1°5	0°8	*366	*305	90	94	SW	3	W	3	8	10	*232	
22	28°93	28°93	47°7	43°7	43°1	50°8	2°5	1°9	*271	*243	82	85	SW	3	SW	2	8	10	*230	
23	29°54	29°89	38°8	34°1	32°0	43°7	1°3	0°3	*210	*190	89	96	SW	2	Calm	0	8	10	*319	
24	30°15	30°24	33°0	33°8	30°9	41°4	0°4	0°8	*179	*178	94	91	NW	2	Calm	0	7	4	—	☉ p.
25	29°45	29°45	35°0	31°8	27°5	42°3	2°3	0°2	*160	*174	78	97	Calm	0	Calm	0	6	1	—	☉ a.
26	29°53	29°49	30°0	38°6	27°9	40°3	0°3	2°0	*158	*196	95	83	Calm	0	Calm	0	6	4	*015	
27	29°36	29°28	37°7	36°0	30°6	39°9	1°6	3°7	*195	*145	86	69	Calm	0	Calm	0	7	3	—	
28	30°15	29°97	33°6	37°1	30°1	43°7	0°6	0°2	*181	*217	93	98	Calm	0	Calm	0	10	9	*170	
29	29°86	29°82	43°7	42°1	27°9	44°0	0°1	0°1	*283	*266	99	99	N	4	N	3	10	10	*090	☉ a.
30	29°79	29°74	41°8	40°8	40°0	43°0	1°2	0°6	*239	*241	90	95	N	1	N	3	8	10	*144	☉ a.
31	29°60	29°38	38°9	40°6	33°9	43°2	0°4	0°2	*230	*248	96	98	WSW	2	WNW	1	9	10	*090	
Mean	29°510	29°513	39°5	40°3	34°9	45°0	0°9	0°8	*228	*238	92°1	93°3	0°29	0°4	0°6	0°8	7°1	3°08	1	

Note:—The Hygrometrical values for Scarborough are somewhat doubtful.

## CRONKBORNE.—JANUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	28° 59	28° 59	34° 0	37° 0	31° 2	43° 0	0° 2	0° 0	.192	.220	98	100	N	1	WNW 3	6	10	256	▲ a. ● showers p.	
2	28° 65	29° 21	40° 0	38° 9	35° 6	44° 0	1° 4	1° 0	.218	.217	89	92	W	5-6	NW 8	9	10	601	Squally ↘. ●² from ip.	
3	29° 63	29° 55	41° 0	50° 0	38° 9	50° 0	2° 2	1° 6	.211	.319	83	89	W	1	WSW 6	8	10	198	● from sp. Squally ↘ p.	
4	29° 63	29° 83	48° 7	43° 6	43° 6	52° 0	0° 7	4° 6	.326	.192	95	67	SSW	3	WNW 5	10	2	—	Dull day.	
5	30° 05	30° 17	42° 8	32° 2	32° 2	44° 6	1° 6	0° 2	.240	.179	88	93	W	4-5	NNW 1	4	2	088	Fine day. ● at night.	
6	29° 90	29° 77	43° 3	39° 0	30° 4	47° 2	0° 5	0° 0	.269	.238	96	100	SE	5	Calm	0	10	10	386	● a.
7	29° 64	29° 47	43° 6	47° 0	37° 6	47° 2	0° 1	0° 6	.282	.308	99	96	ESE	3-4	ESE 4	4	10	178	Overcast with ● showers.	
8	29° 41	29° 32	48° 0	49° 0	45° 2	49° 0	1° 0	0° 4	.309	.338	93	97	SE	4	SE 5	5	10	179	Overcast with ● showers.	
9	29° 27	29° 01	48° 0	47° 0	43° 2	49° 0	0° 2	0° 2	.330	.319	99	99	SE	2	SE 5	5	10	10	548	Overcast with ●.
10	28° 94	28° 06	43° 2	41° 4	37° 5	48° 2	0° 9	0° 1	.260	.259	92	99	W	2	S 3-4	10	10	199	● a. and n.	
11	29° 13	29° 30	43° 8	39° 2	37° 8	44° 2	2° 4	1° 4	.234	.212	81	88	SSW	3	W 4	8	1	754	▲ a. ● 10a.-1p. ●² at night.	
12	28° 75	28° 16	48° 2	44° 0	39° 2	49° 2	2° 7	2° 2	.272	.240	82	83	WSW	5-7	WNW 6-8	1	6	027	Squally ↘ (force 10) ● showers.	
13	29° 44	29° 51	43° 0	41° 1	39° 0	44° 0	1° 6	1° 0	.242	.236	87	92	WSW	4	W 6	10	0	072	● till ip.	
14	29° 68	29° 75	42° 5	44° 6	39° 4	45° 4	1° 1	2° 6	.248	.237	91	80	W	4	W 3	1	6	054	Fine day.	
15	29° 50	29° 26	46° 0	49° 8	41° 0	49° 8	0° 6	0° 4	.297	.348	96	97	SSE	3	WSW 5	10	10	266	Overcast with ●.	
16	28° 96	28° 32	48° 2	34° 5	34° 0	51° 2	2° 1	2° 5	.283	.152	85	76	SSW	5-6	NNW 2	7	0	116	Squally ↘ a. ● showers.	
17	29° 77	29° 62	37° 6	41° 6	34° 0	43° 0	2° 8	4° 1	.174	.185	77	71	NNW	1	SE 4-5	5	10	347	✱ showers a. Fine day. ● a	
18	29° 40	29° 21	49° 0	50° 8	38° 2	50° 8	1° 0	0° 8	.322	.351	93	94	SSW	4-5	SW 5-7	10	10	362	● a. Squally ↘ p. [night	
19	29° 20	29° 23	48° 0	47° 8	47° 0	50° 8	2° 0	2° 8	.285	.265	86	80	W	5	SW 5-6	8	8	017	Squally ↘ a. and p. ● at night.	
20	29° 32	29° 07	47° 0	49° 0	44° 1	49° 4	1° 5	0° 2	.287	.343	90	99	SW	3-4	SSE 4	4	10	738	● a. ●² 9p.	
21	28° 91	28° 79	47° 2	49° 2	46° 3	50° 4	1° 2	0° 9	.295	.267	92	94	WSW	2	SSE 3	10	10	682	● a. ●² at night.	
22	28° 86	29° 16	47° 8	42° 8	42° 8	49° 4	2° 2	0° 6	.279	.221	84	95	SW	2	NE 4-5	8	10	196	Dull with ●² showers.	
23	29° 80	29° 10	37° 0	33° 5	32° 1	43° 1	2° 2	2° 5	.179	.143	81	75	N	2	Calm	0	3	002	Very fine. — 9p.	
24	30° 26	30° 35	29° 0	39° 0	26° 8	44° 2	1° 6	4° 2	.124	.161	75	69	NW	1	SE 3	2	0	003	—² a. Fine day.	
25	29° 44	29° 51	38° 2	38° 0	36° 8	44° 2	3° 2	3° 2	.171	.170	74	74	SE	5	SSE 5-6	1	0	—	—² a. Very fine, with ↘.	
26	29° 56	29° 51	38° 4	39° 0	36° 5	41° 2	3° 2	2° 0	.172	.199	75	84	SE	3	ESE 3-4	7	8	—	Fine day.	
27	29° 42	29° 31	38° 0	29° 0	29° 0	40° 9	1° 8	0° 8	.194	.136	85	86	ESE	3	Calm	0	10	0	—	Fine day. —² p.
28	29° 25	29° 12	48° 0	32° 0	25° 2	40° 5	1° 0	1° 0	.122	.157	80	87	N	1	NW 1	6	10	—	Dull day.	
29	30° 01	29° 93	40° 8	41° 8	32° 0	43° 2	1° 8	1° 3	.217	.237	86	90	NE	2	NNE 2	9	7	—	Dull day.	
30	29° 93	29° 84	41° 2	40° 0	37° 0	43° 9	1° 5	1° 7	.227	.213	89	86	N	2	ENE 2	9	10	—	Dull day.	
31	29° 66	29° 46	38° 2	39° 0	37° 2	41° 5	0° 4	2° 0	.222	.199	96	84	WNW	1	W 2	10	10	096	Dull day. ● at night.	
Mean	29° 559	29° 564	42° 3	41° 6	37° 1	46° 1	1° 5	1° 5	.241	.237	87° 6	87° 8	3° 1		3° 7	7° 5	6° 8	6° 365		



## HILLINGTON—JANUARY 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			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°	34°	33°	40°	0°	0°	in.	in.	%	%	SW	0°5	W	0°5	10	10	ins.	Early. Very damp with (mist). 26p.	
2	28°72	28°78	33°	36°	29°	38°	0°5	0°5	199	200	98	98	W	1	SW	1	8	10	04	1. 2* (sleet) 1p-2p., then fine	
3	29°57	29°79	36°	37°	34°	41°	0°	0°	199	208	92	93	N	2	S	2	7	10	03	Fine day, much cirrus.	
4	29°83	29°82	37°	40°	37°	51°	0°3	0°8	216	333	97	94	WSW	0°5	SW	4	5	10	—	Much cir. a. Fine and mild. 2p	
5	30°16	30°28	39°	40°	38°	50°	0°2	0°2	160	152	96	96	SW	2	SSE	0°5	0	0	01	2. Beautiful day. Cloudy p.	
6	30°21	29°98	34°	40°	22°	42°	0°2	0°4	197	247	97	97	SE	1	SW	0°5	9	10	—	2	
7	29°70	29°63	41°	45°	39°	46°	0°2	0°3	260	303	98	98	S	0°5	S	0°5	10	10	—	Overcast with (mist). 0° 100	
8	29°65	29°60	44°	48°	43°	50°	0°6	0°6	283	277	95	95	S	0°5	S	3	10	9	—	Mild and pleasant. [and 6.30p	
9	29°49	29°40	41°	45°	41°	50°	0°9	1°5	246	270	93	89	S	1	S	4	2	0	—	Delightful day. Clear evening.	
10	29°40	29°31	46°	47°	36°	50°	1°5	0°5	275	210	89	95	S	3	SW	1	3	0	—	Sunny, with cloudy intervals.	
11	29°37	29°36	35°	37°	33°	43°	0°6	1°1	192	199	94	90	SW	2	W	3	0	0	72	1. Clear 9a. and p. 2n.	
12	29°31	28°97	44°	43°	33°	45°	0°4	0°7	279	262	97	94	SW	4	W	9	10	8	—	1. Overcast.	
13	29°59	29°54	40°	37°	36°	46°	1°5	0°1	216	223	87	99	W	3	SW	2	10	5	32	Overcast all day.	
14	29°72	29°64	35°	35°	33°	42°	0°3	1°8	196	176	96	84	NW	2	SW	1	5	0	—	Fine and sunny. Clear p. [2p.	
15	29°78	29°74	37°	39°	33°	43°	0°3	1°4	184	340	80	90	SW	2	S	4	10	10	24	Very overcast and gloomy. 11a-5p	
16	29°71	29°68	33°	37°	31°	44°	0°3	2°3	273	236	86	83	SW	5	SW	7	10	10	02	Cloudy and mild. 2 shower p	
17	29°76	29°74	33°	37°	31°	44°	0°3	2°6	138	174	73	90	W	2	WSW	1	2	10	16	Fine red sunrise. Very fine. Much c-cum p	
18	29°62	29°58	44°	49°	40°	50°	0°3	2°3	290	303	98	84	SW	3	SW	6	10	10	—	Overcast and mild. [U	
19	29°53	29°48	41°	43°	33°	47°	0°3	1°9	306	241	80	85	SW	6	WSW	2	10	2	—	Overcast day. Starlight eve.	
20	29°56	29°49	44°	49°	40°	50°	0°3	1°5	237	336	83	96	SW	3	SW	5	10	10	16	Overcast all day. 2p.	
21	29°28	29°21	48°	50°	48°	55°	2°2	2°0	356	321	85	86	SW	6	SSW	6	10	10	05	Driving 10a. (gale) 2p-4p.	
22	29°22	29°15	48°	43°	43°	51°	3°2	2°6	260	225	78	81	SW	6	WSW	6	2	1	08	Fine sunrise. Sunny day.	
23	29°57	29°59	40°	36°	36°	44°	0°4	0°8	239	199	97	93	N	4	N	2	10	10	04	Very gloomy. a. and p.	
24	30°24	30°41	33°	29°	28°	41°	0°3	0°6	188	149	96	90	N	2	N	1	0	0	—	1. Very fine. Heavy snow 8 miles east.	
25	30°60	30°56	33°	33°	23°	40°	2°0	1°4	153	159	80	84	NE	1	NE	0°5	2	8	—	1. Very fine. Beautiful day.	
26	30°51	30°52	35°	37°	35°	43°	1°1	2°0	188	186	90	83	NE	2	NE	4	3	5	—	Very fine and sunny.	
27	30°42	30°37	37°	33°	33°	43°	1°6	0°3	191	182	86	96	NE	3	NE	0°5	6	0	—	Very fine and sunny. [2p.	
28	30°22	30°18	34°	40°	30°	44°	0°6	0°4	190	238	93	97	NE	0°5	NE	1	5	10	01	Fine and sunny a. Overcast, p.	
29	29°95	29°86	40°	40°	36°	44°	0°3	0°4	241	238	97	97	NE	0°5	NE	1	10	10	03	Very overcast and gloomy. 0 a.	
30	29°85	29°81	40°	36°	36°	44°	2°2	0°5	203	203	82	95	NE	1	NE	0°5	8	0	06	Fine and sunny Cool wind. [and p.	
31	29°65	29°51	38°	37°	32°	42°	0°8	0°6	213	211	93	94	NE	1	NE	0°5	10	10	01	0 a. Overcast all day.	
Mean	29°69	29°65	39°	40°	35°	46°	1°1	1°0	224	232	90°3	91°6	2°3	2°6	6°7	6°4	2°28				

## CHURCHSTOKE.—JANUARY 1899.

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

1	28°69	28°32	35°	38°	29°	39°	0°	2°	100	SW	2	8	2	34	Cold with *.*.
2	28°34	28°75	35°	37°	33°	40°	1°	2°	100	WNW	2	9	10	35	Very rough, with *.*.
3	29°22	29°25	38°	40°	37°	46°	1°	1°	100	WNW	1	9	10	—	
4	29°32	29°40	40°	43°	39°	53°	1°	1°	100	SSW	2	10	3	005	
5	29°63	29°77	37°	37°	29°	47°	1°	0°	100	Calm	0	6	1	—	Bright and sharp.
6	29°59	29°42	37°	37°	31°	45°	0°	0°	100	SSE	2	10	10	—	Raw, with (mist).
7	29°21	29°07	41°	45°	41°	47°	0°	0°	100	ESE	2	10	8	090	Cloudy and damp.
8	29°05	28°58	47°	47°	42°	52°	1°	0°	100	SSE	1	10	4	—	
9	28°89	28°68	46°	42°	42°	49°	0°	0°	100	SE	2	10	3	410	
10	28°55	28°71	42°	37°	36°	46°	0°	0°	100	SE	2	10	8	100	
11	28°84	28°02	34°	36°	32°	40°	0°	0°	100	SSE	1	10	8	642	
12	28°61	28°83	47°	43°	36°	50°	1°	1°	100	SW	6	8	10	090	(gale). Trees uprooted.
13	29°11	29°19	40°	37°	32°	45°	0°	0°	100	SW	2	10	5	200	Dull, with all day.
14	29°31	29°40	37°	36°	33°	47°	0°	0°	100	WNW	2	1	6	105	Fine, bright and sharp.
15	29°16	28°03	40°	32°	36°	53°	0°	0°	100	SE	2	10	10	300	Squally p.
16	28°81	28°87	46°	37°	37°	54°	0°	0°	100	SW	2	2	6	250	Squally, with *.*.
17	29°38	29°20	35°	34°	30°	40°	1°	0°	100	W	1	8	10	140	in evening.
18	29°14	28°97	49°	50°	34°	51°	1°	2°	100	SW	2	9	8	142	Squally, with *.*.
19	28°88	28°66	48°	43°	42°	51°	2°	2°	100	WNW	3	8	6	050	
20	29°03	28°73	44°	49°	43°	50°	1°	0°	100	SSW	2	10	10	1150	
21	28°62	28°53	50°	48°	45°	52°	1°	0°	100	SW	6	10	8	430	
22	28°59	28°73	46°	41°	40°	49°	0°	0°	100	SW	2	8	9	195	Floods in valley.
23	29°28	29°62	37°	30°	30°	43°	1°	0°	100	N	2	10	0	010	
24	29°22	29°93	26°	25°	24°	38°	1°	0°	100	Calm	0	0	0	—	
25	30°00	30°10	20°	25°	20°	37°	1°	0°	100	E	1	0	0	—	Bright and sharp.
26	30°10	30°03	23°	24°	19°	38°	0°	0°	100	SE	2	8	8	—	Raw, with (mist).
27	29°94	29°83	32°	27°	27°	35°	0°	0°	100	E	2	8	6	—	Bright day.
28	29°77	29°63	28°	30°	26°	34°	0°	0°	100	E	1	8	10	—	Cloudy and raw.
29	29°52	29°42	33°	37°	30°	38°	0°	0°	100	NW	1	10	10	050	Raw, with (mist).
30	29°42	29°34	36°	36°	35°	38°	0°	0°	100	NE	2	10	10	—	Raw, with (mist).
31	29°18	29°03	34°	33°	33°	37°	0°	0°	100	Calm	0	10	10	020	
Mean	29°192	29°183	38°	39°	34°	44°	1°	1°	100	1°	2°	8°	6°	5°	

## ST. DAVID'S, PEMBROKE.—JANUARY 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +.018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	40°	43°	39°	47°	0°	0°	100	SSW	3	10	1	030	1a-8a. Squally p.
2	28°78	28°79	39°	39°	38°	44°	0°	0°	100	WNW	7	7	0	005	2a. Squally p.
3	29°64	29°65	42°	44°	39°	52°	0°	0°	100	NW	4	8	10	050	p.
4	29°71	29°68	51°	45°	44°	53°	0°	0°	100	SW	4	9	0	015	Frequent showers a.
5	30°05	30°08	46°	42°	39°	48°	0°	0°	100	W	3	5	0	001	Fine and sunny.
6	29°86	29°74	47°	46°	41°	51°	0°	0°	100	SSE	5	10	10	140	a. and p.
7	29°53	29°42	45°	49°	45°	51°	0°	0°	100	SE	4	10	10	050	
8	29°27	29°20	50°	50°	48°	52°	0°	0°	100	SSE	5	10	10	335	showers 11a. Squally p.
9	29°17	28°94	46°	47°	46°	51°	0°	0°	100	SSW	3	10	3	950	a. and p.
10	28°94	28°96	40°	43°	40°	50°	0°	0°	100	W	4	4	4	605	Frequent showers a.
11	29°09	29°09	43°	44°	39°	46°	0°	0°	100	SSW	7	10	7	475	Squally p. 6p. [2p.
12	28°99	28°97	50°	44°	43°	52°	0°	0°	100	W	8	9	9	182	Frequent showers a. Squally
13	29°44	29°44	43°	41°	41°	52°	0°	0°	100	SSW	2	10	10	300	a. and p.
14	29°73	29°73	42°	44°	41°	48°	0°	0°	100	WNW	3	9	9	480	a. and p.
15	29°49	29°49	51°	51°	44°	53°	0°	0°	100	SW	6	10	10	152	Squally p.
16	29°11	29°11	46°	46°	44°	53°	0°	0°	100	WSW	7	7	9	040	Squally with p.
17	29°80	29°80	39°	49°	38°	51°	0°	0°	100	WNW	1	10	10	180	Squally p.
18	29°53	29°53	49°	49°	49°	51°	0°	0°	100	SW	6	10	10	238	Squally p.
19	29°30	29°30	47°	46°	45°	51°	0°	0°	100	WSW	5	8	5	080	Sunny but with cool wind.
20	29°33	29°33	47°	46°	45°	51°	0°	0°	100	SSW	6	10	10	1250	Squally p. a. and p. [10p.
21	28°95	28°95	49°	49°	46°	52°	0°	0°	100	SW	6	10	9	925	Squally p. a. and p. 5p and



## SOUTHAMPTON.—JANUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	37.9	38.3	35.3	45.3	0.3	0.8	in.	in.	%	%	WSW 1	W 4	5	5	ins.	☉ a. ☉ p.
2	29.22	29.03	37.9	38.3	35.3	45.3	0.3	0.8	221	175	97	94	WNW 4.5	NW 8.5	10	10	.484	☉ till 9 a. (gale) p.
3	28.87	29.03	38.3	43.9	38.0	45.7	2.8	2.8	204	215	92	69	NW 3	SW 2.5	10	10	.005	☉ till 9 a. (gale) p.
4	29.71	29.91	38.3	43.9	38.0	45.7	2.8	2.8	179	227	77	79	WSW 1	SW 3	10	10	.014	☉ till 9 a. (gale) p.
5	29.96	30.01	40.0	52.5	43.2	53.8	0.3	0.9	240	370	98	93	Calm	WNW 1	9	0	.015	Dull, mild and damp.
6	30.24	30.33	34.0	36.2	33.5	53.4	0.3	0.4	190	206	97	96	SE 3.5	SE 3	10	10	.015	☉ a. Beautiful day.
7	30.17	29.98	45.4	46.9	34.9	50.0	0.5	0.8	293	301	97	95	SE 0.5	SSW 3.5	10	3	.008	☉ till 11 a. and 8 p.
8	29.80	29.69	46.1	50.8	45.5	51.6	1.0	1.4	288	336	93	90	SE 2	SE 2.5	7	0	.050	☉ a. Beautiful day.
9	29.66	29.59	48.1	48.6	47.7	55.2	0.7	1.5	318	305	95	90	SE 3	SSW 5	1	10	.003	☉ a. Beautiful day.
10	29.49	29.31	47.4	51.3	45.5	54.3	1.7	3.3	282	296	88	78	S 5	SW 4	10	10	.370	☉ a. Beautiful day.
11	29.17	29.32	49.4	42.9	42.7	52.2	2.2	0.9	298	256	85	93	SW 1	WNW 4.5	10	0	.355	Damp and raw a. ☉ 11 a. - 3 p.
12	29.50	29.65	36.5	39.7	35.6	46.2	0.5	1.8	206	209	95	85	SW 5.5	W 8	10	0	.180	☉ (gale) ☉ showers.
13	29.31	29.45	52.5	45.2	38.5	53.6	0.8	3.7	373	223	94	74	SW 1.5	NW 3.5	10	1	.343	☉ nearly all day.
14	29.75	29.68	44.5	47.6	42.8	54.5	2.0	2.2	249	277	85	85	WNW 1	W 0.5	10	0	.100	☉ nearly all day.
15	28.88	30.00	41.4	38.5	37.9	48.7	0.7	1.3	246	207	95	89	S 2	SW 5	10	10	.436	☉ a. ☉ nearly all day.
16	29.83	29.66	47.0	52.9	35.9	53.9	0.2	0.7	318	381	99	95	SW 4.5	W 6	10	10	.198	☉ a. Squally ☉ p.
17	29.47	29.41	50.2	44.4	43.8	53.9	1.8	1.7	317	255	88	88	WNW 1	SSE 3.5	3	10	.170	☉ from 5 p.
18	29.79	29.79	34.4	43.6	33.3	45.4	2.1	0.4	158	274	79	97	SW 3.5	SW 6.5	10	10	.085	Dull day. ☉ (gale) in evening.
19	29.82	29.74	49.8	49.8	43.2	53.6	1.5	1.1	320	339	89	92	SW 6.5	SW 2	10	6	.255	☉ (gale) a.
20	29.59	29.64	50.9	46.7	46.4	53.6	0.9	1.6	349	282	94	89	SW 4	SW 6.5	10	10	.770	☉ a. ☉ (gale) p.
21	29.70	29.51	48.7	51.8	44.9	52.7	2.0	1.4	296	348	86	90	SW 7.5	SW 7.5	10	10	.082	☉ ☉ showers all day.
22	29.42	29.28	52.8	53.1	50.1	55.8	1.6	2.3	355	341	88	84	SW 6	SW 5	2	0	.040	☉ a. Fine day with ☉.
23	29.56	29.52	48.9	46.0	45.2	54.0	3.6	3.7	271	231	76	75	W 1	NW 2	10	3	.007	Bracing wind. ☉ p.
24	29.68	30.12	42.4	35.1	34.8	47.2	1.1	1.9	248	167	91	81	NNE 0.5	NE 0.5	4	0	—	☉ a. and n. Fine but with cold
25	30.31	29.43	34.4	33.0	30.9	41.1	0.7	0.9	185	169	93	90	ENE 0.5	NE 0.5	0	0	—	☉ a. Beautiful day throughout.
26	29.54	29.58	30.7	31.3	28.4	40.5	0.9	1.5	148	140	87	79	NE 1	NE 2	0	0	—	☉ a. Beautiful day throughout.
27	29.56	29.46	33.0	35.1	29.2	42.4	0.9	1.4	169	177	90	86	ENE 1	NE 1	0	10	—	☉ a. and p. Beautiful day throughout.
28	29.35	29.28	34.1	35.2	32.8	41.6	1.1	1.5	175	177	88	86	NE 3	NE 2	0	0	.008	☉ a. and p. Beautiful day throughout.
29	30.22	30.10	31.9	34.9	29.3	41.2	0.8	0.8	161	189	90	92	NE 1	NE 2	2	10	.018	Dull and damp a. ☉ from 9 p.
30	29.97	29.86	37.1	39.2	33.5	41.6	0.1	0.2	219	226	99	98	NE 2.5	NE 3	9	10	—	Dull day.
31	29.83	29.80	38.1	38.1	36.2	43.3	0.6	2.0	217	191	95	83	NE 1	NE 1	5	10	—	☉ a.
31	29.66	29.50	31.8	36.6	29.8	39.6	0.5	0.8	168	201	94	93						
Mean	29.773	29.767	42.1	42.9	38.1	48.7	1.1	1.6	250	248	90.8	87.4	2.5	3.5	7.3	6.1	3.996	

## PLYMOUTH.—JANUARY 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	29°22	29°04	42°0	42°7	38°0	47°0	1°4	2°1	237	230	89	84	W	W	10	7	1.07	Unsettled, with frequent ☉ showers.
2	28°97	29°04	42°1	39°3	42°1	37°0	44°3	1°7	4°3	207	186	87	W	NW	9	2	°07	Stormy, with ☉ showers.
3	29°76	29°85	40°6	49°9	38°1	49°9	2°1	0°3	211	351	84	98	W	SW	6	10	°065	Fine day. ☁ in evening.
4	29°93	30°02	51°0	49°3	48°2	52°9	0°1	0°9	371	328	99	94	SW	W	10	10	°05	☉ at night.
5	30°21	30°24	37°5	38°8	34°2	49°3	0°3	0°8	226	220	95	94	ENE	NE	10	1	°01	☁ a. Fine later.
6	30°04	29°90	49°5	47°6	37°0	50°9	0°1	1°2	352	300	99	92	SSE	SE	10	10	°04	Overcast nearly all day.
7	29°68	29°54	49°8	52°0	44°7	52°2	0°6	1°1	340	358	94	92	SE	S	9	9	°05	Overcast all day. ☉ n.
8	29°49	29°40	51°8	52°4	49°6	53°4	1°6	2°2	343	335	88	85	SE	SE	9	10	—	Fine and dry.
9	29°33	29°17	51°0	51°0	47°6	52°4	1°1	1°3	346	341	92	91	SE	SSW	9	8	°58	Overcast with ☉ at intervals.
10	29°14	29°27	46°0	44°0	41°0	51°3	1°0	2°8	287	228	93	78	WSW	WSW	9	2	°27	Squally with ☉.
11	29°35	29°65	45°0	42°9	37°0	47°3	0°6	1°9	285	235	95	83	SSW	WSW	10	10	°40	Overcast and squally with ☉.
12	29°34	29°61	52°5	46°6	39°0	53°9	2°1	3°6	338	237	86	73	SW	W	5	8	°09	☁ (trees blown down).
13	29°65	29°70	47°2	46°6	44°4	54°1	0°1	1°4	321	285	99	93	SE	NW	10	6	°28	☉
14	29°84	29°95	43°5	41°2	40°6	47°4	0°0	0°8	283	242	100	94	NE	NE	10	5	°18	Calm and very mild.
15	29°78	29°64	51°8	52°3	38°6	53°0	0°0	0°3	384	100	98	98	SW	SSW	10	10	°31	☁ all day. ☉
16	29°42	29°43	50°6	45°1	40°1	52°7	1°8	2°4	323	246	88	82	SSW	W	8	10	°34	Frequent heavy squalls with ☉.
17	29°95	29°78	37°2	51°4	37°1	52°0	0°8	0°5	206	366	93	96	NE	WSW	10	10	°65	☉ a. Squally with ☉ showers.
18	29°78	29°65	50°7	50°9	49°3	53°0	1°1	1°0	342	348	92	93	SW	SSW	7	10	°03	Overcast nearly all day.
19	29°53	29°60	51°2	48°4	46°9	52°0	1°0	2°2	350	286	93	84	SW	SW	10	0	°03	☉
20	29°58	29°35	48°9	51°3	43°6	51°8	1°1	0°1	320	373	93	98	S	S	10	10	°745	Overcast and very stormy all day.
21	29°24	29°14	50°6	52°6	37°9	54°7	0°0	1°6	369	353	100	89	SSW	S	10	7	°10	☉
22	29°30	29°53	48°8	46°0	44°1	53°1	2°5	2°6	285	252	82	82	SW	SW	2	5	°16	Bright and sunny all day.
23	29°76	29°13	41°3	37°6	37°6	48°0	0°9	1°5	241	196	93	87	WNW	NNW	9	2	°01	☁. Fine and sunny.
24	29°30.25	29°32	33°9	37°9	29°1	41°0	1°1	1°1	171	207	88	91	NE	E	5	9	—	☁. Beautifully fine and sunny.
25	29°40	29°49	38°3	34°6	34°2	42°5	0°7	2°3	217	157	94	78	ENE	ENE	8	2	—	☁
26	29°46	29°35	35°8	35°4	32°2	41°0	2°5	1°0	164	188	78	91	NNE	NE	0	0	—	☁. Sunny all day.
27	29°24	29°18	35°6	36°6	34°4	40°0	1°6	1°2	179	194	85	90	NE	NE	3	7	—	☁. Sunny all day.
28	29°14	29°05	34°4	34°4	33°2	40°0	1°2	1°4	175	171	87	85	NNE	N	5	0	—	☁. Sunny all day.
29	29°90	29°85	34°6	37°6	32°8	41°4	0°4	0°5	191	214	96	95	N	N	3	5	—	☉
30	29°79	29°74	39°1	40°6	35°6	42°5	1°2	1°7	215	218	90	87	N	NE	9	10	—	☉
31	29°58	29°46	35°6	37°6	34°4	41°0	1°2	1°0	187	206	89	91	NNE	NE	7	10	—	☁. Dull a. Fine and sunny p.
Mean	29°711	29°724	44°0	44°4	39°3	48°5	1°0	1°5	273	266	91.6	88.4	—	—	7.8	6.6	5.53	

## ARMAGH.—JANUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.		9 p.m.	
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	SSE 2	SSW 4	10	8	ins.		
2	28° 81	28° 50	33° 5	36° 7	34° 0	45° 0	0° 5	1° 0	° 182	° 198	94	91	SW 4	W 3	10	8	° 162	
3	28° 58	29° 21	35° 7	35° 9	33° 3	39° 0	0° 7	2° 0	° 196	° 176	84	84	S 1	WSW 3	10	5	° 135	
4	29° 55	° 49	37° 5	47° 9	33° 5	49° 2	2° 0	2° 0	° 186	° 264	83	80	S 5	SSW 3	10	0	° 028	
5	29° 42	29° 72	49° 0	36° 9	35° 8	50° 0	0° 2	1° 1	° 343	° 198	99	91	S 1	SSW 3	10	0	° 010	
6	° 99	30° 03	35° 8	36° 6	33° 5	41° 0	0° 8	1° 6	° 195	° 186	93	86	SW 2	SE 1	0	10	° 192	
7	° 69	29° 70	44° 3	36° 7	33° 8	44° 4	1° 5	0° 8	° 258	° 202	88	93	SSW 4	S 1	10	2	—	
8	° 52	° 29	33° 9	47° 3	25° 5	47° 4	0° 1	1° 1	° 193	° 299	99	92	ENE 1	SE 3	10	10	° 075	☞ early a.
9	° 18	29° 07	48° 7	51° 2	44° 0	51° 2	0° 2	1° 8	° 340	° 330	99	88	SE 4	SE 5	10	10	° 060	
10	29° 15	28° 83	43° 0	46° 2	41° 8	51° 2	0° 5	1° 1	° 266	° 287	96	93	S 1	SSW 4	10	4	° 012	
11	28° 83	29° 00	40° 0	37° 5	33° 8	46° 5	1° 2	0° 9	° 222	° 207	90	92	SSW 2	SSW 3	9	10	° 028	
12	29° 00	° 19	35° 7	35° 1	32° 2	41° 8	0° 7	1° 1	° 196	° 183	94	89	S 3	SSW 3	10	10	° 145	
13	28° 57	° 22	41° 4	41° 5	25° 0	47° 0	1° 4	3° 2	° 231	° 198	89	76	SSW 6	WSW 3	10	4	° 137	Stormy a.
14	29° 34	° 47	38° 8	35° 6	35° 0	41° 5	0° 7	0° 6	° 222	° 197	95	95	SSW 3	SW 2	10	1	° 020	
15	° 62	° 65	37° 6	40° 0	34° 5	44° 0	1° 9	2° 0	° 190	° 226	84	92	SSW 3	SSW 3	0	0	° 172	☞ a.
16	29° 36	° 08	41° 0	48° 6	38° 6	51° 1	0° 0	0° 6	° 257	° 327	100	96	ESE 2	SSW 4	10	10	° 160	
17	28° 80	° 35	41° 8	34° 4	34° 2	48° 8	0° 5	1° 3	° 254	° 173	96	86	SSW 4	NNW 2	2	1	° 045	
18	29° 71	° 40	34° 0	40° 8	29° 5	41° 0	0° 5	0° 7	° 186	° 239	95	95	SSW 2	SE 3	8	10	° 358	☞ early a.
19	° 18	° 07	48° 9	49° 7	39° 7	51° 2	0° 3	1° 0	° 339	° 331	98	93	SSW 5	SSW 4	10	10	° 382	
20	° 08	29° 02	43° 4	43° 7	39° 5	49° 7	2° 0	0° 9	° 238	° 265	84	92	SSW 3	SSW 6	2	8	° 020	
21	29° 17	28° 84	42° 4	46° 0	40° 8	48° 2	0° 2	0° 0	° 266	° 311	99	100	S 2	SE 2	10	10	° 224	
22	28° 77	28° 61	45° 8	45° 5	44° 9	52° 0	2° 0	0° 7	° 264	° 289	86	95	S 3	SE 2	9	10	° 045	
23	28° 77	29° 12	44° 6	43° 4	41° 5	46° 0	0° 6	0° 1	° 280	° 279	95	99	SSW 2	N 3	10	10	° 380	
24	29° 81	30° 08	37° 4	31° 0	31° 0	43° 4	1° 4	0° 3	° 196	° 166	88	95	NNW 1	NNW 1	8	2	—	
25	30° 21	° 23	30° 2	33° 6	24° 5	41° 0	0° 6	0° 6	° 152	° 181	90	93	NNW 1	ESE 1	0	4	—	☞ a.
26	° 31	° 38	38° 3	37° 5	31° 5	41° 0	2° 3	1° 9	° 187	° 188	81	84	SSE 3	SSE 2	0	0	—	☞ a.
27	° 44	° 38	36° 7	32° 2	31° 3	42° 2	2° 0	1° 0	° 181	° 160	83	87	S 1	SSE 1	7	2	—	☞ a.
28	° 32	° 25	25° 8	25° 6	24° 5	39° 0	0° 0	0° 6	° 140	° 117	100	86	Calm 0	Calm 0	0	0	—	☞ a. ☞ p.
29	30° 20	30° 08	28° 1	29° 6	22° 5	31° 0	0° 1	0° 1	° 151	° 162	98	98	Calm 0	Calm 0	10	10	—	☞ a.
30	29° 98	29° 90	30° 3	36° 9	25° 6	37° 2	0° 0	0° 0	° 169	° 219	100	100	Calm 0	NE 1	10	10	° 010	
31	° 87	° 77	35° 0	36° 0	33° 1	39° 2	0° 0	0° 1	° 204	° 210	100	99	Calm 0	NE 0° 5	10	10	—	☞ a.
32	29° 58	29° 39	33° 1	31° 0	30° 6	38° 0	0° 0	1° 0	° 159	° 176	100	89	NE 0° 5	S 0° 5	10	10	—	☞ a.
Mean	29° 445	29° 461	38° 4	39° 1	33° 5	44° 5	0° 8	1° 0	° 222	° 224	93° 2	91° 3	2° 3	2° 4	7° 6	6° 4	2° 800	



## DUBLIN (PHOENIX PARK).—JANUARY 1899.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.022 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 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.	34.3	38.5	28.8	42.0	1.6	3.8	in.	in.	%	%	Calm	WSW 3	8	4	ins.	Cloudy with ☉ showers.
2	28.75	29.31	34.6	35.3	33.1	39.7	2.0	3.4	1.161	1.145	80	69	WSW 3	WNW 2	4	0	1.005	* 10a.—noon.
3	29.67	30.60	37.1	31.5	33.8	51.9	2.5	2.5	1.174	1.316	79	83	Calm	WSW 2	9	2	1.005	Cloudy day.
4	29.59	29.90	31.8	38.4	37.8	54.7	2.3	2.6	1.183	1.283	85	79	SW 3	WSW 1	7	0	1.020	Cloudy day. ☉ 11a.—1p.
5	30.08	30.14	38.6	31.9	29.8	43.8	1.9	0.5	1.198	1.169	85	94	WSW 1	Calm	2	5	1.045	Beautiful day.
6	29.80	29.86	49.6	37.6	31.8	50.3	2.1	0.3	1.303	1.219	86	98	SW 2	Calm	10	10	1.430	Dull day. ☉ till 2p. ☁ p.
7	29.56	29.38	44.5	48.3	36.8	49.7	0.0	1.6	1.294	1.299	100	89	Calm	ESE 1	10	7	1.020	☁ till 2p. ☉ showers 4p.—7p.
8	29.26	29.20	49.7	51.5	42.8	52.9	2.0	2.8	1.349	1.310	86	81	SE 2	SE 2	9	10	1.015	Dull day with ☉.
9	29.22	28.94	43.2	47.4	41.8	53.7	2.0	3.1	1.236	1.256	85	79	Calm	Calm	10	7	1.050	Dull day with ☉.
10	28.94	29.08	41.5	39.0	36.0	48.7	2.8	1.1	1.206	1.216	79	91	SW 1	WSW 1	6	8	1.020	Beautiful day. * 4p.
11	29.12	30.36	39.1	36.3	33.1	41.8	1.5	1.8	1.209	1.181	88	85	SW 2	SW 1	9	5	1.195	☉ showers. * 4p.
12	28.81	29.37	47.5	41.4	33.7	51.7	5.0	2.7	1.220	1.207	67	86	SW 4	WSW 3	8	4	1.055	Cloudy with squally ☉.
13	29.49	29.59	38.5	37.6	36.9	41.6	1.4	1.0	1.205	1.206	88	91	SSW 1	WSW 1	10	0	1.025	Dull with ☉.
14	29.76	29.80	37.3	42.5	36.6	46.5	1.6	2.9	1.192	1.213	87	78	WSW 1	SW 1	1	2	1.120	Beautiful day.
15	29.44	29.44	45.3	51.6	34.0	53.8	0.6	1.0	1.289	1.356	96	93	Calm	SW 3	10	10	1.200	Dull day with ☉.
16	28.98	29.39	45.6	35.2	34.9	51.9	4.1	2.7	1.220	1.155	72	75	SSW 4	NW 1	4	0	1.045	Dull day. ☉ 11a.—2p.
17	29.80	29.52	33.1	42.4	30.1	43.0	1.0	0.7	1.168	1.256	89	95	Calm	Calm	5	10	1.320	Cloudy a. Dull with ☉ p.
18	29.36	29.19	50.5	52.0	40.5	54.1	2.2	1.5	1.312	1.248	85	90	SW 4	SW 3	9	9	1.240	Dull, with ☉ showers. ☉
19	29.22	29.21	44.1	44.7	43.2	52.5	2.2	3.6	1.241	1.219	82	74	SW 2	SW 4	2	4	1.030	Beautiful day.
20	29.28	28.93	44.1	48.4	43.3	52.5	1.8	0.7	1.249	1.323	85	95	SW 1	SE 1	10	10	1.340	Cloudy, with ☉.
21	28.87	28.69	49.5	49.1	46.3	53.8	2.4	3.1	1.294	1.275	84	78	SW 2	SE 1	10	9	1.015	Cloudy day. ☉ p.
22	28.86	29.23	44.6	40.1	39.7	49.5	1.0	1.2	1.272	1.223	93	90	SW 2	WNW 2	8	9	1.220	☉ showers.
23	29.88	30.15	34.8	31.5	29.6	40.8	1.1	0.9	1.180	1.156	90	87	NW 1	Calm	2	2	—	Beautiful day.
24	30.27	30.27	30.2	36.2	22.1	41.5	0.3	2.1	1.122	1.175	92	82	Calm	Calm	2	2	—	Beautiful day. ☉
25	29.39	29.47	37.0	37.8	35.0	41.1	3.6	2.6	1.155	1.179	71	79	SSE 1	Calm	2	6	—	Beautiful day. ☉
26	29.50	29.46	35.7	34.2	27.8	41.6	3.4	2.5	1.149	1.148	71	76	SE 1	Calm	1	0	—	Beautiful day. ☉
27	29.38	29.30	35.7	37.7	22.9	41.9	0.4	1.3	1.129	1.201	91	89	Calm	Calm	0	7	—	Beautiful day. ☉
28	29.24	29.13	33.7	32.4	29.0	41.5	1.3	0.6	1.167	1.171	86	93	Calm	Calm	8	0	—	☉ p.
29	30.02	29.92	29.2	41.2	28.0	42.0	0.6	0.5	1.144	1.248	90	97	Calm	NE 1	9	9	1.010	☉ a. Dull and cloudy.
30	29.90	29.82	41.6	40.9	40.1	43.9	1.0	3.0	1.242	1.297	93	78	NE 1	Calm	9	10	1.035	Dull with ☉ showers.
31	29.64	29.48	35.9	35.8	34.9	41.2	0.5	0.4	1.201	1.202	96	97	Calm	Calm	10	10	—	☉ p.
Mean	29.549	29.568	40.1	40.9	34.7	47.0	1.8	1.9	1.219	1.223	85.7	85.0	1.3	1.1	6.6	5.5	2.560	

## PARSONSTOWN.—JANUARY 1899.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., —2 feet. Therms., 4 feet 6 inches. Rain-gauge, 8 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +0.021 in.

1	28.85	28.73	34.4	37.0	30.6	42.3	1.0	1.8	1.179	1.186	89	85	SE 2	W 3	10	10	1.210	☉ showers. ☉ (sleet) 9p.
2	28.83	29.37	34.5	35.8	31.7	40.3	0.7	2.2	1.186	1.170	95	81	W 2	W 1	10	8	1.073	Dull, with ☉ a.
3	29.62	30.63	37.3	48.4	34.4	51.6	0.6	2.2	1.211	1.286	95	84	SE 1	SW 2	10	4	1.030	Dull, with ☉.
4	29.60	29.88	33.3	36.7	35.9	53.7	2.6	1.3	1.336	1.193	82	89	SSE 1	Calm	10	0	1.063	Dull, cloudy and mild.
5	30.11	30.04	35.7	39.4	32.8	41.2	0.3	1.6	1.203	1.210	98	87	Calr.	SE 1	9	10	1.147	Fine and bright.
6	29.78	29.81	44.9	33.7	33.7	49.4	0.4	0.7	1.289	1.180	97	92	W 1	Calm	10	7	1.042	Dull and overcast. ☁ (mist) 9p.
7	29.50	29.26	39.0	45.8	31.8	48.7	0.3	0.4	1.232	1.299	98	97	Calm	E 1	10	9	1.068	Dull and cloudy.
8	29.10	29.02	50.7	49.9	42.1	51.9	0.9	1.0	1.348	1.333	94	93	E 1	SE 3	10	10	1.068	Dull, with ☉.
9	29.15	28.86	39.6	44.2	38.9	53.2	0.5	1.1	1.233	1.265	96	92	Calm	Calm	9	10	1.150	Fine and bright.
10	28.91	29.07	37.1	36.0	34.8	44.5	1.3	1.0	1.195	1.193	88	91	S 1	Calm	4	5	1.056	Fine and bright.
11	29.09	30.32	34.6	36.7	32.2	41.0	0.6	0.8	1.189	1.202	94	93	Calm	Calm	7	10	1.398	☉ (sleet).
12	28.81	29.40	41.4	39.7	35.9	51.5	1.3	1.7	1.233	1.210	90	86	SW 3	Calm	6	10	1.155	☉ 9a. ☉ 7p.
13	29.43	29.59	38.2	38.6	35.5	46.5	0.4	0.9	1.222	1.217	97	93	Calm	Calm	10	9	1.028	Dull and gloomy. ☉ p.
14	29.76	29.77	34.2	39.9	32.9	44.6	0.4	1.1	1.190	1.224	96	91	Calm	Calm	1	10	1.155	Fine and bright.
15	29.41	29.21	47.2	49.4	36.8	52.6	0.4	1.8	1.315	1.307	98	88	SE 1	SW 2	10	10	1.060	Overcast, with ☉.
16	28.90	29.46	44.9	34.6	33.9	49.0	2.5	1.8	1.242	1.165	82	82	SW 2	Calm	10	2	1.156	Dull and overcast with ☉.
17	29.74	29.47	32.5	49.6	29.7	49.6	0.9	0.4	1.166	1.346	89	97	Calm	SW 1	10	10	1.343	Dull and overcast with ☉.
18	29.33	29.17	49.9	49.7	46.9	53.9	0.7	0.6	1.341	1.340	95	96	SE 1	SE 1	10	10	1.324	Dull with ☉. ☉ 7.30p.
19	29.21	29.20	41.6	44.1	40.7	51.3	1.4	1.4	1.233	1.258	90	89	S 1	SW 1	1	6	1.267	Fine and bright.
20	29.16	28.83	43.7	49.9	41.8	51.5	0.6	0.9	1.271	1.335	95	94	SE 1	S 1	10	10	1.310	☉ 9.15p.
21	28.83	28.57	46.7	46.7	44.7	53.7	1.0	0.8	1.296	1.301	93	94	S 1	SW 1	7	10	1.096	Fine day.
22	28.84	29.32	44.7	40.7	39.8	49.9	0.7	0.8	1.279	1.237	94	93	SW 1	NW 2	10	10	1.248	Dull and overcast with ☉.
23	29.89	30.11	34.5	29.7	28.9	43.7	0.7	0.0	1.186	1.165	93	100	W 1	Calm	4	1	—	Fine and bright. ☁ (mist) 9p.
24	30.24	30.18	26.2	37.6	24.6	40.2	0.2	0.7	1.136	1.212	96	94	Calm	E 1	4	10	1.010	Fine and bright. ☉
25	29.23	29.34	39.2	39.7	36.1	42.8	2.2	0.9	1.197	1.226	82	92	SE 2	S 1	4	10	—	Fine and bright.
26	29.44	29.38	33.9	34.8	32.3	41.6	1.5	1.3	1.165	1.172	84	86	SE 1	SE 1	6	0	—	Fine and frosty.
27	29.32	29.23	33.7	31.6	24.6	41.7	1.3	0.7	1.167	1.161	86	91	Calm	Calm	0	0	—	Fine, bright, and frosty.
28	29.21	29.12	25.8	29.5	23.8	33.8	0.0	0.0	1.140	1.164	100	100	Calm	Calm	0	10	—	☁
29	30.02	29.91	28.7	31.6	25.8	40.8	0.7	0.6	1.137	1.164	87	92	E 1	Calm	10	10	—	☁ a.
30	29.87	29.80	35.3	38.5	30.9	41.2	0.4	0.6	1.199	1.221	97	95	Calm	Calm	10	10	—	
31	29.61	29.40	36.0	34.8	34.1	38.9	1.1	0.0	1.191	1.202	90	100	Calm	N 1	10	10	—	
Mean	29.509	29.529	38.7	39.8	34.1	46.4	0.9	1.0	1.223	1.230	92.2	91.5	0.8	0.8	7.5	7.8	3.457	

## DEERNES.—FEBRUARY 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +0.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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.								in.	in.	%	%					ins.	
1	29° 39	29° 42	37° 0	35° 2	33° 5	37° 8	3° 0	3° 2	° 165	° 147	75	71	NNE 6	N 4	3	1	—	Stars scintillating 9p.
2	44	54	34° 1	35° 0	30° 8	36° 5	2° 1	1° 7	° 155	° 170	78	83	N by W 4	NNW 2	4	10	—	● showers all day.
3	61	67	35° 0	34° 4	32° 2	37° 0	1° 4	1° 4	° 176	° 171	86	85	NNW 2	NNW 1	9	10	° 04	Fine and mild.
4	64	53	35° 0	35° 4	32° 3	38° 0	2° 0	1° 2	° 164	° 149	80	72	WNW 1	NNW 1	9	10	° 10	★ showers p.
5	58	73	29° 0	32° 3	28° 2	36° 8	3° 8	1° 0	° 072	° 161	45	88	NNE 5	ENE 3	7	5	—	☒. ★ showers.
6	72	48	36° 0	37° 3	31° 0	38° 4	4° 0	1° 4	° 142	° 193	66	88	SE 5	SSE 6	9	8	° 06	Rough and boisterous p.
7	29	29° 14	37° 8	37° 0	35° 0	39° 0	3° 4	0° 6	° 165	° 208	72	95	SE 7	ESE 7	10	10	—	Cold, with ● from 3p.
8	29° 00	28° 8	43° 2	43° 0	37° 0	43° 8	0° 7	1° 0	° 264	° 255	94	92	SE 7	E by S 4	10	4	° 085	∞ (mist) all day.
9	28° 72	84	41° 8	42° 8	40° 0	45° 3	1° 5	1° 3	° 233	° 247	88	90	SW 4	SSE 1	9	10	° 18	Very mild and murky.
10	87	78	42° 4	41° 6	40° 2	45° 4	0° 4	0° 6	° 262	° 250	97	95	N 2	Calm 0	9	8	° 10	Mild and muggy, with (mist).
11	86	86	41° 8	44° 3	40° 0	44° 6	0° 6	0° 8	° 251	° 273	96	94	N 1	SE 4	9	9	° 115	Very mild. Sky inky blue p.
12	66	78	44° 0	44° 0	41° 4	45° 0	0° 0	0° 5	° 288	° 277	100	96	ESE 3	W by S 4	10	10	° 255	● showers most of day. W from 10p.
13	83	28° 48	48° 0	44° 0	40° 0	45° 0	1° 0	0° 5	° 245	° 277	92	96	SSE 4	SSE 4	9	10	° 30	Mild and muggy a. ● p.
14	28° 73	29° 05	41° 3	41° 0	39° 7	44° 5	2° 7	0° 0	° 206	° 215	80	84	S 6	SSW 6	2	1	—	Fine and bright p.
15	29° 05	30	42° 4	42° 7	40° 2	45° 0	0° 9	2° 1	° 252	° 229	93	84	S by W 6	SW 6	5	7	—	Fine and dry all day.
16	36	36	41° 4	45° 4	38° 2	45° 8	2° 0	0° 0	° 203	° 258	79	86	S by W 6	S 6	8	10	° 05	Fine and dry all day.
17	52	74	44° 2	44° 0	42° 8	46° 5	1° 0	0° 8	° 267	° 270	92	94	SSW 3	SW by W 1	10	8	° 08	Very fine and mild.
18	86	29° 88	42° 4	40° 8	39° 4	45° 4	0° 7	1° 5	° 256	° 223	95	88	SW by W 1	N 1	10	8	° 03	● 9a. Fine day.
19	29° 97	30° 08	39° 1	38° 4	36° 8	43° 8	0° 8	1° 2	° 231	° 208	97	90	N 1	NNW 1	0	0	—	Very fine and mild.
20	30° 17	26	38° 8	39° 4	36° 0	44° 6	0° 8	1° 4	° 220	° 214	94	89	Calm 0	SSE 4	0	4	—	Very fine and clear.
21	23	11	42° 0	41° 0	38° 2	42° 6	2° 2	2° 7	° 221	° 202	84	79	SSE 6	S 5	8	0	—	Cold and dry all day.
22	30° 05	30° 01	40° 8	40° 0	37° 2	44° 0	1° 8	2° 6	° 217	° 196	86	79	S 3	WSW 1	0	0	—	Very fine.
23	29° 98	29° 95	40° 5	40° 5	36° 2	45° 5	1° 0	0° 5	° 218	° 241	92	96	Calm 0	E 1	3	0	—	D. Very fine.
24	30° 02	30° 05	41° 2	42° 5	36° 8	44° 3	0° 4	1° 7	° 251	° 236	97	87	SSE 1	SSE 6	0	0	—	L. Very fine.
25	11	12	40° 9	39° 0	36° 5	43° 3	1° 9	1° 2	° 216	° 214	85	90	SSE 6	S 5	8	1	—	
26	10	14	39° 4	38° 0	36° 8	42° 8	1° 6	1° 5	° 210	° 199	87	87	S 2	Calm 0	0	0	—	Very fine day.
27	17	15	40° 2	38° 5	35° 5	44° 8	0° 5	1° 5	° 239	° 204	96	88	SSW 1	Calm 0	0	0	—	Very fine.
28	30° 06	30° 06	42° 0	46° 2	37° 5	47° 6	1° 4	0° 2	° 237	° 308	89	99	SW 3	W 5	10	10	° 10	● 9a. Muggy most of day.
Mean	29° 536	29° 547	39° 8	40° 1	36° 8	43° 0	1° 6	1° 4	° 215	° 221	86° 3	88° 0	3° 4	3° 2	6° 1	5° 5	1° 495	



## BRAEMAR.—FEBRUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	30.6	30.6	28.4	35.0	0	0	in.	in.	%	%	NE	1	N	1	3	7	ins.	* <sup>0</sup> showers. Cloudy, with *
2	28.32	28.37	30.6	30.6	28.4	35.0	0.1	1.1	143	143	84	84	N	0.5	N	0.5	2	10	0.1	
3	28.44	28.52	30.6	30.9	26.9	32.0	0.5	0.7	137	155	89	90	N	0.5	N	0.5	3	7	0.2	
4	28.61	28.67	30.4	31.8	28.4	33.7	0.9	1.1	147	154	86	85	N	0.5	N	0.5	7	9	—	Clear and frosty. * <sup>0</sup> showers. Dull, with * showers.
5	28.66	28.49	30.9	33.9	33.3	32.8	0.4	0.4	107	107	86	86	NE	0.5	NE	0.5	0	0	—	
6	28.46	28.64	30.9	32.9	31.0	32.5	0.6	0.4	108	109	80	89	N	0.5	NE	0.5	8	8	0.1	
7	28.62	28.46	30.6	31.0	28.3	32.5	1.1	0.7	143	156	84	89	SE	0.5	SE	0.5	8	8	0.2	
8	28.20	28.07	33.6	34.8	28.8	37.0	1.1	0.6	170	190	88	94	NE	0.5	NE	0.5	10	10	1.5	
9	27.98	27.78	37.9	37.9	33.0	41.9	0.8	0.6	211	215	93	95	S	0.5	NE	0.5	10	10	1.9	Dull, with ●. Dull day. Dull day. Dull day. Dull day. Dull, with ●. ● showers. ● showers p.
10	28.85	28.77	38.6	40.6	36.3	43.8	1.7	1.8	201	216	86	86	SW	1	S	0.5	7	7	0.8	
11	27.92	28.86	39.8	43.6	36.7	44.0	1.5	1.8	215	245	88	86	SW	1	SW	4	8	8	4.5	
12	28.97	28.87	42.3	43.6	38.3	45.1	1.4	0.7	240	268	89	94	SW	2	SW	2	8	8	2.9	
13	28.72	28.93	37.9	37.3	35.7	44.2	0.7	1.8	213	188	94	85	SW	0.5	SW	0.5	7	2	—	
14	28.87	27.58	34.7	40.3	30.0	41.2	0.9	2.8	184	195	92	78	SW	0.5	SW	1	8	6	3.2	
15	27.79	28.14	35.9	38.6	34.0	42.2	1.4	2.4	186	189	88	81	SW	4	SW	6	7	7	0.5	
16	28.24	28.43	39.9	36.9	35.3	43.0	2.4	2.4	200	175	81	81	SW	6	SW	4	8	6	—	
17	28.42	28.46	36.6	42.6	32.3	43.2	2.5	1.1	173	249	80	91	SW	4	SW	6	8	9	—	
18	28.56	28.76	43.3	43.6	40.3	45.2	2.4	1.1	227	259	81	91	SW	6	SW	1	8	8	3.5	
19	28.77	28.83	39.6	37.1	35.3	48.8	0.6	1.3	231	195	95	88	SW	0.5	SE	0.5	10	9	0.2	
20	28.91	29.07	31.6	29.6	28.0	44.7	1.0	0.9	155	140	86	85	SE	0.5	SE	0.5	4	0	—	
21	29.15	29.19	19.8	32.2	18.7	44.0	0.8	0.7	109	167	74	91	E	0.5	NE	0.5	0	5	—	
22	29.14	29.14	37.8	32.9	28.8	42.7	1.3	1.1	202	164	90	87	SW	6	SW	0.5	8	3	—	
23	29.07	29.02	22.7	30.7	19.3	43.0	1.0	2.2	088	120	73	70	SW	0.5	SW	0.5	0	0	—	
24	28.98	28.97	26.9	31.6	23.0	51.5	0.8	1.1	120	153	83	85	SW	0.5	SW	0.5	1	6	—	
25	29.02	29.09	22.4	30.6	20.4	49.0	0.9	0.6	089	156	75	91	SW	0.5	SW	0.5	0	0	—	
26	29.08	29.12	28.0	27.6	23.0	42.0	1.2	1.0	117	120	76	80	SW	0.5	SW	0.5	3	0	—	
27	29.09	29.16	20.6	20.6	18.2	49.0	1.1	0.9	075	081	68	74	S	0.5	S	0.5	0	0	—	
28	29.30	29.29	15.6	31.6	13.1	52.8	1.1	1.1	057	153	66	85	S	0.5	S	0.5	0	2	—	
29	29.15	29.15	40.5	46.9	29.3	47.3	3.1	2.0	195	274	77	86	SW	1	SW	2	7	7	—	
Mean	28.577	28.562	31.5	34.0	27.4	42.4	1.2	1.2	156	175	83.3	86.0	1.5	1.3	5.4	5.5	1.96			

## LAUDALE.—FEBRUARY 1899.

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

1	29.58	29.61	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
2	29.68	29.76	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
3	29.84	29.89	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
4	29.82	29.85	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
5	29.62	29.75	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
6	29.71	29.85	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
7	29.17	29.14	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
8	29.01	29.08	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
9	29.00	29.03	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
10	29.06	29.09	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
11	29.09	29.12	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
12	28.85	28.88	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
13	28.85	28.88	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
14	28.91	28.94	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
15	29.40	29.43	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
16	29.53	29.56	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
17	29.71	29.74	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
18	29.99	29.02	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
19	30.15	30.18	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
20	30.32	30.35	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
21	30.26	30.29	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
22	30.25	30.28	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
23	30.15	30.18	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
24	30.20	30.23	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
25	30.22	30.25	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
26	30.28	30.31	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
27	30.37	30.40	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
28	30.45	30.48	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.
Mean	29.695	29.700	31.7	29.7	28.3	38.7	1.2	1.7	151	120	85	73	NE 1	NE 1	0	0	—	1.2. Snow on hills.

## DUNDEE.—FEBRUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	29°36	29°39	34°8	33°7	30°7	38°9	2°3	2°1	°158	°151	78	78	N	2	N	2	0	7	—	Fine day.
2	°48	°57	32°7	34°6	29°0	37°9	2°2	1°9	°141	°163	74	81	NW	1	NW	2	7	7	—	Cloudy day. ☼
3	°67	°74	34°4	34°8	32°8	38°7	1°6	2°3	°167	°158	84	78	NW	1	NW	1	10	10	—	Dull day.
4	°72	°53	25°1	28°8	23°5	35°1	0°1	0°5	°132	°144	98	91	NW	1	NE	1	10	5	—	☼
5	°50	°69	31°9	30°6	26°2	36°0	0°2	1°1	°177	°143	98	84	NE	2	NE	2	10	5	°01	Sunshine and cloud. * <sup>0</sup> from 6p.
6	°69	°51	36°9	33°8	29°7	37°3	0°4	0°5	°211	°184	97	94	SE	6	SE	2	10	10	°07	* <sup>0</sup> showers n. and during day.
7	29°24	29°10	36°1	37°6	32°0	37°8	0°6	0°1	°202	°223	95	100	SE	6	SE	1	10	10	°26	☼ 8a.-1p.
8	28°99	28°75	39°5	42°7	35°9	45°8	0°4	0°2	°234	°270	97	98	SE	1	SE	1	10	10	°47	☼ 6a.-9a. and from 5p.
9	°91	°74	38°6	42°3	35°8	44°1	0°6	0°8	°222	°253	95	94	SW	2	SE	6	0	10	°19	☼ n. and from 4p.
10	28°95	°91	43°5	48°2	36°2	48°2	1°5	2°1	°249	°285	88	86	W	1	SW	4	10	10	°32	☼ 11a.-2p.
11	29°02	°82	47°3	45°6	42°3	50°4	1°9	1°4	°280	°274	87	90	W	4	SE	4	5	10	°18	Dull day. ☼ 9p.
12	28°72	°91	42°0	40°8	39°7	46°9	0°5	1°0	°256	°234	96	92	W	1	W	1	10	5	°08	Dull till noon. ☼
13	°85	28°64	38°8	42°2	32°2	43°7	0°3	1°5	°230	°237	98	89	SE	1	SW	4	10	10	°31	☼ 7a.-4p.
14	28°85	29°21	38°6	41°1	34°8	45°6	0°9	1°8	°217	°220	93	85	SW	2	SW	6	5	5	—	Cloudy day.
15	29°30	°51	42°8	39°4	38°2	46°8	2°7	1°6	°219	°210	80	87	SW	6	W	1	10	5	—	Cloudy day.
16	°51	°54	37°5	45°9	29°7	45°9	0°9	1°4	°207	°278	92	91	SW	2	SW	4	5	10	°03	Dull day.
17	°65	°78	44°6	45°6	42°4	49°8	1°6	1°1	°259	°281	88	92	SW	4	W	1	10	10	°20	Dull day.
18	°78	29°85	43°6	41°2	39°8	46°3	0°1	0°6	°282	°246	99	96	NE	1	NW	1	10	10	°17	☼ n. and during day.
19	29°98	30°13	39°8	36°9	35°7	45°5	0°3	1°7	°239	°187	98	86	NW	1	NW	1	10	10	—	Dull day.
20	30°22	°24	32°8	39°5	29°2	42°9	0°5	1°4	°177	°214	94	89	SW	1	SE	2	10	10	—	Cloudy day.
21	°24	°22	41°8	36°3	35°4	45°1	0°9	0°8	°247	°200	93	94	SE	4	SE	2	10	5	—	Sunshine and cloud.
22	°17	°10	31°1	30°7	28°0	37°8	0°6	0°2	°160	°167	91	97	W	1	N	1	5	0	—	☼ <sup>2</sup> till 9a. Cloudy day.
23	°05	°02	28°1	33°1	25°2	43°3	0°6	0°6	°135	°176	88	93	NW	1	W	1	0	7	—	☼ <sup>2</sup> from 4p.
24	°11	°14	30°5	35°2	27°1	43°8	1°0	0°4	°145	°196	85	95	SE	1	NE	1	0	0	—	☼
25	°20	°19	36°0	33°5	30°8	42°2	1°0	0°3	°193	°186	91	96	SW	1	E	1	10	0	—	☼ <sup>2</sup> till 9.30a.
26	°18	°21	28°1	30°3	25°8	33°5	0°6	0°8	°135	°148	88	88	SW	1	W	1	10	10	°03	Dull, with ☼ <sup>2</sup> .
27	°27	°37	29°2	37°6	25°0	41°6	1°7	1°3	°116	°200	73	89	W	1	W	2	7	5	—	☼ <sup>2</sup>
28	30°37	30°31	39°6	45°2	34°9	46°7	1°6	0°9	°211	°280	87	93	W	4	W	6	10	10	—	
Mean	29°606	29°611	36°6	38°1	32°4	42°8	1°0	1°1	°200	°211	90°0	90°0	2°1	2°2	7°6	7°4	2°32			



## LADYLAKE.—FEBRUARY 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +0.026 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	31.7	31.6	29.4	38.8	1.7	1.2	140	150	78	83	—	—	Bright and sunny most of day.
2	29.03	29.03	31.6	32.9	29.4	37.4	1.5	2.3	144	140	80	75	—	—	Overcast from 11 a.
3	34	42	32.0	29.3	28.4	38.2	1.4	0.9	149	137	82	85	—	—	Overcast till 4 p. Chilly p.
4	40	40	29.9	30.3	16.4	35.6	1.3	1.4	170	134	63	79	—	—	Bright all day.
5	45	33	30.3	29.9	22.8	35.6	1.2	1.3	139	132	81	79	—	—	Overcast all day, with cold wind.
6	29.31	29.16	34.7	31.9	28.0	34.8	1.1	1.0	180	157	90	87	—	—	Overcast all day, with cold wind.
7	28.87	28.79	36.3	40.0	30.6	41.8	1.1	0.7	194	232	91	94	—	—	Overcast all day, with showers.
8	67	46	45.4	44.4	40.0	49.2	1.8	2.0	262	248	87	85	—	—	Overcast all day, with showers.
9	65	45	43.0	51.0	41.2	53.0	1.6	1.6	242	333	87	89	—	—	Overcast all day, with showers.
10	67	67	44.0	49.0	42.2	51.6	1.3	2.6	259	285	90	82	—	—	Overcast all day.
11	73	48	47.8	47.8	45.0	51.8	2.0	2.2	283	279	86	84	—	—	Overcast all day.
12	42	63	40.3	41.0	39.4	48.8	1.2	1.2	225	231	91	90	—	—	Overcast all day.
13	48	37	43.0	42.1	35.8	49.6	1.4	2.0	247	226	89	85	—	—	Overcast till 11 a. showers.
14	28.66	28.95	40.3	40.2	36.2	49.6	1.3	1.1	223	226	90	91	—	—	Overcast all day.
15	29.10	29.24	43.2	42.4	34.8	48.6	2.2	1.8	232	233	83	86	—	—	Overcast all day.
16	24	29	40.8	43.7	35.6	48.8	1.9	1.7	216	247	85	86	—	—	Overcast all day.
17	36	48	43.4	47.0	40.0	52.6	2.1	1.8	236	280	83	87	—	—	Overcast all day.
18	47	51	45.8	44.2	38.4	50.0	1.2	1.6	281	255	92	88	—	—	Overcast all day.
19	64	81	41.0	37.0	35.0	47.8	0.7	1.2	242	196	94	89	—	—	Overcast all day.
20	88	86	31.9	39.4	29.6	42.8	1.5	1.1	146	220	80	81	—	—	Overcast all day.
21	90	89	40.4	35.0	33.8	47.4	2.0	1.1	211	182	84	89	—	—	Overcast all day.
22	85	81	27.3	36.3	21.8	54.2	1.7	1.7	100	183	67	85	—	—	Overcast till 11 a.
23	74	73	34.3	35.2	25.2	53.4	1.3	1.5	172	177	86	86	—	—	Bright all day.
24	79	78	29.3	31.1	23.0	44.6	1.4	1.3	124	142	77	81	—	—	Bright all day.
25	86	85	35.0	28.9	21.4	43.8	1.2	1.5	180	117	78	74	—	—	Bright all day.
26	85	85	22.4	27.9	16.8	46.0	1.2	2.3	1080	1090	68	59	—	—	Bright all day.
27	29.95	29.97	26.3	30.7	18.0	45.6	1.7	2.1	1091	122	64	71	—	—	Bright all day.
28	30.03	29.98	38.0	30.2	47.8	—	1.2	1.2	212	231	93	90	—	—	Bright all day.
Mean	29.291	29.293	36.4	38.0	31.0	46.0	1.5	1.6	189	200	83.2	83.9	—	—	

## SCARBOROUGH.—FEBRUARY 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.025 in.

1	29.22	29.20	35.0	35.0	30.2	43.3	0.4	1.2	196	180	95	89	NW 1	WNW 4	10	5	125	314
2	30	38	33.5	37.8	30.0	43.0	0.5	4.0	182	156	94	69	N 3	N 2	7	6	—	—
3	57	66	35.0	34.8	32.0	40.0	1.0	0.8	184	185	90	92	N 1	N 2	7	6	—	—
4	72	51	32.0	32.0	28.7	39.0	1.0	0.3	138	174	87	96	SW 2	SW 3	1	10	—	—
5	37	61	35.8	37.9	30.9	40.1	0.8	4.1	194	155	93	68	Calm 0	NE 3	10	10	—	—
6	66	58	36.0	33.0	32.0	37.9	3.0	0.2	156	184	74	97	SE 4	SE 1	10	10	—	—
7	25	29.16	38.6	42.7	31.3	43.7	0.8	0.8	218	256	93	94	Calm 0	SE 1	10	7	—	—
8	09	28.94	44.0	51.0	38.6	52.1	1.0	0.9	265	351	92	94	SW 2	S 3	1	10	—	—
9	03	28.91	49.3	52.0	45.0	52.0	1.4	1.8	316	340	90	88	S 4	SW 5	7	10	—	—
10	04	29.26	53.2	49.0	47.8	57.3	1.3	1.3	369	315	91	90	SW 3	SW 3	7	3	—	—
11	29.18	28.90	48.0	51.9	43.9	57.2	4.0	1.8	243	339	73	88	S 6	SSW 4	3	10	—	—
12	28.82	29.09	45.9	40.9	37.1	51.9	1.0	0.3	286	249	92	98	S 2	S 4	8	1	—	—
13	28.69	28.78	47.0	45.6	36.2	50.0	1.3	0.6	292	292	90	95	S 2	SW 3	10	8	—	—
14	29.01	29.37	45.0	41.2	35.2	49.3	0.8	0.7	280	244	94	95	SW 4	SW 2	1	2	—	—
15	47	55	39.8	43.2	36.0	43.8	0.4	1.3	238	250	97	89	S 3	Calm 0	7	10	—	—
16	59	69	37.8	40.1	36.3	47.6	1.6	1.6	196	216	86	87	SSW 2	S 1	4	7	—	—
17	74	82	40.0	45.0	36.9	50.0	0.7	4.8	201	201	95	67	S 4	S 2	2	2	—	—
18	82	29.75	40.0	43.7	37.0	47.3	0.4	3.7	238	209	97	73	S 3	Calm 0	10	10	—	—
19	29.92	30.02	44.9	42.0	38.0	48.0	1.9	1.2	255	241	86	90	W 3	NW 3	10	10	—	—
20	30.12	30.15	42.4	40.9	38.1	47.3	0.5	0.9	260	237	96	93	NE 3	NE 3	10	7	—	—
21	21	22	41.2	36.9	35.7	44.3	0.6	1.9	245	183	95	84	SE 3	S 1	5	1	—	—
22	19	13	40.0	38.0	38.9	50.6	0.8	2.4	231	184	94	80	SSE 2	S 1	1	2	—	—
23	07	04	39.0	39.0	29.7	49.0	1.5	1.1	208	216	87	90	SSW 2	SSW 6	4	2	—	—
24	07	09	37.8	40.3	35.6	47.3	1.9	1.4	190	221	84	88	Calm 0	S 1	10	4	—	—
25	19	20	37.3	35.0	35.0	40.3	1.4	1.1	195	182	87	89	S 2	SE 1	10	10	—	—
26	19	20	40.0	31.9	31.8	44.0	0.2	0.2	243	176	98	97	SSE 2	SE 1	6	3	—	—
27	26	32	34.0	40.0	29.8	42.0	0.3	1.2	189	223	96	96	SE 3	SE 1	2	7	—	—
28	30.32	30.28	36.3	35.0	31.7	52.3	1.4	1.1	186	182	87	89	SW 1	SW 4	7	4	—	—
Mean	29.617	29.632	40.3	40.6	35.2	46.8	1.1	1.5	230	226	90.5	88.0	—	—	2.4	2.3	6.2	6.3

Note:—The hygrometrical values for Scarborough are somewhat doubtful.

## CRONKBORNE.—FEBRUARY 1899.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +0.024 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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.	37.8	35.6	35.2	40.5	2.4	1.8	182	175	80	83	ENE 2	NE 3	6	2	ins.	—
2	29.36	29.39	37.8	35.6	35.2	40.5	2.4	1.8	182	175	80	83	ENE 2	NE 3	6	2	—	Fine day.
3	47	61	36.8	32.8	31.8	39.4	2.7	1.8	169	149	77	80	NNE 3	NNE 2	1	1	—	Very fine.
4	72	77	34.5	30.8	28.9	41.4	1.7	1.4	167	138	83	80	Calm 0	NNW 2	0	1	—	Very fine.
5	69	49	38.4	38.8	30.8	39.7	2.6	1.0	183	216	79	92	SE 4	ESE 2	8	10	0.31	Dull day. showers from 4 p.
6	44	58	37.2	39.8	36.5	41.0	1.4	2.4	194	198	87	81	E 2	E 5-6	9	10	0.23	Dull day. Squally showers n.
7	56	44	38.0	38.5	37.2	40.0	0.2	1.4	224	206	98	89	ESE 5	ESE 6-7	10	10	0.140	Overcast, with squally showers.
8	10	29.11	44.8	48.0	38.5	50.7	0.6	0.6	283	319	96	96	SE 4	S 3	10	7	0.074	Dull day. at night.
9	02	28.83	48.5	49.0	45.8	49.2	0.9	0.8	319	327	94	94	SSW 4	S 5	8	10	0.370	Overcast, with squally showers.
10	29.06	28.84	49.2	52.0	47.0	52.0	0.4	2.2	340	330	98	85	SW 3	SSW 7-8	10	8	0.689	Overcast, with squally showers.
11	28.99	29.08	49.0	49.1	41.8	52.4	0.0	0.3	348	342	100	98	S 4-5	S 6-7	10	10	0.126	Dull, with showers.
12	29.12	28.82	48.8	47.8	47.6	51.4	0.6	1.1	339	305	95	92	SSW 4-5	ESE 4	10	10	0.313	Dull, with showers.
13	28.77	29.10	43.6	43.0	42.4	48.2	1.6	0.8	248	259	87	94	SW 3	W 3	10	6	0.287	Overcast, with showers.
14	28.76	28.76	48.2	45.5	36.2	49.4	0.2	1.5	332	270	99	89	SSE 3-4	SW 5	10	5	0.228	Dull, with showers.
15	29.07	29.33	45.4	47.0	41.0	49.2	1.9	1.6	260	284	87	89	WSW 5	SSW 4	3	3	0.002	Dull, with showers.
16	53	58	45.8	36.0	35.0	49.5	2.6	0.8	259	197	81	93	WSW 3	N 1	3	0	0.002	Very fine.
17	61	67	45.8	47.0	33.0	48.4	2.2	0.2	259	318	84	99	S 3	SSE 3-4	10	10	0.074	Very fine.
18	72	80	48.3	48.0	44.5	48.7	2.1	0.7	287	317	85	95	SE 4	SE 2	2	10	0.104	Dull day.
19	80	29.89	48.2	43.0	43.0	48.6	0.0	0.8	337	259	100	94	S 1	NW 1	10	7	0.010	Very fine.
20	29.99	30.10	42.8	43.0	39.0	48.2	1.3	1.0	247	255	90	92	SW 1	NE 3	9	4	—	Cloudy day.
21	30.11	30.06	42.9	42.1	41.1	43.5	2.4	1.0	226	246	82	92	E 4-6	E 6-7	9	10	0.340	Squally.
22	15	16	42.6	41.4	41.0	47.5	1.6	2.4	238	212	87	82	SE 5	ESE 5	7	0	—	Dull day.
23	15	12	41.5	41.0	39.0	47.2	1.9	0.8	223	239	86	94	ESE 4	ENE 2	3	0	—	Fine p.
24	06	07	42.7	35.8	35.0	50.8	2.7	0.6	218	199	80	95	E 3	N 1	3	2	—	Very fine.
25	12	11	45.0	33.8	33.8	47.3	1.4	1.2	266	170	89	87	ESE 3	Calm 0	9	0	—	Very fine.
26	15	19	40.2	40.2	32.6	44.0	1.6	0.7	216	235	87	94	ESE 4	ESE 4	6	3	—	Very fine.
27	20	23	37.2	31.6	31.6	43.8	1.6	0.4	191	169	86	95	E 3	N 1	8	0	—	Fine day.
28	31	39	40.0	33.0	29.0	48.4	1.2	1.2	222	163	90	87	Calm 0	NNE 2	0	0	—	Very fine.
29	30.43	30.45	45.7	48.6	32.0	50.5	1.5	2.8	272	276	89	81	SW 4	WSW 3	7	7	0.001	Very fine.
Mean	29.624	29.641	43.2	41.5	37.4	46.8	1.5	1.2	251	242	88.4	90.1	3.2	3.4	6.8	5.2	3.023	



## HILLINGTON.—FEBRUARY 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +0.021 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	34.8	33.8	32.5	41.3	1.1	0.3	in.	in.	%	%	NW	1	NW	1	0.08	* <sup>0</sup> ga. $\Delta$ 2p. and 4p. [sunset. * <sup>1</sup> early a. Very fine. Splendid * <sup>2</sup> Cloudy day. Clear p. * <sup>3</sup> Fine and sunny. * 2p. Overcast, cold and damp. Overcast, with p. * p. Heavy squall, with $\bullet$ 3.45p. Much cirrus. [ $<$ 7p. Cirrus cloud. $\bullet$ 1p.-4p. (gale) n. Lovely day. (gale) 3p.-5p. Fine day. Much cirrus. (gale) n. Much cirrus. (gale) 2p.-5p. (violent gale) 7p.-9p. [D Very fine and sunny. Much cirrus. Fine a., overcast p. $\bullet$ 2 after 5p. $\infty$ $\infty$ $\infty$ early a. Very misty and damp. $\infty$ early a. trees dripping. Overcast all day. $\infty$ Cirrus cloud. [set. $\infty$ Sky intense blue. Fine sun. $\infty$ Much cir. Sky intense blue. $\infty$ Much cir. Very fine. [clear. $\infty$ Much cir. Very fine and $\infty$ Very fine. Cir.-c. p. $\cup$ $\infty$ then fine. Clear evening. $\infty$ trees and paths covered. $\infty$
2	29.34	29.32	34.8	33.8	32.5	41.3	1.1	0.3	1.80	1.88	88	96	NW	1	NW	1	0.08	
3	38	49	34.9	28.9	28.9	39.3	2.3	0.3	1.59	1.50	77	94	NE	1	N	1	0.02	
4	68	66	33.0	30.9	27.5	40.8	0.3	0.2	1.82	1.68	96	96	NW	0.5	NW	0.5	0.02	
5	44	69	33.9	37.1	31.9	38.5	1.1	0.5	1.72	2.11	88	95	NW	0.5	S	0.5	0.07	
6	70	65	34.9	33.4	32.7	37.3	1.9	0.5	1.67	1.80	81	93	SE	0.5	NE	0.5	0.01	
7	39	37	39.9	41.1	33.0	53.3	0.2	0.4	2.41	2.49	98	97	ESE	5	SE	2	0.14	
8	35	16	46.8	52.7	40.9	53.2	0.9	1.3	2.98	3.62	93	91	SE	2	S	1	0.21	
9	36	25	48.1	57.0	47.1	57.7	2.3	4.4	2.80	3.42	83	74	SW	1	S	5	0.09	
10	35	43	53.7	50.1	50.1	64.4	5.0	2.3	2.86	3.04	69	84	S	3	SW	6	0.14	
11	45	20	49.3	51.5	46.9	54.4	1.6	3.8	3.09	2.86	89	75	SW	3	SW	4	0.10	
12	06	29.25	45.0	41.0	40.9	52.4	2.9	1.4	2.36	2.27	78	88	SSW	4	SSW	6	0.10	
13	15	28.99	49.9	49.0	36.4	53.5	1.3	4.7	3.25	2.39	91	69	SW	6	SW	4	0.02	
14	35	29.55	45.8	43.9	42.1	51.5	3.0	1.1	2.41	2.62	78	91	SW	3	SW	8	0.01	
15	67	67	44.3	44.4	39.4	52.1	0.7	0.2	2.75	2.88	95	98	SW	5	SW	1	0.30	
16	74	88	39.8	39.5	38.0	49.4	1.0	1.3	2.25	2.16	92	89	SW	2	SW	0.5	0.01	
17	96	95	41.5	41.4	35.0	54.4	0.8	0.8	2.44	2.43	94	94	NW	1	SW	0.5	0.01	
18	29.96	29.95	40.0	41.7	38.7	48.4	0.2	0.2	2.42	2.64	98	100	S	1	SSE	2	0.01	
19	30.05	30.10	42.7	41.9	38.6	48.5	0.0	0.2	2.74	2.61	100	98	SE	1	SE	0.5	0.01	
20	16	18	42.7	40.9	40.1	44.8	1.0	1.2	2.32	2.30	92	90	SW	0.5	NE	0.5	0.01	
21	28	27	40.1	35.3	35.0	45.3	2.2	0.5	2.04	1.96	82	94	E	4	E	4	0.01	
22	30	24	38.6	32.4	30.0	51.4	1.7	0.7	2.01	1.68	85	90	E	5	ESE	2	0.01	
23	20	16	36.8	32.7	27.7	51.9	1.2	1.0	1.95	1.64	89	88	E	2	SE	1	0.01	
24	19	22	33.4	34.7	26.0	51.4	1.7	1.0	1.56	1.81	81	90	SE	1	SE	0.5	0.01	
25	30	30	34.8	30.1	28.7	42.1	1.2	1.2	1.79	1.36	88	81	SE	0.5	SSE	1	0.01	
26	29	30	33.9	31.9	24.0	45.2	2.2	1.1	1.52	1.55	78	85	ESE	1	ESE	0.5	0.01	
27	43	47	33.1	28.0	27.9	42.4	2.3	0.3	1.42	1.44	75	94	ESE	2	ESE	2	0.01	
28	30.52	30.48	27.7	33.0	20.8	50.4	0.1	1.4	1.48	1.58	99	84	E	2	E	0.5	0.01	
Mean	29.783	29.782	39.5	38.9	34.5	48.4	1.4	1.2	2.18	2.20	87.6	89.8	SSW	1	SW	1	0.01	

## CHURCHSTOKE.—FEBRUARY 1899.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.  
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +0.018 in.

1	28.89	28.92	35.1	29.1	28.4	36.8	1.3	0.2	1.79	1.54	87	96	Calm	0	NW	1	10	0	—	☼ <sup>0</sup> (mist) a. and p.
2	28.96	29.16	28.1	26.1	21.5	36.0	0.2	0.2	1.48	1.34	96	95	NNE	1	NW	1	9	0	—	☼ Still and sharp.
3	29.27	34	23.9	25.1	19.9	39.9	0.4	0.4	1.13	1.20	88	89	E	1	Calm	0	0	0	—	☼ Bright and sharp.
4	29.27	10	28.9	31.9	22.0	34.5	0.6	1.0	1.42	1.57	89	87	E	2	E	1	8	10	—	☼
5	28.97	16	32.9	33.4	31.6	34.9	0.6	0.6	1.74	1.80	92	93	Calm	0	ESE	2	10	10	0.275	Damp, with ☼ <sup>0</sup> (mist).
6	29.15	29.03	33.4	33.1	32.9	35.8	0.5	0.2	1.80	1.84	93	97	ESE	2	E	2	10	10	0.130	Cold and raw. ☼
7	28.77	28.75	40.3	43.3	32.9	49.6	1.2	0.4	2.25	2.71	90	97	SSE	2	SW	1	8	10	0.574	☼ <sup>2</sup> showers.
8	73	59	45.8	45.0	43.3	51.1	1.7	1.1	2.69	2.73	87	91	SSW	2	SW	4	9	0	0.340	☼ <sup>2</sup> showers in evening.
9	77	68	47.7	51.9	43.9	54.0	2.0	0.9	2.83	3.62	85	94	SSW	3	SW	4	10	10	0.825	☼
10	81	87	55.1	47.3	47.0	55.5	3.7	1.5	3.33	2.89	76	88	SW	6	SW	3	9	8	0.085	Very rough.
11	87	52	49.1	45.8	43.4	54.3	3.2	1.6	2.72	2.71	78	88	SW	2	SW	4	8	10	0.460	Stormy, with ☼ p.
12	41	73	40.3	40.6	38.0	47.2	0.4	1.5	2.41	2.22	97	88	SSW	2	WSW	1	6	10	0.458	Heavy clouds.
13	44	28.48	48.7	40.6	38.9	49.3	0.9	1.2	3.21	2.27	93	90	SW	2	SW	4	8	0	0.730	☼ <sup>2</sup> showers.
14	28.80	29.00	42.8	39.4	36.4	51.3	2.0	0.5	2.32	2.31	84	95	W	5	SW	1	4	5	0.010	Bright and warm.
15	29.18	18	42.3	38.6	36.2	48.9	1.0	0.3	2.48	2.28	92	97	W	2	W	2	10	5	0.130	Cloudy and cool.
16	26	34	39.2	40.8	31.1	49.1	1.1	1.4	2.18	2.25	91	88	SW	2	E	2	8	5	—	☼ Bright, but with cool breeze.
17	36	38	40.7	50.9	36.1	57.0	0.6	2.0	2.40	3.21	95	86	E	1	Calm	0	9	10	—	☼ Cloudy and cool.
18	41	50	44.8	46.6	42.9	53.0	1.3	0.9	2.66	2.96	89	93	E	1	SE	1	10	9	—	☼
19	56	64	44.8	39.8	38.0	53.1	1.9	0.9	2.54	2.26	86	93	W	2	E	1	9	10	—	Bright day.
20	60	59	41.7	43.0	39.8	44.1	1.8	0.6	2.26	2.64	86	95	E	4	E	3	10	10	0.050	Cloudy, with cold wind.
21	71	71	41.6	32.9	32.5	49.0	2.5	1.0	2.12	1.66	80	88	ESE	2	E	2	6	4	—	Bright and cool.
22	72	70	35.9	31.4	30.2	49.0	2.2	1.5	1.70	1.42	80	80	E	3	SE	1	2	2	—	☼ a. Bright day.
23	63	68	33.9	35.8	24.1	45.3	2.9	0.9	1.40	1.92	72	92	NE	1	SE	1	8	3	—	☼ <sup>0</sup> Bright day.
24	68	68	36.4	33.9	31.4	49.5	1.5	0.5	1.86	1.84	87	94	SE	1	SE	1	9	0	—	☼
25	74	75	26.3	28.9	24.6	40.5	0.4	0.5	1.28	1.45	90	91	Calm	0	E	1	10	0	—	☼ <sup>2</sup>
26	77	29.79	25.9	28.8	20.2	45.1	0.5	1.4	1.22	1.19	88	75	SE	1	SE	1	9	0	—	☼ Cloudy and sharp.
27	29.88	30.00	29.1	28.4	21.4	46.5	1.2	0.5	1.27	1.40	79	91	SE	1	NE	1	0	0	—	☼ <sup>0</sup> (mist). Bright and sharp.
28	30.06	30.06	31.3	31.9	24.4	53.1	0.4	1.0	1.66	1.57	93	87	SE	1	W	1	2	0	—	☼ <sup>0</sup> (mist).
Mean	29.237	29.261	38.1	37.3	32.6	46.9	1.4	0.9	2.08	2.10	87.3	90.6	1.9	1.7	7.5	5.0	4.067			

## ST DAVID'S, PEMBROKE.—FEBRUARY 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +0.018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			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.	35.3	36.5	33.0	41.2	2.4	1.0	in.	in.	%	%	ESE	1	E	2	10	10	ins.	☼ <sup>0</sup> a. Overcast all day. [wind.
2	29.26	29.22	35.3	36.5	33.0	41.2	2.4	1.0	1.60	1.97	78	92	NE	2	ENE	3	2	2	—	☼ a. Bright and sunny, cold
3	33	50	32.8	34.2	29.2	40.5	1.2	1.7	1.62	1.64	86	82	E	3	SE	4	0	0	—	☼ a. Bright and sunny.
4	63	61	33.7	36.1	27.9	40.8	2.2	2.6	1.50	1.66	77	77	E	3	SE	4	0	0	—	☼ (gale). ☼ 10a.-11a. and 2p.-4p.
5	51	35	38.3	39.5	32.2	40.6	1.7	0.0	1.98	2.43	86	100	ESE	8	ESE	5	10	10	305	☼ (mist) a. Overcast and squally.
6	31	32	38.6	38.4	38.0	40.8	0.0	0.0	2.34	2.32	100	100	ESE	2	ESE	6	9	10	162	☼ showers a. Sunny p.
7	40	26	41.2	39.3	37.5	43.6	0.3	0.3	2.53	2.34	98	98	SE	6	ESE	6	10	10	154	☼ showers a. Sunny p.
8	29.05	29.04	46.7	48.3	38.8	50.7	0.2	0.0	3.15	3.39	99	100	SSW	6	SSW	6	9	10	142	☼ a. Sunny p. [ <sup>&lt;</sup> p.
9	28.95	28.89	47.9	47.4	45.1	51.2	0.0	1.7	3.34	2.86	100	88	SSW	5	SSW	6	10	0	120	☼ <sup>0</sup> (mist). Overcast and damp.
10	29.05	29.00	47.9	50.5	46.1	53.2	0.4	0.0	3.23	3.68	98	100	SSE	5	SSW	7	10	1	455	☼ <sup>0</sup> (mist) a. Overcast and squally.
11	00	29.14	49.5	48.4	48.1	52.2	0.0	0.5	3.55	3.28	100	96	SSW	6	SSW	6	10	1	040	Overcast till noon. ∞ p.
12	29.12	28.89	49.3	45.5	45.5	53.1	0.6	0.0	3.36	3.05	96	100	SSW	6	SSW	6	5	2	312	Sunny a. ☼ 3p.-8p.
13	28.75	29.01	44.5	46.0	43.3	47.2	2.0	0.3	2.49	3.04	85	98	WSW	7	WSW	3	8	10	120	Overcast and squally. ☼ showers.
14	28.71	28.84	49.4	43.5	41.9	52.1	0.7	1.0	3.35	2.60	95	92	SW	7	WSW	7	10	0	225	Overcast and squally. ☼ showers.
15	29.13	29.31	46.1	46.5	42.4	51.1	1.9	0.0	2.68	3.17	86	100	SW	5	SW	3	4	10	030	☼ (gale) ☼ showers a. Bright and sunny.
16	52	54	48.2	39.9	39.3	48.8	0.4	0.0	3.28	2.46	98	100	SE	2	WSW	1	10	2	—	Overcast and squally a. Sunny p.
17	59	65	45.5	45.6	39.9	49.2	1.8	0.1	2.63	3.04	87	100	SW	4	SE	4	9	4	—	Cloudy and squally. ☼ 8p.
18	64	70	45.4	48.2	43.4	49.3	0.2	0.0	2.98	3.38	98	100	SE	3	SE	2	6	10	060	Cloudy day. ☼ 4p.-11p.
19	74	85	47.4	45.5	45.2	51.2	0.0	0.0	3.28	3.05	100	100	SE	1	SE	3	10	4	020	☼ till noon. ☼ <sup>0</sup> (mist) at night.
20	95	98	41.7	41.9	40.3	49.7	0.2	0.0	2.60	2.66	98	100	W	2	NE	3	6	8	225	Fine and sunny. ☼ 8p. [4 p.
21	86	83	39.8	44.5	39.2	46.0	0.0	0.0	2.45	2.94	100	100	NE	3	SE	4	10	10	424	☼ <sup>2</sup> early a. Squally ☼ noon-Sunny day.
22	93	95	42.5	43.5	42.5	48.7	1.1	4.0	2.48	2.01	91	72	SE	5	SE	4	4	0	010	☼ <sup>0</sup> (mist) a. Sunny day.
23	91	29.98	38.5	37.3	36.2	47.2	2.0	2.2	1.94	2.18	84	98	SE	5	SE	4	8	5	—	☼ a. Bright and sunny p.
24	29.95	30.00	39.3	44.5	37.2	48.2	2.6	1.2	1.91	2.66	80	90	SE	3	SE	2	9	8	—	☼ <sup>0</sup> (mist) a. Sunny afternoon.
25	30.03	29.97	42.5	44.5	42.1	48.6	2.0	1.5	2.30	2.59	85	88	E	2	ESE	2	10	9	—	☼ <sup>0</sup> (mist) a. Bright and sunny.
26	01	30.06	40.7	39.3	37.2	49.2	2.9	2.9	1.97	1.85	78	78	E	4	ESE	3	1	2	—	☼ <sup>0</sup> (mist) a. Bright and sunny.
27	08	33	34.8	41.7	32.4	44.2	1.3	2.3	1.76	2.17	88	83	ESE	3	SE	2	5	4	—	☼ <sup>0</sup> (mist) a. Bright and sunny.
28	22	34	35.8	38.5	33.2	44.2	2.4	0.8	1.66	2.17	79	93	ESE	2	Calm	0	6	1	—	☼ <sup>0</sup> (mist) a. Bright and sunny.
29	30.43	30.47	41.9	40.6	36.4	50.2	1.5	1.1	2.35	2.30	89	91	SSE	2	SW	2	0	0	—	☼ a. Bright and sunny.
Mean	29.539	29.565	42.3	42.7	39.1	47.7	1.1	0.8	2.251	2.260	90.7	93.4	3.9	3.8	7.2	5.4	2.804			



## SOUTHAMPTON.—FEBRUARY 1899.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	34.7	32.8	32.1	40.3	0.7	0.8	in.	in.	%	%	NE	1	N	0.5	ins.	☁ a. Dull day.
2	29.42	29.36	34.7	32.8	32.1	40.3	0.7	0.8	1.88	1.70	93	91	NE	0.5	NE	1	3	☁ a. Beautiful day. ☁ p.
3	41	59	30.2	30.4	28.8	39.0	0.4	1.3	1.57	1.37	94	80	NE	2	NNW	1	0	☁ a. Beautiful day. ☁ p.
4	78	89	28.8	30.0	27.5	42.2	0.2	0.4	1.53	1.55	97	93	NE	2	NNW	1	0	☁ a. Beautiful day. ☁ p.
5	88	68	37.0	37.9	26.0	40.2	3.4	1.7	1.95	1.95	72	86	SSE	4	ESE	1	0	☁ a. Beautiful day. ☁ p.
6	36	69	40.6	37.0	36.4	41.2	0.2	0.8	2.49	2.04	98	93	NE	0.5	E	2	10	☁ a. Beautiful day. ☁ p.
7	63	57	40.9	38.2	36.6	42.1	1.7	0.3	2.20	2.24	87	98	ESE	5.5	E	0.5	10	☁ a. Beautiful day. ☁ p.
8	43	44	48.8	50.0	37.8	54.9	0.6	1.1	3.31	3.32	95	92	SW	3	S	2	10	☁ a. Beautiful day. ☁ p.
9	40	42	50.1	51.1	47.8	53.6	1.2	1.2	3.31	3.45	91	91	S	4	SW	6.5	10	☁ a. Beautiful day. ☁ p.
10	45	42	50.7	55.8	47.8	58.2	1.6	5.8	3.29	2.96	89	66	SSW	3	SW	5	10	☁ a. Beautiful day. ☁ p.
11	42	53	54.8	50.5	49.9	60.9	4.9	1.8	3.02	3.22	71	88	SSW	5.5	SW	4.5	10	☁ a. Beautiful day. ☁ p.
12	53	23	50.6	49.8	49.1	53.6	2.7	3.0	3.01	2.85	81	81	SSW	4.5	SW	7.5	8	☁ a. Beautiful day. ☁ p.
13	20	36	45.8	46.1	42.5	51.1	2.8	1.0	2.46	2.88	80	93	SW	6.5	SW	3.5	9	☁ a. Beautiful day. ☁ p.
14	16	22	50.8	48.0	46.2	53.8	2.7	3.9	3.04	2.45	82	74	SSW	8.5	SW	6	10	☁ a. Beautiful day. ☁ p.
15	48	58	46.7	47.5	44.0	51.2	1.9	1.9	2.75	2.83	87	86	SW	2	SW	3	10	☁ a. Beautiful day. ☁ p.
16	73	67	46.8	46.3	44.6	50.5	1.0	0.4	2.96	3.05	93	97	SSW	2	SE	1.5	10	☁ a. Beautiful day. ☁ p.
17	87	94	41.4	44.4	37.7	52.3	0.3	1.2	2.54	2.65	98	91	W	1.5	SSE	2.5	5	☁ a. Beautiful day. ☁ p.
18	93	29.95	45.6	47.1	40.8	53.8	0.8	2.2	2.88	2.72	94	84	SE	3	SE	3.5	0	☁ a. Beautiful day. ☁ p.
19	29.96	30.02	47.6	46.5	44.2	53.9	1.2	0.5	3.00	3.04	92	96	ESE	2.5	Calm	0	10	☁ a. Beautiful day. ☁ p.
20	30.12	10	42.4	47.1	41.9	53.8	0.4	1.5	2.62	2.87	89	97	Calm	0	NE	1.5	10	☁ a. Beautiful day. ☁ p.
21	08	10	45.1	45.7	44.1	48.4	1.0	1.5	2.76	2.73	92	90	E	3	E	4	10	☁ a. Beautiful day. ☁ p.
22	18	19	42.8	40.5	39.8	53.2	2.6	1.7	2.21	2.17	80	86	E	3	E	3.5	5	☁ a. Beautiful day. ☁ p.
23	23	19	39.7	41.9	32.3	54.4	2.7	5.7	1.92	1.62	78	61	E	2	E	3	0	☁ a. Beautiful day. ☁ p.
24	16	19	42.6	39.2	33.8	51.6	3.1	1.1	2.10	2.18	78	91	E	3	SE	0.5	1	☁ a. Beautiful day. ☁ p.
25	20	20	37.7	38.6	32.3	52.7	1.0	1.6	2.07	2.03	91	87	NE	1.5	E	1	5	☁ a. Beautiful day. ☁ p.
26	23	26	34.8	34.1	30.5	48.5	1.5	1.6	1.72	1.65	85	83	NE	2	E	2	0	☁ a. Beautiful day. ☁ p.
27	27	30	34.5	33.1	28.8	47.0	2.1	1.1	1.59	1.66	79	88	NE	1.5	SE	1	0	☁ a. Beautiful day. ☁ p.
28	42	52	34.0	34.7	28.1	48.1	1.8	1.0	1.60	1.82	81	91	NE	1.5	S	1	0	☁ a. Beautiful day. ☁ p.
29	30.64	30.62	30.2	35.8	25.5	50.3	0.1	1.0	1.66	1.93	99	92	NE	0.1	SW	1	10	☁ a. Beautiful day. ☁ p.
Mean	29.806	29.824	42.0	42.1	37.7	50.0	1.6	1.7	2.40	2.39	87.6	87.1	2.8	2.5	6.3	4.3	3.131	

## PLYMOUTH.—FEBRUARY 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +015 in.

1	29°35	29°29	37°6	38°4	36°6	39°2	1°8	1°5	1°91	2°02	84	88	NNE	1	NE	3	10	10	—	Dull and overcast. Very cold.
2	35	36	34°8	33°6	33°1	40°0	1°0	1°3	1°82	1°66	91	86	N	1	N	2	4	0	—	Beautifully fine and sunny.
3	72	78	34°1	37°0	30°0	42°0	1°0	0°9	1°77	2°02	89	92	ENE	1	E	3	0	8	—	☁ a. Beautifully fine and sunny.
4	70	53	38°6	41°3	33°7	42°0	1°2	0°1	2°11	2°57	91	100	ESE	7	NNE	4	10	10	—	☁ a. Beautifully fine and sunny.
5	42	48	42°7	44°3	40°8	51°0	0°3	1°2	2°68	2°63	97	91	W	3	NE	6	3	10	—	☁ a. Beautifully fine and sunny.
6	46	47	44°8	41°3	39°7	48°4	0°4	1°4	2°87	2°31	97	89	NE	5	E	4	9	10	—	☁ a. Beautifully fine and sunny.
7	31	28	49°9	50°1	40°7	53°5	0°1	0°1	3°56	3°60	99	99	SSW	5	SE	6	8	10	—	☁ a. Beautifully fine and sunny.
8	19	15	49°4	50°6	45°6	52°0	0°0	1°3	3°53	3°35	100	91	SSE	7	SSW	7	10	10	—	☁ a. Beautifully fine and sunny.
9	24	27	50°8	54°3	48°0	56°8	0°0	4°2	3°71	3°10	100	74	SE	4	S	5	10	10	—	☁ a. Beautifully fine and sunny.
10	27	41	52°8	50°3	50°3	56°4	2°7	1°1	3°28	3°36	82	92	SSE	5	S	6	10	10	—	☁ a. Beautifully fine and sunny.
11	35	17	50°6	48°4	45°9	53°2	0°9	2°5	3°46	2°80	94	83	SSE	4	SW	7	10	4	—	☁ a. Beautifully fine and sunny.
12	29°14	22	46°6	50°4	40°9	51°2	3°7	0°6	2°35	3°52	74	96	SW	7	SW	7	4	10	—	☁ a. Beautifully fine and sunny.
13	28°98	15	49°2	44°9	39°7	51°0	0°4	0°2	3°40	2°93	88	99	S	7	S	7	10	0	—	☁ a. Beautifully fine and sunny.
14	29°37	50	48°1	44°7	39°6	52°5	2°2	0°2	2°82	2°92	84	98	S	2	ESE	1	7	10	—	☁ a. Beautifully fine and sunny.
15	65	67	45°6	41°6	41°3	47°8	0°0	0°4	3°06	2°54	100	97	SW	1	NW	1	10	2	—	☁ a. Beautifully fine and sunny.
16	78	82	39°6	43°4	33°7	52°3	0°1	0°7	2°42	2°66	99	95	ENE	1	E	2	9	1	—	☁ a. Beautifully fine and sunny.
17	78	83	49°8	50°4	41°6	56°5	0°7	0°8	3°38	3°46	94	94	ENE	2	E	2	1	9	—	☁ a. Beautifully fine and sunny.
18	29°87	29°97	49°1	47°1	46°6	52°2	0°1	1°0	3°47	3°00	99	93	Calm	0	Calm	0	10	8	—	☁ a. Beautifully fine and sunny.
19	30°06	30°05	44°2	48°1	42°6	51°0	0°8	3°4	2°72	2°56	94	76	Calm	0	NE	1	9	10	—	☁ a. Beautifully fine and sunny.
20	29°91	29°97	46°9	46°6	46°1	48°2	0°0	0°0	3°22	3°18	100	100	ESE	6	SE	4	10	10	—	☁ a. Beautifully fine and sunny.
21	30°00	30°02	45°1	45°6	44°6	47°0	1°4	0°5	2°67	2°93	89	96	E	6	ENE	6	9	10	—	☁ a. Beautifully fine and sunny.
22	06	09	43°6	42°9	42°4	47°7	1°2	1°0	2°57	2°55	90	92	E	5	E	2	7	3	—	☁ a. Beautifully fine and sunny.
23	02	13	46°4	40°6	40°1	51°0	1°7	0°7	2°75	2°38	88	94	ESE	1	Calm	0	6	8	—	☁ a. Beautifully fine and sunny.
24	11	08	44°6	46°6	37°6	52°0	1°2	0°2	2°67	3°13	91	99	Calm	0	E	3	5	8	—	☁ a. Beautifully fine and sunny.
25	07	16	46°1	40°8	40°7	52°0	1°2	1°1	2°84	2°22	91	92	E	3	E	3	1	3	—	☁ a. Beautifully fine and sunny.
26	16	21	41°6	39°0	33°5	46°8	1°7	1°1	2°28	2°16	87	91	E	1	E	1	1	0	—	☁ a. Beautifully fine and sunny.
27	28	46	41°6	38°6	35°6	50°0	0°7	0°6	2°49	2°22	95	91	ESE	1	Calm	0	0	0	—	☁ a. Beautifully fine and sunny.
28	30°52	30°59	39°6	38°5	30°4	51°0	0°7	0°0	2°29	2°33	94	100	Calm	0	Calm	0	0	0	—	☁ a. Beautifully fine and sunny.
Mean	29°683	29°725	44°8	44°3	40°1	49°8	1°0	1°0	2°79	2°72	92°5	92°6	3°1	3°3	6°5	6°6	4°695			

## ARMAGH.—FEBRUARY 1899.

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

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			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.	35.1	33.0	30.5	39.0	0.2	1.6	in.	in.	%	%	S	0.5	NE	1	10	0	ins.
2	29.29	29.34	35.1	33.0	30.5	39.0	0.2	1.6	201	155	98	82	S	0.5	NE	1	10	0	—
3	45	58	32.0	27.1	23.0	39.2	0.3	0.4	175	135	96	91	NNE	0.5	NNE	1	8	0	a.
4	66	66	33.7	33.1	24.5	39.0	0.7	1.1	180	166	92	88	NNE	0.5	E	2	10	2	a.
5	52	33	39.0	40.5	31.0	40.5	2.8	0.2	185	248	78	98	SE	3	SE	1	10	10	070
6	38	40	39.4	39.8	37.7	41.2	0.6	2.2	230	202	95	83	ENE	2	E	4	10	10	318
7	29.21	29.21	41.5	42.0	36.5	46.6	0.5	1.5	251	235	95	89	SE	3	ESE	4	10	10	180
8	28.91	28.94	48.0	45.0	40.5	49.2	2.5	0.8	274	280	83	94	SSE	3	SSE	3	10	3	057
9	83	68	47.2	42.5	41.2	49.3	2.4	1.8	269	234	84	86	S	3	S	4	10	8	366
10	87	65	48.0	50.0	41.4	51.2	1.3	1.3	302	327	91	91	S	3	SSW	6	10	10	262
11	79	88	49.2	48.1	42.5	52.3	1.2	2.0	319	286	92	86	SE	4	S	4	10	9	025
12	93	69	49.4	44.0	43.5	52.7	1.8	0.5	307	277	88	96	SSE	3	SSW	3	9	10	307
13	73	94	40.0	39.8	36.7	49.3	0.9	0.9	228	227	93	93	SW	1	S	2	10	10	060
14	50	28.62	47.7	39.9	37.0	48.5	1.1	1.4	304	218	92	89	SE	4	S	4	0	0	010
15	28.97	29.18	42.7	41.7	36.5	48.0	2.9	1.9	214	225	79	86	SSW	4	S	4	2	0	—
16	29.44	47	42.0	37.8	36.5	48.2	1.0	1.4	245	200	92	89	SSW	3	S	2	0	0	010
17	40	49	41.8	45.5	35.5	50.0	0.5	2.5	293	293	97	96	S	4	S	4	10	10	037
18	57	72	48.0	43.0	42.5	49.2	0.9	0.2	312	273	94	98	S	3	NW	1	10	10	627
19	77	29.87	44.0	36.2	36.2	48.7	0.4	0.6	279	202	97	94	N	1	N	0.5	10	2	—
20	29.99	30.06	40.1	38.6	32.5	48.2	2.3	0.8	202	219	81	94	N	1	N	1	3	2	—
21	30.02	29.90	39.8	41.2	31.8	41.7	1.0	0.4	225	251	92	97	NE	2	E	4	10	10	340
22	00	30.00	44.0	40.6	39.8	48.2	0.9	1.6	267	219	93	87	SE	3	ENE	1	10	10	—
23	30.02	30.00	44.8	38.1	32.5	48.0	2.4	1.0	243	209	82	91	SE	1	SSE	2	10	0	004
24	29.95	29.96	42.0	41.6	26.5	47.8	2.2	1.6	221	229	84	88	SSE	2	S	1	2	0	a.
25	30.00	29.99	46.3	44.6	36.8	48.0	3.3	1.8	241	254	77	86	SSE	2	SSE	1	10	10	—
26	00	30.05	45.6	39.4	38.6	48.2	2.0	2.0	261	203	85	84	SSE	3	SE	2	10	8	—
27	09	13	39.6	36.4	35.2	47.0	1.1	1.4	221	189	91	88	SE	0.5	SE	1	0	0	003
28	22	27	40.0	38.0	27.5	47.2	3.1	1.2	187	204	75	89	SSE	0.5	S	2	0	2	a.
29	30.33	30.37	43.6	46.6	32.5	50.4	2.6	3.3	228	243	80	77	SSW	3	SW	2	7	10	—
Mean	29.501	29.513	42.7	40.5	35.2	47.0	1.5	1.3	244	229	88.4	89.6	2.3		2.4	7.9	5.2	2.676	



## DUBLIN (PHENIX PARK).—FEBRUARY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.										Percentage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 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	29.35	29.37	32.7	37.8	31.5	38.1	0.8	3.0	1.69	1.73	91	75	Calm	0	ENE	1	8	2	☼ <sup>0</sup> ☼ 0.30p.-3.30p. ▲ <sup>0</sup> 8p.	
3	29.47	29.62	34.9	37.7	30.8	39.7	2.8	1.5	1.51	1.45	74	80	Calm	0	Calm	0	9	2	☼☼ 0.30p.-3.30p. Clear night.	
4	29.72	29.74	26.0	26.2	22.6	39.9	0.4	0.8	1.27	1.16	90	82	Calm	0	Calm	0	6	0	☼☼ 0.30p.-3.30p. Clear night.	
5	29.58	29.41	39.5	41.3	35.4	43.4	4.0	0.4	1.69	1.52	70	97	ESE	1	SSE	1	10	10	☼☼ 0.30p.-3.30p. Clear night.	
6	29.41	29.45	42.1	42.4	36.7	43.8	0.2	1.5	1.64	1.30	98	89	Calm	0	ESE	2	10	10	☼☼ 0.30p.-3.30p. Clear night.	
7	29.45	29.29	43.5	42.2	39.7	47.4	1.2	2.1	1.56	1.25	90	85	SSE	1	SE	3	8	10	☼☼ 0.30p.-3.30p. Clear night.	
8	29.02	29.05	48.1	47.1	40.8	52.0	3.6	3.0	1.52	1.54	75	79	SSW	2	SSE	1	6	8	☼☼ 0.30p.-3.30p. Clear night.	
9	28.95	28.81	49.3	45.4	44.7	55.1	4.6	2.8	1.46	1.42	70	80	ESE	1	SW	4	10	0	☼☼ 0.30p.-3.30p. Clear night.	
10	29.00	28.80	49.8	50.6	40.1	55.3	2.7	4.0	1.29	1.27	82	74	SSW	2	SW	5	10	2	☼☼ 0.30p.-3.30p. Clear night.	
11	28.90	29.03	51.4	49.6	39.9	53.8	2.4	3.1	1.18	1.20	84	80	SSW	3	SSW	5	9	0	☼☼ 0.30p.-3.30p. Clear night.	
12	29.07	28.83	50.1	44.1	42.9	53.3	3.1	1.5	1.25	1.25	79	88	SSW	2	SW	1	7	8	☼☼ 0.30p.-3.30p. Clear night.	
13	28.77	29.03	40.6	42.2	37.2	46.5	0.7	2.9	1.23	1.10	94	79	Calm	0	SSE	1	9	6	☼☼ 0.30p.-3.30p. Clear night.	
14	28.61	28.75	50.5	41.5	40.3	51.1	3.8	3.5	1.25	1.23	75	74	SSW	3	SW	2	9	0	☼☼ 0.30p.-3.30p. Clear night.	
15	29.11	29.32	42.5	43.1	39.7	49.0	3.2	2.2	1.27	1.21	76	82	SW	3	SSW	1	2	1	☼☼ 0.30p.-3.30p. Clear night.	
16	29.55	29.59	40.9	30.7	30.1	43.9	2.5	0.4	1.06	1.02	81	94	Calm	0	Calm	0	0	0	☼☼ 0.30p.-3.30p. Clear night.	
17	29.55	29.60	45.7	48.1	29.2	49.8	3.0	4.1	1.21	1.21	79	72	SSW	2	SSW	4	9	8	☼☼ 0.30p.-3.30p. Clear night.	
18	29.67	29.78	49.4	45.4	44.8	52.2	3.3	1.4	1.24	1.21	78	90	SSW	1	Calm	0	6	10	☼☼ 0.30p.-3.30p. Clear night.	
19	29.82	29.92	44.5	43.9	43.2	47.4	0.3	0.6	1.26	1.23	98	95	Calm	0	Calm	0	10	10	☼☼ 0.30p.-3.30p. Clear night.	
20	30.05	30.13	38.6	37.7	31.8	49.8	0.7	0.2	1.21	1.20	95	98	Calm	0	Calm	0	4	7	☼☼ 0.30p.-3.30p. Clear night.	
21	29.03	29.05	43.5	45.2	31.5	45.7	1.8	0.5	1.24	1.20	86	97	E	2	SE	1	10	10	☼☼ 0.30p.-3.30p. Clear night.	
22	29.06	29.05	44.9	44.7	36.9	49.2	1.1	0.9	1.22	1.25	92	93	SE	1	SE	1	10	0	☼☼ 0.30p.-3.30p. Clear night.	
23	29.08	29.08	42.7	30.8	30.1	47.7	2.1	0.2	1.20	1.20	84	97	SE	1	Calm	0	7	0	☼☼ 0.30p.-3.30p. Clear night.	
24	29.01	29.06	36.0	41.5	30.3	49.7	1.2	1.6	1.19	1.29	89	88	Calm	0	Calm	0	6	7	☼☼ 0.30p.-3.30p. Clear night.	
25	29.07	29.06	42.7	40.9	32.0	49.9	1.0	1.0	1.25	1.25	92	92	Calm	0	Calm	0	10	5	☼☼ 0.30p.-3.30p. Clear night.	
26	29.07	29.12	45.7	40.5	39.2	51.9	2.4	1.1	1.24	1.22	83	91	Calm	0	Calm	0	8	0	☼☼ 0.30p.-3.30p. Clear night.	
27	29.15	29.20	30.2	29.8	27.1	47.8	0.5	0.3	1.15	1.18	92	95	Calm	0	Calm	0	4	0	☼☼ 0.30p.-3.30p. Clear night.	
28	29.30	29.37	29.4	30.0	21.8	50.2	0.8	0.4	1.11	1.15	87	93	Calm	0	Calm	0	0	0	☼☼ 0.30p.-3.30p. Clear night.	
29	29.44	29.47	44.4	46.9	25.8	55.2	3.3	4.2	1.22	1.22	76	72	SW	1	WSW	1	1	2	☼☼ 0.30p.-3.30p. Clear night.	
Mean	29.580	29.601	42.1	40.6	34.5	48.5	2.1	1.8	1.230	1.221	84.3	86.1	0.9		1.2		7.1	4.3	1.405	

## PARSONSTOWN.—FEBRUARY 1899.

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

Day.	Barometer at 32° Fahr.	Air Temperature.	Humidity.	Wind Direction and Force.	Cloud Amount.	Rain, 24 hours beginning	Remarks.
9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	29.33	29.33	31.7	29.7	36.8	0.0	☼☼ a. Cloudy day. Fine night.
2	29.46	29.59	29.8	27.8	36.9	0.8	☼☼ a. Cloudy day. Fine night.
3	29.66	29.62	23.4	34.7	21.0	0.0	☼☼ a. Cloudy day. Fine night.
4	29.43	29.35	37.9	43.0	33.7	1.0	☼☼ a. Cloudy day. Fine night.
5	29.34	29.27	42.0	43.2	39.8	2.1	☼☼ a. Cloudy day. Fine night.
6	29.41	29.14	44.7	44.6	40.7	0.8	☼☼ a. Cloudy day. Fine night.
7	28.93	28.92	44.5	46.7	42.8	1.6	☼☼ a. Cloudy day. Fine night.
8	28.83	28.72	46.6	44.7	41.8	1.2	☼☼ a. Cloudy day. Fine night.
9	29.01	28.83	48.2	45.9	43.9	1.2	☼☼ a. Cloudy day. Fine night.
10	29.01	28.99	49.7	47.7	42.8	1.0	☼☼ a. Cloudy day. Fine night.
11	29.03	28.98	48.7	44.6	42.0	1.3	☼☼ a. Cloudy day. Fine night.
12	28.82	28.79	38.7	43.2	35.8	0.8	☼☼ a. Cloudy day. Fine night.
13	28.53	28.67	45.2	39.7	38.9	0.5	☼☼ a. Cloudy day. Fine night.
14	29.08	29.26	40.7	39.7	36.9	1.8	☼☼ a. Cloudy day. Fine night.
15	29.51	29.48	38.2	34.7	33.9	1.2	☼☼ a. Cloudy day. Fine night.
16	29.45	29.52	46.2	47.7	32.9	2.2	☼☼ a. Cloudy day. Fine night.
17	29.58	29.73	47.7	44.9	44.7	0.9	☼☼ a. Cloudy day. Fine night.
18	29.80	29.89	43.2	43.2	41.8	0.5	☼☼ a. Cloudy day. Fine night.
19	29.01	29.06	33.2	36.6	31.0	0.3	☼☼ a. Cloudy day. Fine night.
20	29.01	29.81	39.7	46.2	29.7	0.6	☼☼ a. Cloudy day. Fine night.
21	29.06	29.97	46.5	43.2	41.9	1.1	☼☼ a. Cloudy day. Fine night.
22	29.00	29.00	42.6	39.5	38.7	0.7	☼☼ a. Cloudy day. Fine night.
23	29.95	29.95	36.5	44.6	29.6	0.5	☼☼ a. Cloudy day. Fine night.
24	29.00	29.98	45.5	44.9	40.8	0.7	☼☼ a. Cloudy day. Fine night.
25	29.98	29.04	46.2	42.5	41.3	1.4	☼☼ a. Cloudy day. Fine night.
26	29.07	29.14	41.7	35.8	35.3	1.9	☼☼ a. Cloudy day. Fine night.
27	29.21	29.31	36.7	36.7	29.9	0.8	☼☼ a. Cloudy day. Fine night.
28	29.40	29.46	38.6	39.8	31.8	0.5	☼☼ a. Cloudy day. Fine night.
Mean	29.513	29.524	41.2	41.4	36.5	1.0	☼☼ a. Cloudy day. Fine night.

## DEERNES.—MARCH 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
	ins.	ins.							in.	in.	%	%					ins.	
1	29.04	29.81	47.5	46.7	44.7	47.9	0.5	0.5	.316	.307	97	96	W 7	WSW 8	10	10	ins. .035	Mild with ☼ <sup>0</sup> .
2	29.81	74	46.0	46.1	41.0	49.8	2.4	0.3	.257	.395	83	98	WNW 7	WSW 6	8	10	.15	☼ <sup>0</sup> showers.
3	48	.59	43.0	33.0	31.5	47.0	2.0	3.0	.234	.130	84	69	WSW 7	NNW 6	3	10	.13	☼ <sup>0</sup> showers 11 a. - 3 p. ☼
4	72	.91	31.8	34.0	29.8	35.3	0.0	4.8	.180	.112	100	57	N 1	ENE 1	9	8	—	☼ showers a. and p. ☼
5	72	.69	36.0	34.2	31.7	39.0	1.8	1.8	.179	.162	84	81	SbyW 5	Calm 0	10	9	.16	☼ showers a.
6	31	.32	39.3	39.0	32.0	44.3	1.5	1.0	.211	.218	88	92	SbyW 6	SW 2	10	5	.07	☼ till 10 a. ☼ <sup>0</sup> showers p.
7	25	29.31	43.8	40.4	36.0	45.8	2.0	0.9	.242	.232	84	93	Calm 0	NE 3	2	3	—	Very fine all day.
8	29.07	28.82	41.5	40.4	37.8	43.8	1.7	1.4	.226	.222	87	89	EbyS 2	SE 4	7	0	.07	Very fine.
9	28.93	29.23	40.2	43.0	38.8	43.8	1.0	1.5	.228	.245	92	88	E 5	E 3	10	10	.12	☼ showers all day.
10	29.35	.35	41.7	45.1	39.0	46.3	0.9	1.7	.245	.261	93	87	SSW 1	WSW 6	10	10	.18	☼ showers.
11	.52	29.36	44.2	47.2	43.0	49.3	0.2	2.0	.285	.277	98	86	S 2	SSW 7	10	6	.24	☼ 10 a. - 4 p. (61 miles per hour)
12	29.94	30.13	42.2	42.0	36.0	49.6	3.5	3.0	.200	.207	75	78	W 6	SSW 4	1	10	.03	☼☼ (sleet) Δ a.
13	30.14	29.97	43.8	48.0	40.0	49.0	1.1	1.0	.261	.309	92	93	SSW 3	SW 5	10	10	.13	Mild and muggy with ☼ all day.
14	.04	30.05	47.8	46.8	46.0	50.0	1.2	1.8	.302	.277	91	87	SWbyW 5	WSW 6	10	0	—	☼ showers a. Stars scintillating
15	.09	.15	47.0	46.0	43.5	49.6	1.7	1.4	.282	.278	88	90	WSW 6	WSW 3	6	10	—	Fine and dry p.
16	.20	.16	46.7	42.2	41.8	49.6	2.1	1.0	.270	.247	85	92	WSW 3	SSW 1	9	0	—	Very fine.
17	.05	.08	46.0	42.2	37.0	49.6	1.9	5.0	.267	.134	87	61	W 5	NNW 8	0	8	—	☼ <sup>0</sup> a. Cold p.
18	30.16	30.07	35.8	31.5	28.0	39.0	4.0	2.5	.140	.122	66	69	N 7	NNW 7	7	5	.04	☼☼ showers all day.
19	29.83	29.71	32.0	31.5	27.2	34.1	2.0	2.7	.137	.119	75	67	NNW 8	N 8	8	4	.06	☼☼ showers all day.
20	.69	.62	27.4	28.2	26.2	32.0	0.9	1.7	.123	.107	83	70	N 6	N 6	10	7	.22	☼☼ showers all day. ☼☼
21	.52	.57	28.8	30.0	25.6	39.0	1.3	2.3	.122	.110	78	66	NNE 6	NNE 6	9	8	.30	☼☼☼ all day.
22	.58	.68	28.0	22.8	30.0	30.0	2.2	2.8	.070	.080	52	54	NNE 8	NNE 7	6	3	.25	☼☼☼
23	.72	.81	29.0	28.0	25.0	31.8	2.0	2.0	.106	.097	67	64	NNE 3	Calm 0	7	10	—	☼☼ ☼☼ Showers a. ☼
24	.78	.83	30.6	30.5	24.2	33.6	2.6	2.5	.111	.112	65	66	Calm 0	E by S 2	1	8	—	☼☼☼



## BRAEMAR.—MARCH 1899.

Height above Mean Sea Level, 1,111 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet 3 inches. Rain-gauge, 9 inches.  
Long. 3° 24' W. Lat. 57° 0' N. Gravity Correction, +0.30 in.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
								Dep.of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
	ins.	ins.							in.	in.	%	%					ins.		
1	29°15	29°03	47°2	44°8	43°0	50°3	2°2	3°3	273	226	85	77	SW	4	SW	4	7	8	Dull day.
2	28°91	28°89	46°6	41°8	40°7	47°1	2°1	1°5	269	234	86	88	SW	4	SW	2	8	9	Dull and damp.
3	62	58	40°9	35°6	32°4	44°0	2°5	2°1	206	170	81	81	SW	4	SW	2	6	6	☉ showers.
4	68	83	28°6	22°4	20°6	36°0	2°1	0°7	102	096	65	81	N	4	NE	0°5	6	2	☉ showers.
5	80	67	30°6	34°6	20°3	38°1	1°1	0°4	143	193	84	96	SW	0°5	SW	2	7	7	Dull, with ☉.
6	40	28	37°4	35°6	32°6	43°8	1°5	1°9	194	174	87	83	SW	6	SW	0°5	8	4	☉ showers.
7	24	28°23	36°4	36°0	32°7	40°0	1°2	1°3	193	188	90	88	SW	2	SW	0°5	8	10	Dull day.
8	28°08	27°75	35°4	35°0	32°2	39°8	0°7	1°5	194	174	94	85	SW	0°5	SW	0°5	6	9	Fair a. ☉ p.
9	27°75	28°15	34°1	37°6	32°0	43°8	0°6	1°3	185	200	94	89	NE	0°5	NE	0°5	10	8	☉ (sleet) ☉.
10	28°40	28°60	48°0	47°8	44°8	50°3	2°5	2°5	187	258	80	83	W	2	SW	6	8	8	Fair and gusty.
11	28°64	28°60	48°0	47°8	44°8	50°3	2°5	2°5	187	258	80	83	W	2	SW	6	8	8	Fair and gusty.
12	29°04	29°19	41°4	39°8	35°8	48°0	5°2	3°0	165	188	63	77	NW	4	SW	1	3	7	Fine day.
13	17	13	40°7	45°6	37°5	51°2	2°0	2°7	213	246	85	81	SW	0°5	SW	2	8	5	Fine day.
14	13	13	47°7	44°6	42°8	54°7	3°4	3°1	253	228	77	78	SW	2	SW	2	7	0	Fine day.
15	14	18	42°8	35°9	34°6	51°8	2°9	1°4	215	186	78	88	SW	1	SW	0°5	5	2	Fine day.
16	19	20	31°3	40°8	23°3	63°0	1°6	0°5	138	244	78	96	W	0°5	SW	0°5	0	0	Fine day.
17	09	05	34°4	39°6	25°2	60°8	1°9	2°1	162	203	81	81	N	2	N	1	7	8	Fine day.
18	29°11	29°08	32°6	28°6	27°2	43°3	1°1	1°1	162	126	87	81	N	2	N	1	4	10	Fine a. Dull p.
19	28°99	28°71	29°4	25°4	24°0	32°2	0°9	0°9	138	108	85	79	NW	1	NW	4	8	9	☉ showers.
20	64	62	24°9	24°6	22°6	32°3	0°7	0°8	110	105	82	80	N	2	NW	4	4	9	☉ showers.
21	50	50	24°9	25°8	22°3	31°2	0°6	1°5	114	093	85	67	W	0°5	N	1	9	7	☉ showers.
22	54	58	24°4	20°9	20°2	27°2	0°9	0°6	101	092	77	82	NW	1	NW	2	10	7	☉ showers.
23	66	78	23°9	18°3	16°0	34°2	0°4	0°8	114	074	89	75	NW	4	SE	0°5	3	5	Fair and cold.
24	79	81	15°1	25°6	3°0	37°0	0°6	1°1	068	103	79	74	SE	0°5	S	0°5	6	4	Fair and cold.
25	71	50	23°6	31°6	14°3	33°2	1°1	0°9	090	157	72	88	S	0°5	E	0°5	10	10	☉ showers.
26	64	69	33°6	33°4	29°0	38°8	1°0	0°9	172	173	89	90	E	0°5	E	0°5	8	10	☉ (sleet).
27	50	28°39	37°6	40°6	31°3	46°0	0°8	1°8	210	216	93	86	SW	0°5	SW	1	9	8	☉ (sleet).
28	30	27°89	46°4	45°6	38°7	50°3	4°2	2°1	225	259	72	85	SW	4	SW	6	7	10	☉ p.
29	16	28°56	44°9	42°6	40°8	49°1	2°4	2°1	245	229	83	85	N	6	SW	2	6	6	☉ showers.
30	94	29°05	33°6	34°7	31°2	42°8	2°1	2°5	151	154	78	76	NE	2	S	2	7	6	Fair and cold.
31	28°84	28°68	32°6	37°6	29°3	37°8	1°1	0°4	162	217	87	97	S	1	S	0°5	10	10	☉ showers.
Mean	28°701	28°685	35°2	35°5	29°5	43°4	1°7	1°6	175	180	82°2	83°1	2°2	2°0	6°7	6°7	2°56		

## LAUDALE.—MARCH 1899.

Height above Mean Sea Level, 14 feet. Heights above Ground:—Bar., 11 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 41' W. Lat. 56° 41' N. Gravity Correction, +0.31 in.

1	30°45	30°32	49°2	49°3	47°3	51°2	2°2	1°8	296	306	85	88	W	5	W	6	7	9	0.8	☉ showers. ☉ (gale) p.	
2	30°21	30°14	48°5	48°0	46°6	50°2	1°2	0°3	311	327	92	98	W	7	W	7	10	9	12	☉ a. and p. ☉ p. [hills.	
3	29°94	29°80	46°2	40°8	40°0	48°2	0°2	1°0	308	233	99	92	WNW	4	W	1	9	9	11	Squally a. ☉ showers. Snow on hills.	
4	29°96	30°08	35°0	35°9	31°9	42°0	1°0	1°3	184	187	90	88	N	2	NNW	2	4	10	33	☉ a. Fine day. Snow on hills.	
5	30°03	29°94	41°7	36°0	32°8	43°3	1°5	1°0	232	193	88	91	NW	3	NNW	2	7	7	49	☉ (sleet) showers. ☉ showers.	
6	29°58	29°42	41°5	42°5	34°5	44°7	1°3	1°8	234	234	90	86	W	3	NW	3	10	3	24	☉ (sleet) showers. ☉ showers.	
7	35	29°42	40°0	36°0	34°7	43°2	1°0	1°0	226	193	92	91	W	2	NNW	2	10	3	25	☉ (sleet) showers. ☉ showers.	
8	29°26	28°85	38°7	38°0	32°4	44°4	1°7	1°0	202	208	86	91	NW	1	NNW	3	10	3	25	☉ (sleet) showers. ☉ showers.	
9	28°94	29°35	38°0	42°6	35°4	46°3	0°7	1°3	214	245	94	89	NNW	2	N	2	7	1	25	☉ (sleet) showers. ☉ showers.	
10	29°62	29°74	45°0	51°0	38°0	51°8	2°2	1°3	249	341	84	91	NNW	2	W	8	10	10	25	☉ (sleet) showers. ☉ showers.	
11	29°78	29°88	51°0	50°7	46°8	52°2	1°8	1°5	328	331	87	89	W	4	W	8	10	10	13	☉ (sleet) showers. ☉ showers.	
12	30°34	30°41	45°3	45°0	41°0	51°2	3°1	2°8	235	237	78	79	N	2	NNW	2	5	5	03	☉ (sleet) showers. ☉ showers.	
13	36	38	50°4	49°7	43°7	52°2	1°2	1°7	335	313	91	88	SW	2	W	2	9	8	02	☉ (sleet) showers. ☉ showers.	
14	38	39	48°7	46°8	45°7	51°8	1°9	1°5	297	284	87	89	W	2	NNW	2	7	9	04	☉ (sleet) showers. ☉ showers.	
15	37	38	47°0	44°5	42°0	51°7	2°0	1°5	275	259	86	89	Calm	0	Calm	0	10	10	—	☉ (sleet) showers. ☉ showers.	
16	40	37	43°5	43°7	35°0	59°3	1°8	1°5	244	251	86	88	SSE	2	SE	1	0	0	—	☉ (sleet) showers. ☉ showers.	
17	32	32	38°4	41°4	29°7	57°5	1°8	0°7	197	246	85	95	Calm	0	NE	1	0	0	—	☉ (sleet) showers. ☉ showers.	
18	38	34	39°0	35°0	33°2	51°5	3°0	2°6	181	154	77	75	E	3	NNE	1	2	4	02	☉ (sleet) showers. ☉ showers.	
19	30°19	30°02	36°0	33°3	29°7	42°0	2°0	1°3	175	164	82	86	NNE	5	N	4	7	7	02	☉ (sleet) showers. ☉ showers.	
20	29°95	29°91	32°0	29°5	28°2	40°4	2°0	1°5	137	123	75	76	NNE	3	N	1	3	2	06	☉ (sleet) showers. ☉ showers.	
21	80	78	31°2	31°0	26°0	40°0	1°0	2°0	151	137	86	72	N	2	N	1	3	2	01	☉ (sleet) showers. ☉ showers.	
22	80	29°88	31°2	28°7	21°0	37°7	1°2	1°7	146	111	83	71	N	2	N	1	3	0	—	☉ (sleet) showers. ☉ showers.	
23	29°96	30°00	29°0	28°7	20°2	39°4	2°0	2°0	106	105	67	67	Calm	0	Calm	0	0	0	—	☉ (sleet) showers. ☉ showers.	
24	30°04	30°02	29°7	31°2	24°0	43°2	2°7	1°2	099	146	61	83	Calm	0	Calm	0	3	10	14	☉ (sleet) showers. ☉ showers.	
25	29°80	29°67	34°0	37°0	30°4	40°8	1°0	2°0	176	182	89	83	ESE	4	NE	2	10	7	17	☉ (sleet) showers. ☉ showers.	
26	81	81	37°2	41°0	35°0	41°2	1°0	1°0	202	235	91	92	E	4	E	3	10	10	26	☉ (sleet) showers. ☉ showers.	
27	54	28°99	48°2	50°6	40°0	53°2	1°2	1°6	307	327	92	89	W	2	SW	2	9	10	16	☉ (sleet) showers. ☉ showers.	
28	44	28°99	50°0	49°0	47°3	51°2	1°0	1°7	334	305	93	88	W	3	W	5	10	10	175	☉ (sleet) showers. ☉ showers.	
29	29°45	29°76	48°0	49°0	46°3	51°7	1°7	2°2	292	294	88	85	NW	5	WNW	5	10	8	27	☉ (sleet) showers. ☉ showers.	
30	30°16	30°20	42°2	44°3	40°0	49°3	3°0	2°3	209	241	78	82	SE	2	S	3	8	10	09	☉ (sleet) showers. ☉ showers.	
31	29°95	29°89	40°7	44°3	37°0	46°2	1°0	0°3	233	284	92	98	S	6	W	2	10	10	69	☉ (sleet) showers. ☉ showers.	
Mean	29°924	29°908	41°2	41°1	36°0	47°4	1°6	1°5	230	232	85°6	86°1	2°7	2°6	6°9	6°5	5°83				

## DUNDEE.—MARCH 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 4 feet. Therms., 3 feet 9 inches. Rain-gauge, 1 foot.  
Long. 2° 56' W. Lat. 56° 28' N. Gravity Correction, +0.30 in.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
								Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			9 p.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.		
1	30°35	30°12	48°6	47°4	43°3	53°1	2°1	3°8	315	241	93	75	W	1	W	6	10	10	—
2	29°08	29°07	49°8	45°1	44°0	52°7	3°0	2°8	285	238	81	79	W	6	W	6	10	10	—
3	70	61	45°8	40°8	39°1	51°6	1°7	2°1	269	212	88	84	W	4	W	6	10	7	—
4	76	95	34°6	31°0	30°0	42°7	3°7	2°3	135	121	68	69	NW	1	N	1	5	5	05
5	92	79	32°3	38°4	29°7	40°1	0°5	3°0	173	176	94	76	SW	1	NW	2	10	10	01
6	52	33	41°7	38°6	36°1	43°3	2°7	1°1	209	213	80	92	SW	8	W	2	10	7	01
7	29	29°27	39°6	39°2	34°4	45°7	1°0	0°5	223	230	92	96	SW	1	NW	1	10	10	04
8	29°13	28°81	38°9	38°4	34°5	45°5	1°1	0°9	216	214	92	93	SW	1	SE	4	10	5	19
9	29°74	29°17	36°7	38°5	35°1	40°7	0°4	0°3	210	227	97	98	NE	1	W	1	10	5	03
10	29°47	29°53	41°4	48°7	33°8	48°7	2°3	1°9	214	298	83	87	NW	1	SW	4	10	10	—
11	29°73	29°69	50°8	49°8	47°1	55°6	2°4	3°3	311	278	84	79	SW	6	SW	8	10	10	—
12	30°16	30°30	46°2	44°0	40°2	52°1	3°2	2°7	242	230	78	79	NW	1	W	1	5	10	—
13	27	21	43°6	47°5	37°9	53°7	1°5	2°0	250	281	88	86	SW	1	SW	4	10	10	—
14	21	20	49°7	46°1	44°7	56°2	2°2	2°4	302	258	86	83	W	4	W	6	5	5	—
15	22	21	48°4	44°9	39°9	52°4	2°9	1°6	271	261	81	88	W	2	W	2	5	5	—
16	29	22	39°2	41°4	32°2	56°2	0°5	1°0	230	240	96	92	SW	1	NE	1	7	7	—
17	14	04	46°2	41°8	34°6	61°0	2°5	1°2	257	240	83	91	W	1	NE	1	7	0	—
18	30°17	30°14	38°8	32°5	31°2	44°0	3°4	2°4	173	135	74	73	NE	6	NW	6	7	10	—
19	29°94	29°76	34°8	29°2	27°4	38°1	2°1	0°4	161	150	80	93	NW	2	NW	2	7	0	—
20	70	69	33°6	29°4	25°6	37°5	2°6	0°4	142	152	74	93	N	2	NW	2	5	5	02
21	55	55	31°4	28°5	25°1	37°6	0°7	0°4	160	145	90	93	NW	2	NW	6	5	10	04
22	57	61	29°8	25°8	24°4	32°5	0°8	0°5	144	123	86	88	N	6	N	6	0	0	02
23	75	82	30°1	29°1	23°0	36°0	1°4	1°4	132	122	78	77	NW	1	NW	1	5	0	—
24	87	87	31°0	30°6	21°1	42°0	2°7	1°3	113	139	65	81	W	2	NE	1	5	10	07
25	79	54	31°1	34°2	27°2	34°2	0°6	0°5	160	188	91	95	E	1	NE	2	10	10	36
26	69	75	37°8	36°4	33°0	40°7	0°8	0°4	210	207	93	96	W	1	E	1	10	10	12
27	48	29°45	40°1	42°8	35°3	50°9	0°6	0°3	236	268	95	98	SE	2	W	1	10	5	05
28	39	28°97	49°1	48°5	42°3	52°2	2°0	1°8	299	297	86	87	SW	6	SW	6	10	10	17
29	89°21	29°62	52°6	46°0	45°0	56°0	5°8	2°3	257	259	65	84	NW	6	W	6	10	5	02
30	30°01	30°14	41°1	37°5	36°0	46°6	3°1	2°0	196	186	76	83	NE	4	SE	2	10	10	29
31	29°94	29°75	35°9	38°5	33°2	39°9	0°4	0°6	204	221	97	95	SE	6	W	1	10	10	22
Mean	29°772	29°744	40°3	39°1	34°4	46°4	1°9	1°5	216	211	84°3	86°5	2°8		3°2	8°0	7°1	1°71	



## LADYLAKE.—MARCH 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	48.6	43.6	42.0	56.6	2.0	3.2	.294	.217	86	76	SW	1	SW	1	6	0	ins.	Cloudy till 4p.
2	29.98	29.92	47.3	44.2	42.6	50.0	2.0	1.2	.278	.263	86	91	W	3	W	1	10	0	—	Overcast till 6p.
3	79	70	41.2	40.4	36.4	50.2	1.5	1.8	.227	.214	89	86	SW	2	SW	2	10	0	—	Overcast till 6p.
4	43	60	35.1	31.3	29.4	40.8	1.5	1.5	.175	.140	85	79	N	2	NW	1	10	0	—	Overcast a. Bright p. Cold wind.
5	65	53	29.9	36.0	24.8	42.4	1.7	1.4	.122	.186	73	87	W	1	W	2	10	0	—	Overcast till 11a., then bright. Cold wind.
6	29.26	29.03	37.4	38.0	34.6	42.8	1.1	1.1	.202	.206	91	90	SW	5	SW	4	10	10	.408	Overcast and very boisterous. ☉ from 11a.
7	28.99	28.98	42.2	39.4	35.2	46.4	0.9	1.2	.250	.218	92	91	SW	3	SW	2	7	8	.168	Cloudy, with frequent ☉.
8	86	43	41.0	36.3	34.0	42.4	1.3	0.4	.229	.207	90	97	SW	2	E	1	10	10	.126	Overcast all day. ☉ at times.
9	28.45	28.83	37.4	37.4	33.6	45.8	1.1	1.6	.202	.192	91	86	SE	1	SE	1	10	10	—	Sunny intervals.
10	29.20	29.35	40.4	45.0	30.8	48.4	1.6	0.3	.218	.292	87	98	SW	1	SW	2	10	10	.074	Overcast all day. ☉ showers p.
11	53	29.51	48.0	47.8	42.4	54.0	1.3	1.2	.302	.303	91	91	SW	2	SW	5	8	6	—	Cloudy all day. ☉ p.
12	29.89	30.01	48.2	39.0	37.6	54.8	1.6	1.3	.297	.212	89	90	W	1	W	1	2	5	—	Sunny and mild.
13	30.00	29.97	40.6	42.4	34.8	52.4	1.2	1.5	.227	.239	90	88	SW	1	SW	1	10	10	—	Overcast all day.
14	29.96	93	48.0	46.4	36.8	51.4	2.6	1.6	.272	.278	82	89	W	2	SW	1	10	10	—	Overcast all day.
15	93	91	47.2	37.4	34.6	55.4	1.5	1.4	.289	.196	90	88	SW	1	SW	1	0	0	—	Bright all day. Chilly p.
16	96	92	34.0	37.0	28.4	58.2	0.2	1.4	.192	.193	98	88	Calm	0	W	1	10	0	—	☉ (mist) till 11a.
17	85	71	46.0	48.0	30.6	65.4	1.7	2.1	.272	.283	88	85	SW	1	W	1	0	0	—	Bright and very mild.
18	81	79	37.4	28.9	27.4	48.0	1.8	1.3	.189	.122	85	78	N	2	SE	1	6	0	—	Very cold p.
19	65	44	36.3	28.3	24.8	41.4	1.7	1.7	.183	.108	85	69	W	1	E	1	3	0	—	Fine from 11a. Frosty p.
20	36	35	31.3	23.1	21.4	38.4	1.6	1.3	.138	.080	78	65	NE	2	NE	1	0	0	—	Fine and frosty.
21	22	19	31.7	27.9	15.0	39.2	2.0	1.6	.134	.107	75	71	N	1	E	1	0	0	—	Fine and frosty.
22	20	23	31.3	26.2	24.6	34.8	2.1	1.5	.128	.096	72	66	N	1	N	2	0	0	—	Fine and frosty.
23	39	47	35.3	23.9	21.8	38.0	1.7	2.0	.174	.068	84	54	N	2	W	1	0	0	—	Fine and frosty.
24	55	55	35.3	26.9	14.0	41.4	1.5	1.3	.178	.106	86	73	W	1	SW	1	0	0	.106	☉ 3p.-4.36p. ☉
25	47	17	35.1	39.0	21.8	40.0	0.7	0.4	.191	.230	93	97	W	2	SW	1	10	10	.308	☉ till 1p., then ☉.
26	36	41	37.0	36.2	33.4	40.6	0.4	0.6	.193	.202	88	94	Calm	0	Calm	0	10	10	.128	Overcast all day, with ☉.
27	18	29.19	44.0	44.0	36.0	55.4	1.3	1.4	.259	.257	90	89	S	2	SW	1	10	0	.062	☉ showers.
28	16	28.74	48.2	48.2	43.0	49.2	1.1	2.3	.310	.281	93	84	SW	5	SW	6	10	10	1.066	☉ all day.
29	03	29.38	50.0	48.0	44.8	54.2	4.0	1.4	.265	.299	74	90	SW	3	SW	3	10	7	.024	Overcast all day. ☉ showers.
30	68	82	39.4	39.0	34.8	49.4	1.7	1.4	.208	.210	87	89	E	2	SW	2	10	7	.264	Cold wind, with ☉ showers.
31	29.59	29.45	38.2	47.8	32.8	47.8	1.0	1.2	.210	.303	92	91	Calm	0	SW	1	10	10	.066	☉ a. Overcast all day.
Mean	29.480	29.446	40.1	38.0	31.7	47.6	1.6	1.4	.220	.203	86.5	84.2	1.7	1.6	6.8	4.4	2.830			

## SCARBOROUGH.—MARCH 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

1	30°28	30°23	46°0	42°7	35°0	57°0	1°3	2°5	280	222	90	81	SW	4	SW	3	10	1	—	☉ p.
2	30°06	30°04	47°9	43°0	36°1	56°9	1°0	0°4	308	268	92	97	W	3	WSW	2	3	6	—	
3	29°78	29°64	42°4	41°7	34°9	50°7	1°5	0°7	238	249	88	94	W	3	SSW	4	7	10	°065	
4	61	80	38°0	30°9	30°9	43°4	0°3	0°3	223	166	97	95	N	4	NNE	3	10	3	°015	
5	98	93	39°6	31°0	30°9	41°3	1°6	0°5	210	161	87	92	W	2	SSW	2	8	7	—	
6	69	53	34°6	39°6	31°0	44°3	0°9	0°6	183	231	91	95	SW	2	SW	1	10	3	—	
7	42	29°37	38°0	40°7	32°0	60°9	0°6	0°6	217	240	94	95	SW	1	Calm	0	3	4	—	
8	29°19	28°99	41°9	42°0	30°9	48°6	0°6	1°0	253	245	95	92	SW	3	S	1	2	10	°170	
9	28°75	29°03	38°9	40°0	32°0	43°2	0°4	1°7	229	213	96	87	SW	2	Calm	0	6	6	—	
10	29°50	71	41°6	46°0	35°0	52°9	0°6	1°1	250	273	95	91	SW	1	SSW	2	3	6	—	
11	29°88	29°91	50°3	50°9	42°6	50°9	1°4	2°0	327	321	90	86	SW	2	SW	3	7	9	—	
12	30°17	30°25	55°0	50°9	41°7	58°3	4°9	2°3	303	315	70	84	W	2	NE	2	1	4	—	
13	31	29	44°3	50°0	35°0	61°3	2°4	1°1	238	331	82	93	SW	1	W	1	4	5	—	
14	27	24	46°3	42°9	34°9	60°3	1°4	0°9	280	257	89	93	SW	1	SW	1	5	6	—	
15	23	20	46°0	45°1	37°5	54°0	1°4	2°5	277	244	89	82	Calm	0	SE	2	9	1	—	
16	22	30°21	47°0	35°0	35°0	54°0	3°0	1°1	253	182	79	89	Calm	0	Calm	0	3	3	°003	
17	30°10	29°93	42°4	48°4	35°0	60°0	0°4	3°4	262	260	97	77	SW	1	Calm	0	7	6	—	
18	29°94	30°01	42°4	36°3	36°0	51°0	4°4	3°4	186	152	68	71	NE	2	N	3	5	6	°068	
19	81	29°60	36°0	33°0	30°0	42°9	2°1	1°0	172	167	81	89	NE	4	N	4	6	7	—	
20	51	59	29°8	31°0	28°9	34°6	0°7	3°0	146	107	89	62	N	5	Calm	0	10	6	642	☉ a. and p. ☉
21	48	38	30°9	27°9	21°0	36°0	1°2	0°9	143	125	83	82	W	1	NW	1	1	5	—	☉ a. and p. ☉
22	31	37	28°9	27°0	20°0	34°0	1°0	1°0	131	115	82	78	NW	4	NW	4	6	6	°191	☉ a. and p. ☉
23	56	65	32°9	27°0	25°2	36°0	3°0	2°0	128	089	68	61	N	4	N	4	6	6	°098	☉ a. and p. ☉
24	81	85	33°0	31°0	25°0	43°0	1°0	1°0	167	149	88	86	NW	2	Calm	0	7	5	°015	☉ a. and p. ☉
25	86	67	36°5	35°0	22°9	37°8	1°6	2°0	185	166	86	81	SW	1	SW	3	10	10	°250	☉ a. and p. ☉
26	65	68	42°0	39°6	33°6	45°0	0°4	3°6	258	176	97	72	Calm	0	Calm	0	10	10	°063	☉ a. and p. ☉
27	58	55	40°0	49°0	34°9	52°6	0°3	2°2	240	293	98	84	SW	3	SW	3	7	6	—	
28	53	56	51°9	51°0	40°3	56°9	2°3	1°0	327	348	84	93	SSW	2	SW	2	7	10	°027	☉ a. and p. ☉
29	35	29°71	52°7	43°0	43°0	56°3	3°8	1°2	301	251	75	90	SW	6	SW	3	3	1	—	
30	88	30°09	47°7	40°0	39°8	53°0	0°8	2°0	311	207	94	84	W	2	N	3	9	7	°322	☉ a. and p. ☉
31	29°95	29°88	35°8	40°6	34°4	53°6	1°1	0°6	188	239	90	95	SSE	2	S	1	10	10	°120	
Mean	29°764	29°757	41°3	39°7	33°1	49°0	1°5	1°5	233	218	87°2	85°5	2°3	1°9	6°3	6°1	2°049			

Note:—The hygrometrical results for Scarborough are somewhat doubtful.

## CRONKBORNE.—MARCH 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	
	ins.	ins.							in.	in.	%	%					ins.	
1	30.47	30.39	47.0	45.4	43.0	52.0	1.5	1.6	.287	.267	90	89	W	2	W	3	—	
2	30.31	30.19	46.6	45.3	41.8	49.2	2.1	1.5	.269	.268	86	89	WSW	4	WNW	2	☉ 9a. Fine day.	
3	29.95	29.75	46.2	44.7	41.0	48.4	2.0	2.0	.267	.251	86	85	W	4-5	W	3	—	
4	29.76	.95	41.2	34.0	33.0	44.7	1.9	1.8	.219	.160	85	81	NW	4-5	NNE	2	☉ Dull day.	
5	30.04	.95	36.4	41.8	28.0	45.3	1.4	3.2	.189	.202	88	77	N	1	WSW	3	☉ Cloudy day.	
6	29.67	.45	43.3	44.0	40.1	45.5	0.6	0.8	.267	.270	96	94	SSW	5-6	SSW	5-6	☉ showers p.	
7	.37	29.39	45.8	44.0	41.3	49.2	2.1	1.5	.261	.255	85	88	SW	3	WSW	2	☉ Cloudy day.	
8	29.25	28.77	42.7	40.0	40.0	44.6	1.5	0.5	.241	.237	88	96	WSW	5	WNW	2	☉ Dull, with squally ☉.	
9	28.88	29.24	42.0	42.0	38.0	46.8	1.4	1.8	.237	.229	89	86	NW	3	E	2	☉ Fine day.	
10	29.65	29.83	46.3	48.7	40.1	49.1	1.3	0.0	.283	.344	91	100	WNW	5-6	WSW	3-4	☉ showers p.	
11	29.98	30.04	51.9	50.2	47.0	55.0	0.9	2.4	.362	.302	94	84	WSW	4	SW	3	☉ Dull day.	
12	30.27	.39	48.8	39.8	39.8	54.6	2.6	1.1	.282	.222	81	92	WNW	2	NNW	1	☉ Cloudy day.	
13	.38	39	49.8	46.0	34.2	52.8	0.2	0.7	.353	.294	98	95	SW	2	W	2	☉ Very fine.	
14	.40	.33	48.3	46.8	42.3	50.4	1.7	1.4	.296	.287	88	90	NNW	3-4	WNW	1	☉ Cloudy day.	
15	.32	.27	47.6	38.4	38.4	51.0	2.6	1.4	.268	.204	82	88	SE	1	NNW	1	☉ Dull day.	
16	.29	.26	52.2	42.6	32.0	60.0	3.2	1.6	.308	.238	79	87	SE	1	NNW	2	☉ Fine day.	
17	.22	.08	53.3	46.0	32.1	58.3	4.5	1.8	.292	.269	72	87	Calm	0	NW	1	☉ (mist) a. Very fine.	
18	.14	30.15	39.8	35.6	35.6	47.5	3.8	2.1	.174	.170	71	81	NE	4	NNE	1	☉ (mist) a. Very fine.	
19	30.06	29.83	39.0	35.7	30.0	42.2	4.0	1.3	.164	.185	70	88	NNW	3	NE	2	☉ Fine day.	
20	29.77	.75	36.4	31.2	28.0	42.1	2.0	0.9	.178	.153	83	88	N	5-6	NNW	2	☉ showers in afternoon.	
21	.61	.60	38.8	29.8	26.3	42.2	1.6	1.2	.205	.134	87	80	N	4-5	N	2	☉ a. Very fine.	
22	.63	.66	38.0	29.0	25.8	41.3	3.8	1.8	.160	.111	69	70	NNW	3	N	3	☉ a. Very fine.	
23	.80	.86	35.4	30.0	26.7	42.2	5.3	0.6	.118	.151	57	90	N	4-5	NNW	1	☉ a. Fine day.	
24	.93	.96	41.2	35.8	22.0	43.5	3.2	0.8	.196	.195	76	93	SSE	2	Calm	0	☉ showers p.	
25	.79	.60	42.2	46.0	29.3	48.0	1.8	4.8	.231	.211	86	68	SSW	6-7	W	3	☉ Very fine.	
26	.71	.76	50.0	46.0	45.0	54.6	0.7	1.6	.342	.280	95	89	W	4-5	SW	4-5	☉ Overcast with squally ☉.	
27	.59	.61	51.0	48.7	45.1	54.4	1.2	1.1	.343	.316	92	92	WSW	5	SW	5-6	☉ Dull a. Fine p.	
28	.54	.23	48.7	51.0	48.3	51.0	0.3	3.0	.336	.299	98	80	SSW	5-6	SW	5-6	☉ Cloudy a. Fine p.	
29	29.63	29.85	51.0	47.8	47.2	54.8	2.3	0.8	.316	.312	84	94	WSW	5-6	W	3	☉ showers p.	
30	30.03	30.10	48.1	45.4	44.3	54.0	2.3	0.4	.280	.294	84	97	WNW	4	SE	2	☉ Fine day.	
31	29.88	29.92	52.0	51.3	42.8	54.4	0.3	1.2	.380	.347	98	92	W	4	NW	3	☉ Cloudy day.	
Mean	29.881	29.856	45.2	42.1	37.0	49.3	2.1	1.5	.261	.241	84.8	87.4	3.6	2.5	6.4	4.2	2.341	☉ at night.



## HILLINGTON.—MARCH 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long.  $0^{\circ} 33' E.$  Lat.  $52^{\circ} 48' N.$  Gravity Correction,  $+0.021$  in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30°50	30°42	41°0	40°0	30°0	53°1	1°3	0	°299	°182	89	74	WSW 1	NW 0°5	9	0	—	
2	31	30°22	39°9	40°0	31°0	52°4	2°2	2°	°202	°203	82	82	NW 2	NW 2	0	0	Cloudy day. Clear evening.	
3	30°06	29°80	38°7	35°0	30°9	48°5	2°0	0°4	°196	°196	83	95	W 1	SW 0°5	6	0	☐☐	

CHURCHSTOKE.—MARCH 1899.

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

1	30°08	30°00	43°9	36°9	30°1	56°0	3°8	1°4	2°08	'192	73	87	W	2	W	1	0	0	—	Fine and warm.
2	29°92	29°79	41°8	31°9	31°0	53°1	2°5	0°6	'214	'166	80	91	W	1	NW	1	8	1	—	
3	'59	'35	39°0	30°9	29°1	48°0	1°3	0°4	'212	'162	89	93	W	1	NW	1	8	0	—	Cloudy day.
4	'29	'50	39°7	31°7	30°1	45°1	1°0	0°6	'224	'165	92	91	W	1	NE	1	6	8	—	☐ a. ✕ <sup>0</sup> p.
5	'63	'58	31°1	30°1	22°2	44°1	0°0	1°2	'174	'136	100	81	WNW <sub>2</sub>		NW	1	c	0	—	☐. Bright and cold.
6	'38	'11	37°7	35°1	27°4	44°9	3°3	2°3	'166	'146	73	72	SSW	3	WNW <sub>2</sub>		6	9	—	Cold, with ☐.
7	29°04	29°05	39°6	40°4	30°0	52°6	2°5	1°4	'194	'222	80	88	SW	1	SW	1	8	2	—	☐☐ showers. ☐
8	28°56	28°41	44°1	36°1	35°0	48°1	3°0	0°7	'225	'199	78	94	SW	2	SW	1	9	3	—	☐☐ showers.
9	28°47	28°88	37°0	39°8	31°0	48°0	0°6	1°1	'208	'223	84	91	W	1	SW	1	8	5	—	Cold wind. Clouds low.
10	29°25	29°50	43°3	46°0	34°2	51°1	1°6	1°7	'245	'251	87	87	WNW <sub>2</sub>	W	2	8	8	5	—	Cold wind.
11	'62	'70	52°7	46°7	43°0	59°6	2°5	1°6	'331	'280	82	88	W	1	SW	2	8	5	—	Mild day.
12	29°85	'97	49°9	47°5	37°0	58°1	1°4	0°6	'323	'313	90	95	W	1	NW	1	8	0	—	Cloudy and warm.
13	30°00	'99	42°6	46°7	32°1	53°9	0°7	1°6	'258	'280	95	88	W	1	SW	1	10	10	—	☐
14	29°97	'89	46°0	38°3	34°2	56°1	1°9	0°4	'267	'224	86	96	NW	1	NNW	1	8	0	—	☐
15	'86	'83	39°0	40°4	29°4	62°4	0°6	1°5	'225	'220	95	88	N	1	NW	1	0	0	—	☐☐☐ (mist).
16	'85	'83	41°6	39°0	32°5	63°3	1°5	0°9	'231	'219	87	93	WSW	1	E	1	0	0	—	☐☐☐ (mist) a. Fine and bright.
17	'79	'63	42°0	44°0	32°4	61°0	1°7	1°1	'231	'203	86	91	E	1	W	1	0	0	—	☐☐☐ (mist) a. Fine and bright.
18	'63	'66	38°1	34°9	31°4	44°3	0°4	2°2	'222	'161	96	79	E	3	E	2	10	10	—	☐☐☐ Raw and cold.
19	'59	'32	33°1	33°7	23°2	41°2	2°7	0°8	'135	'176	71	91	N	2	NW	2	2	10	—	☐☐☐ Bright and sharp. ✕ <sup>9</sup> p.
20	'26	'29	31°9	28°7	26°4	37°5	1°0	0°8	'157	'134	87	85	N	2	N	2	5	3	—	☐☐☐ Cold wind.
21	'17	'11	33°4	25°7	24°0	35°9	1°5	0°6	'160	'118	83	85	WNW <sub>2</sub>		NW	2	8	0	—	☐☐☐ storm.
22	'15	'20	32°1	24°9	23°0	39°0	1°4	0°5	'150	'116	82	87	W	1	W	1	0	0	—	☐☐☐ Bright and sharp. ✕ <sup>0</sup>
23	'27	'40	27°4	24°9	19°8	36°0	0°5	0°4	'133	'119	89	89	N	2	N	2	8	0	—	☐☐☐ Bitter wind. ✕ <sup>0</sup>
24	'50	'60	29°4	27°4	15°5	43°6	1°5	0°5	'122	'133	74	89	N	1	E	1	0	0	—	☐☐☐ Bright and sharp.
25	'49	'29	37°8	26°2	25°1	46°3	3°7	1°1	'160	'287	70	91	S	3	SSW	3	10	10	—	'752
26	'39	'40	45°8	40°0	39°9	56°0	0°9	1°2	'287	'222	93	90	SW	2	SE	2	10	7	—	'045
27	'26	'32	47°3	47°9	36°9	57°2	0°8	2°5	'306	'273	94	82	SSE	2	SW	2	10	9	—	'018
28	'27	'06	51°7	50°4	46°8	58°3	3°5	3°2	'295	'286	77	78	SSW	4	SW	5	9	5	—	'160
29	'27	'51	49°8	46°8	46°8	55°1	3°1	1°9	'281	'275	78	86	W	4	W	2	10	0	—	☐☐☐ showers.
30	'63	'69	49°3	46°4	45°0	58°0	2°6	1°7	'287	'275	82	87	W	3	E	1	8	5	—	'030
31	29°53	29°53	50°5	50°9	42°5	56°0	0°6	0°7	'352	'355	96	95	WNW <sub>1</sub>		WNW <sub>2</sub>		9	10	—	Cloudy and warm.
																				Dull day.
Mean	29°482	29°464	40°9	38°4	31°8	50°6	1°7	1°2	'225	'213	85°1	88°0			1°8		1°5	6°3	3°8	1°552

ST DAVID'S, PEMBROKE.—MARCH 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +.018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30°50	30°43	44°5	41°5	39°1	50°3	1°0	0°7	°271	°248	92	94	WSW 2	W 1	5	0	°001	2 a. Sunny day.
2	30°34	30°19	42°5	40°5	39°0	48°2	2°8	0°8	°215	°235	79	94	NNW 2	NNW 1	10	0	—	2 a. Sunny p.
3	30°00	29°77	42°5	42°0	39°1	45°2	2°1	0°5	°228	°256	84	96	W 1	NW 2	10	0	—	2 a. [7p
4	29°72	°84	43°6	39°0	38°2	45°8	2°1	3°5	°239	°173	84	74	NNW 4	NNE 4	5	9	°004	2 a. Sunny intervals. 2 p. and
5	°98	°92	36°0	40°0	28°0	44°2	2°9	3°3	°160	°184	75	74	NE 3	ESE 5	0	0	—	2 a. Clear, frosty, and sunny.
6	°71	°48	42°7	41°5	39°2	45°2	4°5	3°0	°187	°202	69	78	SW 5	SSW 4	0	0	°022	
7	°39	29°46	47°1	44°5	41°5	51°3	2°6	1°0	°263	°271	82	92	WSW 3	SW 3	2	10	°025	showers a. and p. Sunny day.
8	29°34	28°82	43°5	41°5	41°3	47°8	2°0	1°0	°240	°241	84	92	WSW 3	SW 6	9	10	°160	(gale) 3 p. -cp.
9	28°84	29°44	41°5	43°7	37°4	46°9	2°0	1°9	°221	°244	85	85	NW 3	W 4	5	1	°002	Frequent showers ga. Sunny day.
10	29°69	29°90	44°9	47°9	41°5	49°6	1°4	0°4	°266	°323	90	98	NW 3	WNW 3	2	10	—	Fine and sunny till 3 p.
11	30°02	30°10	48°8	45°5	45°0	50°2	0°0	0°2	°345	°301	100	98	WSW 3	WNW 2	10	1	°002	Damp a. and p.
12	°23	°32	47°5	46°0	45°1	54°5	0°0	0°2	°329	°306	100	99	WNW 2	Calm 0	10	5	°010	a. and p.
13	°36	°34	47°9	45°8	44°3	52°2	0°2	0°3	°328	°301	99	98	NW 1	NW 1	8	4	°001	2 a. Sunny day.
14	°33	°23	49°1	47°0	39°1	54°0	2°3	0°5	°293	°246	84	96	ENE 1	NE 2	0	0	—	a. Sunny day.
15	°20	°15	49°8	47°5	40°6	61°2	2°3	1°5	°300	°291	85	89	E 3	Calm 0	4	0	—	a. Sunny day.
16	°18	°16	53°5	47°7	44°1	60°7	3°7	2°2	°311	°279	76	85	E 2	NE 2	0	0	—	a. Sunny and warm.
17	30°15	30°03	41°1	40°0	39°4	51°2	0°0	0°0	°258	°247	100	100	ESE 2	Calm 0	10	0	—	(mist) a. and p.
18	29°91	29°98	42°5	37°0	37°0	48°3	0°0	2°0	°272	°182	100	83	NE 4	NE 2	10	0	—	2 a. early a.
19	°98	°76	39°2	41°2	28°2	43°2	3°6	3°0	°172	°200	73	77	NNE 3	NNE 5	8	10	°102	* a. Sunny day.
20	°67	°68	34°4	34°4	32°2	42°2	1°3	2°4	°173	°153	86	76	NNW 4	NE 2	10	6	°140	* a. and p.
21	°59	°53	37°5	31°7	30°3	31°6	3°1	0°2	°168	°175	74	98	NNW 3	NNE 4	6	6	°090	* a. and 4 p. ☒
22	°56	°58	35°4	34°5	27°4	49°2	2°7	2°6	°157	°151	75	75	N 3	NW 3	8	5	°132	Frequent * 2 showers a. * Δ 2 p.
23	°67	°80	34°3	35°0	28°5	39°5	3°8	5°0	°130	°118	66	58	ENE 5	NNE 2	6	4	°010	* a. * Δ p.
24	°87	°96	41°0	36°0	28°7	44°0	3°7	3°3	°185	°153	72	72	NE 2	WNW 2	4	3	°010	Sunny but with cool wind. ☐
25	°83	°72	41°3	46°8	35°4	47°5	1°3	0°0	°232	°321	90	100	SW 7	SW 6	10	10	°485	Squally ☐ most of day.
26	°80	°75	48°5	46°1	45°6	59°2	1°7	0°2	°299	°305	88	98	SW 6	SSW 4	4	5	°055	Squally ☐ (gale) n. Fine and sunny
27	°63	°70	49°5	47°9	45°4	52°2	0°0	0°0	°355	°334	100	100	SW 4	SW 5	10	10	°004	showers 4 a. - 8 a. Sunny p.
28	°60	°47	48°8	48°5	47°2	50°5	0°7	0°8	°327	°321	95	94	SSW 7	SW 7	10	6	°172	☐ from 11 a. ☐ p.
29	29°73	29°94	49°9	47°7	47°3	53°2	1°4	0°0	°323	°326	91	99	W 6	W 3	7	0	°040	Sunny a. and p.
30	30°03	30°03	48°5	47°5	47°1	52°4	0°0	0°2	°342	°329	100	100	WNW 2	SW 2	10	10	°074	☐ all day.
31	29°96	29°95	49°5	47°5	46°7	54°2	0°0	0°0	°355	°329	100	100	W 2	W 2	10	10	°004	☐ all day.
Mean	29°864	29°846	44°1	42°5	39°0	49°0	1°8	1°3	°256	°250	86°4	89°4	3°3	2°9	6°9	4°3	1°545	



## SOUTHAMPTON.—MARCH 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		Wind Direction and Force.				Cloud Amount.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	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°03	30°56	31°0	42°5	25°0	59°3	0°2	2°1	1°68	228	96	84	Calm	0	NW	1°5	1	0	—	ins.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—</

## PLYMOUTH.—MARCH 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	30°60	30°56	34°3	39°7	30°6	53°0	0°0	0°0	1°98	244	100	100	NNW 1	N 2	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
---	-------	-------	------	------	------	------	-----	-----	------	-----	-----	-----	-------	-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--

## ARMAGH.—MARCH 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	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°40	30°32	43°7	42°5	40°5	53°4	1°0	1°3	262	243	92	90	SSW	3	SW	3	—	
2	30°23	30°10	45°8	42°7	41°4	53°1	3°0	2°0	243	232	80	85	SW	3	SW	2	10	
3	29°86	29°69	43°2	40°8	38°2	50°0	1°7	1°5	243	223	87	88	SW	2	WSW	1	10	
4	78	94	38°8	28°2	27°9	41°2	2°8	1°0	183	124	78	81	N	1	N	1	10	
5	98	81	35°6	38°7	23°0	44°0	2°8	2°7	156	184	75	79	N	1	S	3	0	
6	50	29	44°0	39°8	36°2	44°2	2°2	1°0	240	225	83	92	S	4	S	3	10	
7	24	29	43°8	40°7	36°0	50°0	2°2	0°7	239	239	83	94	SSW	3	SW	2	2	
8	29°14	28°71	40°5	35°9	35°1	42°5	1°5	0°7	220	198	88	94	SSW	3	SW	2	10	
9	28°85	29°26	40°2	42°0	30°0	50°2	1°6	1°2	216	241	88	91	WSW	2	NW	2	0	
10	29°59	29°77	44°0	49°8	35°5	50°3	1°7	1°8	250	312	86	87	SSW	3	SSW	2	10	
11	29°86	29°91	50°0	50°0	47°5	51°5	1°4	1°1	324	332	90	92	SW	3	SW	5	10	
12	30°23	30°28	48°2	44°2	37°6	54°0	2°6	2°4	274	238	82	82	SW	1	S	1	0	
13	28	29	50°3	49°5	41°2	56°1	1°4	2°0	329	304	90	87	SSW	3	SSW	1	8	
14	30	25	46°4	44°0	44°0	49°6	1°7	0°9	275	267	88	93	SW	2	SW	1	10	
15	21	18	45°3	40°2	31°2	56°2	1°1	0°2	277	245	92	98	S	2	Calm	0	4	
16	22	19	36°0	42°8	30°0	64°0	0°1	1°0	210	254	99	92	Calm	0	Calm	0	10	
17	14	02	50°1	44°5	33°0	64°0	2°5	1°5	299	259	83	88	Calm	0	N	0°5	0	
18	09	30°11	39°7	35°0	32°5	52°2	2°9	1°3	189	178	77	87	NE	2	Calm	0	10	
19	30°02	29°84	40°3	35°9	26°7	45°7	4°1	1°2	173	190	68	90	NNW	0°5	N	1	8	
20	29°75	73	39°0	29°0	27°2	43°0	3°3	2°0	176	106	75	67	N	2	Calm	0	0	
21	61	59	32°6	28°0	27°0	41°3	0°2	0°4	181	140	98	91	NW	1	NNW	0°5	10	
22	60	67	38°6	26°9	24°5	42°0	3°1	0°3	177	137	76	94	NNW	1	N	1	0	
23	79	84	37°5	28°8	21°0	42°0	3°5	0°2	161	153	71	97	N	1	SSW	0°5	4	
24	88	85	35°6	35°5	25°0	45°2	1°0	4°4	191	129	91	63	SW	1	SSW	2	0	
25	55	52	40°0	43°5	34°2	52°2	0°3	0°5	241	271	98	96	S	4	SW	2	10	
26	66	59	50°3	46°6	43°5	56°7	1°3	1°8	331	276	91	88	SW	2	S	3	10	
27	49	42	51°0	50°4	45°0	57°5	2°9	2°9	301	204	81	81	SW	3	SSW	5	10	
28	30	01	50°0	49°4	45°5	53°2	1°1	1°2	332	322	92	91	S	4	SSW	7	10	
29	50	80	50°6	46°5	44°2	53°0	2°9	1°9	296	272	80	86	WSW	4	WSW	2	10	
30	99	96	50°2	45°5	43°0	53°3	2°6	2°0	298	259	83	86	SW	1	SE	2	10	
31	29°84	29°85	53°1	51°6	43°9	55°2	2°4	2°0	339	339	83	86	SW	2	SW	3	10	
Mean	29°802	29°778	43°7	40°9	35°2	50°5	2°0	1°5	246	232	84°8	87°6	2°1	1°9	6°8	6°4	1°744	



## DUBLIN (PHENIX PARK).—MARCH 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
ins.	ins.							in.	in.	%	%					ins.		
1	30° 52	30° 45	44° 3	38° 4	37° 0	55° 8	5° 7	1° 8	180	197	62	86	WSW 1	Calm 0	1	0	—	Beautiful day.
2	30° 37	30° 23	44° 5	42° 9	37° 8	51° 0	2° 9	3° 0	231	214	78	78	W 1	Calm 0	10	7	—	Dull a. Cloudy p.
3	30° 00	29° 50	43° 7	43° 0	39° 9	51° 2	3° 9	1° 1	205	253	73	91	WSW 1	WSW 1	2	4	0° 05	Bright a. ☉ 4p.
4	29° 84	.98	39° 0	32° 3	31° 8	43° 7	2° 1	2° 4	197	133	83	72	NNW 1	WSW 1	4	1	—	
5	30° 05	.93	33° 5	38° 5	20° 8	47° 4	2° 9	3° 0	134	177	70	76	Calm 0	SSW 1	1	2	0° 20	Beautiful day.
6	29° 66	.44	44° 5	42° 0	35° 8	48° 2	1° 3	1° 6	234	233	90	88	SW 2	SSW 1	2	4	1° 20	Cloudy day. ☉ 4p. -5.30p.
7	30° 37	29° 47	43° 5	39° 6	38° 2	53° 0	2° 9	1° 7	221	210	78	86	SW 1	WSW 1	2	1	0° 10	Bright a. ☉ showers p.
8	29° 29	28° 83	40° 7	37° 3	36° 0	44° 7	1° 9	1° 2	215	199	85	90	SW 1	WSW 1	2	2	0° 25	Dull day, with ☉ showers.
9	28° 94	29° 35	36° 1	41° 4	30° 3	47° 4	1° 4	2° 3	187	214	87	83	W 1	WSW 1	2	8	0° 40	Bright a. ☉ showers p.
10	29° 71	29° 88	42° 0	50° 0	35° 3	50° 7	1° 7	2° 1	231	307	87	85	WSW 1	WSW 1	8	8	0° 05	Cloudy day. ☉ 3p.
11	30° 00	30° 06	52° 9	51° 0	48° 9	55° 9	3° 4	3° 4	313	290	78	78	WSW 2	WSW 2	4	9	0° 90	
12	.30	.36	47° 5	43° 7	41° 7	55° 1	3° 2	1° 0	255	262	78	92	Calm 0	Calm 0	1	1	0° 35	Beautiful day.
13	.40	.40	50° 7	49° 6	39° 1	55° 2	2° 1	2° 4	317	296	86	83	WSW 1	Calm 0	9	10	—	Dull and cloudy.
14	.39	.32	48° 7	39° 0	37° 9	56° 0	2° 1	0° 8	293	222	85	94	Calm 0	Calm 0	10	0	—	Dull and cloudy a. Bright p. [u.]
15	.29	.24	42° 4	40° 2	28° 0	53° 1	0° 8	0° 3	254	243	94	97	Calm 0	Calm 0	4	0	—	Beautiful day. ☉ p.
16	.27	.25	43° 0	39° 7	31° 3	58° 6	0° 1	0° 1	275	242	99	99	Calm 0	Calm 0	0	0	—	Beautiful day. ☉ p.
17	.21	.08	44° 6	39° 4	28° 7	62° 2	0° 7	0° 8	279	226	95	94	Calm 0	Calm 0	0	0	—	Beautiful day. ☉ p.
18	.09	.30	42° 5	37° 2	35° 9	44° 4	2° 4	4° 6	222	142	82	64	ENE 2	Calm 0	10	1	—	Beautiful day. ☉ showers p.
19	30° 09	29° 88	37° 9	35° 6	32° 5	43° 0	3° 1	2° 0	172	172	75	82	N 1	Calm 0	2	8	—	Dull a. Cloudy p.
20	29° 80	.80	36° 6	29° 5	28° 8	41° 4	3° 9	1° 6	145	121	69	74	N 1	Calm 0	5	0	—	Bright a. Cloudy p.
21	.67	.66	33° 9	28° 7	23° 8	39° 0	1° 4	0° 8	167	135	85	86	NW 1	N 1	0	0	—	Cloudy day. ☉ 5p.
22	.66	.70	32° 7	30° 7	22° 5	40° 7	2° 3	2° 1	139	122	74	71	W 1	N 1	0	0	—	☉ 11a.-1p. Cloudy day.
23	.81	.90	34° 4	29° 1	22° 9	41° 1	3° 3	1° 3	137	124	70	78	N 1	Calm 0	7	0	0° 10	Bright a. Cloudy p.
24	.96	.96	32° 9	34° 8	23° 9	45° 6	1° 4	3° 6	158	136	84	68	W 1	SW 1	2	0	—	Beautiful day.
25	.69	.62	42° 6	50° 0	34° 3	53° 9	2° 7	3° 2	217	282	80	79	SW 5	SW 2	1	8	0° 05	Bright a. Cloudy p.
26	.77	.69	49° 6	47° 6	46° 0	57° 8	2° 5	3° 7	293	246	83	74	SW 2	SSW 1	2	8	0° 250	Squally ☉ showers p.
27	.60	.59	49° 7	50° 6	46° 6	58° 9	3° 0	2° 8	283	298	80	81	SW 1	SW 3	7	4	—	
28	.46	.56	53° 0	51° 5	46° 9	55° 7	4° 1	4° 3	297	276	74	72	SW 4	SW 4	10	7	1° 55	Cloudy, with squally ☉.
29	29° 64	29° 93	51° 7	47° 3	46° 9	56° 2	3° 9	2° 2	287	273	75	85	W 3	W 1	6	4	—	
30	30° 08	30° 05	50° 0	48° 1	45° 8	53° 6	3° 8	0° 7	269	318	75	95	Calm 0	Calm 0	8	10	1° 45	Cloudy day. ☉ 0 from 5p.
31	29° 94	29° 97	53° 5	52° 2	47° 3	57° 8	0° 9	2° 4	384	328	93	84	W 2	W 1	10	9	—	Dull a. Cloudy p.
Mean	29° 898	29° 877	43° 2	41° 3	35° 6	50° 9	2° 5	2° 1	232	222	80° 9	82° 7	1° 2	0° 7	5° 2	4° 0	0° 920	

## PARSONSTOWN.—MARCH 1899.

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

1	30°50	30°44	35'9	38'8	26'9	53'7	1'0	0'3	*194	*229	92	97	S	I	S	I	0	2	'010	Fine and bright.	
2	30°35	30°22	46'2	43'8	36'8	48'7	2'3	1'9	*261	*245	84	85	SW	I	Calm	0	10	10	—	Cloudy day.	
3	29°99	29°81	44'6	40'2	39'6	50'2	2'6	0'9	*237	*230	80	92	SW	I	SW	0	8	8	—	Fine day.	
4	29°83	.98	39'7	31'3	30'3	43'2	0'8	1'4	*228	*143	93	81	N	I	N	I	10	0	—	Fine, but cool.	
5	30°02	.87	29'5	40'5	21'3	44'7	1'3	1'5	*128	*220	79	88	Calm	0	S	I	3	10	'004	Fine and frosty.	
6	29°61	.40	44'2	38'7	37'3	46'7	2'2	0'0	*242	*235	83	100	SW	I	SSE	I	10	0	'042	Dull and overcast. ∞ 9p.	
7	.35	29°44	44'2	39'7	35'8	51'6	1'4	0'8	*259	*228	89	93	SW	W	I	1	1	1	—	Fine and bright. ∞ 9p.	
8	29°26	28°84	40'2	35'2	33'9	42'8	0'8	0'3	*232	*200	93	97	SW	I	W	1	10	8	'234	Overcast, with ☉.	
9	28°95	29°42	34'9	40'9	29'3	47'8	0'0	1'0	*203	*235	100	92	NW	I	W	1	4	6	'027	Fine and bright.	
10	29°70	29°88	43'6	49'6	33'8	50'0	0'9	0'5	*263	*342	93	97	SW	I	SW	1	10	10	'033	Overcast and cool, with ☉.	
11	29°98	30°05	49'8	50'5	46'9	53'6	1'4	1'5	*322	*328	90	89	SW	I	SW	2	10	10	'048	Overcast and mild. ∞	
12	30°28	.32	46'2	50'7	37'8	55'8	1'3	0'7	*283	*352	91	95	NW	I	S	1	6	10	'040	Fine and bright.	
13	.36	.37	50'2	49'2	46'8	53'5	1'5	1'2	*325	*319	90	92	SW	I	W	1	10	10	—	Overcast and mild.	
14	.37	.29	48'3	41'2	40'8	54'5	1'4	0'3	*304	*253	90	98	SW	I	NW	1	10	0	—	Fine and bright. ∞ <sup>2</sup> n.	
15	.29	.19	43'7	49'5	31'7	63'6	0'0	1'6	*285	*314	100	89	NE	I	SE	1	1	0	—	Fine and bright. ∞ <sup>2</sup> n.	
16	.22	.16	39'7	44'7	32'0	63'8	0'6	0'8	*232	*278	95	94	NW	I	SE	1	0	0	—	∞ <sup>2</sup> a. and n. Fine and bright.	
17	.18	.08	44'6	45'7	32'4	64'8	0'8	0'8	*276	*290	94	95	W	I	Calm	0	0	0	—	Fine and sunny. ∞ <sup>2</sup> n.	
18	.06	.06	30°11	44'3	33'7	33'3	45'9	1'3	0'7	*261	*180	90	92	NE	I	NE	1	10	0	—	∞ <sup>2</sup> at night.
19	30°11	29°92	34'8	37'5	27'7	44'5	1'7	0'8	*168	*209	83	93	N	I	NW	1	0	9	—	Fine, but cold.	
20	29°83	.81	37'7	29'5	28'8	41'4	2'8	0'6	*174	*147	77	90	N	I	N	1	9	0	—	☉ (mist) 9p.	
21	.70	.68	35'6	27'5	22'6	41'3	0'7	0'5	*197	*134	94	90	WNW	I	NW	1	10	0	—	☉. ∞ 9p.	
22	.69	.72	32'5	28'7	20'7	41'8	1'4	0'5	*154	*143	83	91	NW	I	NW	1	1	0	—	☉. ∞ 9p.	
23	.84	.90	30'2	29'6	17'7	41'7	1'3	0'8	*135	*143	80	86	NW	I	NW	1	0	2	—	☉. ∞ <sup>2</sup> 9p.	
24	.95	.86	34'9	36'9	19'8	45'6	1'0	1'0	*183	*200	91	92	SW	I	SE	1	0	10	'071	Fine and bright.	
25	.64	.63	43'6	50'0	34'8	54'0	0'7	0'6	*268	*345	94	96	S	3	W	3	10	10	'176	Dull day, with ☉.	
26	.75	.60	51'0	48'0	45'1	57'2	3'6	2'6	*285	*272	76	82	SW	I	SW	1	8	10	'061	Fine and bright.	
27	.58	.56	49'7	52'5	43'7	58'0	2'8	3'4	*288	*307	81	78	SW	I	SW	3	7	10	'035	Fine and mild.	
28	.41	.26	51'2	51'5	49'5	54'6	2'1	3'5	*323	*293	86	77	SE	2	SW	4	10	10	'329	Squally (gale) ☉ 3p.-6p.	
29	29°68	29°94	51'6	48'0	46'9	53'9	3'8	2'0	*288	*285	76	86	W	2	SW	1	10	8	—	Cloudy and mild.	
30	30°08	30°01	47'6	52'2	40'8	54'5	1'2	0'4	*300	*380	92	98	E	I	SW	1	10	10	'159	Dull and overcast, with ☉.	
31	29°97	29°98	53'2	50'9	49'7	54'3	1'3	1'9	*368	*324	91	87	W	I	W	1	10	10	—	Dull and overcast.	
Mean	29°888	29°862	42'7	41'1	34'7	50'9	1'5	1'1	*247	*252	88'1	90'7	1'1		1'2		6'4	5'6	1'269		

## DEERNES.—APRIL 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
							Dep. of Wet.	Vapour Tension.	Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
	ins.	ins.						in.	in.	%	%					ins.	
1	29.37	29.51	48.4	42.2	39.0	49.0	0.6	3.2	.326	.205	96	77	WSW 8	WbyN 7	10	1	☉ a. ☉ p.
2	.80	.73	41.0	40.7	36.8	49.0	2.6	0.7	.204	.239	80	94	Calm 0	SE 6	2	10	Fine a. ☉ p.
3	.59	29.60	45.0	44.2	40.0	50.3	0.6	1.4	.285	.259	95	89	S by E 3	SW 3	10	2	.10
4	.21	28.93	45.2	44.7	42.0	52.3	1.2	2.5	.273	.240	91	82	WSW 6	WSW 9	10	10	.175
5	.20	29.26	45.2	37.0	37.0	48.2	2.4	0.0	.247	.220	83	100	W 9	WSW 7	8	10	.34
6	.47	.31	43.3	40.4	36.6	46.0	3.3	2.2	.212	.207	76	83	W 7	ESE 3	3	0	.03
7	.22	.31	43.1	40.4	39.2	46.4	2.1	1.4	.233	.222	83	89	ENE 5	WNW 1	8	10	.22
8	.30	.51	38.8	40.0	35.2	44.8	1.0	1.2	.217	.222	92	90	NW 2	NNW 2	10	0	—
9	.53	.44	43.0	39.0	36.0	46.2	2.4	2.0	.226	.199	82	84	W 2	Calm 0	2	2	.05
10	.38	.43	43.0	38.2	36.4	46.0	3.0	2.2	.215	.188	78	82	NE by E 1	NW 3	6	0	.11
11	.47	.56	40.4	37.0	33.2	42.8	1.6	2.0	.218	.182	87	83	NNW 8	NNW 5	6	6	—
12	29.43	.11	38.0	40.0	32.0	40.0	4.0	1.0	.157	.226	68	92	Calm 0	SE 6	10	10	.45
13	28.97	.17	44.0	42.5	36.8	45.2	2.8	2.7	.228	.216	78	80	SSE 7	ESE 6	3	9	.02
14	29.34	.45	40.2	39.2	38.7	45.3	2.2	3.0	.205	.183	83	76	ENE 4	NE 6	10	3	—
15	.46	.51	42.0	37.0	36.6	44.8	4.0	3.2	.190	.163	72	74	NNE 7	NNE 6	3	1	.01
16	.54	.56	37.0	33.0	31.1	41.5	3.8	1.0	.152	.167	69	89	NNW 5	ENE 1	4	1	.10
17	.58	.66	33.3	34.0	30.0	40.8	1.3	2.3	.164	.150	86	77	NNW 1	NW 1	10	1	.04
18	.74	.71	37.0	38.0	30.2	40.4	3.0	4.0	.165	.157	75	68	NW 2	SE 3	7	9	.05
19	.62	.83	40.2	35.0	34.4	43.4	3.2	1.0	.187	.184	75	90	NNE 4	N 1	4	8	.07
20	.80	.86	37.7	33.0	32.2	41.0	1.9	2.0	.190	.147	83	78	N 4	WNW 3	8	1	.08
21	.76	.87	31.2	35.0	29.5	37.0	1.2	3.0	.146	.148	83	72	NNW 5	WNW 5	10	7	.05
22	.96	.95	36.2	37.7	29.2	43.0	2.5	3.2	.168	.168	79	74	W 2	SW 1	7	2	.01
23	.83	.61	46.4	43.0	36.0	48.8	3.4	1.2	.240	.251	77	90	SSW 3	SE 4	3	10	—
24	.38	.24	44.2	45.6	42.0	47.0	0.7	0.6	.275	.292	95	96	SSE 3	ESE 1	10	9	.02
25	.20	.32	45.0	43.0	42.2	46.8	0.0	0.6	.299	.264	100	95	SE 5	ESE 2	10	4	—
26	.47	.64	50.0	46.6	39.2	53.6	3.0	4.9	.286	.214	80	67	NNE 2	Calm 0	0	0	—
27	.67	.56	43.2	43.8	41.2	47.5	0.4	0.8	.271	.267	96	94	SE 4	SE 3	10	10	.075
28	.43	.47	48.0	39.4	38.8	51.8	1.4	1.4	.299	.214	90	89	SE 1	NNE 7	8	10	.07
29	.55	.72	41.8	38.0	36.4	44.3	3.0	3.0	.205	.173	79	75	NE 6	N 5	10	7	.01
30	29.87	29.94	42.0	36.8	34.0	43.8	5.4	2.3	.168	.176	64	81	NNW 4	N 1	7	0	—
Mean	29.507	29.525	41.8	39.5	36.1	45.6	2.3	2.0	.222	.205	82.5	83.7	4.0	3.6	7.0	5.1	2.56



## BRAEMAR.—APRIL 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
							Dep. of Wet.		Vapour Tension.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
	ins.	ins.							in.	in.	%	%					ins.				
1	28.58	28.62	47.7	46.6	36.0	53.0	1.4	2.8	.297	.254	90	81	SW	1	SW	4	8	5	.01	Fine day.	
2	.77	.75	43.3	41.6	39.3	46.8	2.6	1.4	.225	.233	80	90	SW	0.5	SW	0.5	7	10	.12	Dull, cloudy and damp.	
3	.61	.67	47.6	44.0	39.0	54.3	2.2	3.3	.277	.218	85	75	SW	1	W	0.5	8	6	—	Fine day.	
4	.30	.22	49.9	40.6	37.1	52.2	3.1	2.3	.284	.207	80	82	SW	8	SW	4	8	7	.26	Gusty, with showers.	
5	.47	.48	40.8	37.2	35.4	46.0	2.5	2.4	.205	.177	80	80	SW	6	SW	4	4	3	.19	Gusty, with showers.	
6	.59	.24	40.8	38.0	33.3	47.2	4.0	1.9	.180	.192	71	84	SW	2	SW	0.5	2	10	.50	Fine day.	
7	.03	.33	35.3	36.6	32.5	40.0	1.4	2.4	.180	.173	87	80	NE	4	N	0.5	10	8	.20	✱ a. Fair p.	
8	.28	.53	35.6	38.3	28.2	43.0	3.9	1.6	.140	.200	66	87	SW	0.5	NW	1	6	5	.02	Fine day.	
9	.54	.40	41.8	38.8	32.8	48.0	4.6	3.0	.178	.180	68	77	SW	1	W	0.5	6	8	.19	Fine and clear.	
10	.34	.45	37.6	33.6	32.6	44.7	2.1	1.1	.186	.170	82	88	NE	2	N	1	6	10	.11	✱ a. Fair p.	
11	.54	.61	33.8	32.6	31.4	39.8	2.0	0.4	.154	.177	80	96	NW	2	NW	2	7	3	.12	✱ showers all day.	
12	28.43	28.10	33.6	37.6	25.2	43.0	1.0	1.3	.172	.200	89	89	S	0.5	SW	2	7	8	.02	✱ showers.	
13	27.96	27.98	36.2	36.8	34.4	41.3	1.9	1.2	.178	.195	84	90	SE	0.5	E	1	9	10	.76	Dull and cold, with showers.	
14	28.18	28.30	37.4	35.6	33.0	40.2	1.6	1.8	.192	.176	86	84	E	0.5	NE	8	9	6	.17	✱ a.	
15	.33	.42	34.8	33.6	32.0	39.1	2.3	2.8	.158	.138	78	72	N	6	NE	2	8	8	.04	✱ showers.	
16	.52	.59	36.6	31.6	30.0	39.8	4.3	1.1	.142	.153	65	85	N	2	NW	2	4	3	.01	✱ showers.	
17	.59	.66	33.6	32.9	25.7	39.2	1.5	0.7	.162	.173	84	92	N	1	N	0.5	4	0	.01	✱ showers.	
18	.72	.58	32.9	36.6	19.0	42.8	2.1	1.3	.144	.192	77	89	N	0.5	SW	4	6	10	.22	Fine and clear a. ✱ p.	
19	.48	.78	38.6	37.0	33.0	41.7	3.1	3.2	.177	.162	76	74	NW	0.5	N	0.5	8	8	.03	✱ showers.	
20	.83	.86	36.6	34.6	32.2	43.9	2.9	2.1	.165	.160	76	79	N	0.5	NE	0.5	8	6	.01	✱ showers.	
21	.71	.88	37.6	28.6	27.0	41.0	5.1	1.7	.138	.110	62	71	NW	4	NE	0.5	6	2	—	✱ showers.	
22	.94	.95	34.4	35.9	17.0	43.0	3.2	2.7	.139	.162	71	77	E	0.5	NW	0.5	0	7	—	Fine and clear.	
23	.84	.59	40.6	40.4	32.9	49.1	3.8	1.9	.181	.213	72	85	SW	2	SW	0.5	8	10	—	—	
24	.38	.27	46.9	47.6	37.8	55.0	2.4	1.3	.265	.298	84	91	SW	0.5	SW	0.5	7	10	.13	Fine a. p.	
25	.14	.23	48.0	42.3	40.2	50.8	1.3	0.9	.302	.251	91	93	SE	0.5	SE	0.5	9	10	.19	Dull and mild with showers.	
26	.42	.64	46.9	41.0	32.7	56.3	3.7	2.5	.238	.206	75	81	SE	0.5	NE	0.5	6	0	—	Fine day.	
27	.64	.59	50.4	46.0	28.1	57.2	7.1	3.2	.210	.240	58	78	SE	1	SW	0.5	5	9	.12	Dull and damp.	
28	.44	.37	50.8	50.6	42.7	58.0	2.5	2.2	.309	.313	83	85	SW	1	SW	0.5	7	7	.40	Fine day.	
29	.41	.64	37.6	38.6	37.2	51.2	3.1	1.7	.169	.201	75	86	NE	4	N	2	10	5	.19	✱ (sleet) ✱.	
30	.87	.88	39.3	35.8	30.3	42.8	2.1	1.3	.200	.187	84	89	N	0.5	NW	0.5	6	8	.05	—	
Mean	28.496	28.523	40.2	38.4	32.3	46.3	2.8	2.0	.198	.177	78.0	83.7	1.8	1.5	6.6	6.7	4.07				

## LAUDALE.—APRIL 1899.

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

1	29°83	29°90	52°0	48°2	43°6	52°4	1°0	1°2	361	307	93	92	W	4	W	3	10	10	14	● all day.
2	°93	°87	48°0	50°0	44°7	53°6	1°0	1°0	309	334	93	93	SW	1	SW	1	10	10	11	☁ <sup>0</sup> (mist) ● showers.
3	°78	°88	52°0	49°8	44°7	52°2	1°8	2°5	340	295	87	83	SW	1	W	1	10	9	15	☁ <sup>0</sup> (mist) a. ● showers p.
4	°57	°49	52°4	47°0	44°3	53°2	2°5	2°0	329	275	84	86	W	5	W	7	10	9	26	Squally (gale) a. ● <sup>2</sup> showers.
5	°70	°75	47°5	41°0	38°4	50°5	3°5	3°0	248	197	76	77	W	7	NW	4	9	7	26	Squally (gale) a. ● <sup>2</sup> showers.
6	°82	°23	47°3	42°4	39°7	50°5	3°3	1°7	250	235	77	87	NW	4	S	6	5	10	09	Snow on hills. ● <sup>2</sup> at night.
7	°28	°56	43°2	40°0	37°0	47°9	2°3	3°0	230	189	82	76	NE	3	Calm	0	10	10	26	☁ (sleet) ✱ showers.
8	°57	°78	37°0	44°0	33°7	47°2	0°2	2°3	216	238	98	82	NNW	2	N	2	8	6	03	☁ (sleet) showers a.
9	°73	°54	45°0	42°0	35°0	47°2	3°0	1°6	233	233	78	88	SSW	1	S	2	7	10	21	Large ⊕ a.
10	°54	°70	44°0	38°2	37°0	48°8	2°3	1°7	238	197	82	86	N	1	N	3	7	10	16	Bright intervals a. ● showers p.
11	°85	°86	41°0	36°2	33°0	46°2	2°9	1°8	199	180	78	85	N	4	N	1	6	2	04	☁ a.
12	29°63	29°20	41°0	41°0	31°7	48°2	2°0	2°2	215	211	84	83	SW	4	S	4	7	10	12	☁ a. ● <sup>2</sup> at night.
13	28°99	°05	42°0	42°7	39°9	45°2	2°0	1°5	225	241	85	88	S	4	SE	4	10	6	02	Heavy snow on hills. Squally p.
14	29°30	°47	45°5	42°0	40°1	50°0	3°3	4°0	233	190	76	72	E	5	E	4	8	7	02	Squally (gale) a. ✱ showers p.
15	°55	°66	43°3	40°0	36°0	47°7	3°6	4°0	207	172	74	69	E	4	NE	3	8	6	—	Squally (gale) p.
16	°77	°82	43°0	38°3	32°5	48°4	4°3	3°3	192	170	69	73	E	4	N	1	3	1	01	Heavy snow on hills. ⊐ a.
17	°84	°92	40°0	32°4	31°0	45°7	3°2	1°4	186	153	75	83	NW	3	N	2	6	0	—	☁ showers a.
18	°94	°72	41°0	42°0	28°2	43°7	3°2	2°0	194	225	76	85	SSE	2	ESE	4	6	10	08	⊕ a. ✱ <sup>2</sup> 1p.-6p.
19	29°83	29°98	41°1	39°7	37°0	46°4	1°9	1°7	218	210	85	86	NW	2	N	1	8	2	—	Heavy snow on hills. Fine day. ⊐
20	30°03	30°05	44°0	37°0	35°0	49°0	3°8	1°8	209	186	72	85	N	1	N	1	2	0	—	⊐ a. Fine, dry and cold.
21	29°97	°09	42°0	36°5	28°7	49°2	2°7	2°3	212	174	80	80	N	1	N	1	8	5	02	☁ <sup>2</sup> ✱ (sleet) showers a.
22	30°19	30°15	38°0	43°0	29°7	48°0	3°7	3°0	162	215	70	78	NW	1	WSW	3	10	8	—	Overcast and cold. Snow on hills.
23	29°97	29°70	47°6	45°0	42°0	50°4	4°4	2°3	232	247	70	83	SE	4	S	4	9	10	24	Cloudy and cold. ● n.
24	°51	°33	52°3	52°2	44°3	54°7	1°6	2°2	349	332	89	95	SSW	2	S	4	8	10	39	☁ showers a. and p. Squally n.
25	°34	°40	43°3	46°0	40°4	53°2	1°7	1°0	244	287	87	93	Calm	0	NW	2	10	10	—	☁ before a. ☁ p.
26	°61	°79	51°7	47°2	42°2	59°5	3°1	1°5	305	289	80	90	ESE	1	N	1	0	3	—	Fine, bright and warm.
27	°80	°69	54°7	49°9	40°2	57°3	4°5	2°2	309	304	72	86	SE	4	S	4	4	10	16	Fine, but squally a. ● p.
28	°61	°50	54°0	52°4	48°5	56°7	2°0	0°9	360	369	86	94	S	2	Calm	0	10	10	49	☁ <sup>0</sup> (mist) all day. ● <sup>0</sup> showers p.
29	29°56	29°89	41°5	40°7	38°0	54°0	1°8	3°0	225	196	87	78	E	4	NE	3	10	4	30	Heavy snow on hills. ● <sup>2</sup> a.
30	30°10	30°12	44°7	38°0	29°7	57°3	6°5	1°4	171	201	57	88	N	1	Calm	0	6	1	02	Snow on hills. Clear and cold.
Mean	29°704	29°703	45°3	42°8	37°5	50°5	2°8	2°1	247	235	80°1	83°8	2°7	2°5	7°4	6°7	5°58			

## DUNDEE.—APRIL 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 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	48°6	36°6	58°9	1°8	1°8	320	399	88	88	W	2	W	2	ins.	Dull till 1p.
2	29°64	29°68	30°4	48°6	36°6	58°9	1°8	1°8	320	399	88	88	SE	1	SE	1	10	● showers 8a.-3p., then steady ●
3	29°84	29°78	45°4	41°4	40°0	49°7	1°6	0°4	267	252	89	97	S	1	W	2	10	—
4	29°69	29°74	45°4	46°6	40°3	56°2	0°4	2°3	294	265	97	84	W	8	W	10	10	—
5	29°41	29°27	50°6	45°6	43°3	55°9	1°5	2°9	330	242	90	80	W	6	W	6	0	—
6	29°55	29°54	47°9	42°5	40°3	52°6	4°9	3°0	225	211	68	78	W	6	W	6	0	—
7	29°66	29°47	45°8	40°8	36°6	52°8	4°4	0°8	216	237	70	94	W	6	SE	4	5	15
8	28°96	29°36	39°8	40°6	39°1	43°7	0°5	3°1	235	193	96	76	NE	8	NW	2	10	85
9	29°31	29°57	41°6	39°8	34°1	49°5	3°8	3°3	190	183	74	75	NW	6	NW	2	5	—
10	29°59	29°42	48°2	41°4	34°5	54°2	3°7	0°7	251	246	75	95	SW	1	SE	1	5	30
11	29°36	29°45	40°0	37°4	36°5	44°7	1°3	0°9	220	206	90	93	NE	2	N	1	10	20
12	29°59	29°64	42°1	35°8	34°2	44°3	4°4	2°9	184	157	69	74	N	6	NW	4	5	—
13	29°50	29°17	39°8	39°6	31°2	46°3	3°7	2°8	176	190	72	78	NW	2	SW	4	5	—
14	28°97	28°97	39°8	40°8	33°4	42°6	1°8	0°6	209	241	86	96	SE	6	SE	10	10	10
15	29°18	29°26	43°6	40°1	39°2	47°2	1°9	2°2	243	204	86	82	NE	8	NE	8	10	—
16	29°29	29°43	42°4	37°3	36°2	45°3	3°8	2°9	196	170	74	76	NE	10	NE	6	10	—
17	29°54	29°63	40°8	35°2	33°1	47°2	5°3	1°9	182	169	63	82	NE	6	N	2	5	—
18	29°63	29°72	40°8	32°4	29°0	44°7	5°1	0°7	161	169	63	92	NW	2	NE	1	5	—
19	29°82	29°65	38°6	39°6	28°0	50°7	3°2	0°4	175	235	75	97	SW	1	SW	4	5	10
20	29°64	29°85	43°5	38°4	37°4	50°1	2°0	0°7	240	218	84	94	W	4	SE	1	10	10
21	29°88	29°91	39°8	35°8	34°5	47°5	0°3	0°9	239	195	98	93	NE	1	NE	1	10	—
22	29°79	29°94	41°1	34°6	30°3	46°7	2°1	1°9	214	163	83	81	W	2	NE	1	5	—
23	30°03	30°03	38°6	40°2	28°3	47°6	4°9	1°3	149	222	63	90	NW	1	SE	1	5	—
24	29°92	29°64	50°6	44°4	37°4	54°0	6°4	1°4	225	260	61	89	SW	2	SE	2	5	15
25	29°45	29°28	45°8	50°7	41°7	56°9	0°7	0°7	291	352	95	95	SE	1	SW	1	10	30
26	29°16	29°21	46°6	44°2	43°4	51°8	0°1	0°5	316	279	100	97	SE	1	E	2	10	10
27	29°43	29°64	54°1	44°4	38°4	59°9	5°0	1°3	289	262	70	90	NE	2	SE	1	5	—
28	29°71	29°62	55°6	48°4	35°2	59°7	5°2	1°9	307	293	69	87	SE	1	SW	1	5	0
29	29°49	29°40	52°1	52°6	45°7	57°9	1°6	2°0	347	343	89	86	W	2	SW	2	10	10
30	29°68	29°40	37°6	36°7	53°5	0°8	2°0	232	188	93	83	NE	10	NE	2	10	10	10
31	29°93	29°00	45°1	40°8	33°9	49°8	5°2	0°9	194	236	65	93	N	2	SE	2	5	25
Mean	29°544	29°557	44°6	41°3	36°3	50°7	2°9	1°6	237	229	79°8	87°2	3°7	2°9	7°3	8°1	3°00	



## LADYLAW.—APRIL 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +0.26 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
							Dep. of Wet.	Vapour Tension.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
	ins.	ins.							in.	in.	%					ins.				
1	29.43	29.39	50.0	50.2	44.8	54.2	1.8	2.5	.314	.300	87	83	SW	1	SW	1	10	0	—	Overcast till 11a.
2	49	48	50.6	46.0	42.8	51.8	2.2	1.7	.313	.272	85	88	SW	1	SW	2	7	7	.054	—
3	40	48	48.0	47.2	44.4	56.2	1.4	1.6	.299	.287	90	89	SW	1	SW	1	10	0	—	Overcast till 11a.
4	20	13	50.0	44.0	42.0	54.2	1.1	1.6	.332	.252	92	87	S	4	SW	5	10	5	.194	Overcast till 3p.
5	36	29.30	48.3	46.0	40.6	52.8	1.7	1.4	.296	.278	88	90	SW	3	W	3	6	7	.102	● <sup>0</sup> at times.
6	29.41	28.86	46.1	42.0	39.0	49.2	2.5	1.4	.256	.237	82	89	W	2	NE	1	0	10	.306	Fine till 3p. ● <sup>0</sup> from 7p.
7	28.61	29.07	45.2	39.0	37.8	49.4	1.9	1.1	.258	.216	86	91	W	2	W	1	7	10	.086	Overcast with ● <sup>0</sup> showers.
8	28.99	24	43.0	35.7	32.0	47.2	2.9	2.1	.216	.171	78	82	NW	1	SW	1	5	0	—	Fine and sunny.
9	29.30	07	45.2	39.0	33.2	50.6	3.2	1.7	.231	.205	77	86	SW	1	W	1	5	10	.158	Sunny a. ● <sup>0</sup> at times.
10	28.99	10	40.2	36.1	31.0	47.2	0.8	0.5	.232	.203	93	95	Calm	0	SW	1	10	7	.102	Overcast till 4p. ● <sup>0</sup> p.
11	29.27	29.32	44.2	36.1	31.4	48.6	3.4	1.9	.188	.178	75	83	N	1	W	1	5	0	—	Fine from 11a.
12	29.21	28.88	40.0	38.4	22.4	45.0	4.4	3.8	.166	.164	67	70	W	2	SW	1	0	0	—	11a. Fine all day.
13	28.59	58	39.0	40.8	32.2	42.2	1.6	1.2	.207	.230	87	91	NE	4	NW	2	10	10	—	Overcast all day. ☼ at night.
14	75	28.82	43.1	39.1	36.2	45.4	1.9	1.5	.237	.209	85	88	NW	2	E	3	10	10	.274	Overcast all day, with ● <sup>0</sup> .
15	28.88	29.05	39.0	39.2	34.6	44.2	0.7	1.0	.224	.220	94	92	N	3	NW	2	10	10	.148	● <sup>0</sup> a. Overcast all day. Cold wind.
16	29.21	33	39.4	34.3	32.0	46.4	1.2	1.0	.218	.178	91	89	NW	2	W	2	10	4	—	Sunny p. Cold wind.
17	32	42	40.2	36.0	25.4	45.8	3.3	1.8	.185	.179	74	84	W	1	W	2	0	0	—	Fine all day, but with cold wind.
18	50	39	43.2	41.2	29.4	47.0	3.2	1.4	.213	.229	77	89	SW	2	SW	1	0	10	.094	Fine till 1p. ● <sup>0</sup> at times p.
19	38	49	45.4	42.0	35.0	47.8	1.5	1.4	.269	.237	89	89	SW	3	SW	1	10	10	.104	Overcast all day. ● <sup>0</sup> at times.
20	54	55	40.2	37.8	36.0	42.6	1.0	1.0	.228	.208	92	92	N	1	E	1	10	10	.068	Overcast all day.
21	50	59	37.0	37.0	28.8	50.6	1.7	0.9	.187	.202	85	92	W	1	NW	1	0	0	.058	Fine and sunny most of day.
22	71	69	38.1	41.0	31.6	46.8	1.3	2.4	.203	.208	88	81	W	1	W	1	2	7	—	Sunny day.
23	59	29.29	45.0	42.0	36.8	52.4	2.4	1.0	.245	.245	82	92	NW	1	W	1	7	10	.058	● <sup>0</sup> at times p.
24	29.16	28.99	49.4	50.0	35.8	55.6	1.6	0.6	.312	.345	90	96	SW	1	SW	1	10	10	.094	Overcast all day. ● <sup>0</sup> at times p.
25	28.87	28.88	48.0	47.4	41.6	52.4	1.4	2.0	.299	.279	90	86	SW	1	SW	1	10	10	.028	Overcast all day. ● <sup>0</sup> mid-day.
26	29.10	29.34	49.4	47.4	42.4	57.2	1.6	1.8	.312	.284	90	87	SW	1	SW	1	4	0	—	Fine and sunny.
27	40	30	52.2	48.8	33.1	60.3	4.3	3.2	.283	.270	73	78	W	1	SW	1	0	7	—	Fine till 4p.
28	23	11	51.2	48.4	40.2	58.6	1.6	1.8	.335	.295	89	87	W	1	SW	1	10	10	.068	Overcast all day. ● <sup>0</sup> at times.
29	00	32	53.2	37.0	35.8	54.2	1.8	1.0	.355	.200	88	91	SW	1	NW	2	10	10	.248	Overcast all day with ● <sup>0</sup> .
30	29.62	29.68	48.4	39.0	32.6	52.2	1.8	1.4	.295	.210	87	89	NW	2	NW	1	7	5	—	Cold wind.
Mean	29.233	29.238	45.1	41.6	35.4	50.3	2.0	1.6	.258	.233	85.0	87.5	1.6	1.5	6.5	6.3	2.244			



## SCARBOROUGH.—APRIL 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.25 in.

1	29.75	29.78	51.0	52.8	37.0	55.3	1.2	2.8	.343	.325	92	81	SSW 3	SW 3	10	4	—	
2	.82	.78	52.9	49.8	48.9	55.9	1.2	2.8	.366	.338	92	94	Calm 0	SE 2	10	10	—	
3	.75	.82	49.0	53.9	41.6	58.3	1.0	2.0	.322	.360	93	86	S 2	SW 2	7	8	.019	
4	.66	.55	42.9	43.0	42.7	58.7	0.5	2.4	.265	.226	96	82	S 3	SW 3	10	4	.015	
5	.70	.64	50.9	49.0	35.3	58.9	4.9	0.4	.256	.338	69	97	SW 4	SW 6	5	2	—	
6	29.73	.30	50.9	44.8	40.0	53.1	5.0	0.1	.254	.295	68	99	WSW 2	S 3	1	10	.241	● <sup>2</sup> sp.
7	28.84	.08	46.8	40.0	39.8	51.9	1.0	0.1	.266	.245	92	99	Calm 0	NW 5	7	10	.148	
8	29.22	.48	43.7	38.0	34.1	49.8	3.1	0.9	.220	.211	78	92	NW 4	NW 4	6	4	—	
9	.59	.42	45.2	40.0	31.7	46.0	3.2	0.1	.231	.245	77	99	N 1	Calm 0	5	10	.154	Sunny a.
10	.20	.35	47.0	43.8	39.8	49.0	0.4	4.8	.313	.190	97	66	N 1	NW 3	3	10	.123	
11	.45	.55	40.0	36.0	34.1	45.1	2.0	2.0	.207	.174	84	82	NW 3	NW 1	7	1	—	
12	29.51	29.27	46.0	33.2	28.1	50.0	4.2	1.3	.220	.162	71	84	N 1	SE 1	3	3	.054	Sunny a.
13	28.94	28.89	41.2	41.7	33.1	43.6	0.2	0.7	.255	.248	98	95	SE 3	SE 3	10	10	.344	● <sup>2</sup> ga.
14	.87	28.92	42.8	40.3	40.2	43.7	1.4	1.4	.245	.221	88	88	NNE 3	NNE 1	10	10	.081	● a. and p.
15	28.94	29.14	42.9	38.9	35.0	46.0	1.0	2.0	.254	.198	92	84	N 1	N 3	3	10	.050	● a. and p.
16	29.39	.57	43.0	39.7	38.9	46.9	2.8	0.2	.218	.240	78	98	N 2	Calm 0	9	2	—	△ 3.30p.
17	.63	.71	37.8	34.9	30.0	49.0	1.7	0.7	.193	.188	86	93	W 3	Calm 0	10	7	.042	
18	.80	.83	43.0	39.2	31.9	47.6	3.0	0.5	.215	.230	77	96	Calm 0	Calm 0	4	10	—	Sunny a. UU sp.
19	.79	.81	50.0	46.9	31.7	56.0	2.8	1.9	.292	.276	80	86	SW 4	SW 1	6	6	—	U sp.
20	.81	.82	42.9	41.4	41.0	55.5	0.9	0.1	.256	.259	93	99	SW 2	N 1	9	10	.025	
21	.75	29.84	45.5	39.7	38.9	60.0	2.4	1.8	.251	.208	82	86	NNW 1	N 2	2	10	—	
22	.99	30.05	40.7	38.0	35.9	41.9	2.7	1.4	.201	.201	79	87	N 2	Calm 0	9	10	—	
23	.92	29.74	51.8	42.1	32.1	53.1	3.8	0.1	.289	.266	75	99	S 3	S 3	6	10	—	
24	.51	.38	50.4	49.6	40.2	55.8	0.4	0.2	.356	.351	97	99	S 3	S 2	7	6	—	
25	.18	.16	47.1	41.5	40.9	50.1	0.4	0.9	.315	.242	97	93	S 1	N 1	10	10	.135	● <sup>0</sup> ga.
26	.29	.56	46.8	43.2	37.1	47.6	0.8	0.1	.301	.277	94	99	N 2	NNW 2	10	10	—	
27	.69	.63	49.0	50.0	39.8	53.2	1.9	1.1	.301	.330	86	93	N 1	S 3	4	7	—	
28	.55	.47	55.7	53.2	46.0	61.7	1.7	2.6	.396	.335	89	82	SSW 2	S 1	7	10	.007	
29	.31	.51	53.2	47.3	47.0	59.9	1.2	0.8	.371	.306	92	94	S 3	NW 7	7	10	.091	● sp.
30	29.86	29.95	47.8	42.7	36.9	50.0	3.8	0.8	.245	.257	74	94	NNW 3	N 3	7	10	.031	
Mean	29.513	29.532	46.6	43.2	37.5	51.5	2.0	1.2	.275	.258	85.5	90.8	2.1	2.2	7.3	7.8	1.560	

## CRONKBORNE.—APRIL 1899.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +0.24 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.	Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%				ins.	
1	29.89	29.88	53.2	50.0	49.2	54.6	1.4	1.0	366	334	91	93	W 3	W 2	6	10	— Dull day. [from 5p.
2	29.88	29.83	47.8	47.2	46.5	50.0	0.2	0.0	327	325	98	100	SSW 2	S 1	10	10	0.50 Overcast, with  (mist). ● 0
3	29.78	29.88	50.8	49.0	45.0	55.5	0.8	2.2	331	294	94	85	SW 3	WSW 3	10	10	0.312 till 11a.
4	29.68	29.73	50.8	48.0	46.4	56.2	0.2	2.0	367	285	98	86	WSW 3	WSW 4	10	10	0.003 Dull day.
5	29.86	29.73	50.0	48.2	44.5	50.6	2.2	0.2	304	332	85	99	W 5	NW 5-6	8	10	0.286 Dull a. ● p.
6	29.83	29.16	47.6	49.4	40.2	50.0	0.6	0.2	315	348	96	98	W 4	SW 4-5	7	10	0.580 Fine a. ● 2 gp.
7	29.07	29.53	42.8	44.8	42.5	49.4	0.6	2.2	261	248	95	84	NNW 5	NW 5	10	3	0.290 Squally (gale) ●.
8	29.47	29.68	41.6	42.0	37.2	47.5	0.6	1.2	250	241	95	91	NW 6-7	NW 5-6	7	6	0.054 a. Squally ● showers.
9	29.69	29.40	41.0	45.0	38.2	45.0	0.2	0.0	253	299	98	100	SSW 3	ENE 1	10	10	1.224 Overcast with ●.
10	29.43	29.51	43.4	43.0	41.3	50.3	0.2	1.2	276	251	99	90	NNW 4	NNW 5	10	6	0.072 a. and p.
11	29.70	29.74	44.4	44.0	38.0	47.4	2.9	2.6	330	199	79	80	NNW 6-7	NW 4-5	5	2	0.004 Squally a. ▲ 11.30 a.
12	29.57	29.19	43.0	40.2	47.8	1.5	1.9	245	248	88	85	SSW 4	S 4-6	9	8	0.147 a. Fine day. ● 2 showers n.	
13	28.76	28.87	45.2	43.4	40.2	48.8	1.5	0.8	266	264	89	94	SW 4	NE 2	8	9	0.060 2 showers a. Fine p.
14	29.01	29.15	46.0	42.1	41.0	50.4	1.6	1.1	274	244	89	91	NE 4-5	NNE 5	6	10	0.060 Fine day. ● from 6p.
15	29.26	29.42	44.8	41.2	39.2	46.0	2.0	2.8	252	203	85	79	N 5-6	N 4	7	7	0.276 Squally a. ● p.
16	29.59	29.70	44.2	36.0	35.0	47.3	1.5	1.2	199	189	68	89	N 3	NW 2	4	1	0.073 a. ▲ 0 noon. Fine day.
17	29.75	29.82	44.4	34.6	31.2	47.3	3.9	0.6	212	189	72	94	N 4	NW 1	1	1	— * a. Very fine.
18	29.88	29.84	48.4	46.2	30.0	49.0	3.6	1.2	256	285	76	92	S 2	SSW 4	6	8	0.004 a. Very fine.
19	29.86	29.89	49.8	45.0	44.2	53.5	3.1	0.8	282	280	80	94	WSW 5-7	WNW:	6	6	— Cloudy and squally.
20	29.89	29.88	48.0	45.0	42.0	49.4	1.0	1.2	309	271	93	91	SSW 2	N 1	8	8	0.035 Dull day. ● showers 11a.-2p.
21	29.83	29.92	46.0	43.0	37.5	51.4	2.7	1.0	250	255	81	92	NNE 4	NNW 5	3	1	— Very fine.
22	30.08	30.08	47.9	35.0	33.8	51.4	4.0	0.8	243	188	73	92	N 3	N 1	1	0	— Very fine. D p.
23	29.92	29.63	47.8	49.0	31.4	49.4	2.6	0.1	270	345	81	99	SSE 3	SSW 3-4	10	10	0.539 Dull a. ● p.
24	29.50	29.32	49.0	48.0	46.3	49.8	0.0	0.0	348	335	100	100	SSW 3	S 3	10	10	0.401 Overcast, with  (mist).
25	29.30	29.25	47.4	44.0	42.8	51.0	3.9	1.2	239	261	74	90	WSW 4	NNW 2	4	3	0.028 Fine a. ● showers p.
26	29.49	29.69	50.5	47.2	43.8	57.4	0.5	1.2	354	295	96	92	NW 6	WNW:	8	3	— Squally a. Fine day.
27	29.73	29.67	52.0	48.2	37.4	52.5	3.0	0.4	310	328	80	98	SW 2	S 2	9	10	0.066 Dull a. Dull a. ● showers p.
28	29.58	29.48	53.2	48.3	47.0	54.8	2.8	0.0	330	339	81	100	S 3	SSW 5	10	10	0.180 Dull day. ● p. ● 2 gp.
29	29.32	29.71	52.3	41.3	41.3	58.5	0.6	2.4	376	211	96	81	WSW 1	NE 3-4	9	4	0.010 Cloudy day. ● shower 4p.
30	30.00	30.04	46.0	41.8	35.2	49.0	6.2	3.3	187	200	60	77	ENE 2	Calm 0	2	6	0.248 D a. Very fine.
Mean	29.619	29.621	47.3	44.4	40.0	50.8	2.0	1.2	283	270	86.3	91.2	3.7	3.0	7.1	6.7	5.017



HILLINGTON.—APRIL 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021 in.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.					
1	29.96	29.93	53.0	50.8	47.5	59.6	2.3	1.1	.340	.343	84	92	NW	3	SW	0.5	8	0	—	Fine and warm. ☁		
2	'97	'91	50.0	50.0	39.0	60.4	1.2	0.8	.329	.339	92	94	WSW	1	SW	1	10	10	—	Cloudy day. Overcast p.		
3	'93	'94	49.4	50.0	48.3	58.1	1.8	2.2	.306	.305	88	85	W	2	WNW	1	10	10	—	Very overcast. ☁ shower 4.30p.		
4	'93	'80	51.8	51.4	43.4	55.6	2.5	3.7	.321	.287	83	75	SW	3	SW	4	10	3	—	Cloudy day. ☁ noon-2p.		
5	'98	'89	48.9	49.2	42.1	59.0	5.1	2.0	.231	.299	67	86	WNW	5	SW	5	8	10	—	Very fine and sunny.		
6	29.95	'54	49.0	50.2	43.8	55.9	6.2	0.5	.213	.351	61	96	SW	4	SW	1	4	10	—	Fine a. Overcast with ☁ p.		
7	28.99	'29	45.8	47.0	40.0	52.4	1.1	0.4	.283	.248	91	97	SW	3	NW	1	4	10	—	Overcast. ☁ evening and night.		
8	29.40	'68	43.5	41.2	37.0	48.5	4.4	2.6	.195	.206	70	80	NW	5	N	4	7	9	—	☁ showers a.		
9	'76	'54	45.0	41.9	35.9	52.1	3.4	0.2	.225	.261	76	88	NW	2	WSW	0.5	2	10	—	Fine and sunny. ☁ p.		
10	'39	'47	43.0	43.6	41.3	56.5	1.2	1.9	.356	.241	92	85	NW	4	NW	3	9	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
11	'56	'71	40.1	37.2	36.9	47.4	2.1	1.4	.206	.194	83	87	N	2	N	2	10	3	—	☁ till 8a. Cloudy day. ☁ 2 p.		
12	'67	29.47	40.1	38.2	30.9	51.5	4.4	1.7	.167	.196	67	85	NW	3	SW	0.5	4	0	—	☁ till 8a. Cloudy day. ☁ 2 p.		
13	29.13	28.93	43.0	41.7	35.4	43.9	2.9	0.9	.217	.244	78	93	S	5	SE	2	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
14	28.82	28.96	41.2	42.4	38.7	45.3	0.6	0.7	.245	.255	95	95	NE	3	NE	1	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
15	29.15	29.25	42.0	43.1	40.2	47.4	0.4	0.8	.258	.260	97	94	W	3	W	1	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
16	'47	'71	42.5	38.5	37.9	46.2	1.0	2.3	.250	.288	92	81	N	2	N	1	10	5	—	☁ till 8a. Cloudy day. ☁ 2 p.		
17	'79	29.75	47.0	40.0	28.1	51.4	5.0	1.4	.178	.188	64	88	SW	0.5	W	0.5	2	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
18	29.93	30.02	43.1	37.1	28.0	53.1	3.6	1.5	.205	.192	74	87	SW	1	NW	0.5	3	0	—	☁ till 8a. Cloudy day. ☁ 2 p.		
19	30.04	29.99	48.6	38.0	30.9	59.3	4.4	1.2	.242	.204	71	89	SW	3	W	0.5	0	6	—	☁ till 8a. Cloudy day. ☁ 2 p.		
20	29.98	'91	47.5	47.8	35.9	56.7	3.7	3.2	.244	.258	74	78	WNW	1	W	0.5	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
21	29.84	29.89	46.1	37.9	37.7	48.5	1.4	2.0	.278	.189	89	83	NE	1	NE	0.5	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
22	30.09	30.19	41.9	42.1	35.5	49.4	4.3	3.4	.183	.199	69	75	NE	2	NE	1	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
23	30.15	29.96	46.9	45.6	40.0	56.3	3.9	0.4	.234	.296	73	97	SW	2	SW	1	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
24	29.73	'49	49.8	46.2	42.9	60.7	2.6	0.5	.294	.301	82	96	SW	2	S	0.5	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
25	'34	'30	48.4	46.2	45.1	55.4	0.6	1.4	.324	.279	95	89	SW	1	SW	1	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
26	'40	'64	46.0	45.9	42.1	52.1	2.3	1.3	.258	.279	83	90	NNW	3	N	1	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
27	'77	'81	45.9	47.9	43.7	53.6	1.2	2.2	.281	.280	91	84	SW	0.5	SE	1	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
28	'74	'59	52.9	54.2	45.0	60.5	2.1	2.5	.344	.351	86	82	NW	2	W	0.5	10	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
29	'57	29.51	54.5	51.1	46.5	59.4	3.6	0.4	.328	.365	77	97	SW	3	SW	2	7	10	—	☁ till 8a. Cloudy day. ☁ 2 p.		
30	29.99	30.19	43.2	39.0	39.0	51.4	5.4	2.1	.176	.197	62	82	N	3	NE	1	5	0	—	☁ till 8a. Cloudy day. ☁ 2 p.		
Mean	29.680	29.674	46.5	44.3	39.3	53.6	2.8	1.6	.257	.261	80.2	88.0					2.5	1.5	7.9	7.5	2.28	

CHURCHSTOKE.—APRIL 1899.

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

1	29°51	29°49	51°8	50°1	42°9	60°2	2°9	1°3	3°11	3°28	80	91	WNW <sub>2</sub>	WNW <sub>2</sub>	9	1	—	Dull and breezy.
2	'48	'43	50°1	48°4	46°0	54°1	1°7	1°7	3°18	'297	89	88	W <sub>1</sub>	SW <sub>1</sub>	9	10	—	Cloudy and breezy.
3	'43	'52	53°3	47°1	46°0	58°0	3°1	1°0	3°24	'299	79	92	WSW <sub>2</sub>	WSW <sub>1</sub>	8	2	—	Cloudy and breezy.
4	'39	'42	53°1	46°3	45°4	58°3	2°1	3°6	'346	'234	86	74	SW <sub>3</sub>	SW <sub>5</sub>	8	1	—	Squally
5	'57	29°38	49°9	47°9	43°8	55°7	4°5	1°6	'254	'294	70	88	NW <sub>4</sub>	SW <sub>2</sub>	2	9	'030	Breezy, with ☀ showers.
6	29°49	28°81	47°9	49°8	39°0	57°3	3°0	1°8	'263	'311	79	88	W <sub>2</sub>	SW <sub>5</sub>	6	10	'460	Stormy with ☀ at night.
7	28°62	29°02	44°6	40°8	40°5	50°9	1°9	2°7	'252	'201	86	79	SW <sub>4</sub>	WSW <sub>2</sub>	10	6	'196	Stormy day.
8	29°03	'24	41°4	37°8	36°0	46°5	3°5	1°9	'192	'190	73	84	W <sub>5</sub>	NW <sub>3</sub>	6	0	'025	☀ storms.
9	'31	'05	43°8	49°8	32°5	50°0	3°4	0°8	'215	'336	76	94	W <sub>2</sub>	W <sub>4</sub>	10	10	'260	Cloudy and cool, with ☀ showers.
10	'00	'07	50°7	42°6	42°1	52°1	2°7	1°5	'302	'240	81	87	W <sub>3</sub>	W <sub>1</sub>	10	10	'075	
11	'23	29°32	43°3	34°9	34°1	46°6	5°4	2°4	'177	'158	63	78	NNW <sub>2</sub>	WNW <sub>2</sub>	6	0	'010	Cool wind.
12	29°19	28°85	44°8	37°8	30°0	52°6	4°9	1°7	'197	'193	66	86	SW <sub>2</sub>	SSE <sub>2</sub>	8	2	'300	Cool breeze.
13	28°45	'40	47°7	39°2	37°0	50°3	4°0	0°3	'240	'233	73	97	WSW <sub>1</sub>	SE <sub>2</sub>	2	8	'400	☀
14	'44	'61	42°0	40°0	38°5	43°1	1°2	0°9	'240	'228	90	93	SE <sub>2</sub>	NE <sub>2</sub>	2	10	'105	Damp and raw with ☀.
15	28°72	28°92	41°8	38°6	38°0	45°1	2°2	0°7	'218	'220	83	94	NW <sub>2</sub>	NE <sub>2</sub>	2	9	10	Cloudy and cool.
16	29°09	29°16	39°3	38°4	37°8	46°3	3°2	1°5	'180	'203	75	87	N <sub>2</sub>	N <sub>1</sub>	9	9	'060	Breezy and cool.
17	'30	'39	38°7	37°6	29°9	46°0	2°6	0°7	'186	'211	78	94	NE <sub>1</sub>	W <sub>1</sub>	1	8	9	Cloudy and cool, with ☀ showers.
18	'43	'52	42°3	40°7	27°4	52°9	3°7	3°0	'196	'195	73	76	W <sub>2</sub>	WNW <sub>2</sub>	6	2	—	Bright day.
19	'53	'53	49°4	40°2	36°9	55°6	4°5	1°5	'248	'218	70	87	W <sub>2</sub>	W <sub>1</sub>	1	8	7	Cloudy and breezy.
20	'50	'45	48°7	42°8	35°0	54°0	5°0	0°9	'231	'255	68	93	W <sub>2</sub>	SW <sub>1</sub>	9	10	'170	Cloudy day. ☀ <sup>2</sup> in evening.
21	'31	'43	45°3	39°6	36°9	49°1	2°4	2°5	'248	'194	82	80	ESE <sub>2</sub>	NNE <sub>1</sub>	10	8	—	Gloomy and cool.
22	'60	'66	48°3	35°4	33°0	53°1	4°9	2°5	'229	'160	68	77	WNW <sub>2</sub>	NW <sub>1</sub>	1	6	0	Bright day.
23	'68	29°30	48°4	46°8	31°0	49°1	4°0	0°9	'247	'298	73	93	SSE <sub>2</sub>	SSE <sub>2</sub>	2	9	10	'120
24	29°15	28°93	49°9	48°8	46°8	55°5	0°9	0°6	'335	'329	94	95	ESE <sub>1</sub>	SE <sub>2</sub>	10	10	'102	Gloomy day. ☀ <sup>0</sup> p.
25	28°94	28°75	49°9	42°6	42°2	54°1	0°9	0°9	'335	'253	94	93	WNW <sub>2</sub>	SW <sub>1</sub>	1	5	'200	Bright and fresh. Steady ☀ p.
26	29°05	29°29	46°6	42°7	40°8	51°7	1°7	0°9	'277	'254	87	93	WNW <sub>2</sub>	NW <sub>1</sub>	10	0	—	
27	'33	'27	51°4	51°4	35°9	61°7	3°6	1°4	'289	'343	76	90	E <sub>2</sub>	W <sub>1</sub>	1	9	9	—
28	29°24	'10	54°1	49°5	49°5	61°1	2°1	1°5	'360	'319	86	89	SW <sub>2</sub>	SW <sub>2</sub>	9	5	'020	Dull and warm.
29	28°97	'19	50°9	49°1	48°0	55°7	2°1	1°2	'318	'318	85	92	SW <sub>2</sub>	W <sub>2</sub>	10	8	—	Dull, with ☀ <sup>0</sup> .
30	29°54	29°60	45°8	46°0	37°2	52°7	4°9	3°1	'206	'241	66	77	NNW <sub>2</sub>	ESE <sub>1</sub>	8	6	—	Cool breeze.
Mean	29°214	29°203	47°2	43°4	38°6	52°6	3°1	1°6	'258	'252	78°3	87°6	2°2	1°9	8°4	6°2	2°533	

ST. DAVID'S, PEMBROKE.—APRIL 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, + 0.18 in.

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	50°0	47°7	46°2	51°7	0°2	0°0	356	331	99	100	SW	1	W	1	10	10	ins.
2	29°50	29°49	47°8	46°5	46°2	50°8	0°0	0°0	336	317	100	100	SW	3	SW	4	10	10	0°00 (mist) all day.
3	29°84	29°81	51°5	47°6	46°3	54°2	0°8	0°1	359	328	94	100	WSW	4	W	3	5	0	0°15 0°00 (mist) most of day.
4	29°80	29°79	49°7	47°7	47°4	54°4	0°0	2°8	357	266	100	81	SW	6	W	6	10	0	0°35 Fine and sunny.
5	30°00	29°58	49°2	49°1	46°2	51°2	1°9	0°8	303	329	87	94	W	4	WSW	3	10	10	0°00 0°00 (mist) a.
6	29°84	29°80	48°5	47°0	43°3	51°4	2°0	0°5	292	311	86	97	SE	2	SSW	7	10	9	0°02 4p.-8p.
7	29°52	29°50	45°7	44°7	44°5	49°6	1°4	2°4	275	242	90	82	NW	8	NW	6	10	9	0°13 1p.
8	29°54	29°52	44°5	44°0	42°1	49°8	3°0	2°3	229	238	78	82	NW	7	NW	5	6	0	0°04 showers.
9	29°68	29°66	48°6	49°2	42°2	51°5	0°0	0°0	343	351	100	100	SW	3	W	6	10	10	0°10 Sunny day. 0°5p. and 7p.
10	29°45	29°43	50°9	44°5	44°3	53°2	0°7	3°2	355	225	95	76	WNW	6	NW	4	5	0	0°12 showers a. and p.
11	29°69	29°67	43°8	42°0	41°0	48°6	2°3	2°5	237	216	82	82	NNW	6	NW	2	6	6	0°50 Sunny day.
12	29°56	29°55	46°0	43°0	38°2	49°4	2°3	0°0	259	277	84	100	WSW	2	SW	6	5	10	0°20 showers 2a.-7a. Sunny day.
13	28°79	28°75	46°5	41°5	41°1	49°7	2°0	1°0	270	241	86	92	WSW	4	Caln	0	9	4	0°85 showers a. Sunny p.
14	28°83	28°82	44°5	43°3	39°8	49°8	0°0	1°6	294	246	100	88	NNE	3	NE	3	10	4	0°20 5a.-8a.
15	29°11	29°10	45°7	41°5	41°2	49°2	1°7	0°2	268	258	88	98	NNE	5	NNE	5	6	10	0°14 showers 5a.-7a. Sunny day.
16	29°49	29°47	43°5	36°0	35°7	47°3	3°0	1°5	220	184	77	87	NNE	2	NNE	2	5	0	0°82 Sunny, but with cold wind.
17	29°68	29°66	37°5	34°7	34°6	45°0	0°2	0°2	220	198	98	98	Caln	0	NE	2	10	0	0°12 from 7a. Sunny p.
18	29°58	29°56	47°1	43°5	38°1	51°5	1°8	1°2	238	256	74	90	ESE	2	WSW	3	1	0	— a. Bright and sunny.
19	29°52	29°50	49°5	40°3	40°3	53°7	3°2	1°0	277	229	78	92	SW	3	WSW	3	5	6	— Sunny day.
20	29°86	29°84	47°5	44°7	40°1	51°0	2°2	0°0	276	296	84	100	SW	3	Caln	0	10	10	0°805 7p.
21	29°62	29°60	42°8	43°5	40°2	51°4	0°0	1°5	275	249	100	88	N	4	NNE	4	10	0	0°06 n. and a.
22	30°01	30°01	47°3	39°5	39°2	51°2	2°8	1°6	261	211	81	87	N	2	NW	1	5	0	0°40 Fine, bright, and sunny.
23	29°82	29°66	46°5	48°0	38°2	49°2	0°5	0°0	304	335	96	100	SSE	6	SSW	4	10	10	0°305 6a.-9a. 0°00 6p.-9p.
24	29°47	29°30	48°9	48°5	47°6	51°3	0°0	0°0	347	342	100	100	SSW	2	S	2	10	10	0°270 most of day.
25	29°35	29°21	47°3	45°8	43°3	52°2	2°3	1°5	271	274	84	89	W	5	WNW	7	7	7	0°40 2a.-3a. Sunny day. 1p. p.
26	29°51	29°45	47°3	48°3	43°1	53°7	2°9	1°6	260	299	81	89	NW	5	WNW	3	0	10	0°002 (gale) n. Bright and sunny.
27	29°69	29°64	51°1	49°4	46°6	52°4	1°4	0°0	340	353	90	100	SSW	1	SSW	2	10	10	0°026 0°00 7p.
28	29°56	29°45	50°5	49°5	48°3	51°6	1°0	0°0	342	355	93	100	SSE	4	SW	5	10	10	0°060 (mist) a. 0°0 a. and p.
29	29°37	29°27	50°5	50°0	48°4	55°0	0°8	1°9	347	312	94	87	W	5	NW	4	10	4	0°015 Sunny from 11a.
30	29°50	29°45	49°8	46°1	42°4	53°2	3°1	1°3	282	282	80	91	NE	3	NE	1	5	5	— Fine, bright and sunny.
Mean	29°601	29°604	47°7	44°9	42°4	51°1	1°5	1°0	293	278	89°3	92°3	3°8		3°5	7°7	5°8	2°673	



## SOUTHAMPTON.—APRIL 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							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.	°	°	°	64.7	1.4	1.1	351	323	90	92	W	2	SW	2	10	0	ins.	—
2	30.08	30.06	52.0	49.3	48.9	64.7	1.4	1.1	351	323	90	92	W	2	SW	2	10	0	0.008	Beautiful day.
3	30.04	30.00	50.8	49.5	48.2	55.6	1.1	0.6	344	338	92	95	W	1.5	SW	2	10	10	—	Dull day, with ☉.
4	30.05	30.01	51.0	49.3	47.9	58.8	2.4	2.3	313	294	84	84	W	2	W	2	10	0	—	☉ most of day.
5	30.10	30.02	50.9	50.5	43.6	54.3	1.2	2.6	343	302	92	82	SW	3.5	WSW	4	10	2	0.085	☉ showers all day.
6	30.06	30.06	52.6	48.8	42.1	60.3	5.6	0.9	261	323	66	93	W	4.5	SW	5	8	10	0.030	☉ showers all day.
7	30.05	29.68	56.6	50.4	48.5	58.7	5.5	0.5	311	354	68	96	NW	4	SW	6	8	10	0.230	☉ showers all day.
8	29.14	56	46.7	45.8	45.2	52.6	1.6	3.0	281	243	89	80	WSW	5.5	NW	7	10	7	0.058	☉ showers all day.
9	59	77	50.2	42.5	42.0	51.7	6.7	3.3	216	206	60	75	NW	6	NW	4.5	2	0	0.013	☉ showers all day.
10	59	70	50.5	49.3	34.9	53.8	5.7	1.3	237	318	64	91	NW	3	WSW	3	9	10	0.080	☉ showers all day.
11	59	59	54.8	47.6	47.6	60.9	2.7	1.3	354	298	83	91	W	4	NW	2	10	0	0.075	☉ showers all day.
12	69	83	47.6	40.7	39.9	53.5	4.7	3.7	226	183	69	72	NW	5	NW	4	7	1	—	☉ showers all day.
13	77	29.50	49.1	42.4	33.1	51.3	6.3	1.4	213	241	61	89	NW	1.5	SE	3	5	0	0.110	☉ showers all day.
14	29.06	28.80	49.0	43.6	41.2	53.9	3.3	0.6	270	270	77	95	SW	3	E	4	10	10	0.660	☉ showers all day.
15	28.93	29.08	46.7	44.7	41.0	49.8	1.5	1.4	284	264	89	89	WNW	3	NW	1.5	10	10	0.198	☉ showers all day.
16	29.20	35	46.1	44.9	40.7	53.6	1.8	2.7	271	238	87	81	NNW	2	NW	1	10	1	—	☉ showers all day.
17	54	75	45.4	40.1	36.9	49.4	2.2	1.1	253	225	84	91	N	3	NNE	3	10	10	0.018	☉ showers all day.
18	57	29.99	46.3	43.9	33.2	52.7	4.1	2.3	226	238	72	83	NE	1.5	Calm	0	3	2	—	☉ showers all day.
19	29.99	30.07	49.0	44.8	34.4	57.6	3.9	3.6	257	220	74	74	NE	1	NE	1	5	1	—	☉ showers all day.
20	30.13	30.09	52.9	46.5	33.4	61.6	5.9	2.5	258	259	64	82	NW	3	W	0.5	0	0	—	☉ showers all day.
21	30.05	29.97	51.1	49.0	35.5	59.7	5.4	4.5	248	245	67	70	SW	2	SW	1.5	9	10	0.453	☉ showers all day.
22	29.78	29.86	43.0	44.7	42.6	50.3	0.7	1.5	262	262	94	89	ESE	4	NE	3	10	9	0.189	☉ showers all day.
23	30.15	30.24	46.4	45.1	34.6	53.6	3.7	2.3	234	248	75	83	ENE	2.5	SW	1	1	10	—	☉ showers all day.
24	30.19	30.00	49.8	48.0	42.3	52.3	5.1	2.6	242	272	68	82	S	4	S	3.5	10	10	0.110	☉ showers all day.
25	29.74	29.49	47.9	47.6	46.2	49.6	1.1	0.4	306	320	93	97	SSE	3	SE	0.1	10	10	0.472	☉ showers all day.
26	54	70	54.8	48.0	46.9	58.6	4.1	3.1	321	261	75	78	NW	4.5	WSW	5	6	9	0.034	☉ showers all day.
27	55	77	54.0	47.1	44.2	55.5	6.0	1.5	267	288	64	89	NW	4	NW	0.5	5	0	—	☉ showers all day.
28	82	87	53.6	50.0	40.0	61.4	3.6	1.6	315	319	76	89	NW	1	SW	2	9	10	0.010	☉ showers all day.
29	82	75	53.8	52.1	48.9	62.6	1.1	2.2	383	332	92	84	SW	2.5	SW	3	10	10	0.042	☉ showers all day.
30	29.64	29.68	54.8	53.8	50.6	59.4	2.7	2.8	354	337	83	81	SW	4.5	WSW	4	10	10	0.020	☉ showers all day.
30	30.02	30.17	51.8	48.3	45.1	57.3	5.7	2.1	250	287	66	85	N	4	SSW	1	2	5	—	☉ showers all day.
Mean	29.773	29.769	53.3	46.9	42.0	55.8	3.6	2.0	282	277	77.3	85.4	3.2	2.7	7.6	5.9	2.895			

## PLYMOUTH.—APRIL 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +015 in.

1	30.06	30.04	49.0	51.0	45.7	53.1	0.3	0.5	340	361	98	97	W	SSW	10	10	—	—	—	Overcast all day.
2	29.98	29.96	47.6	49.2	44.8	51.0	0.5	1.0	317	327	97	93	S	S	10	10	0.005	—	—	Dull and damp.
3	30.01	30.11	48.8	49.2	47.6	59.3	0.8	1.1	325	322	94	93	WSW	WSW	4	4	—	—	—	Fine and sunny p.
4	30.04	30.07	50.8	50.5	48.1	55.8	0.0	1.9	371	319	100	87	SSW	W	10	1	0.010	—	—	☉ showers.
5	30.03	30.03	52.3	49.9	45.0	54.4	3.2	0.1	310	356	79	100	SW	SW	9	10	0.040	—	—	Dull day.
6	30.01	29.63	51.1	50.8	49.1	51.1	0.3	0.0	368	371	98	100	SSW	SSW	10	10	0.200	—	—	☉ showers.
7	29.34	75	45.4	46.0	43.3	50.8	0.7	2.6	288	252	96	82	SSW	W	10	0	0.080	—	—	Squally ☉ showers.
8	64	85	47.1	44.6	43.2	49.4	3.5	1.9	244	252	76	86	W	SW	4	3	—	—	—	Fine day, with ☉ (force 7). ☉ p.
9	88	74	46.5	51.3	37.8	55.2	1.2	0.1	288	373	91	98	S	WSW	10	10	0.020	—	—	☉ showers.
10	65	62	52.6	47.6	47.6	56.9	0.2	0.7	392	313	99	95	W	NW	10	2	120	—	—	☉ showers.
11	74	87	46.6	43.1	40.2	48.3	2.7	1.4	256	248	81	89	NW	NW	3	9	—	—	—	☉ showers.
12	29.70	29.34	46.6	44.8	38.1	49.3	2.0	0.1	271	295	86	100	S	S	7	10	0.360	—	—	☉ showers.
13	28.97	28.86	45.1	41.7	41.5	47.5	0.2	1.1	296	241	98	92	SW	N	10	2	310	—	—	☉ showers.
14	28.93	29.07	42.2	43.6	34.7	49.1	2.3	0.9	221	263	83	93	WSW	W	7	8	0.105	—	—	☉ showers.
15	29.17	36	47.5	42.6	39.6	49.4	2.2	1.7	276	237	84	87	N	NNW	8	1	0.010	—	—	☉ showers.
16	53	72	39.2	41.1	34.6	47.1	0.4	2.4	232	209	96	81	N	N	10	0	0.100	—	—	☉ showers.
17	79	29.86	48.1	40.6	30.8	50.1	4.7	1.7	231	218	68	87	SSE	N	3	0	—	—	—	☉ showers.
18	29.95	30.05	46.6	42.1	32.8	53.1	3.2	3.6	245	198	78	74	SW	N	5	0	—	—	—	☉ showers.
19	30.06	30.05	48.8	44.6	32.0	53.1	3.4	2.0	266	250	77	85	N	N	2	0	—	—	—	☉ showers.
20	29.98	29.91	51.6	48.9	36.9	53.1	3.8	1.9	288	299	76	87	SSE	SE	4	10	0.820	—	—	☉ showers.
21	29.61	29.85	50.8	46.2	44.1	52.2	0.0	2.4	371	259	100	84	SW	N	10	2	240	—	—	☉ showers.
22	30.11	30.16	48.1	45.0	37.6	50.1	3.5	2.1	254	251	76	84	SSE	SE	5	0	—	—	—	☉ showers.
23	30.04	29.86	48.9	48.9	39.6	48.9	2.2	0.1	294	343	85	100	SSE	S	10	10	0.860	—	—	☉ showers.
24	29.62	48	50.2	51.0	48.7	53.9	0.0	0.2	364	369	100	99	S	SSW	10	10	0.040	—	—	☉ showers.
25	53	45	49.9	48.6	46.8	54.3	5.3	1.9	239	297	67	87	WNW	W	6	5	0.020	—	—	☉ showers.
26	63	80	50.0	46.6	44.6	54.5	3.7	1.4	271	286	76	90	NW	NW	8	3	—	—	—	☉ showers.
27	83	80	50.9	51.6	38.9	52.2	1.1	0.2	346	377	93	99	S	SW	10	10	0.035	—	—	☉ showers.
28	74	69	52.1	51.4	50.1	53.7	0.0	0.0	389	380	100	100	SSW	SW	10	10	0.040	—	—	☉ showers.
29	61	29.74	52.6	51.8	49.1	58.4	0.3	1.0	385	359	98	93	SW	NW	9	10	0.005	—	—	☉ showers.
30	29.99	30.08	53.8	51.6	49.7	55.9	3.5	4.4	320	275	77	72	N	N	6	8	—	—	—	☉ showers.
Mean	29.743	29.759	48.7	47.2	42.1	52.4	1.8	1.3	302	297	87.6	90.5	—	—	7.7	5.6	3.420			

## ARMAGH.—APRIL 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep.of Wet.		Vapour Tenston.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29.80	29.81	53.1	51.0	50.0	56.4	1.4	0.3	.365	.366	90	98	SW 3	W 1	10	10	—	Overcast all day.
2	77	70	51.7	51.2	48.5	56.2	1.0	1.0	.357	.350	93	93	SSW 1	SSE 3	10	10	.052	Overcast all day.
3	70	77	52.0	52.1	48.0	58.0	1.7	4.5	.343	.278	88	71	SW 3	SSW 3	10	10	.080	
4	53	64	55.0	44.0	44.0	57.2	4.9	1.5	.304	.255	71	88	SW 4	WSW 3	9	7	.070	
5	76	29.71	50.7	43.7	41.2	52.3	3.7	2.0	.279	.242	76	85	SW 5	WSW 3	2	2	.030	
6	69	28.96	47.0	45.8	37.5	52.5	4.0	2.0	.233	.264	73	86	SSW 3	SSW 5	10	10	.265	
7	16	29.50	43.6	39.8	38.8	49.3	2.1	1.3	.239	.219	84	90	NW 4	WSW 2	10	10	.122	
8	48	69	47.3	37.0	33.0	49.0	5.1	0.9	.216	.202	66	92	WNW 3	SW 1	3	0	.240	
9	50	32	39.7	49.9	34.5	50.8	0.9	0.0	.226	.360	92	100	SSE 2	WSW 2	10	10	.488	
10	41	55	46.8	37.7	37.2	53.5	2.0	0.8	.273	.211	86	93	WNW 1	NW 1	10	5	.045	
11	72	70	45.8	37.3	32.2	52.0	4.6	2.2	.212	.181	69	82	NNW 3	N 0.5	4	10	—	⊕ 5p.
12	29.44	29.00	43.1	42.0	31.8	49.0	2.6	1.2	.224	.241	80	91	SSW 3	S 4	2	10	.228	
13	28.69	28.78	44.3	40.5	39.5	46.8	1.7	0.7	.254	.237	87	94	W 1	SSW 1	10	10	—	
14	28.97	29.17	43.4	41.0	34.0	49.7	1.8	1.8	.243	.219	86	86	NE 1	NNE 2	10	10	—	
15	29.29	42	45.0	36.6	36.5	49.0	5.4	1.7	.191	.185	64	86	N 3	N 1	10	8	—	
16	58	65	44.4	36.8	29.9	49.4	5.6	2.1	.183	.180	62	82	NNE 1	N 1	7	9	—	
17	70	76	42.8	36.0	32.0	48.8	4.8	0.3	.183	.206	66	97	NW 1	S 0.5	7	4	.053	▲ showers during day.
18	77	70	43.8	43.8	27.5	48.5	4.0	1.8	.204	.246	72	86	SSW 3	SSW 4	2	7	.125	
19	73	81	50.7	44.8	42.4	50.7	4.0	1.1	.273	.271	74	92	SW 5	SW 1	10	10	.120	
20	80	80	47.0	41.6	41.6	50.3	2.5	0.0	.264	.263	83	100	SSW 2	NE 1	10	10	.380	
21	29.82	90	46.7	38.5	38.5	52.7	3.1	1.0	.249	.213	79	92	N 1	NNW 1	2	0	—	
22	30.02	97	44.7	42.0	30.2	53.3	4.7	2.8	.199	.211	67	79	SSW 1	SSE 3	0	4	—	
23	29.72	52	47.1	51.6	37.5	52.5	2.3	2.7	.270	.314	84	81	SSE 4	SSW 3	10	10	.066	
24	33	15	55.1	51.6	51.0	58.0	1.6	1.0	.388	.356	89	93	S 3	S 3	10	10	.375	
25	14	30	46.0	40.3	37.5	53.5	2.2	2.0	.261	.210	85	84	SSW 4	NW 2	10	1	.016	
26	49	62	51.2	50.6	37.8	56.4	3.2	1.3	.297	.335	79	91	WNW 2	W 1	10	10	—	
27	61	51	50.6	52.9	38.0	54.0	2.7	1.0	.301	.372	81	93	SE 2	SSE 3	10	10	.060	
28	42	28	52.0	53.5	51.7	61.0	1.4	1.4	.351	.370	90	90	S 3	S 4	10	9	.086	
29	25	70	55.6	41.6	41.5	57.8	2.8	2.1	.365	.220	82	84	WNW 1	NNE 1	10	10	.240	
30	29.94	29.93	45.0	43.5	33.7	49.2	3.8	4.4	.218	.194	73	69	NE 0.5	SSE 3	10	10	.108	
Mean	29.541	29.543	47.7	44.0	38.6	52.6	3.0	1.6	.266	.259	79.0	88.3	2.5	2.1	7.9	7.9	3.461	



## DUBLIN (PHOENIX PARK).—APRIL 1899.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.22 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.										
1	ins.	ins.	50.7	51.0	48.2	59.2	2.0	1.2	320	343	87	92	SW	1	Calm	0	9	4	ins.	—	Fine day.	
2	29.93	29.89	50.7	51.0	48.2	59.2	2.0	1.2	320	343	87	92	SW	1	Calm	0	9	4	—	—	Fine day.	
3	29.85	29.79	52.3	52.1	43.6	55.8	1.5	2.5	352	324	90	83	WSW	1	SW	1	9	7	—	—	Fine day.	
4	29.82	29.81	52.2	47.6	47.2	59.8	1.9	2.9	340	262	87	80	WSW	1	Calm	0	8	8	0.10	0.10	Fine day.	
5	29.68	29.83	55.6	46.0	45.7	58.6	2.5	3.3	372	238	84	77	W	3	W	3	7	2	0.05	0.05	6 p.	
6	29.91	29.79	50.7	50.4	43.9	54.6	4.2	1.5	269	328	73	90	WSW	3	W	2	6	6	0.07	0.07	1 p. - 5 p.	
7	29.83	29.73	47.8	48.9	38.6	55.7	3.5	5.0	252	235	76	67	SW	1	SW	3	6	7	0.10	0.10	11 a. - 1 p. showers p.	
8	29.61	29.60	44.7	41.1	40.7	49.8	2.7	1.5	236	226	80	88	NW	4	W	1	9	6	0.10	0.10	Squally 11 a. - 1 p. showers p.	
9	29.60	29.45	42.5	39.6	36.9	49.0	3.7	2.4	203	197	73	81	WNW	3	WNW	1	6	0	0.10	0.10	Sunny day.	
10	29.48	29.40	42.5	39.6	36.9	49.0	3.7	2.4	203	197	73	81	WNW	3	WNW	1	8	2	0.10	0.10	Dull, with 9.0.	
11	29.79	29.80	43.3	40.1	33.8	49.5	3.7	1.5	205	217	73	88	NW	2	Calm	0	4	6	0.10	0.10	9.0 showers a. and p.	
12	29.56	29.56	43.3	43.5	34.3	52.6	4.4	2.3	192	233	68	82	SW	1	S	1	4	9	0.05	0.05	Beautiful day.	
13	29.81	29.85	41.9	36.4	35.9	49.6	1.9	1.0	226	197	86	92	SW	1	Calm	0	9	4	0.10	0.10	Bright a. Cloudy p.	
14	29.99	29.99	44.4	42.5	28.9	49.6	2.6	2.8	236	215	81	79	NE	2	NE	2	8	7	0.30	0.30	9.0 showers a. Cloudy day.	
15	29.31	29.46	41.1	42.0	38.9	44.9	2.3	4.2	210	187	82	71	N	3	N	1	8	8	0.05	0.05	9.0 showers a. Cloudy day.	
16	29.64	29.70	42.6	34.9	31.3	47.5	4.5	1.3	187	177	70	88	N	1	Calm	0	6	5	0.05	0.05	Dull, with 9.0 showers.	
17	29.78	29.84	42.0	33.1	32.9	46.6	3.3	0.9	202	170	76	90	Calm	0	Calm	0	6	4	0.05	0.05	Beautiful day.	
18	29.87	29.87	44.9	44.4	30.0	52.1	5.1	2.8	196	232	65	79	SW	1	SW	2	2	4	0.10	0.10	2.40 - 5 a. 9.0 showers p.	
19	29.89	29.90	49.5	44.5	41.1	55.7	4.4	2.3	252	215	71	83	WSW	2	Calm	0	7	5	—	—	Fine day.	
20	29.88	29.84	48.4	44.1	39.2	51.0	4.6	0.5	236	215	70	96	SW	1	Calm	0	8	10	0.10	0.10	Dull day.	
21	29.83	29.97	44.2	41.7	39.2	51.2	2.4	2.6	238	211	82	81	NE	2	Calm	0	9	2	0.10	0.10	11 a. - 7 p.	
22	30.10	30.06	45.1	41.1	31.1	49.2	5.9	3.6	183	188	61	74	Calm	0	Calm	0	1	4	0.05	0.05	Beautiful day.	
23	29.81	29.62	46.8	53.5	32.9	55.1	3.0	2.0	252	354	80	87	SE	1	SW	1	9	8	0.10	0.10	Dull day. 9.0 a. and p.	
24	29.44	29.27	53.0	52.6	49.7	61.6	1.6	1.9	358	345	89	87	Calm	0	Calm	0	9	9	0.10	0.10	Cloudy day. 9.0 a. and p.	
25	29.28	29.34	47.2	45.2	39.1	53.4	4.0	1.5	235	266	73	89	SW	3	NW	1	6	9	0.10	0.10	9.0 showers.	
26	29.57	29.71	49.3	43.5	37.3	55.1	3.9	0.9	260	262	73	93	W	2	Calm	0	5	4	—	—	Fine day.	
27	29.69	29.63	54.4	54.0	40.2	57.8	4.8	2.0	298	360	70	86	Calm	0	SW	1	5	8	—	—	9.0 a. Fine day.	
28	29.51	29.40	56.4	52.6	52.4	61.5	4.7	2.8	328	323	72	81	SSW	3	SW	2	6	7	0.05	0.05	Fine day.	
29	29.34	29.71	53.3	45.8	45.5	58.9	2.5	1.1	338	284	83	93	W	1	NNE	1	9	10	0.05	0.05	9.0 showers a. 8 p. - 11 p.	
30	29.01	29.03	44.4	44.7	39.9	48.4	4.5	2.8	200	235	68	79	Calm	0	Calm	0	6	19	0.10	0.10	Fine day.	
Mean	29.634	29.637	47.5	44.8	39.1	53.3	3.3	2.1	257	255	77.4	84.4	1.5	—	0.9	6.8	6.1	2.020	—	—	—	—

## PARSONSTOWN.—APRIL 1899.

Height above Mean Sea Level, 175 feet. Heights above Ground:—Bar., 2 feet. Therms., 4 feet 6 inches. Rain-gauge, 8 inches.  
Long. 7° 55' W. Lat. 53° 6' N. Gravity Correction, +0.21 in.

1	29.92	29.89	49.8	50.6	47.8	59.6	1.3	1.8	32.5	32.3	91	88	W	1	NW	1	10	10	—	Cloudy and mild.
2	29.88	29.77	51.6	51.7	49.9	56.5	1.9	2.0	33.3	33.2	87	87	SW	1	S	1	10	10	0.06	Overcast and mild.
3	29.83	29.86	53.3	50.6	48.8	56.3	2.5	3.7	33.8	27.8	83	75	SW	1	SW	1	10	10	0.04	Fine day.
4	29.77	29.85	55.3	46.7	44.0	56.5	4.9	4.0	30.9	23.0	70	73	SW	2	W	3	9	8	0.020	0.0 showers.
5	29.94	29.84	49.7	48.2	44.8	52.9	3.8	1.4	26.7	30.2	74	91	SW	1	SW	1	10	7	0.212	Dull and cloudy, with 0.0 showers.
6	29.78	29.08	47.5	45.7	36.6	54.6	3.1	3.4	25.7	23.3	79	76	S	1	SW	4	10	10	0.478	Squally 0.0 p.
7	29.41	29.67	44.7	43.6	41.3	50.8	3.0	3.7	23.1	20.8	78	73	SW	4	W	3	7	6	0.010	Fine day. Squally 0.0 showers.
8	29.65	29.82	45.7	40.3	37.8	52.9	5.7	1.9	19.2	21.2	62	85	NW	3	SW	1	7	9	0.182	Fine and sunny.
9	29.57	29.47	50.3	51.0	38.9	52.0	0.5	0.6	35.3	35.8	97	96	SW	1	W	3	10	10	0.110	0.0 a. Dull and overcast.
10	29.50	29.63	49.5	41.2	38.9	51.8	2.8	2.3	28.5	21.2	81	82	NW	1	W	1	9	10	0.032	Fine day.
11	29.82	29.79	44.7	38.6	34.2	52.5	3.8	1.2	21.6	21.1	72	91	NW	1	SW	1	6	8	—	Fine day. 0.0 p.
12	29.50	29.05	42.8	41.7	30.8	49.0	2.6	0.8	22.1	22.8	80	94	SE	1	SE	1	7	10	0.200	Fine a. 0.0 p.
13	29.78	29.80	43.7	39.7	36.6	47.8	2.7	0.8	22.7	22.8	79	93	SW	1	S	1	10	9	0.126	Cloudy, with 0.0 showers.
14	29.97	29.16	41.5	40.6	34.8	48.7	1.1	1.8	23.9	21.6	91	86	NE	1	NW	1	10	0	0.050	0.0 (mist) a. 0.0 showers.
15	29.30	29.45	42.7	41.6	33.0	47.9	3.5	3.3	20.4	19.8	74	76	NE	1	NW	1	7	9	0.010	0.0 showers.
16	29.62	29.68	43.2	38.6	27.9	48.8	4.8	1.2	18.5	21.1	66	91	NW	1	NW	1	2	10	0.057	Fine, but cool.
17	29.75	29.80	40.3	36.6	34.9	47.8	2.5	1.7	20.0	18.5	80	86	NW	1	W	1	8	2	—	Fine, but cool.
18	29.84	29.83	45.7	42.6	28.9	49.9	4.7	2.2	20.9	22.7	68	84	SSW	1	SW	1	4	4	0.090	0.0 showers. 0.0 p.
19	29.87	29.88	48.8	44.8	39.8	54.6	3.8	1.9	25.7	25.4	74	86	W	1	S	1	6	10	—	Fine day. 0.0 p.
20	29.88	29.78	48.7	44.3	40.8	49.7	3.8	1.0	25.5	26.8	74	92	SW	1	SE	1	10	10	0.190	Dull and overcast, with 0.0 showers.
21	29.81	29.97	45.1	40.2	39.8	51.7	2.2	1.8	25.0	21.3	83	86	NE	1	NW	1	10	0	—	Fine, but cool. 0.0 p.
22	29.07	29.99	44.7	43.2	28.5	55.7	3.3	2.3	22.5	23.0	76	82	S	1	SE	1	3	9	0.241	Fine day.
23	29.67	29.59	46.0	52.1	40.8	57.2	1.2	1.2	28.3	33.7	92	91	SE	2	S	1	10	10	0.175	Dull and cloudy, with 0.0 showers.
24	29.39	29.25	55.7	50.6	48.9	61.8	3.0	1.4	36.1	33.2	81	90	S	1	W	2	10	10	0.268	Cloudy, with 0.0 showers.
25	29.22	29.39	46.5	44.0	37.1	51.8	1.7	1.2	27.7	26.1	88	90	SW	2	NW	1	6	3	0.115	0.0 showers.
26	29.57	29.67	50.8	47.9	38.0	54.9	4.9	1.8	25.6	28.9	69	88	SW	1	Calms	0	6	9	—	Cloudy day.
27	29.63	29.58	52.6	54.6	44.8	57.2	2.6	0.9	32.7	40.1	82	94	SE	1	S	1	10	10	0.056	Overcast and mild.
28	29.45	29.31	54.7	53.3	50.8	62.5	1.4	2.4	38.8	34.1	91	83	S	1	S	1	10	10	0.085	Cloudy and mild, with 0.0 showers.
29	29.37	29.70	54.0	47.0	45.9	58.6	2.6	2.3	34.4	26.8	82	84	W	1	NW	1	9	10	0.158	Cloudy, with 0.0 showers.
30	29.94	29.98	49.7	47.7	38.7	50.6	5.3	2.2	23.7	27.9	66	85	S	1	S	1	9	10	—	Cloudy and cool.
Mean	29.622	29.617	48.0	45.3	39.5	53.4	3.0	1.9	26.8	26.4	79.0	85.9	1.3	1.3	8.2	8.1	2.968			

## DEERNES.—MAY 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +0.36 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
	ins.	ins.							in.	in.	%	%					ins.	
1	29.78	29.74	43.8	41.2	35.3	46.5	3.8	1.2	207	233	72	91	SSE 4	E 2	9	10	—	Cold and dry.
2	29.83	29.91	44.1	39.5	38.8	47.4	3.3	3.7	219	174	75	72	NNE 2	N by W 1	10	1	—	Cold and dry.
3	30.02	30.12	45.0	40.0	37.0	47.6	4.0	2.0	214	207	72	84	NE 2	NNE 1	1	1	—	Fine day.
4	29	26	47.4	41.5	36.0	48.3	5.1	2.3	217	215	67	83	ENE 1	SE 1	4	0	—	Very fine.
5	31	36	47.0	42.2	39.5	48.0	4.0	2.0	233	227	73	85	SE 2	ESE 1	1	0	—	Very fine.
6	38	35	45.5	42.2	40.6	48.3	4.5	3.2	210	205	69	77	ESE 2	ESE 1	10	3	—	Very fine.
7	31	23	45.4	44.0	41.0	48.4	3.9	1.6	221	252	73	87	SSE 1	SE 2	4	0	—	Very fine and dry.
8	14	30.05	49.3	45.0	42.0	50.8	4.2	2.0	254	253	72	85	SE 4	ESE 1	0	0	—	Very fine and dry.
9	30.02	29.93	50.8	45.0	42.2	53.0	4.7	2.0	259	253	70	85	EbyN 2	NE 2	0	0	—	Very fine and dry.
10	29.86	28	49.0	47.0	44.0	49.0	3.6	2.0	263	275	75	86	NNE 2	NNE 2	9	9	—	Sky inky blue all day.
11	90	91	47.0	45.0	44.2	51.0	2.0	2.0	275	253	86	85	NNE 2	NNE 3	8	10	—	Cold and dry.
12	89	79	45.0	43.5	42.6	46.6	3.0	2.8	233	223	78	78	N 3	N 1	10	10	—	Overcast, cold and dry.
13	67	54	44.2	44.2	41.2	48.0	3.4	1.0	218	268	75	93	NE 3	NNE 3	9	10	—	Overcast all day. ☼
14	43	29.30	45.2	44.6	42.8	46.2	1.9	0.6	258	280	86	95	ESE 2	SE 3	10	10	25	Overcast all day. ☼ 100. - sp.
15	29.25	28.97	46.0	45.5	42.0	46.8	0.0	0.0	311	305	100	100	E 1	NE 6	10	10	72	☼ till noon, then ☼.
16	28.76	28.94	45.0	44.0	43.0	47.8	0.0	1.8	299	248	100	86	S 5	S 6	10	10	755	☼ nearly all day.
17	28.96	29.16	47.8	45.8	43.0	52.3	1.4	1.0	298	286	90	93	S 5	SW 6	9	10	08	Dull, with ☼ showers.
18	29.39	19	50.2	41.5	41.0	52.8	3.7	1.2	274	237	76	90	SW 4	NNW 5	3	10	84	Dull a. ☼ 2 p.
19	39	55	45.6	46.0	40.0	53.0	1.6	1.0	269	287	88	93	W 7	FNE 2	10	9	01	☼ till 9a.
20	54	74	44.8	41.8	40.0	53.0	2.8	2.0	235	225	79	85	NE 7	NNE 5	10	10	—	☼ showers. Very cold.
21	84	92	42.0	39.7	37.5	46.6	5.7	4.7	164	158	62	65	N 5	NNE 3	6	5	04	☼ showers.
22	93	89	43.8	40.0	35.7	45.0	3.8	3.2	207	186	72	75	NE 2	E by S 1	9	4	—	Fine all day.
23	81	73	45.0	42.0	38.0	47.0	5.0	3.2	197	204	66	77	ESE 3	ESE 3	4	9	—	
24	73	80	45.0	38.8	38.2	47.8	4.3	1.5	209	207	70	88	ENE 2	NNE 4	4	8	—	Mild a. Cold after 6p.
25	89	29.95	45.7	40.8	36.2	47.6	4.5	2.8	213	199	69	78	NbyE 3	N 2	6	8	—	Bitterly cold.
26	29.99	30.08	45.4	40.0	36.2	49.4	4.4	1.9	211	209	70	85	N 2	N 1	2	0	—	Fine and dry.
27	30.15	24	49.2	46.0	38.8	54.0	5.5	2.0	228	265	65	86	WSW 2	Calm 0	0	0	—	Very fine.
28	25	25	52.3	47.8	41.7	56.3	3.5	1.3	302	301	77	91	W 3	W 2	2	6	5	∞ from 6p. ☼ 6p.
29	30.18	30.08	55.0	50.0	45.0	60.8	6.0	2.0	280	309	65	86	W 3	SSW 1	2	10	—	Fine day. ☼ p.
30	29.88	29.86	53.7	50.0	48.2	55.8	6.5	0.3	255	333	61	98	SW 4	W 4	10	10	135	☼ 100. - 4p. ☼ p.
31	29.96	30.04	51.8	48.0	46.2	55.8	1.5	1.0	346	309	89	93	SW 2	W by S 1	10	1	06	☼ before 9a. Very fine.
Mean	29.827	29.830	47.0	43.6	40.6	50.0	3.6	1.9	244	245	75.5	85.6	3.0	2.5	6.5	5.9	2.89	



## BRAEMAR.—MAY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	SW	0.5	NW	0.5	10	9	ins.	✱ (sleet) ✱.
2	28.73	28.55	34.6	39.6	29.1	42.8	1.0	0.9	179	225	90	93	NE	1	E	0.5	8	7	23	☉ showers.
3	28.93	29.07	41.0	37.6	36.0	42.2	2.7	1.7	202	193	79	85	NE	0.5	NE	0.5	6	0	07	Fine day.
4	29.12	28.18	42.7	38.9	24.8	48.0	3.2	4.1	176	137	75	65	NE	0.5	NE	0.5	6	0	—	Fine, but cold.
5	29.22	29.09	40.7	38.6	25.2	49.4	3.9	2.8	179	191	65	82	NE	0.5	NE	0.5	6	0	—	Fine, but cold.
6	29.29	29.27	38.0	40.6	27.5	56.9	1.8	2.1	180	182	71	78	E	0.5	SW	0.5	7	3	—	Fine day.
7	29.22	29.17	42.5	41.6	33.0	58.2	2.9	3.3	194	211	85	84	S	0.5	S	0.5	7	1	—	Fine day.
8	29.07	29.01	53.5	45.7	27.0	63.9	8.1	4.7	213	198	78	76	S	0.5	S	1	2	0	—	Fine day.
9	28.95	28.87	49.1	46.6	28.0	58.3	7.4	3.1	223	209	55	68	S	0.5	E	0.5	1	0	—	Fine day.
10	28.78	28.75	47.6	49.6	42.2	58.1	2.2	1.3	194	248	56	79	E	1	E	0.5	9	9	17	Fine day.
11	28.80	28.87	48.5	42.1	41.0	57.8	2.8	1.8	277	322	85	91	E	1	E	0.5	9	7	13	Dull, with ☉.
12	28.84	28.74	43.6	42.4	37.5	52.8	1.9	1.7	274	230	81	86	E	1	E	2	8	5	—	Fine day.
13	28.62	28.47	41.6	40.6	37.4	52.7	1.4	0.6	243	235	86	87	E	1	E	1	9	2	—	Fine day.
14	28.32	28.27	42.1	40.6	35.8	47.8	1.1	0.5	240	242	90	95	E	1	E	1	9	8	18	☉ showers.
15	28.22	28.03	42.6	41.5	31.2	46.0	2.0	1.5	244	242	91	96	NE	0.5	S	0.5	9	3	20	Dull, with ☉.
16	27.98	27.06	45.5	43.5	39.7	49.8	4.0	1.7	231	230	85	88	SW	0.5	SW	1	6	8	27	☉ showers.
17	28.10	28.37	48.6	41.7	40.0	52.0	6.1	0.7	220	246	72	86	SW	2	SW	4	9	8	02	☉ showers.
18	28.44	28.44	44.3	37.4	36.0	45.2	1.0	0.9	211	249	62	94	SW	2	SW	1	9	3	01	☉ showers.
19	28.49	28.45	48.6	47.7	36.2	54.2	0.3	5.2	268	206	92	93	SW	0.5	W	2	9	8	74	☉ showers.
20	28.37	28.67	44.4	38.5	31.9	49.0	0.9	0.3	335	218	98	66	W	1	NE	1	6	9	77	☉ showers.
21	28.74	28.81	39.6	37.9	34.5	47.3	0.1	0.2	272	227	93	98	E	1	E	2	8	8	09	Dull and cold.
22	28.80	28.78	40.6	38.4	30.2	42.6	0.9	0.9	242	223	99	98	NE	1	E	1	8	9	—	Dull and cold.
23	28.70	28.62	39.4	39.6	33.5	40.2	0.9	0.3	234	214	93	93	E	1	SE	1	8	9	01	Dull and cold.
24	28.63	28.73	36.6	36.2	33.9	41.2	0.1	0.2	224	238	93	97	S	0.5	E	1	6	8	14	☉ showers.
25	28.82	28.90	38.6	38.5	26.5	44.4	0.1	0.9	215	210	100	98	E	1	E	1	9	5	02	Dull and cold.
26	28.97	29.02	41.6	39.6	27.8	50.0	0.1	0.9	232	215	99	92	E	1	E	1	8	8	—	Fine day.
27	29.09	29.18	50.4	44.6	27.2	56.3	3.8	4.8	261	225	99	93	NE	0.5	E	0.5	9	7	—	Fine day.
28	29.23	29.19	48.6	51.6	29.2	62.0	2.1	5.3	274	198	76	67	E	0.5	SE	0.5	4	5	—	Fine day.
29	29.16	29.11	55.6	52.4	35.1	64.0	8.8	5.2	292	256	86	68	SE	0.5	S	0.5	1	8	—	Fine day.
30	28.98	28.95	54.8	51.7	47.0	60.8	9.3	2.4	233	266	53	68	SW	0.5	W	0.5	7	7	—	Fine day.
31	29.01	29.04	56.6	53.2	47.0	67.0	8.8	6.5	216	322	51	84	SW	2	SW	2	8	8	—	Fine day.
31	29.01	29.04	56.6	53.2	47.0	67.0	8.8	6.5	245	249	53	62	SW	2	NW	0.5	7	2	—	Fine day.
Mean	28.786	28.791	44.5	42.4	33.7	51.9	3.1	2.2	233	228	80.4	84.2	0.9	1.0	7.2	5.8	3.05			

## LAUDALE.—MAY 1899.

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

1	29.83	29.83	41.7	44.0	35.2	49.2	1.5	0.3	232	281	89	98	SSE	5	NW	1	10	10	04	✱ (sleet) a. ☉ from 3p.
2	29.93	30.02	50.2	45.0	42.0	51.7	3.2	3.0	284	233	79	78	E	3	E	3	3	3	—	Bright intervals.
3	30.18	29.45	49.2	47.3	34.7	54.5	2.6	3.3	287	250	82	77	NE	1	SE	2	0	3	—	— a. Fine all day. Snow on hills.
4	30.33	30.37	48.7	44.7	35.4	55.3	5.7	1.7	219	257	63	87	NE	1	Calm	0	0	7	—	— a. Fine all day. Snow on hills.
5	30.43	30.45	49.0	44.8	41.9	55.0	2.4	2.8	289	235	83	79	ESE	2	Calm	0	0	0	—	— a. Fine all day. Snow on hills.
6	30.49	30.44	51.2	48.9	39.9	59.0	4.6	5.9	266	218	71	62	E	1	Calm	0	0	0	—	— a. Fine all day. Snow on hills.
7	30.43	30.35	53.4	46.5	39.9	59.2	4.6	1.6	291	279	71	88	E	1	Calm	0	1	0	—	Snow on hills. Fine day.
8	30.27	30.14	49.9	48.0	41.0	62.8	2.3	2.4	301	276	85	83	N	1	N	1	0	0	—	Fine day.
9	30.08	30.00	56.9	56.9	42.0	66.0	6.9	7.0	284	283	61	62	Calm	0	ENE	2	5	10	02	Fine a. ☉
10	29.95	29.94	49.3	52.4	47.7	57.2	0.9	0.7	328	374	94	95	E	1	S	1	10	10	33	☉ all day.
11	29.98	29.99	54.5	50.9	45.0	59.0	2.5	1.2	354	343	83	92	Calm	0	S	1	5	7	02	☉ showers a.
12	30.08	30.13	49.9	49.9	43.7	61.2	1.3	1.9	344	310	81	87	S	2	Calm	0	8	10	16	Dull and warm.
13	30.77	30.63	46.8	46.0	40.0	55.6	1.3	1.0	289	287	91	93	SE	2	Calm	0	10	10	36	☉ showers.
14	30.46	30.44	44.9	45.9	40.7	52.2	1.9	1.7	254	271	86	89	SE	1	SSE	1	10	7	07	✱ (sleet) a. Heavy snow on hills.
15	30.36	30.24	54.0	47.0	40.2	57.0	5.0	1.8	288	280	69	87	Calm	0	NW	2	3	7	10	Very bright a. ☉ in evening.
16	30.19	30.26	49.7	45.7	42.7	51.6	3.2	2.5	279	251	79	82	WNW	4	NW	4	10	10	45	☉ showers.
17	30.32	30.55	47.7	45.5	43.0	51.4	1.5	1.8	294	263	89	87	NW	4	NW	4	10	8	02	☉ showers.
18	30.58	30.64	48.7	45.0	42.0	48.7	2.9	2.0	275	253	81	85	S	2	NW	3	10	10	22	☉ in evening.
19	30.72	30.54	52.2	47.7	44.0	56.2	4.7	1.7	275	289	71	88	NW	2	ESE	4	6	10	29	Cold and unseasonable. ☉ p.
20	30.84	30.81	51.0	46.0	45.7	52.2	3.0	3.0	299	244	80	79	E	5	E	5	10	10	01	☉ early a. Snow on hills.
21	30.97	30.01	46.0	46.0	41.0	52.0	3.0	2.8	244	244	79	80	E	6	E	3	5	9	—	Cold and dry with ☉. [4p.]
22	30.01	30.96	47.5	42.1	39.9	50.4	5.3	1.1	214	244	65	91	E	5	SE	4	3	10	01	Cold with squally ☉. T shower
23	29.83	29.74	49.0	46.0	40.0	55.4	3.3	2.0	270	265	77	86	ENE	4	ENE	4	7	8	—	Cold (gale). Snow on hills.
24	29.74	29.90	47.0	45.7	43.0	50.4	4.0	2.7	233	247	73	81	ENE	5	ESE	4	9	10	—	Bright, cold and dry.
25	30.03	30.09	48.2	46.8	38.7	51.2	5.2	3.8	223	235	66	74	NE	2	NE	1	5	7	—	— a. Bright, clear and dry.
26	30.14	30.23	48.0	42.7	34.1	54.4	3.0	1.9	263	234	79	86	NE	1	NE	1	1	0	—	— a. Fine and bright.
27	30.35	30.43	50.3	45.7	35.2	55.4	3.3	1.3	283	278	78	91	N	2	N	1	3	0	—	Very fine.
28	30.45	30.45	53.6	48.3	37.5	58.9	3.6	2.3	315	282	76	84	Calm	0	Calm	0	6	1	—	Very warm and dry.
29	30.38	30.31	58.7	55.0	39.7	64.4	6.4	2.0	318	375	64	87	SE	1	Calm	0	2	10	—	Squally ☉.
30	30.23	30.20	56.8	54.0	50.0	58.7	4.8	2.7	330	342	71	82	WNW	5	W	4	7	10	—	Fine, bright and warm.
31	30.22	30.21	56.8	50.8	49.2	66.8	5.8	2.1	307	319	66	86	NW	1	Calm	0	8	1	—	
Mean	29.972	29.976	50.4	47.5	41.1	55.9	3.5	2.3	282	276	77.2	84.1	2.3	1.8	5.4	6.4	2.10			

## DUNDEE.—MAY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.	
								Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.		
1	29° 82	29° 67	37° 2	42° 4	34° 0	43° 9	0° 4	0° 8	·214	·254	96	94	NE	2	NW	1	10	10	✱ (sleet) ✱ 6a.-noon.
2	29° 81	29° 89	44° 2	40° 1	39° 1	45° 9	1° 6	0° 7	·255	·233	88	94	NE	4	NE	1	10	10	Dull day.
3	30° 00	30° 10	45° 6	38° 9	33° 5	53° 0	3° 1	0° 7	·230	·223	76	95	NE	2	E	2	5	0	Cloudy till 11a, then fine.
4	° 20	° 26	47° 8	38° 4	33° 5	48° 7	5° 0	0° 8	·223	·216	68	93	E	2	E	1	5	7	Dull a.
5	° 32	° 37	46° 8	39° 6	34° 4	51° 5	3° 9	1° 5	·233	·213	73	88	SE	2	NE	1	10	0	Cloudy till 11a, then fine.
6	° 38	° 36	46° 6	41° 6	35° 7	52° 8	4° 0	1° 7	·229	·228	73	87	SW	1	SE	1	10	10	Dull till noon and from 6p.
7	° 33	° 26	50° 4	50° 4	40° 1	53° 6	5° 7	0° 8	·240	·249	65	94	SE	2	SE	1	5	0	Fine day.
8	30° 16	30° 02	53° 6	45° 9	32° 9	62° 3	5° 8	3° 7	·268	·230	65	74	SE	1	NE	2	0	0	Fine day.
9	29° 92	29° 85	52° 3	47° 1	42° 4	58° 5	7° 0	1° 3	·231	·292	60	91	NE	4	NE	6	10	10	° 36 showers till 4p., then steady
10	° 77	° 79	49° 8	49° 6	45° 3	51° 2	0° 6	0° 4	·343	·346	95	97	SE	1	SE	1	10	10	° 48 n. and during day.
11	° 80	° 85	51° 8	46° 6	45° 8	60° 7	2° 5	2° 0	·321	·271	83	86	NE	1	SE	2	° 10	° 01	° n. showers till 11a.
12	° 86	° 80	49° 6	44° 5	38° 7	55° 0	2° 2	1° 1	·301	·268	85	91	SW	2	SE	2	10	10	Dull day.
13	° 66	° 51	46° 6	42° 9	41° 7	49° 6	2° 8	1° 3	·254	·248	81	90	SE	2	E	4	10	10	Dull day.
14	° 35	° 32	47° 4	46° 1	41° 2	50° 3	0° 3	0° 7	·319	·296	98	95	SW	1	NE	1	10	5	° 16 till 8.30a. ° showers till 2p.
15	° 23	° 06	46° 2	46° 5	40° 3	48° 0	0° 6	0° 6	·299	·303	96	95	S	1	SW	4	10	10	° 32 from 6.30a.
16	° 05	° 13	51° 5	47° 8	42° 4	56° 9	4° 8	2° 9	·265	·265	70	80	W	6	W	8	5	10	° 02 ° n. ° showers p.
17	° 17	° 41	50° 8	46° 8	44° 7	57° 5	3° 4	2° 7	·287	·257	77	81	SW	6	W	6	10	10	Dull and cloudy.
18	° 49	° 30	47° 6	42° 6	41° 3	51° 8	1° 0	2° 0	·305	·331	93	85	SE	1	W	6	10	10	° 91 7.30a.-6p.
19	° 60	° 46	51° 6	46° 4	41° 2	58° 1	4° 8	0° 8	·267	·296	71	94	W	6	E	6	5	10	° 92 from 2p.
20	° 33	° 68	46° 6	43° 6	42° 6	48° 5	0° 9	2° 7	·297	·226	94	79	NE	8	NE	6	10	10	° 07 till 11a. ° showers till 4p.
21	° 84	° 91	45° 8	41° 5	36° 5	48° 6	4° 4	2° 3	·216	·215	70	83	NE	2	E	1	5	10	—
22	° 93	° 86	43° 6	40° 3	35° 3	52° 6	3° 0	1° 4	·220	·221	78	89	SE	1	SE	2	10	10	° 20 from 7p.
23	° 75	° 66	42° 6	42° 8	38° 3	44° 5	0° 0	1° 1	·273	·272	100	100	SE	2	SE	2	10	10	° 09 till 8a. ° showers during day.
24	° 65	° 75	42° 9	41° 2	39° 4	45° 7	1° 3	1° 6	·248	·225	90	88	4	SE	2	SE	2	10	° 01 ° n. ° showers till 1p.
25	29° 87	29° 95	49° 8	41° 8	33° 4	50° 5	5° 2	1° 4	·240	·236	68	89	E	2	E	1	10	10	° 01 △ ° showers.
26	30° 01	30° 09	50° 6	43° 4	34° 3	52° 7	5° 6	1° 8	·240	·243	65	86	NE	2	E	2	10	10	—
27	° 19	° 26	50° 7	43° 3	35° 1	56° 8	4° 3	1° 7	·266	·244	72	87	SW	1	E	1	0	7	Fine day.
28	° 30	° 29	56° 6	47° 5	34° 9	61° 7	5° 8	2° 7	·306	·266	67	82	SW	1	NE	1	0	10	Fine day.
29	° 23	° 14	57° 6	57° 6	40° 4	70° 2	5° 2	7° 0	·332	·291	70	61	SW	2	W	1	5	7	—
30	° 06	° 02	62° 1	55° 6	46° 7	68° 7	10° 5	4° 8	·272	·316	49	71	SW	6	SW	1	5	10	—
31	30° 07	30° 06	62° 2	59° 6	49° 3	71° 7	8° 5	6° 5	·314	·327	56	65	SW	2	SW	1	5	0	Fine day.
Mean	29° 843	29° 841	49° 3	45° 0	39° 2	54° 2	3° 7	2° 0	·268	·258	77° 2	86° 6	2° 6	2° 5	7° 6	7° 9	4° 05		



## LADYLAW.—MAY 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +0.26 in.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.			9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	40.3	44.8	30.0	51.2	1.0	0.4	229	264	92	89	W	1	SW	10	10	ins.
2	44	54	44.2	40.0	36.6	45.4	1.6	0.7	255	232	88	94	N	1	N	10	10	344 ☉☉ (sleet) a. ☉ 3-30 p.
3	66	74	43.4	36.0	34.0	47.2	1.6	1.6	247	182	87	86	NW	1	N	10	10	344 ☉☉ showers.
4	85	89	43.2	38.8	30.0	46.8	2.6	2.2	224	194	81	83	W	1	E	10	10	346 ☉☉ Chilly wind.
5	29.98	29.99	42.2	39.0	32.4	52.4	2.8	2.4	212	192	80	81	NW	1	NW	10	10	347 ☉☉ Overcast till 3p. Chilly wind.
6	30.04	30.00	44.3	41.2	25.0	49.0	4.7	3.3	196	194	67	75	NE	1	E	10	10	348 ☉☉ Cold wind.
7	29.99	29.92	46.0	45.2	25.8	57.4	4.2	2.6	221	243	72	81	N	1	N	10	10	349 ☉☉ Fine from 11a. Cold wind.
8	83	65	48.0	43.9	26.0	59.0	4.0	3.1	243	221	73	77	N	1	N	10	10	350 ☉☉ Fine day. Cold wind.
9	55	47	46.2	45.0	39.2	46.8	1.1	0.7	287	282	93	94	N	1	E	10	10	351 ☉☉ Fine day.
10	44	44	48.2	50.0	40.4	56.2	0.9	0.8	315	339	94	94	Calm	0	N	10	10	352 ☉☉ Overcast all day. ☉ 9.30a.-2p.
11	46	50	49.4	43.0	41.8	51.4	1.1	1.0	325	255	92	92	N	1	N	10	10	353 ☉☉ Overcast all day.
12	53	46	43.4	42.2	40.0	46.2	1.8	1.4	243	239	86	90	N	1	E	10	10	354 ☉☉ ☉ 6.30a.-8a. Overcast all day.
13	34	29.17	43.0	42.4	39.6	48.8	1.4	0.8	247	254	89	94	NE	1	N	10	10	355 ☉☉ Overcast all day.
14	29.04	28.99	47.4	44.2	38.0	55.4	1.0	0.9	303	270	93	93	SE	1	E	10	10	356 ☉☉ Overcast all day. ☉ after 3p.
15	28.88	78	50.4	44.8	35.0	52.2	1.5	1.2	328	269	90	91	NE	1	SW	10	10	357 ☉☉ Overcast till noon. ☉
16	83	28.95	51.0	42.4	38.8	53.8	3.2	2.1	294	227	79	84	SW	2	SW	10	10	358 ☉☉ Overcast all day. ☉ at times.
17	28.96	29.19	50.0	46.2	40.0	53.0	2.6	1.8	295	272	82	88	SW	2	W	10	10	359 ☉☉ Cloudy day. ☉ at times.
18	29.14	18	45.8	43.4	40.6	55.4	1.2	1.8	281	243	92	86	E	1	SE	10	10	360 ☉☉ Overcast till 3p. ☉ at times.
19	29.34	04	51.2	52.0	37.6	55.2	2.0	1.4	325	281	86	90	SW	1	W	10	10	361 ☉☉ Overcast all day. ☉ till 7p.
20	28.98	29	54.0	43.2	41.6	55.8	2.8	1.6	339	245	81	88	W	1	W	10	10	362 ☉☉ ☉ at night.
21	29.50	57	46.2	39.4	37.6	47.6	1.9	1.5	270	212	87	88	N	1	NE	10	10	363 ☉☉ Overcast all day. ☉ p.
22	58	53	43.0	39.3	37.2	47.4	1.8	0.6	238	229	86	96	NE	1	NE	10	10	364 ☉☉ Overcast all day.
23	41	26	43.4	44.6	36.8	51.8	1.1	1.4	258	263	91	90	N	1	E	10	10	365 ☉☉ Overcast all day. ☉ from 8p.
24	24	40	43.4	42.3	39.4	46.4	0.6	1.1	269	246	95	92	N	1	N	10	10	366 ☉☉ Overcast all day.
25	52	61	41.0	40.4	36.8	46.2	1.4	2.6	227	199	89	80	N	1	E	10	10	367 ☉☉ ☉ a. Overcast all day.
26	66	70	48.0	43.0	31.8	50.4	1.6	3.4	295	208	89	75	E	1	E	10	10	368 ☉☉ Overcast, raw and cold.
27	87	92	49.0	44.2	34.0	56.4	1.8	4.0	303	207	87	71	N	1	W	10	10	369 ☉☉ Fine all day.
28	97	97	57.4	48.4	31.4	66.2	4.8	3.6	337	256	71	76	N	1	W	10	10	370 ☉☉ Fine all day.
29	93	84	59.4	52.4	36.0	67.2	4.6	3.8	371	297	73	76	Calm	0	W	10	10	371 ☉☉ Fine all day.
30	81	77	60.4	51.2	38.6	65.4	3.6	3.6	412	288	79	77	SW	1	W	10	10	372 ☉☉ Fine all day.
31	29.80	29.76	61.2	55.0	43.0	69.2	4.6	4.4	397	316	74	73	SW	2	W	10	10	373 ☉☉ Fine all day.
Mean	29.518	29.510	47.9	44.1	36.0	53.3	2.3	2.0	283	248	84.5	85.3	1.1	1.2	6.9	6.4	2.586	

## SCARBOROUGH.—MAY 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.25 in.

1	29.86	29.57	42.4	49.3	36.3	51.0	0.4	0.3	262	344	97	98	S	1	S	2	10	10	284	☉ a.
2	66	76	45.2	42.0	41.9	50.3	0.2	0.1	297	265	99	99	NNW	2	Calm	0	6	10	285	☉ a.
3	29.87	29.97	44.3	41.6	39.1	46.8	1.6	1.9	255	223	87	85	N	3	N	3	5	7	—	—
4	30.07	30.18	45.8	39.3	38.0	47.7	2.2	2.3	258	196	84	81	N	3	Calm	0	4	4	—	—
5	24	28	47.9	41.0	30.6	48.8	2.7	1.0	269	235	81	92	N	2	NE	1	3	1	—	—
6	28	24	47.0	42.9	33.1	49.0	2.8	1.0	258	254	79	92	N	2	N	1	7	10	—	—
7	23	30.16	47.4	41.2	36.7	50.6	1.6	0.4	288	250	88	97	N	3	N	2	3	0	—	—
8	30.02	29.84	50.0	44.7	40.2	53.7	1.9	0.2	312	292	87	98	N	3	N	3	1	10	119	☉ p.
9	29.71	70	46.8	44.2	43.6	47.6	0.1	0.2	318	286	99	98	N	3	N	1	10	10	293	☉ <sup>0</sup> (mist) p.
10	68	68	46.8	47.1	43.1	50.9	0.2	0.1	316	322	99	99	NNW	2	Calm	0	10	10	460	☉ p.
11	64	71	52.4	45.8	45.0	53.0	0.1	0.1	391	306	99	99	NW	2	NW	3	10	10	858	☉ <sup>2</sup> a. and p.
12	74	72	44.0	42.9	42.3	45.8	0.1	0.1	286	274	99	99	NNW	1	NNW	2	10	10	007	☉ <sup>0</sup> a.
13	60	48	44.6	44.3	41.7	48.0	0.1	0.1	293	289	99	99	NNW	1	SE	2	10	10	058	☉ p.
14	36	27	55.8	48.9	43.0	57.8	2.8	0.1	365	344	82	99	S	3	Calm	0	7	10	051	☉ p.
15	14	14	46.8	46.9	41.2	54.0	0.0	0.4	321	311	100	97	NW	1	S	2	10	4	451	☉ a.
16	18	38	47.0	45.0	41.0	56.5	0.2	0.4	318	289	99	97	SW	2	Calm	0	7	3	151	Sunny day.
17	28	57	48.0	49.4	43.7	57.1	0.2	2.2	330	297	99	85	W	3	SW	3	7	5	011	☉ a.
18	54	66	57.0	50.0	44.8	65.0	1.8	2.0	412	309	88	86	S	4	SW	4	9	6	—	—
19	68	45	56.1	53.5	42.7	60.2	2.8	0.1	370	407	82	99	S	2	SE	2	7	0	151	☉ <sup>2</sup> p.
20	33	50	55.0	45.0	44.8	63.5	1.0	0.1	403	297	93	99	SW	3	NW	4	10	10	022	—
21	74	84	47.0	42.1	41.5	49.7	2.0	1.2	275	242	85	90	N	2	N	2	9	8	127	—
22	86	82	44.8	41.0	38.3	47.1	1.7	0.2	258	253	87	98	ENE	2	SE	1	7	10	175	☉ p.
23	69	54	49.0	47.8	40.4	52.0	0.1	0.1	345	330	99	99	SE	1	SSE	1	10	2	269	—
24	53	55	47.7	43.0	42.0	50.9	0.1	0.4	320	268	99	97	N	2	N	3	10	10	031	☉ a.
25	73	29.84	46.1	40.4	40.0	49.0	1.1	0.6	286	238	91	95	N	3	NNW	3	5	4	019	☉ a.
26	29.90	30.01	46.0	40.7	37.1	49.7	1.8	0.7	269	238	87	95	N	3	N	2	7	6	—	—
27	30.10	21	46.0	41.4	35.3	50.0	1.2	0.6	283	248	91	95	N	3	N	1	7	1	—	—
28	25	19	54.5	43.7	34.7	55.9	4.8	2.7	301	227	71	80	N	2	Calm	0	1	3	—	—
29	20	15	56.0	47.5	38.1	57.2	5.0	1.9	345	283	70	86	NE	2	S	2	2	6	—	—
30	08	08	59.0	53.9	47.1	68.7	5.0	3.9	355	313	71	76	SW	1	Calm	0	2	2	—	—
31	30.09	30.03	65.5	57.0	48.1	72.5	5.6	4.8	437	333	70	72	SW	2	SSE	3	4	7	—	—
Mean	29.785	29.787	49.4	45.3	40.5	53.5	1.7	1.0	315	283	89.1	92.9	2.3	1.7	6.8	6.4	3.330			

Note:—The hygrometrical reductions for Scarborough are somewhat doubtful.

## CRONKBORNE.—MAY 1899.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +0.24 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	48.7	50.0	37.8	54.0	0.2	1.5	340	322	99	90	SW 3-4	NW 2	10	10	ins.	205	Dull and overcast. ☉ a. and p.
2	29.82	29.71	48.7	50.0	37.8	54.0	0.2	1.5	340	322	99	90	ENE 3	NNE 2	10	3	—	—	Dull day.
3	29.78	29.85	49.2	45.0	44.6	52.3	2.9	1.2	281	271	80	91	NE 3	NE 3	7	3	—	—	Fine day.
4	29.98	30.09	45.8	44.8	41.3	50.9	2.5	2.8	253	235	82	79	SE 3	E 3	3	3	—	—	Very fine.
5	30.19	29.3	46.4	46.2	38.2	50.5	3.9	1.2	231	285	74	92	E 3	NW 2	2	2	—	—	Very fine.
6	30	30	47.6	44	41.8	51.4	2.6	2.5	268	234	82	81	ENE 3	ENE 3	1	0	—	—	Very fine. ppp p.
7	37	32	47.0	46.0	39.8	51.2	2.2	1.5	271	276	85	90	E 2	ENE 2	1	0	—	—	Very fine. ppp p.
8	32	30.21	50.0	46.7	36.2	56.0	3.6	1.7	273	279	76	88	E 2	NE 3	0	2	0.50	—	Very fine. ☉ n.
9	30.12	29.94	54.7	52.8	35.2	67.7	7.0	0.8	256	377	61	94	NE 4-5	E 4-5	3	10	—	—	Fine day. Fresh breeze.
10	29.83	27.6	53.5	50.0	45.1	55.0	2.4	1.7	343	317	84	88	SSE 1	WNW 2	7	8	—	—	Fine day. ☉ p.
11	77	77	54.5	50.8	45.0	56.8	4.5	2.1	306	319	72	86	ENE 1	NNE 4-5	10	10	328	—	Overcast. ☉ from 11a.
12	78	78	53.4	48.0	44.1	54.0	2.4	0.6	342	319	84	96	NE 2	NE 2	10	10	316	—	☉ (mist).
13	83	79	46.8	47.0	45.0	48.2	1.6	0.5	282	311	88	97	ESE 1	S 1	10	10	258	—	☉ showers a. Fine p. p <sup>2</sup>
14	66	47	46.0	46.0	44.0	47.2	0.8	0.7	292	294	94	95	S 2	N 1	10	3	014	—	Very fine. p <sup>2</sup> showers 3.30p.
15	24	20	52.0	45.1	37.1	54.0	2.8	1.1	315	274	81	91	W 3	WSW 2	4	2	002	—	Fine. ☉ showers 3.30p.
16	29	38	51.6	48.2	41.2	54.3	4.4	3.2	275	261	72	78	WSW 5-7	WSW 3	8	8	249	—	Squally with ☉ till 3p.
17	43	59	51.2	50.0	45.4	55.6	4.0	2.1	279	307	74	85	SSE 5-6	WSW 2	10	2	327	—	☉ from 10a.
18	44	62	52.2	46.1	45.2	52.8	0.7	1.9	372	268	96	86	SSE 3	S 2	10	10	1309	—	☉ showers before 11a.
19	70	36	51.2	51.9	42.3	52.9	2.0	0.2	325	381	86	99	WSW 2	NE 4	10	10	010	—	☉ after 6p.
20	40	65	53.1	49.4	49.2	60.2	0.8	1.8	382	307	94	88	ESE 3	E 4-5	10	10	267	—	☉ all day.
21	80	82	49.3	47.3	44.8	51.6	3.3	2.2	273	273	77	85	E 4	E 3	10	7	165	—	☉ all day.
22	85	80	43.8	44.7	41.1	48.2	1.9	0.5	245	284	85	96	ESE 1	E 1	10	10	144	—	☉ a. ☉ n.
23	71	55	50.0	50.4	37.6	53.8	0.5	0.6	348	352	97	96	ESE 2	NE 4-5	10	10	037	—	Cloudy day.
24	48	67	50.1	45.2	44.0	54.5	0.5	2.9	349	237	96	79	NE 3-4	N 1	8	6	—	—	Fine day.
25	29.87	29.99	46.4	44.6	42.7	51.3	4.2	2.4	225	241	72	82	ESE 2	WNW 1	8	8	—	—	Very fine.
26	30.03	30.10	48.6	47.4	40.4	54.1	4.6	3.7	238	243	69	75	NNW 3	NNW 3	0	1	—	—	Very fine.
27	21	29	57.3	47.0	41.3	60.2	6.9	3.1	289	251	62	72	SE 2	Calm 0	0	3	—	—	Very fine.
28	36	34	55.9	50.2	40.1	64.2	4.6	3.8	325	271	72	75	SE 3	NW 1	2	2	—	—	Very fine. p p.
29	30	26	57.0	50.2	43.1	64.8	5.4	3.0	318	289	68	80	SW 3	Calm 0	2	1	—	—	Very fine.
30	19	17	61.6	51.8	42.3	62.2	4.8	3.7	398	292	73	76	Calm 0	N 1	0	2	—	—	Very fine. p a. and p.
31	30.14	30.12	62.0	52.0	40.0	65.5	5.0	4.2	399	283	72	73	Calm 0	N 1	0	2	—	—	Very fine.
Mean	29.857	29.853	51.1	47.8	41.9	55.0	3.0	1.9	303	288	80.5	86.5	2.7	2.2	6.2	5.4	3.713	—	—



## HILLINGTON—MAY 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.				
							Dep.of Wet.		Vapour Tension.								Percentage.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 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.	45.1	47.0	31.8	51.4	0.4	1.2	24.6	29.4	82	91	SW	2	S	1	10	6	ins.	Cloudy day.
2	29.77	29.85	51.5	44.2	37.8	52.9	2.7	0.5	31.2	27.8	81	96	NW	2	N	1	8	10	—	Much cir. Cloudy day.
3	29.94	30.04	45.0	39.1	39.1	51.4	2.5	1.4	24.3	21.1	82	87	NE	3	NE	1	8	5	—	Very fine and sunny. Much cir. a. Cold wind.
4	30.16	30.25	46.2	38.0	32.5	51.7	5.9	1.1	19.3	20.7	61	90	NE	4	N	0.5	6	0	—	Very fine and sunny. Clear p.
5	30.30	30.34	49.6	39.5	30.8	54.4	4.9	1.6	24.2	21.0	68	87	NE	3	NE	1	4	0	—	Very fine and sunny. Clear p.
6	30.42	30.49	49.2	41.8	33.9	54.4	4.4	0.7	24.8	24.9	71	95	NE	2	NE	1	2	1	—	Very fine and sunny. Clear p.
7	30.59	30.18	52.1	45.0	38.9	57.2	4.3	2.3	28.1	24.7	72	83	NE	3	NE	1	2	0	—	Very fine and sunny. Clear p.
8	30.04	29.84	54.2	46.0	43.8	56.6	5.4	0.4	28.3	30.1	67	97	NE	4	NE	3	6	10	0.32	Very fine and sunny. Clear p.
9	29.81	29.81	51.0	45.1	44.2	59.6	0.5	0.4	36.1	29.0	97	97	NE	2	NE	0.5	8	10	0.04	Very fine and sunny. Wet (mist)
10	29.83	29.79	47.0	46.5	43.4	50.4	0.5	0.7	30.9	29.9	96	94	N	1	N	1	10	10	0.02	early a. Overcast all day. [p.]
11	29.79	29.84	52.0	50.3	46.0	62.6	1.3	0.8	35.3	34.4	91	94	NW	2	N	1	10	10	—	Very overcast, then fine.
12	29.84	29.83	48.9	46.1	45.9	53.6	0.4	0.5	33.6	29.9	97	96	N	0.5	N	1	10	10	—	Overcast with ∞.
13	29.72	29.60	46.9	48.1	45.0	58.2	0.3	0.4	31.5	32.7	98	97	N	0.5	NE	1	10	10	0.04	Gloomy day. Fine afternoon.
14	29.52	29.39	55.0	51.9	44.3	61.4	2.9	1.1	35.2	35.7	81	92	S	1	S	0.5	10	10	0.18	Cloudy, with ∞ at times.
15	29.26	29.32	49.8	48.9	48.0	54.7	0.2	2.3	35.3	28.9	99	83	SSW	0.5	SW	1	10	7	0.15	28 a. - 11 a. T 5 p. K 7 p.
16	29.41	29.62	52.0	49.2	44.0	61.4	4.2	2.5	28.3	28.8	73	82	W	4	W	3	10	10	0.14	tormy / shower, noon. Fine p.
17	29.50	29.79	52.8	51.0	46.6	61.3	2.1	3.4	34.2	28.9	85	78	WSW	5	SW	1	10	9	0.08	early a. and 8 a. Very stormy
18	29.79	29.69	60.6	58.1	48.2	70.5	4.9	3.6	37.9	37.8	72	78	S	3	S	6	10	8	—	Bright, then overcast. / p. [sky.]
19	29.88	29.62	54.2	54.1	42.2	64.5	4.4	0.2	30.5	34.3	72	78	SW	1	S	4	6	10	0.18	Much cir. p.
20	29.60	29.65	60.1	55.0	52.0	65.3	2.4	2.4	44.1	36.5	85	83	SW	3	WSW	2	10	10	0.22	early a. 2 p.
21	29.86	29.88	47.0	44.8	44.1	55.0	1.3	3.4	29.2	22.4	90	76	N	2	NE	1	10	10	0.18	Very overcast. 9 a. 2 p.
22	29.94	29.92	43.0	43.9	40.3	53.3	0.8	0.2	25.9	28.3	94	98	E	3	SE	1	10	10	0.05	early a. and 8 p.
23	29.61	29.55	52.2	50.6	43.5	64.1	0.8	0.2	36.9	36.4	94	99	SW	1	SW	1	10	5	0.12	Overcast, then sunny. K 11 a.
24	29.78	29.96	47.0	42.5	42.4	51.4	4.6	1.2	22.2	24.6	69	90	NE	4	NE	2	10	10	0.02	Overcast all day.
25	29.99	30.08	50.0	40.0	37.6	52.6	5.3	1.1	23.8	22.5	65	91	NE	3	NE	1	6	3	0.02	Overcast, then finer. showers p.
26	30.23	30.28	47.0	43.6	39.1	52.8	7.3	2.7	17.8	22.6	55	80	NE	3	NE	1	8	9	—	Fine and sunny. [p.]
27	30.36	30.35	52.7	41.9	40.2	57.6	4.9	1.3	27.6	23.8	69	89	NE	3	NE	1	2	1	—	early a. Very fine and sunny.
28	30.32	30.28	55.2	43.5	32.2	61.5	6.6	1.7	26.9	24.5	62	87	NE	2	NE	0.5	1	0	—	Very fine and sunny. p 2
29	30.28	30.22	58.0	53.9	36.1	71.5	6.2	3.2	31.3	33.0	65	79	SE	1	SW	0.5	1	10	—	Cloudless day. Chilly wind. p
30	30.21	30.18	60.1	52.5	41.6	72.0	5.4	3.6	36.0	30.3	69	76	SW	0.5	E	0.5	10	0	—	Very fine and warm. p
Mean	29.917	29.901	51.3	46.8	41.3	58.3	3.3	1.5	30.0	28.9	78.8	88.9	2.3	1.4	7.7	6.7	1.80			Very fine and sunny.

## CHURCHSTOKE.—MAY 1899.

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

1	29.48	29.30	49.2	51.4	39.0	56.5	2.7	0.9	28.3	35.6	81	93	SSW 2	SW 1	9	10	0.30	Dull and breezy.
2	29.32	29.37	52.9	46.8	46.4	58.3	3.9	1.9	30.1	27.5	75	86	W 1	W 1	8	6	—	Cold wind.
3	29.47	29.62	43.4	43.8	41.0	52.3	2.5	3.1	22.8	22.1	81	78	E 3	E 3	10	10	—	Bright, but with cold wind.
4	29.69	29.76	42.7	37.6	29.9	52.0	4.8	1.9	18.2	18.8	66	84	E 2	E 2	8	0	—	Bright, but with cold wind.
5	29.83	29.84	44.8	42.7	29.2	54.6	4.0	2.8	21.4	21.6	72	80	E 2	SE 1	8	0	—	∞ Cold wind.
6	29.88	29.83	47.3	42.4	30.0	54.3	5.8	2.5	20.4	21.8	63	80	E 2	E 2	2	0	—	∞ Bright day.
7	29.82	29.72	50.7	42.3	30.2	58.0	6.0	1.6	23.2	23.6	62	87	E 2	E 1	0	0	—	∞ Bright day.
8	29.61	29.41	53.7	45.2	33.0	62.5	7.6	3.4	23.4	22.8	57	76	ENE 2	E 2	0	5	0.10	∞ Bright day.
9	29.33	29.34	45.6	42.0	41.0	50.0	1.3	1.9	27.5	22.7	90	85	E 1	NW 1	10	0	0.18	Dull and gloomy. Steady
10	29.33	29.38	50.0	44.0	39.1	61.0	2.0	0.3	30.0	28.0	86	97	NE 1	W 1	8	0	—	Bright and warm.
11	29.33	29.33	49.1	49.1	40.9	61.4	0.6	0.9	33.4	32.5	95	94	Calm	NW 1	10	10	—	∞ (mist) a. Steady
12	29.36	29.33	47.7	47.4	46.5	50.5	0.8	0.9	31.1	30.5	94	93	E 1	SE 1	10	10	0.00	∞ (mist) a. Steady
13	29.21	29.05	47.5	45.2	45.0	51.9	0.6	0.8	31.3	28.3	95	94	SSE 1	SSE 1	10	10	0.09	∞ (mist) a. Steady
14	29.08	28.92	52.2	46.8	42.4	60.3	3.4	0.9	30.3	29.8	78	93	SSE 2	SE 1	8	10	—	∞ (mist) a. Steady
15	28.81	28.79	51.0	45.3	40.2	58.2	4.3	1.6	26.9	26.5	72	88	W 1	SE 1	8	8	0.12	∞ (mist) a. Steady
16	28.90	29.11	50.9	46.2	42.9	57.1	5.0	2.1	25.4	26.4	68	84	W 4	SW 2	6	4	0.23	∞ (mist) a. Steady
17	29.13	29.15	51.8	46.8	43.0	57.6	3.9	1.6	28.7	28.1	74	88	WSW 2	W 1	5	10	0.30	∞ (mist) a. Steady
18	29.15	29.17	58.5	44.8	44.4	62.7	4.3	1.5	36.5	26.2	75	88	SW 2	W 2	9	5	0.20	Squally.
19	29.06	29.04	51.1	50.7	40.0	54.6	2.9	1.7	30.2	35.2	80	89	SSE 2	SW 3	9	9	0.30	Cloudy and cool.
20	29.34	29.34	55.3	47.1	46.9	59.9	3.5	0.4	34.2	31.5	78	97	W 1	SE 2	9	10	0.20	Steady
21	29.42	29.40	45.0	47.7	41.4	52.9	0.6	0.8	28.5	31.1	95	94	SE 1	SE 1	10	9	0.50	Steady
22	29.32	29.05	55.9	49.3	45.2	60.3	4.6	1.3	32.2	31.8	72	91	W 2	W 2	6	8	0.26	Steady
23	29.05	29.11	51.8	47.9	46.4	54.6	1.9	0.4	33.5	32.4	87	97	W 2	N 2	10	10	0.30	Steady
24	29.34	29.47	44.7	44.7	41.2	51.6	2.3	2.4	24.4	24.2	83	82	NNE 2	N 2	9	10	0.05	Steady
25	29.55	29.65	46.3	42.7	39.8	50.3	4.4	1.8	21.9	23.5	70	86	NNE 2	NE 1	6	4	0.02	Steady
26	29.77	29.86	48.1	40.0	35.0	56.1	5.6	1.1	21.5	22.5	64	91	N 1	N 1	9	0	—	Steady
27	29.89	29.89	51.8	44.0	34.2	62.1	4.9	1.7	26.6	25.0	69	86	N 1	N 1	0	0	—	Steady
28	29.85	29.80	57.6	48.3	36.0	66.7	7.6	3.4	27.8	25.9	58	77	NNE 1	N 1	0	5	—	Steady
29	29.78	29.76	60.2	42.8	36.2	69.0	7.2	1.1	31.8	25.1	61	91	N 2	N 1	0	0	—	Steady
30	29.74	29.68	62.2	51.5	37.5	71.9	7.2	2.7	34.5	31.1	62	81	ESE 2	SE 1	0	0	—	Steady
Mean	29.421	29.419	50.8	45.8	39.8	57.7	3.8	1.6	28.3	27.3	75.8	87.7	1.7	1.4	6.7	5.6	2.123	

## ST. DAVID'S PEMBROKE.—MAY 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +.018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%	SSW 4	SW 3	10	10	ins.	☁ (mist) a. ☁ from 2 p.
2	29 <sup>78</sup>	29 <sup>72</sup>	49 <sup>5</sup>	48 <sup>8</sup>	46 <sup>0</sup>	52 <sup>4</sup>	0 <sup>4</sup>	0 <sup>0</sup>	343	345	97	100	NW 2	N 2	2	5	—	☁ till 3 a. Bright and sunny.
3	29 <sup>78</sup>	29 <sup>92</sup>	55 <sup>5</sup>	46 <sup>5</sup>	44 <sup>1</sup>	57 <sup>8</sup>	4 <sup>0</sup>	1 <sup>8</sup>	333	274	75	87	ENE 4	SE 1	2	5	—	Sunny day. ☁ p.
4	30 <sup>04</sup>	30 <sup>07</sup>	48 <sup>5</sup>	42 <sup>5</sup>	38 <sup>8</sup>	55 <sup>2</sup>	5 <sup>6</sup>	2 <sup>6</sup>	219	215	64	79	E 3	SE 1	6	0	—	Sunny day. ☁ p. [☁ p.
5	16	16	49 <sup>3</sup>	43 <sup>5</sup>	38 <sup>2</sup>	56 <sup>4</sup>	6 <sup>7</sup>	1 <sup>5</sup>	207	249	59	88	SE 4	SE 1	0	0	—	☁ (mist) a. Fine and sunny.
6	21	15	52 <sup>1</sup>	43 <sup>5</sup>	40 <sup>4</sup>	57 <sup>5</sup>	7 <sup>7</sup>	2 <sup>0</sup>	216	240	56	84	SE 3	NE 2	0	0	—	☁ (mist) a. Sunny day. ☁ p.
7	30 <sup>17</sup>	30 <sup>07</sup>	57 <sup>4</sup>	45 <sup>7</sup>	39 <sup>5</sup>	59 <sup>5</sup>	8 <sup>1</sup>	2 <sup>2</sup>	215	258	55	85	ESE 2	ENE 3	0	0	—	Sunny day.
8	29 <sup>96</sup>	29 <sup>78</sup>	55 <sup>5</sup>	47 <sup>3</sup>	38 <sup>2</sup>	60 <sup>2</sup>	6 <sup>5</sup>	1 <sup>9</sup>	277	280	62	87	NE 3	NE 4	0	1	0.10	Bright and sunny.
9	71	64	49 <sup>7</sup>	46 <sup>7</sup>	41 <sup>2</sup>	56 <sup>4</sup>	2 <sup>1</sup>	0 <sup>7</sup>	308	302	86	95	NE 2	N 1	10	10	0.39	☁ showers 7 a.-9 a. Cloudy day.
10	64	67	53 <sup>5</sup>	49 <sup>5</sup>	45 <sup>5</sup>	59 <sup>2</sup>	2 <sup>1</sup>	1 <sup>2</sup>	351	323	86	91	SE 2	NW 1	6	10	0.38	☁ (mist) 7 a. Cloudy day.
11	69	71	52 <sup>4</sup>	48 <sup>7</sup>	48 <sup>2</sup>	54 <sup>8</sup>	0 <sup>4</sup>	0 <sup>3</sup>	382	336	97	98	N 1	NNW 2	9	10	0.01	☁ a. and p. [from 9 p.
12	71	67	51 <sup>7</sup>	48 <sup>0</sup>	44 <sup>1</sup>	55 <sup>4</sup>	3 <sup>0</sup>	0 <sup>5</sup>	308	322	80	97	NNE 2	N 3	6	5	0.35	Sunny a. ☁ (mist) p.
13	59	43	47 <sup>5</sup>	47 <sup>5</sup>	46 <sup>5</sup>	53 <sup>3</sup>	0 <sup>0</sup>	0 <sup>7</sup>	329	311	100	95	NW 2	SW 1	10	10	0.15	☁ (mist) a. Cloudy p.
14	31	25	52 <sup>3</sup>	45 <sup>2</sup>	44 <sup>8</sup>	56 <sup>2</sup>	2 <sup>8</sup>	1 <sup>2</sup>	320	273	81	91	SSW 3	SW 2	5	2	0.25	Sunny day. ☁ p.
15	17	11	53 <sup>5</sup>	45 <sup>3</sup>	42 <sup>2</sup>	56 <sup>8</sup>	4 <sup>8</sup>	0 <sup>3</sup>	287	295	70	98	SSW 3	SW 2	4	10	0.82	Sunny day. ☁ showers 6 p.
16	35	43	53 <sup>4</sup>	48 <sup>5</sup>	44 <sup>2</sup>	57 <sup>7</sup>	4 <sup>3</sup>	1 <sup>5</sup>	297	303	73	89	WSW 4	SW 6	4	10	0.175	☁ early a. Sunny a. Overcast p.
17	56	59	52 <sup>8</sup>	46 <sup>5</sup>	45 <sup>1</sup>	57 <sup>5</sup>	4 <sup>3</sup>	0 <sup>0</sup>	291	317	73	100	W 5	WSW 3	2	10	0.140	☁ Squally a. ☁ till 10 a. Cloudy.
18	39	59	51 <sup>5</sup>	48 <sup>5</sup>	46 <sup>2</sup>	54 <sup>5</sup>	0 <sup>5</sup>	1 <sup>0</sup>	367	316	96	93	SSE 6	WSW 4	12	3	0.112	☁ Overcast and squally. ☁
19	63	41	50 <sup>2</sup>	49 <sup>7</sup>	48 <sup>4</sup>	53 <sup>2</sup>	0 <sup>4</sup>	0 <sup>0</sup>	354	337	98	100	SE 5	SW 5	10	7	0.628	☁ Cloudy day. [from 3 p.
20	43	67	52 <sup>7</sup>	51 <sup>5</sup>	49 <sup>2</sup>	55 <sup>7</sup>	0 <sup>6</sup>	1 <sup>8</sup>	381	334	96	88	SW 5	W 4	8	10	0.008	☁ (mist) a. ☁ from 1 p. ☁
21	66	66	56 <sup>7</sup>	51 <sup>5</sup>	49 <sup>3</sup>	58 <sup>0</sup>	3 <sup>7</sup>	0 <sup>0</sup>	355	381	77	100	SW 1	SW 4	6	10	0.295	☁ till a. Sunny day. ☁ (mist) p.
22	78	78	53 <sup>1</sup>	51 <sup>6</sup>	50 <sup>9</sup>	57 <sup>4</sup>	0 <sup>4</sup>	0 <sup>7</sup>	393	363	97	95	NNW 4	WSW 4	5	10	0.003	☁ (mist) a. and n. ☁ 1 p.-3 p.
23	54	54	53 <sup>5</sup>	50 <sup>5</sup>	50 <sup>1</sup>	57 <sup>5</sup>	1 <sup>0</sup>	0 <sup>0</sup>	382	368	93	100	SSW 4	SW 4	10	10	0.292	☁ (mist) a. Sunny from 11 a.
24	48	48	51 <sup>9</sup>	49 <sup>6</sup>	49 <sup>5</sup>	61 <sup>0</sup>	1 <sup>4</sup>	0 <sup>3</sup>	349	348	91	98	SW 3	NNW 3	9	4	0.002	☁ (mist) a. Squally a.
25	82	82	50 <sup>5</sup>	46 <sup>0</sup>	45 <sup>2</sup>	54 <sup>7</sup>	2 <sup>7</sup>	1 <sup>0</sup>	299	287	82	93	NNE 4	NE 2	10	4	0.070	☁ Cloudy day. ☁ p.
26	29 <sup>99</sup>	29 <sup>99</sup>	40 <sup>1</sup>	45 <sup>7</sup>	40 <sup>0</sup>	51 <sup>4</sup>	0 <sup>3</sup>	2 <sup>2</sup>	242	228	97	85	E 3	NNE 2	10	1	0.010	Bright and sunny.
27	30 <sup>21</sup>	30 <sup>23</sup>	51 <sup>5</sup>	47 <sup>8</sup>	38 <sup>1</sup>	55 <sup>7</sup>	5 <sup>2</sup>	2 <sup>1</sup>	256	281	68	85	NE 3	NW 2	0	2	0.001	Sunny from 5 a. ☁ p.
28	25	26	56 <sup>0</sup>	48 <sup>3</sup>	42 <sup>3</sup>	59 <sup>8</sup>	4 <sup>7</sup>	1 <sup>7</sup>	324	296	72	88	NNE 3	NW 2	0	2	—	Bright and sunny. Cool wind. [p.
29	17	17	55 <sup>7</sup>	48 <sup>5</sup>	42 <sup>1</sup>	61 <sup>2</sup>	3 <sup>2</sup>	2 <sup>0</sup>	356	292	80	86	NW 2	NW 1	2	1	—	Bright and sunny. ☁ (mist) a. and
30	11	11	60 <sup>5</sup>	47 <sup>5</sup>	43 <sup>3</sup>	65 <sup>2</sup>	6 <sup>0</sup>	3 <sup>2</sup>	352	255	67	78	Calm 0	NW 1	0	1	—	☁ (mist) a. Bright and sunny.
31	30 <sup>02</sup>	30 <sup>02</sup>	61 <sup>3</sup>	50 <sup>5</sup>	46 <sup>1</sup>	65 <sup>0</sup>	5 <sup>2</sup>	2 <sup>0</sup>	383	317	71	87	SE 3	NE 2	0	0	—	
Mean	20 <sup>777</sup>	29 <sup>767</sup>	52 <sup>5</sup>	47 <sup>7</sup>	44 <sup>4</sup>	57 <sup>2</sup>	3 <sup>2</sup>	1 <sup>2</sup>	316	303	80 <sup>2</sup>	91 <sup>5</sup>	3 <sup>1</sup>	2 <sup>5</sup>	5 <sup>0</sup>	5 <sup>3</sup>	2 <sup>082</sup>	



SOUTHAMPTON.—MAY 1899.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long.  $1^{\circ} 24'$  W. Lat.  $50^{\circ} 55'$  N. Gravity Correction, + '016 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.		9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	30°13	29°91	49°2	48°3	45°8	54°6	5°0	1°8	°237	°294	67	88	S	3°5	SW	3	10	100
2	29°83	29°81	58°7	55°7	47°2	67°4	4°5	3°4	°363	°343	73	77	WNW	3	NW	1	5	—
3	29°92	30°07	46°9	45°8	45°8	56°8	2°0	4°4	°274	°216	86	70	NE	3	NE	2	10	1
4	30°17	°24	50°0	44°0	35°2	54°9	6°3	3°0	°221	°224	62	77	ENE	4	SE	1°5	6	0
5	°33	°31	51°5	45°2	33°5	57°4	6°3	2°9	°235	°237	62	79	E	2°5	SSE	1	6	0
6	°33	°29	52°9	48°8	36°5	59°9	7°6	5°5	°227	°224	57	65	ENE	4	ENE	2°5	1	0
7	°25	30°13	55°6	51°8	38°1	64°6	8°7	6°1	°235	°242	54	64	NE	4°5	NE	3°5	0	1
8	30°02	29°86	58°9	52°1	42°4	69°5	7°5	5°9	°297	°249	59	64	NE	4°5	NNE	3	1	1
9	29°80	°80	51°9	48°7	46°3	58°5	3°6	2°0	°296	°296	77	86	N	3	SW	0°1	10	1
10	°82	°82	52°6	52°6	39°3	62°2	4°5	2°8	°339	°323	73	81	ESE	1	SSE	0°5	3	0
11	°84	°85	54°8	51°4	41°2	61°5	3°6	1°5	°332	°341	77	90	NE	2°5	SW	2°5	4	0
12	°85	°83	52°3	50°2	48°5	62°6	1°7	1°5	°347	°325	88	90	SSE	3	SW	2	10	2
13	°76	°67	56°8	52°6	47°0	62°2	3°9	1°7	°353	°350	76	88	SW	2	SSW	3	9	10
14	°53	°43	53°3	49°9	49°1	60°3	2°6	0°9	°336	°335	82	94	SSW	2	SW	1	10	10
15	°34	°40	53°3	51°0	47°9	60°1	2°6	2°5	°336	°311	82	83	WSW	2	SW	4	10	10
16	°57	°77	57°9	51°1	47°1	58°8	6°8	2°1	°299	°322	82	85	W	4°5	SW	4	8	10
17	°79	°88	53°9	52°4	50°3	60°4	5°0	1°3	°288	°358	69	91	WSW	4	SSW	3	10	10
18	°81	°84	59°6	52°1	51°1	66°2	5°7	2°0	°347	°337	69	86	SW	3°5	SW	4	10	5
19	°66	°72	56°3	55°7	47°1	61°7	4°4	1°0	°334	°416	73	94	SW	3°5	SW	6	10	10
20	°66	°83	57°9	54°5	53°3	61°9	2°2	2°8	°414	°347	86	81	WSW	4	W	3	10	8
21	°88	°87	61°3	55°9	49°9	64°4	4°9	0°3	°391	°438	72	98	WNW	2	SW	1	5	10
22	°92	°97	59°9	52°8	52°8	66°2	3°0	2°8	°422	°325	82	81	WSW	2	WNW	1	10	7
23	°93	°80	58°0	52°8	47°4	63°4	3°5	1°4	°380	°361	79	90	WSW	2	SW	2°5	9	5
24	°61	°55	54°0	50°4	50°0	60°4	1°9	0°7	°363	°349	87	95	SW	2	SW	0°1	10	10
25	29°79	29°97	50°6	48°8	48°3	54°8	1°9	3°0	°321	°275	87	80	NNE	4	NE	1°5	10	10
26	30°04	30°11	49°1	47°3	39°3	55°6	4°7	3°7	°242	°239	69	75	NE	2°5	NE	2	10	10
27	°23	°31	51°0	47°6	38°1	57°2	6°4	3°8	°229	°244	61	74	NNE	4	NE	1	7	4
28	°40	°38	55°0	50°5	37°7	63°5	7°3	4°8	°254	°254	59	69	NE	3	NE	1	0	0
29	°36	°32	56°8	50°1	39°1	67°9	7°3	2°6	°276	°297	61	82	NE	1	SW	1	0	0
30	°33	°28	60°8	51°8	39°9	66°4	7°5	1°9	°320	°336	60	87	SW	1°5	SW	0°5	0	0
31	30°29	30°20	62°9	57°9	41°2	68°0	7°7	4°9	°343	°343	60	71	SW	3	SE	1	1	0
Mean	29°951	29°942	55°1	51°0	44°4	61°8	4°9	2°8	°311	°308	71°3	81°8	2°9	2°1	6°6	4°8	1°180	

PLYMOUTH.—MAY 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar, 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	30°03	29°90	50°3	50°5	41°6	53°7	1°0	0°5	339	354	93	96	S	SW	10	3	—	Overcast day.
2	29°81	'82	54°6	50°9	48°7	61°3	1°8	1°9	375	324	89	87	N	N	9	3	—	Fine all day.
3	29°82	29°97	53°2	47°2	42°6	53°4	2°7	0°6	333	310	82	96	ENE	E	4	4	—	Fine all day.
4	30°08	30°14	45°6	40°6	39°7	50°8	3°5	1°3	230	245	76	80	ENE	E	5	0	—	Beautifully fine and sunny.
5	'22	'23	48°1	44°6	40°4	51°6	2°4	2°1	277	248	83	84	E	NE	8	0	—	Fine day.
6	'25	'23	51°2	49°1	40°8	54°7	5°8	3°0	242	277	64	79	E	E	0	0	—	Beautifully fine and sunny.
7	'21	30°13	52°6	54°2	40°6	60°3	5°0	0°2	274	445	69	99	NE	NNE	0	0	—	Beautifully fine and sunny.
8	30°00	29°86	59°2	54°6	46°2	60°9	6°4	2°8	324	350	64	82	NE	N	0	2	—	Beautifully fine and very warm.
9	29°78	'75	54°6	49°4	45°7	55°1	3°0	0°1	345	350	81	99	SE	SSW	9	8	'04	Overcast and gloomy.
10	'75	'77	54°6	51°1	45°8	56°7	3°5	2°4	332	315	78	83	SSW	WNW	5	8	—	Fine and bright, Cloudy p.
11	'77	'79	54°6	50°4	48°1	56°7	2°3	0°1	361	364	85	99	N	N	10	3	'01	Overcast day.
12	'81	'78	50°6	50°3	46°7	56°7	0°3	0°5	361	353	98	97	W	N	10	10	'12	Steady a. Clearing at noon.
13	'72	'62	50°9	49°8	46°1	52°3	1°1	0°1	346	356	93	99	SW	S	10	10	'075	Overcast day. n.
14	'48	'40	53°6	49°8	45°2	54°2	2°1	0°8	353	337	86	94	S	SW	6	5	—	Fine day.
15	'31	'33	53°1	49°6	43°3	54°1	2°3	0°8	341	335	84	95	SSW	SW	6	8	'095	Fine day.
16	'53	'64	52°2	51°3	46°6	54°9	1°1	0°0	361	378	93	100	SW	S	8	10	'48	2 showers p.
17	'76	'78	54°6	52°9	47°6	55°4	1°8	0°1	375	398	89	100	SW	S	6	9	'05	2 showers mid-day. Stormy n.
18	'65	'80	54°6	50°9	50°9	55°1	1°8	0°3	375	365	89	98	SSE	SW	9	7	'005	Bright a., then overcast.
19	'82	'65	52°8	53°4	48°6	53°7	0°0	0°0	400	409	100	100	S	SW	10	10	'61	Fine day.
20	'67	'84	53°9	51°8	51°8	58°1	0°6	1°8	399	338	96	87	SW	NW	10	5	'075	Overcast, with showers.
21	'83	'85	53°1	53°8	50°5	54°2	0°1	0°0	401	445	99	100	S	WSW	10	10	'075	Overcast day.
22	'93	'96	56°0	52°7	52°5	61°9	2°0	0°1	391	395	87	99	SW	WSW	9	9	—	Overcast, with steady all day.
23	'87	'75	55°1	51°8	51°5	56°6	1°3	0°2	396	380	91	98	SW	SW	8	7	'12	Fine day.
24	'54	'55	51°9	50°1	49°7	54°5	0°1	0°5	383	349	100	96	SW	N	10	5	'15	Dull a. Fine p.
25	'78	29°89	51°4	48°8	47°4	52°7	2°1	0°4	326	335	86	97	NE	E	10	10	'32	Overcast day. p.
26	29°95	30°04	48°3	18°3	45°7	50°1	2°9	3°4	270	259	80	76	E	N	10	10	—	Overcast day. p.
27	30°21	'29	51°1	48°8	41°4	54°7	6°2	1°9	233	300	63	86	N	N	7	3	'04	Fine day. Very warm.
28	'34	'3	54°5	49°3	41°6	56°9	4°5	3°1	306	277	72	78	N	NW	1	0	—	Beautifully fine and sunny.
29	'29	'28	58°3	50°2	46°9	58°3	5°0	0°4	346	354	71	98	SW	Calm	0	0	—	Beautifully fine and sunny.
30	'26	'24	60°6	49°2	41°6	60°6	7°3	0°4	322	340	61	98	ESE	NNE	3	0	—	Beautifully fine and sunny.
31	30°18	30°12	58°6	55°4	41°6	61°7	8°3	3°9	276	334	56	76	E	ENE	1	2	—	Beautifully fine and sunny.
Mean	29°892	29°895	53°3	50°4	45°7	56°0	2°8	1°1	335	341	82·5	92·4	—	—	6·6	5·2	2·265	

ARMAGH.—MAY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain. 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.		
1	29.65	29.64	53.9	48.9	41.8	61.0	0.7	1.0	.395	.322	95	93	SSW 4	WSW 2	10	10	.015	Overcast all day.	
2	.71	29.80	51.6	45.0	45.0	53.2	2.2	1.0	.325	.275	85	92	N 1	NNE 1	10	10	.014		
3	29.92	30.02	45.7	41.7	37.2	52.5	2.7	3.1	.247	.203	81	77	NE 3	E 1	8	0	—		
4	30.11	.13	46.0	41.0	36.0	52.7	4.7	2.3	.212	.210	69	82	ENE 1	E 1	4	2	—		
5	.18	.23	51.0	41.7	37.8	53.6	4.5	3.2	.266	.201	71	77	SE 2	ESE 1	3	0	—		
6	.26	.24	51.9	44.0	33.0	58.0	3.9	3.0	.289	.224	75	77	ESE 2	SSE 1	0	0	—	Fine day.	
7	.21	30.13	52.8	46.5	33.3	58.2	4.1	3.8	.295	.232	74	74	ESE 1	SE 0.5	0	0	—	Fine day.	
8	30.04	29.88	54.6	50.3	33.0	61.0	4.0	2.6	.319	.299	76	82	ENE 1	ENE 0.5	0	0	—	Fine day.	
9	29.80	.72	52.0	48.7	37.5	61.0	2.4	1.7	.325	.300	84	88	NNE 1	N 1	10	10	—	Overcast all day.	
10	.71	.71	50.6	49.6	47.0	59.0	1.4	2.0	.332	.305	90	86	NE 1	NNE 1	10	2	.003		
11	.76	.79	50.1	44.0	42.7	59.6	0.2	1.0	.357	.265	98	92	N 1	NE 3	10	10	.258	Overcast, with ☉.	
12	.80	.73	48.8	49.9	44.0	56.8	1.0	1.3	.321	.326	93	91	NNE 2	NNE 2	10	10	.030		
13	.56	.37	47.0	44.8	44.7	49.9	0.3	0.0	.316	.297	98	100	NNE 1	NE 1	10	10	.340	Overcast, with ☉.	
14	.25	.21	49.2	46.5	43.0	56.2	4.0	2.5	.257	.259	73	82	SSW 2	SSE 2	10	8	.015		
15	.14	.11	48.8	41.8	41.6	50.0	3.1	0.3	.272	.258	79	98	S 0.5	S 0.5	9	4	.508	T 2p.-5p. < 5p.	
16	.20	.27	51.0	44.8	39.0	56.4	4.8	2.0	.259	.252	69	85	SW 4	SSW 4	7	4	.145		
17	.34	.49	49.9	48.7	39.2	56.0	3.1	3.7	.284	.257	80	75	SW 3	SW 1	10	7	.758	Cloudy, with ☉ showers.	
18	.20	.55	45.0	45.8	42.0	52.0	4.5	2.6	.206	.250	69	81	N 1	WSW 1	10	7	.205	Cloudy, with ☉.	
19	.53	.25	47.9	52.0	42.3	57.2	1.4	1.1	.299	.358	91	92	SE 2	SSW 2	10	10	.610	Overcast, with ☉.	
20	.31	.62	57.8	50.6	50.1	62.0	4.0	1.6	.365	.327	77	89	SW 1	Caln 0	9	10	—		
21	.71	.71	47.0	46.5	46.2	52.7	2.8	1.0	.257	.293	80	93	ENE 3	ENE 2	10	10	.270	Overcast, with ☉.	
22	.75	.71	43.8	45.7	42.5	51.5	0.9	0.9	.279	.287	98	94	E 2	ESE 0.5	10	8	.092	Cloudy, with ☉ showers.	
23	.56	.40	52.6	50.0	43.7	59.0	1.9	1.1	.345	.332	87	92	ESE 1	ESE 1	10	10	.387	K 4p.-5p.	
24	.39	.66	49.7	44.5	44.0	52.5	1.0	1.0	.331	.271	93	92	NNE 3	NNE 1	10	10	.142	Overcast, with ☉ showers.	
25	.82	29.90	48.9	43.1	41.5	53.0	2.8	2.3	.279	.229	81	82	NE 0.5	NE 1	9	2	—		
26	29.97	30.05	50.6	44.7	33.0	53.0	6.8	4.0	.218	.212	60	71	ENE 1	S 1	7	2	—		
27	30.17	.25	54.4	49.2	35.2	61.1	6.3	2.7	.266	.285	63	82	SW 0.5	Caln 0	1	8	—		
28	.29	.25	58.0	52.9	37.0	64.0	6.7	5.9	.303	.258	63	64	NNE 0.5	S 2	1	3	—		
29	.21	.14	58.7	54.7	43.2	64.4	6.7	5.0	.311	.297	62	70	SW 0.5	S 1	3	2	—		
30	.09	30.06	57.8	54.9	45.6	64.9	7.9	5.1	.275	.299	58	69	SW 3	Caln 0	1	7	—		
31	30.06	29.99	60.9	55.0	46.5	67.4	8.8	7.4	.292	.252	54	58	S 3	SSE 2	0	0	—	Fine day.	
Mean	29.764	29.774	51.2	47.3	40.9	57.3	3.5	2.5	.293	.272	78.3	83.2		1.7	1.2	6.8	5.7	3.792	

MARKREE CASTLE—MAY 1899.

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

1	29° 71	29° 73	55° 7	49° 0	46° 3	59° 2	3° 3	1° 3	353	315	79	91	W	1	SW	2	7	10	° 04	Overcast day.
2	° 77	29° 85	50° 3	44° 3	43° 9	53° 7	2° 5	1° 7	301	254	83	87	N	1	NNE	1	10	8	—	ppp <sup>a</sup> . Beautiful day.
3	29° 36	30° 05	50° 6	42° 7	37° 3	56° 8	4° 8	3° 2	256	209	70	77	ESE	1	SE	1	4	1	—	ppp <sup>a</sup> . Very fine day.
4	30° 13	° 16	49° 8	40° 7	33° 7	54° 6	5° 6	2° 9	232	197	65	78	SE	2	ESE	0° 5	5	0	—	ppp <sup>a</sup> . Fine day.
5	° 20	° 25	50° 8	48° 2	32° 2	56° 3	4° 0	4° 5	274	236	74	70	SE	1	SSE	2	2	10	—	ppp <sup>a</sup> . Fine, warm, and sunny.
6	° 29	° 26	53° 3	46° 8	32° 6	60° 8	5° 4	4° 5	272	222	67	70	S	0° 5	SE	2	0	1	—	ppp <sup>a</sup> . Very fine day.
7	° 23	30° 15	52° 2	48° 7	30° 6	61° 0	4° 2	3° 7	285	257	73	75	SE	2	SE	3	2	1	—	ppp <sup>a</sup> . Very fine day.
8	30° 06	30° 94	54° 0	46° 9	32° 2	63° 3	4° 8	2° 7	292	258	70	81	SE	1	SE	1	0	0	—	ppp <sup>a</sup> . Very fine day.
9	29° 36	° 82	57° 7	49° 5	35° 1	62° 7	8° 1	2° 1	279	302	56	86	NE	0° 5	NNE	1	6	10	° 07	Dull day.
10	° 77	° 78	52° 8	46° 4	45° 5	55° 8	3° 1	0° 5	310	304	79	96	E	0° 5	Calm	0	10	0	—	ppp <sup>a</sup> . Early a.
11	° 81	° 85	55° 2	50° 0	38° 5	59° 7	3° 4	0° 5	342	348	79	97	N	1	Calm	0	7	10	° 26	ppp <sup>a</sup> . Early a.
12	° 84	° 81	50° 7	47° 7	47° 0	53° 2	1° 3	2° 7	337	267	91	81	Calm	0	NNE	1	10	9	° 06	ppp <sup>a</sup> . Early a.
13	° 63	° 44	49° 5	43° 8	43° 1	50° 7	3° 3	0° 8	274	267	77	94	NNE	1	Calm	0	10	9	° 13	ppp <sup>a</sup> . Early a.
14	° 30	° 26	50° 9	44° 4	48° 0	53° 3	4° 1	1° 4	273	260	74	89	N	1	SE	0° 5	8	7	° 28	ppp <sup>a</sup> . Early a.
15	° 20	° 19	54° 3	46° 0	33° 0	57° 6	5° 9	1° 8	273	269	65	87	S	0° 5	SE	0° 5	7	9	° 06	ppp <sup>a</sup> . Early a.
16	° 25	° 33	53° 4	44° 3	36° 1	56° 9	5° 7	1° 9	267	249	66	85	S	1	S	1	5	2	° 08	ppp <sup>a</sup> . Early a.
17	° 43	° 53	51° 7	46° 3	41° 3	56° 3	4° 1	2° 5	283	258	74	83	SSW	2	S	0° 5	10	9	° 46	ppp <sup>a</sup> . Early a.
18	° 34	° 60	43° 2	45° 0	40° 9	53° 3	1° 2	2° 0	253	253	90	85	W	0° 5	S	1	10	2	° 07	ppp <sup>a</sup> . Early a.
19	° 47	° 30	47° 8	53° 0	37° 7	61° 9	1° 0	1° 3	308	366	93	91	SE	3	SE	2	10	10	° 14	ppp <sup>a</sup> . Early a.
20	° 41	° 69	52° 8	50° 7	49° 6	55° 3	1° 4	1° 7	361	326	90	88	NW	2	Calm	0	10	10	° 10	ppp <sup>a</sup> . Early a.
21	° 69	° 72	52° 8	48° 6	43° 7	57° 3	3° 1	0° 8	319	323	79	95	SSE	2	ESE	2	9	10	° 16	ppp <sup>a</sup> . Early a.
22	° 76	° 74	48° 9	50° 8	45° 2	59° 1	1° 3	1° 1	345	344	91	92	SE	2	Calm	0	10	10	° 10	ppp <sup>a</sup> . Early a.
23	° 56	° 40	57° 9	49° 8	47° 2	59° 3	4° 9	0° 8	343	337	71	94	S	3	SE	3	7	10	° 61	ppp <sup>a</sup> . Early a.
24	° 46	° 74	50° 7	47° 8	47° 3	57° 2	1° 1	3° 0	342	263	92	80	NE	1	NNE	2	10	6	° 04	ppp <sup>a</sup> . Early a.
25	29° 86	29° 95	51° 5	44° 7	38° 4	55° 6	4° 5	1° 1	271	271	71	92	ESE	0° 5	S	1	8	9	° 01	ppp <sup>a</sup> . Early a.
26	30° 02	30° 11	54° 5	47° 0	33° 5	58° 3	7° 6	2° 3	242	268	57	84	E	0° 5	Calm	0	6	3	—	ppp <sup>a</sup> . Early a.
27	° 23	° 32	56° 6	46° 5	34° 8	58° 7	5° 8	1° 2	306	288	67	91	Calm	0	Calm	0	9	0	—	ppp <sup>a</sup> . Early a.
28	° 33	° 30	58° 7	50° 8	32° 5	63° 8	6° 2	1° 7	323	328	65	88	SE	1	NNE	1	5	4	—	ppp <sup>a</sup> . Early a.
29	° 25	° 20	59° 3	50° 0	38° 7	63° 9	8° 4	2° 9	283	288	56	81	SSE	2	SSW	1	3	8	—	ppp <sup>a</sup> . Early a.
30	° 14	° 11	60° 8	49° 5	42° 9	66° 1	6° 4	2° 1	346	302	65	86	SSW	3	W	0° 5	7	3	—	ppp <sup>a</sup> . Early a.
31	30° 09	30° 01	58° 7	55° 0	38° 7	68° 3	6° 1	4° 7	325	309	65	72	S	2	SE	2	1	1	—	ppp <sup>a</sup> . Early a.
Mean	29° 807	29° 825	53° 1	47° 6	39° 4	58° 4	4° 3	2° 1	298	282	74° 0	85° 4	1° 3	1° 0	6° 7	5° 9	2° 57			



## DUBLIN (PHOENIX PARK).—MAY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
								Dep.of Wet.		Vapour Tension.		Percentage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.							in.	in.	%	%					ins.	
2	29.80	29.73	54.4	50.7	43.3	62.2	2.2	3.4	.362	.286	85	78	SW 2	W 1	9	8	.005	Cloudy day.
3	.78	29.85	51.0	47.0	46.5	53.5	3.5	2.1	.288	.273	77	85	Calm	Calm	9	8	—	
4	29.96	30.07	48.4	38.0	37.7	50.6	4.5	0.9	.238	.210	70	92	ENE 2	Calm	0	7	—	Beautiful day.
5	30.14	.19	45.6	35.5	34.2	48.7	5.5	0.6	.195	.197	64	95	E 1	Calm	0	7	—	Beautiful day from 10a.
6	.24	.30	50.1	39.2	31.8	52.6	5.0	1.0	.246	.220	68	92	SE 1	Calm	0	4	—	Beautiful day.
7	.32	.30	50.7	39.1	31.1	53.8	4.1	1.9	.271	.202	74	85	E 1	Calm	0	1	—	Beautiful day.
8	.27	30.20	50.6	39.8	32.1	53.8	4.4	1.1	.263	.223	71	92	E 1	Calm	0	0	—	Beautiful day.
9	30.08	29.92	51.2	41.7	32.2	55.9	4.5	2.2	.268	.219	71	84	E 1	Calm	0	0	.005	Beautiful day.
10	29.85	.76	49.7	48.7	35.0	53.8	3.5	1.2	.272	.314	76	92	NE 1	NE 1	8	9	.195	9a. Cloudy day. 9p.
11	.76	.79	48.6	42.4	42.1	55.5	1.3	0.4	.310	.262	91	97	NE 1	Calm	9	0	—	Dull a. Cloudy p. 9p.
12	.81	.83	49.5	47.3	34.8	57.8	0.3	1.6	.347	.287	97	89	Calm	Calm	0	7	.060	9a. Dull day. 5p.-8p.
13	.82	.81	47.3	45.2	44.1	49.1	0.7	0.3	.309	.295	95	98	NE 1	Calm	0	10	.055	9a. Dull day. 9p. from 9p.
14	.66	.46	47.6	44.4	44.0	50.2	1.7	0.7	.289	.276	88	95	Calm	Calm	0	10	.210	9a. Dull day.
15	.35	.29	48.9	44.1	39.6	55.1	4.6	1.5	.242	.256	70	88	Calm	Calm	0	8	.4	9a. and p. Dull day.
16	.21	.20	53.3	45.2	33.8	55.1	6.0	1.9	.260	.258	64	86	Calm	Calm	0	5	.055	Cloudy day. 9p.
17	.33	.42	51.3	43.5	40.9	56.3	4.8	2.0	.263	.240	70	84	WSW 1	Calm	0	6	.4	Cloudy day. 6p.
18	.49	.60	52.2	49.1	42.4	58.0	6.5	3.5	.239	.267	62	76	W 3	SW 2	7	10	.045	Bright a. 9a. showers p. U
19	.31	.66	56.0	49.7	44.0	59.1	3.1	3.2	.363	.279	80	79	SSW 4	Calm	0	8	.210	Cloudy day.
20	.59	.38	47.3	53.2	43.7	59.4	1.7	0.7	.285	.386	88	96	SE 1	SW 1	10	10	.210	a. Cloudy day.
21	.41	.71	53.2	51.3	51.0	59.3	1.8	2.4	.355	.318	88	83	WSW 1	Calm	9	9	.005	showers a. Cloudy day.
22	.76	.74	51.7	49.2	47.7	53.3	2.5	0.9	.319	.327	83	94	E 1	Calm	0	7	.10	Dull day.
23	.79	.80	49.0	47.1	46.2	57.4	0.8	0.7	.327	.307	94	95	Calm	Calm	0	10	.260	Dull and cloudy.
24	.64	.50	52.2	51.8	43.4	61.8	1.9	1.3	.340	.351	87	91	Calm	SW 1	8	9	.135	Dull and cloudy.
25	.43	.69	50.0	47.4	46.8	56.4	1.4	0.8	.324	.308	90	94	Calm	NNE 2	8	9	.095	Cloudy day. T 6.30p.
26	29.87	29.96	48.6	38.7	38.5	51.3	4.4	0.8	.242	.220	70	94	NE 2	Calm	0	7	.260	Dull and cloudy. 9p.
27	30.02	30.14	47.5	37.9	33.9	51.8	6.4	1.4	.195	.201	60	89	Calm	Calm	0	7	2	—
28	.25	.33	51.6	45.6	31.2	59.8	6.8	1.7	.227	.268	60	87	Calm	Calm	0	2	2	—
29	.36	.35	57.8	45.6	35.0	59.6	9.0	1.8	.254	.266	53	87	Calm	Calm	0	2	2	—
30	.29	.24	60.3	53.5	38.6	63.5	9.3	5.7	.275	.268	53	65	Calm	Calm	0	2	2	—
31	.20	.16	57.4	54.9	43.9	67.1	8.1	6.3	.266	.274	56	63	SW 1	Calm	0	2	2	—
32	30.15	30.10	62.5	48.0	39.8	68.2	9.9	1.5	.288	.297	50	90	Calm	Calm	0	2	—	Beautiful day.
Mean	29.836	29.853	51.5	45.6	39.7	56.5	4.2	1.8	.281	.270	74.4	87.6	0.8	0.3	6.1	4.9	2.140	

## PARSONSTOWN.—MAY 1899.

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

1	29.77	29.78	54.7	50.2	40.8	59.5	1.8	2.4	377	302	88	84	SW 1	SW 1	10	10	Cloudy day.
2	29.76	29.78	50.2	48.5	47.1	54.0	2.2	1.8	307	297	85	87	W 1	W 1	10	9	Cloudy day.
3	29.89	29.94	51.0	48.7	40.8	55.6	5.1	7.8	253	184	68	55	E 1	E 1	4	2	Fine day.
4	30.08	30.11	50.0	43.0	34.8	56.6	4.6	4.0	253	197	70	71	SE 1	SE 1	4	0	∞ a. and p. Fine and bright.
5	29.17	29.21	52.7	43.7	31.8	55.2	5.7	3.3	260	216	65	75	SE 1	SE 1	8	0	∞ a. and p. Fine and bright.
6	29.25	29.23	54.5	46.7	30.8	61.0	6.6	3.8	261	234	62	74	SE 1	E 1	0	0	∞ a. and p. Fine and bright.
7	29.21	29.13	53.6	47.3	31.7	61.8	5.6	3.4	271	248	66	76	SE 1	E 1	0	0	∞ a. and p. Fine and bright.
8	30.03	29.89	56.8	51.6	32.8	65.3	8.3	5.6	256	250	56	66	SE 1	E 1	0	0	∞ a. and p. Fine and bright.
9	29.86	29.78	53.7	50.7	34.9	58.7	7.9	2.7	229	302	55	82	NE 1	NW 1	2	10	Cloudy.
10	29.71	29.78	50.7	49.6	47.0	57.0	1.7	1.7	326	313	88	88	SE 1	SE 1	10	10	Cloudy.
11	29.79	29.80	50.2	51.7	36.7	61.0	1.2	1.7	332	339	92	88	NW 1	NW 1	10	10	Cloudy.
12	29.81	29.77	47.6	48.7	45.0	52.0	1.7	1.0	289	319	88	93	NW 1	NW 1	10	10	Cloudy.
13	29.68	29.49	49.5	44.0	43.4	51.8	2.3	1.0	297	265	84	92	NW 1	S 1	10	9	Overcast.
14	29.33	29.26	47.7	44.7	40.9	55.9	2.8	1.5	266	262	81	89	S 1	S 1	10	8	Overcast.
15	29.18	29.18	52.8	44.7	37.1	56.9	5.8	1.7	259	257	65	87	SE 1	SE 1	7	4	Cloudy day.
16	29.30	29.38	50.8	46.7	36.8	54.5	3.9	2.8	276	255	74	81	SW 1	W 1	8	2	Fine day.
17	29.50	29.55	52.0	48.7	41.8	56.7	5.6	1.8	254	301	66	87	W 2	SW 1	8	10	∞ a. Squally.
18	29.26	29.63	46.7	46.5	42.8	54.7	0.7	2.6	302	257	95	82	NW 1	SW 1	10	1	∞ a. Fine p.
19	29.42	29.34	49.7	53.6	43.0	60.7	0.9	1.9	334	358	94	87	SE 1	S 1	10	10	∞ a. Overcast day.
20	29.39	29.69	53.7	51.9	50.1	58.6	1.9	2.5	360	321	88	84	W 1	SW 1	10	10	∞ a. Cloudy day.
21	29.69	29.57	55.7	53.0	44.6	55.7	4.0	0.6	336	386	75	96	SE 1	SE 1	9	10	Dull and overcast.
22	29.75	29.73	55.0	51.7	51.6	63.9	4.1	1.6	323	342	75	96	SW 1	SE 1	8	10	∞ a.
23	29.58	29.41	57.7	51.0	47.7	62.5	4.7	1.1	345	346	72	92	SW 1	SW 1	7	10	∞ a.
24	29.38	29.66	55.7	49.0	47.6	57.0	4.3	2.1	339	296	73	85	SE 1	N 1	9	10	∞ a.
25	29.83	29.90	49.5	47.9	44.7	55.2	5.1	3.9	238	244	67	74	N 1	E 1	7	9	∞ a.
26	29.98	30.07	51.8	45.3	37.6	51.8	6.4	3.2	237	233	62	77	E 1	E 1	6	0	Fine day.
27	30.23	30.27	52.7	50.7	33.7	61.2	8.7	3.8	205	277	52	75	NE 1	NE 1	1	0	∞ a. and p. Fine day.
28	30.32	30.29	59.7	53.5	36.9	64.8	8.8	3.8	279	309	55	75	S 1	SE 1	3	2	∞ a. and p. Fine and bright.
29	30.26	30.22	58.2	52.0	42.3	59.7	7.4	4.1	290	285	59	74	S 1	SE 1	3	4	∞ a. and p. Fine and bright.
30	30.16	30.12	59.5	53.7	44.4	67.3	8.6	4.8	281	290	55	70	SW 1	S 1	3	4	∞ a. and p. Fine and bright.
31	30.09	30.02	60.2	53.7	43.0	68.5	6.3	4.0	340	307	65	74	SE 1	S 1	0	3	∞ a. and p. Fine and bright.
Mean	29.795	29.808	53.0	49.1	40.8	58.6	4.7	2.8	289	284	72.3	80.9	1.0	1.0	6.4	5.7	3.359

## DEERNESS.—JUNE 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	53.2	49.0	44.3	55.8	3.2	0.9	320	325	79	94	SE 4	ESE 4	0	0	ins.	Very fine.
2	29.71	29.88	49.8	49.7	47.5	56.0	0.8	0.2	337	352	94	99	ESE 3	WNW 6	10	10	0.05	☉ <sup>2</sup> 9a.-4p.
3	.87	.77	52.8	49.7	45.8	56.8	3.5	1.0	308	331	77	93	WSW 2	SSE 2	4	9	.06	Fine a. ☉ 4p.-7p.
4	.91	.87	53.5	53.0	45.5	56.0	4.2	1.0	301	374	73	93	WbyS 3	SW 2	8	9	.03	Clouds inky blue.
5	.86	29.92	54.1	52.0	50.7	55.8	1.5	0.2	376	383	90	99	WSW 7	WbyS 5	10	10	.22	☉ all day.
6	29.93	30.11	52.0	47.4	47.0	53.0	0.2	0.0	383	327	99	100	W 8	E 2	10	10	.125	☉ till 3p. ☼
7	30.25	.33	50.5	45.7	45.7	52.0	3.5	1.7	281	268	77	88	E 3	ENE 1	2	2	—	Very fine. Cir. in bands p.
8	.34	.29	51.6	51.0	42.2	56.0	3.6	1.0	292	348	76	93	N 1	NWbyN 2	2	10	—	Very fine.
9	.25	.19	51.2	49.1	48.5	51.8	1.4	0.1	340	347	91	99	NWbyN 4	NW 4	10	10	—	Very fine.
10	.10	.03	50.5	51.2	47.3	56.8	0.5	0.2	355	371	97	99	WNW 5	WNW 4	10	10	—	☼ till 10a. and from 8p.
11	30.05	30.07	52.2	50.8	45.0	57.0	2.8	1.8	318	325	81	87	NW 4	WNW 3	4	6	—	Cold and dry.
12	29.91	29.99	55.0	47.0	46.5	56.6	1.3	2.8	395	257	91	80	WNW 6	N 4	7	7	—	Cold and dry.
13	30.04	.96	48.6	46.2	44.0	52.3	3.6	1.2	258	285	75	92	N 1	SSE 1	7	0	—	☉ Very fine.
14	29.92	.90	56.0	51.2	45.0	60.0	3.0	1.9	365	328	81	87	SSE 2	SbyE 1	1	2	—	☉ Very fine.
15	.89	.87	60.0	57.2	49.8	66.0	4.6	3.7	379	362	73	77	E by S 1	ESE 2	1	8	—	☉ Very fine.
16	.93	.91	59.2	54.0	50.8	61.0	4.2	2.0	378	360	75	86	WbyN 4	NWbyN 1	9	10	—	☉ Very fine.
17	.78	.71	51.0	50.2	48.0	56.6	1.0	0.2	348	355	93	99	SSE 4	E 2	10	10	.14	☼ till 10a. and from 7p.
18	.56	.42	51.0	51.0	49.2	52.6	0.2	0.0	369	374	99	100	E 2	SE 4	10	10	.07	☉ showers 2a. ☼ <sup>2</sup> all day.
19	.34	.39	51.7	51.0	49.8	53.5	0.0	0.8	384	353	100	94	SE 4	SSE 1	10	7	.105	☉ ☼ till 2p.
20	.43	.48	52.0	51.6	49.1	53.8	0.9	0.6	364	366	94	96	E 1	E 4	10	9	—	☼ all day.
21	.53	.64	53.1	53.7	50.8	55.8	0.3	1.3	396	376	98	91	ESE 4	ESE 5	10	10	.10	Dull day.
22	.71	.75	57.0	52.0	51.0	58.3	2.9	0.9	380	364	82	94	SE 5	SE 2	2	4	—	☉ 8p.
23	.73	.74	51.8	53.4	49.5	59.9	0.6	1.4	369	368	95	90	SE 3	SSE 1	10	8	.25	☼ till 10a., then fine.
24	.77	.85	53.5	51.4	50.7	56.8	1.5	2.2	367	323	90	85	NW 5	NW 3	8	0	—	☼
25	.82	29.75	56.1	51.5	47.0	59.0	4.3	0.5	334	368	74	97	NW 3	S 2	4	10	—	☼
26	29.80	30.02	54.8	51.0	50.2	58.8	5.5	2.0	289	293	68	86	NW 6	WNW 3	8	0	—	Fine and dry.
27	30.11	30.02	58.3	53.0	50.5	59.8	4.5	4.1	358	297	74	74	SSW 1	SE 5	8	7	—	Fine day.
28	29.85	29.66	52.6	52.2	51.3	54.8	0.6	1.2	380	358	96	92	SE 5	SE 5	10	10	—	☼
29	.53	.59	51.9	52.3	50.0	53.8	0.7	0.6	367	376	95	96	SE by S 5	WbyN 1	10	9	.57	☉ 9a.-6p.
30	29.62	29.51	56.0	50.8	46.2	58.0	2.1	1.8	360	325	80	87	S 1	ESE 2	1	0	—	Very fine.
Mean	29.851	29.845	53.4	51.0	47.9	56.5	2.3	1.2	348	342	85.6	91.6	3.6	2.8	6.9	6.8	2.155	



## BRAEMAR.—JUNE 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							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.	63.4	56.4	33.3	68.3	10.7	5.9	28.4	30.1	49	66	S	1	SW	0.5	7	7	ins.
2	28.98	28.87	54.9	47.4	43.0	58.8	4.0	3.5	32.5	24.7	75	76	SW	0.5	NW	0.5	6	4	0.05
3	28.88	28.84	54.2	52.6	37.1	58.2	6.4	3.1	26.2	31.6	62	79	SW	2	SW	0.5	5	7	—
4	28.96	28.96	57.9	55.3	50.2	63.8	5.2	2.8	33.6	35.9	70	82	SW	0.5	SW	0.5	5	5	—
5	28.96	29.01	59.1	53.6	52.3	65.0	5.5	3.1	34.3	32.8	69	79	SW	4	SW	2	7	7	—
6	29.02	29.09	57.9	58.8	50.2	66.4	5.4	3.9	33.1	38.0	69	77	SW	2	NW	0.5	7	7	—
7	28.98	28.94	58.6	50.8	49.0	60.0	3.8	1.3	38.0	33.9	77	91	E	0.5	NE	0.5	8	10	0.01
8	28.96	28.95	59.2	55.3	47.0	67.9	7.0	5.0	31.0	30.7	61	70	E	0.5	E	0.5	1	1	—
9	28.91	28.97	61.8	59.6	38.0	71.2	7.6	4.1	33.0	38.7	60	76	E	0.5	N	0.5	1	0	—
10	28.97	28.97	68.8	63.7	43.2	75.7	12.5	5.9	31.8	40.1	45	68	NE	1	NE	0.5	5	7	—
11	29.04	29.07	61.6	58.5	56.2	73.8	5.8	5.5	37.1	31.3	63	63	N	1	E	0.5	7	1	—
12	28.95	28.97	69.9	58.9	41.0	73.8	15.1	4.4	28.0	36.8	33	74	N	0.5	N	0.5	0	7	—
13	28.98	28.96	59.9	57.7	45.7	69.0	11.6	6.0	23.0	31.4	44	66	NE	1	NE	0.5	4	1	—
14	28.91	28.91	66.6	60.2	38.5	75.8	9.5	7.5	35.3	31.2	54	60	NE	0.5	NE	0.5	0	5	—
15	28.91	28.93	70.4	60.7	40.4	75.0	13.2	8.2	32.4	30.3	44	57	NE	0.5	SW	0.5	0	7	—
16	28.91	28.91	66.6	56.9	40.0	71.3	11.4	3.4	31.1	36.5	48	79	E	0.5	S	0.5	0	5	—
17	28.98	28.96	65.3	62.6	41.4	71.4	9.0	4.4	34.6	42.5	55	75	SW	0.5	SW	0.5	1	7	—
18	28.93	28.91	56.9	53.6	51.7	65.0	2.4	1.8	39.2	36.1	85	88	E	0.5	S	0.5	10	8	0.07
19	28.93	28.93	51.4	49.9	47.8	61.0	1.9	1.4	33.1	32.3	88	91	SW	0.5	W	0.5	10	6	0.04
20	28.93	28.93	53.6	52.6	46.7	56.6	3.8	0.9	31.0	37.2	76	94	E	0.5	E	0.5	8	10	0.15
21	28.93	28.93	56.7	53.8	50.3	61.2	1.0	1.0	43.0	38.6	94	93	E	0.5	NE	0.5	10	8	0.02
22	28.93	28.93	56.8	52.9	51.0	61.2	1.9	2.4	49.5	43.6	87	85	NE	1	S	0.5	8	7	—
23	28.93	28.93	54.3	55.0	42.4	59.0	4.0	3.3	31.5	34.2	75	79	S	0.5	S	0.5	8	8	0.10
24	28.93	28.93	55.0	53.2	49.2	61.8	5.5	3.7	29.1	30.9	68	76	NW	0.5	NW	2	5	8	—
25	28.80	28.80	57.6	58.8	43.0	61.0	1.9	2.3	41.8	42.5	87	86	SW	2	SW	2	7	7	0.01
26	28.84	29.02	59.6	51.6	51.0	64.7	3.9	4.1	39.2	28.2	77	74	SW	2	N	0.5	8	1	0.03
27	29.07	29.08	57.9	56.4	38.0	64.0	6.4	2.9	30.9	37.2	84	82	S	4	SW	0.5	7	9	0.27
28	28.82	28.99	55.3	53.2	51.2	57.3	2.8	1.7	35.9	35.8	82	89	S	0.5	SE	1	8	9	0.07
29	28.92	28.93	59.8	52.6	50.6	62.3	4.3	4.9	38.5	27.6	75	70	W	0.5	W	2	7	7	0.15
30	28.61	28.47	54.8	51.9	38.4	59.8	7.1	2.6	25.5	31.9	61	83	W	1	SW	0.5	7	7	0.12
Mean	28.840	28.843	59.5	55.5	45.3	65.3	6.4	3.7	33.4	34.1	66.9	77.6	1.0	0.7	5.6	6.1	1.09		

## LAUDALE.—JUNE 1899.

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

1	30.13	29.97	62.8	61.0	47.2	71.7	7.4	5.5	34.9	37.1	62	70	S	3	SW	1	5	10	15	Very fine and warm.
2	29.87	30.09	57.0	50.5	48.0	64.0	3.0	2.5	37.7	30.4	81	83	S	2	NNW	2	8	7	02	☀️ ☁️ 3/4. — ☀️ showers p.
3	30.06	30.02	53.7	55.0	43.7	57.4	3.3	1.0	32.4	40.3	78	93	SSE	1	W	3	10	10	08	Cloudy and threatening. ☀️ p.
4	30.11	30.14	55.9	56.1	52.0	61.0	1.1	1.1	41.4	41.8	93	92	SW	3	SW	1	10	10	04	Damp ☀️ a. and p. ☀️ showers p.
5	30.20	30.20	57.0	55.0	53.3	60.4	3.0	1.8	37.7	38.1	81	88	SW	1	SW	1	10	10	—	Dull all day, with ☀️ (mist).
6	30.29	30.34	55.0	54.0	52.2	61.2	1.8	2.3	38.1	35.2	88	84	W	1	Calm	0	7	10	—	Fine and warm. ☀️ (mist).
7	30.40	30.39	53.8	58.3	51.1	64.7	1.1	1.8	38.3	43.2	92	89	Calm	0	Calm	0	10	3	—	☀️ (mist) a. Bright from 3p.
8	30.41	30.41	58.0	57.5	55.2	66.8	2.0	2.2	42.1	40.8	87	86	Calm	0	Calm	0	10	0	—	☀️ (mist) a. Fine and warm.
9	30.43	30.38	59.0	56.7	45.0	64.5	3.0	2.4	40.7	38.9	82	85	N	2	Calm	0	0	0	—	Fine all day.
10	30.33	30.29	55.2	53.0	46.0	64.0	1.0	1.0	40.7	37.4	93	93	NW	1	N	1	5	5	—	Fine day. ☀️ (mist).
11	30.26	30.24	57.5	54.0	52.0	66.0	1.7	4.0	42.2	31.0	89	74	Calm	0	N	1	10	0	—	☀️ (mist) a. Fine and warm p.
12	30.19	30.14	61.0	62.0	41.0	70.0	2.0	2.4	47.0	47.5	88	86	NNW	2	W	2	0	3	—	Fine and warm.
13	30.19	30.10	65.5	53.0	47.2	73.0	6.0	1.0	42.7	37.4	69	93	Calm	0	Calm	0	0	0	—	Fine and warm.
14	30.06	30.04	63.7	60.0	51.0	73.2	4.7	2.0	43.5	45.3	74	88	Calm	0	Calm	0	0	0	—	Fine and warm.
15	30.06	30.05	70.2	60.0	51.0	75.0	9.2	5.0	41.6	36.9	56	71	SE	1	Calm	0	0	3	—	Fine and very dry.
16	30.13	30.05	57.8	57.0	49.7	72.0	2.8	2.2	39.5	39.9	82	86	Calm	0	Calm	0	10	0	—	Very fine and warm.
17	29.97	29.72	59.7	55.7	49.9	65.2	2.9	0.9	42.1	41.7	83	94	Calm	0	Calm	0	9	10	38	Dull a. ☀️ p.
18	29.65	29.62	55.8	49.7	48.0	58.0	1.8	0.7	39.3	33.8	88	95	WNW	1	WNW	1	10	10	80	☀️ (mist) ☀️ showers.
19	29.54	29.57	51.2	51.0	48.0	56.0	1.2	1.0	34.5	34.8	92	93	W	3	WNW	2	10	8	—	☀️ (mist) ☀️ a.
20	29.52	29.46	57.0	54.0	47.0	62.6	4.0	1.8	35.1	36.6	75	87	Calm	0	Calm	0	7	10	04	Warm and damp. ☀️ from 7p.
21	29.56	29.60	64.0	60.3	51.8	69.4	4.2	0.3	45.5	51.4	76	98	E	3	Calm	0	10	10	08	Warm and damp a. ☀️ p.
22	29.75	29.82	62.0	58.0	57.2	65.0	3.1	1.0	45.3	45.1	82	93	Calm	0	SSE	1	10	10	06	Dull, close and threatening.
23	29.87	29.92	62.0	55.7	55.0	64.9	6.0	1.1	37.2	41.2	67	93	SSE	2	Calm	0	7	10	17	☀️ (mist) p.
24	30.03	30.05	55.4	52.2	47.3	60.5	3.7	1.0	33.8	36.3	77	93	N	3	N	1	6	2	02	☀️ showers a. ☀️ p.
25	30.03	30.03	55.0	57.0	46.8	60.4	2.0	1.0	37.5	43.4	87	93	S	4	NW	1	10	10	15	☀️ (mist) p.
26	30.11	30.11	53.2	53.4	50.0	62.0	1.2	2.2	37.1	34.7	92	85	NW	3	N	1	10	0	—	☀️ (mist) a. Fine from 10a.
27	30.23	30.11	58.9	62.2	46.0	64.0	5.6	3.0	33.8	45.9	69	82	SW	2	S	4	9	7	15	Cloudy and threatening.
28	29.86	29.66	60.0	59.0	54.0	65.7	2.3	1.7	44.4	44.5	86	90	S	4	S	4	10	10	36	☀️ showers.
29	29.71	29.55	56.7	52.0	51.0	60.2	1.5	2.0	41.5	33.5	90	86	W	3	W	3	9	6	02	☀️ showers.
30	29.78	29.55	55.2	51.7	49.9	62.0	2.8	2.1	35.7	32.9	82	86	SW	4	S	3	10	10	07	☀️ showers.
Mean	30.024	30.008	58.3	55.8	49.6	64.7	3.2	1.9	39.4	39.2	81.4	87.6	1.6	1.1	7.4	6.1	2.60			

## DUNDEE.—JUNE 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
							Dep. of Wet.		Vapour Tension.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.					
	ins.	ins.							in.	in.	%	%				ins.				
1	30.04	29.88	61.8	54.8	45.7	67.4	5.6	2.2	.379	.369	69	86	E	1	SE	1	5	7	05	Sunny day. ∞
2	29.76	29.89	61.6	53.4	47.6	67.8	5.7	4.2	.374	.300	69	73	SW	4	NW	6	5	10	—	☉ 6a.—7a.
3	29.94	29.90	58.8	54.1	41.4	67.5	5.9	2.4	.332	.351	67	83	W	4	W	4	5	10	—	Dull from 5p.
4	29.97	30.01	61.9	65.1	51.9	71.7	4.3	8.4	.417	.358	75	58	W	2	W	2	10	5	—	Sunny day.
5	30.02	30.05	63.1	58.3	53.6	71.9	4.7	4.2	.425	.366	73	75	SW	2	W	1	5	10	—	Dull day.
6	30.06	30.12	65.6	59.2	53.6	73.7	7.2	3.6	.395	.394	63	79	W	2	W	1	10	10	—	Dull day.
7	30.23	30.30	56.8	50.1	49.6	61.0	1.4	1.5	.420	.323	91	89	SE	1	SE	1	5	10	—	Dull day.
8	30.31	30.31	54.6	49.3	46.8	61.4	3.9	1.7	.322	.308	76	83	SE	2	SE	1	5	7	—	Fine and sunny.
9	30.27	30.22	63.3	52.5	43.0	65.8	6.1	1.9	.389	.344	67	87	SE	1	SE	1	5	10	—	Fine and sunny.
10	30.14	30.10	57.6	53.1	49.1	62.0	2.8	1.5	.393	.362	83	89	SE	2	SE	1	10	5	—	—
11	30.09	30.11	60.6	51.4	50.9	67.5	4.0	1.6	.405	.338	78	90	SE	2	SE	1	10	10	—	—
12	29.97	29.97	66.6	54.6	46.6	78.7	5.0	1.7	.476	.379	73	89	SW	1	SE	1	0	5	—	Fine and sunny.
13	30.05	30.00	58.1	48.4	47.9	62.2	5.3	1.6	.336	.330	69	89	SE	4	NE	1	5	0	—	Fine and sunny.
14	29.94	29.95	63.9	51.6	41.8	68.5	6.0	1.8	.401	.335	68	88	SE	1	NE	1	0	7	—	Fine and sunny.
15	29.94	29.95	66.6	55.1	44.6	73.8	7.0	5.4	.418	.294	64	68	SE	1	NE	1	0	7	—	Fine and sunny.
16	29.97	29.96	59.2	51.1	43.9	65.0	3.4	1.1	.400	.347	80	92	SE	2	SE	2	10	10	—	∞ a. and p.
17	29.85	29.67	55.0	54.8	50.2	70.6	1.9	2.0	.378	.373	88	88	SE	1	SE	1	10	10	05	Dull a. and p.
18	29.52	29.42	58.9	57.1	52.0	63.5	1.3	0.9	.456	.439	92	93	E	2	SE	1	10	10	02	☉ n. ☉ <sup>0</sup> showers 7p.—8p.
19	29.36	29.37	56.4	55.4	51.9	69.8	2.5	3.2	.382	.350	84	80	SE	2	NE	1	10	5	—	—
20	29.38	29.36	54.6	54.1	48.3	56.4	1.5	0.3	.383	.411	90	98	NE	2	NE	2	10	10	12	☉ from 9a. ☉ <sup>0</sup> from 3p.
21	29.46	29.36	61.1	55.4	53.2	61.5	2.4	0.8	.460	.416	85	95	E	1	E	2	10	10	08	☉ 10a.—1p. ∞
22	29.66	29.73	58.4	55.0	53.4	65.5	1.7	1.3	.436	.395	89	91	SE	1	SE	1	10	10	—	Dull day.
23	29.76	29.78	58.8	54.6	52.0	63.7	2.2	0.8	.428	.404	87	95	SE	1	SE	1	10	10	14	Dull day. ☉ <sup>0</sup> showers from 1p.
24	29.81	29.92	61.6	54.9	53.0	67.7	5.5	2.1	.379	.372	70	87	NW	2	E	1	5	10	—	—
25	29.88	29.82	65.0	60.5	47.7	67.3	6.7	2.4	.399	.449	65	86	SW	2	W	2	5	10	—	—
26	29.85	29.09	68.6	55.1	54.5	72.7	7.5	2.3	.437	.369	62	85	NW	2	SE	1	5	0	—	Fine and sunny.
27	30.14	30.03	61.8	55.0	49.8	66.9	5.4	1.4	.385	.392	70	91	SE	4	SE	1	5	10	23	Dull from 1p. ☉ 9p.
28	29.85	29.62	54.7	52.6	51.5	58.3	0.4	0.0	.417	.397	97	100	SE	2	SE	1	10	10	92	☉ n. and during day.
29	29.57	29.63	57.1	56.3	51.8	69.3	0.5	5.4	.452	.311	96	69	W	1	NW	2	10	7	05	☉ showers.
30	29.65	29.48	59.6	55.6	44.5	68.5	4.1	3.7	.387	.342	76	77	SW	2	SW	1	5	10	06	Dull from 6p.
Mean	29.883	29.873	60.4	54.6	49.1	66.9	4.1	2.4	.402	.363	77.2	85.3	1.9	1.5	6.8	8.2	1.72			



## LADYLAKE.—JUNE 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +0.026 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	65°	55°	38°	72°	5°	3°	in.	in.	%	%					ins.	Bright all day.  

## SCARBOROUGH.—JUNE 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.025 in.

1	30°03	29°92	66°0	55°0	53°7	74°1	5°0	3°8	464	329	73	76	SW 2	SW 2	4	6	—	p.  Brilliant day.
2	29°81	29°70	69°0	53°1	53°1	75°0	7°0	2°2	457	344	65	85	S 1	WSW 2	6	1	—	
3	29°97	29°99	57°0	57°0	45°8	62°1	4°0	4°1	352	349	75	75	NNW 1	WSW 2	6	5	—	
4	29°98	30°01	67°1	51°7	47°8	69°1	5°3	0°1	475	381	71	99	NW 1	Calm 0	6	3	—	
5	30°04	30°05	67°6	57°2	49°4	74°5	4°6	1°0	505	437	75	93	Calm 0	Calm 0	1	3	—	
6	30°07	30°10	71°7	60°9	54°4	75°7	6°5	2°8	524	444	67	83	ESE 1	N 1	4	2	—	
7	30°15	30°22	61°0	49°4	49°4	62°9	1°3	0°3	491	345	92	98	NNW 2	NbyW 1	4	9	—	
8	30°26	30°25	51°0	47°0	46°9	54°0	2°2	0°7	317	305	85	95	N 3	N 2	10	10	—	
9	30°20	30°15	57°8	50°0	41°7	61°5	3°0	0°9	389	338	82	94	NNW 1	NNW 2	10	10	—	
10	30°12	30°08	52°7	50°0	48°7	57°0	0°8	0°2	375	356	94	99	NNW 2	NE 2	10	10	—	
11	30°03	30°02	62°5	50°7	48°2	71°8	2°5	2°1	480	316	84	86	SW 1	N 2	6	10	—	
12	29°96	29°87	58°1	38°0	45°6	69°0	2°2	1°2	416	444	86	92	N 1	NbyW 1	1	7	—	
13	29°95	29°91	51°3	47°9	49°9	59°0	1°5	1°8	339	289	90	87	N 3	NbyW 2	10	10	—	
14	29°90	29°91	51°7	45°0	45°0	56°0	2°4	0°8	322	293	83	98	N 3	Calm 0	10	2	—	
15	29°91	29°92	57°0	46°8	39°1	59°4	3°0	0°6	377	305	82	95	N 1	Calm 0	0	0	—	
16	29°89	29°86	61°9	54°1	42°8	64°2	7°1	3°1	344	335	63	79	N 2	NbyW 1	0	0	—	
17	29°84	29°70	57°0	51°0	46°2	59°0	2°0	0°1	406	371	87	99	N 2	Calm 0	1	1	—	
18	29°52	29°49	67°0	63°1	50°7	75°8	3°8	1°2	522	533	79	93	S 3	WSW 1	10	10	131	
19	29°41	29°41	53°0	51°9	50°0	63°1	0°9	1°0	377	360	94	93	NW 1	SSE 1	10	10	485	
20	29°21	29°27	55°0	54°0	48°9	61°0	0°1	0°1	430	415	99	99	SSE 2	SSE 2	10	10	025	
21	29°32	29°48	60°0	55°0	49°1	71°9	0°9	0°1	487	430	93	99	N 1	E 1	5	10	371	
22	29°53	29°68	53°0	52°7	48°9	61°2	1°0	0°1	374	396	93	99	NE 3	NE 1	10	10	—	
23	29°68	29°75	55°8	55°0	50°3	65°7	0°6	1°0	427	403	96	93	NNW 1	Calm 0	10	10	—	
24	29°77	29°86	60°0	51°7	51°7	67°0	1°0	0°5	483	370	93	97	WNW 2	Calm 0	10	10	—	
25	29°87	29°85	61°0	58°1	48°2	63°8	4°0	0°1	410	480	77	99	N 1	WSW 2	6	10	—	
26	29°86	29°05	72°2	53°0	52°1	77°7	4°2	1°0	613	374	78	93	W 3	NW 1	7	2	—	
27	30°12	29°95	62°0	52°1	46°8	63°0	4°0	1°0	427	362	77	93	N 2	Calm 0	1	7	—	
28	29°88	29°66	60°0	52°2	51°1	63°0	2°8	0°2	428	385	83	99	SE 3	SE 2	4	10	111	
29	29°55	29°60	63°0	58°0	51°2	66°6	1°8	0°4	511	469	89	97	SE 2	Calm 0	10	10	552	
30	29°66	29°50	62°9	54°5	48°1	65°8	4°9	0°5	415	410	72	97	NW 2	SSE 1	4	7	169	
Mean	29°849	29°845	60°2	53°2	48°4	65°7	3°0	1°1	431	379	82.6	92.8	1.8	1.1	6.2	6.8	1°844	

Clear p.

Sunny a.

3 p. - 3.30 p. ('552 in.).

170

Note:—The hygrometrical values for Scarborough are somewhat doubtful.

## CRONKBORNE.—JUNE 1899.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +0.024 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.								Percentage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
	ins.	ins.						in.	in.	%	%					ins.		
1	30°03	29°88	60°0	59°0	42°3	68°2	5°4	3°8	359	385	69	77	ESE 2	E 1	3	3	—	Very fine.
2	29°50	30°05	58°4	48°0	41°8	67°7	3°6	1°9	383	287	78	87	W 3	WNW 2	4	2	—	Fine day. p.
3	30°06	°03	57°8	52°8	40°6	60°5	3°8	1°9	369	348	77	86	SSE 2	ESE 1	3	6	—	Fine day.
4	°06	°10	61°0	54°2	50°0	70°2	2°8	1°2	445	385	83	92	SE 1	N 1	6	2	—	Fine day. p.
5	°14	°16	63°0	58°0	47°2	67°6	4°0	1°9	443	424	77	88	SE 1	Calm 0	7	3	—	Fine day. pp
6	°18	°18	64°2	60°8	48°9	75°0	4°8	2°8	440	442	73	83	SE 1	WNW 2	2	4	—	Very fine. p.
7	°22	°25	71°0	62°2	58°0	74°0	9°2	4°2	431	424	56	76	Calm 0	E 2	2	7	—	Very fine. p.
8	°32	°30	56°0	55°0	54°0	64°5	2°4	4°6	381	311	85	72	NE 1	N 1	8	2	—	Very fine.
9	°31	°23	61°4	57°0	45°0	68°4	5°4	3°3	379	369	70	79	S 1	WNW 2	3	3	—	Very fine. p.
10	°18	°13	65°2	60°2	46°0	72°0	3°8	5°4	488	362	79	69	W 1	NW 2	0	0	—	Very fine.
11	°12	30°08	69°8	61°2	55°6	74°5	9°0	3°8	415	420	57	78	NW 2	NW 2	4	0	—	Very fine.
12	°04	29°55	61°0	57°1	49°0	70°0	2°6	3°1	451	376	84	81	NW 2	WNW 3	0	1	—	Very fine.
13	30°03	°09	60°0	48°0	48°0	63°4	5°1	1°6	367	295	71	89	NE 3-4	NNW 1	3	0	—	Very fine. p.
14	29°56	°94	62°8	52°4	42°5	67°4	3°4	2°6	458	325	80	83	E 2	N 1	0	3	—	Very fine. pp
15	°57	°57	60°6	55°4	45°0	67°3	4°0	4°2	404	387	77	74	ESE 2	NW 1	0	0	—	pp (mist) a. and p.
16	°56	°52	65°4	59°0	43°0	71°6	5°5	3°8	439	385	71	77	SE 2	WNW 2	0	1	—	pp (mist) a. and p. Very fine.
17	°85	°70	66°0	59°2	48°5	71°4	5°0	2°2	464	433	73	87	ESE 1	W 1	2	10	218	T. a. Very fine.
18	°56	°56	56°0	50°0	50°0	59°2	5°3	2°2	310	304	69	85	SSE 2	NW 3	10	7	°020	☉ showers in afternoon.
19	°51	°42	55°2	51°1	42°2	61°0	5°4	3°1	297	298	68	79	WSW 2	NNW 1	4	10	°110	Very fine.
20	°25	°24	53°7	57°2	50°0	61°2	2°3	0°8	348	443	84	95	NE 4	SSE 2	10	10	°277	Dull and overcast. ☼ 9p.
21	°36	°53	62°0	54°2	54°2	69°0	2°0	0°8	487	397	88	95	ENE 4	NNW 1	10	4	—	Fine day.
22	°58	°67	62°8	57°4	51°0	68°5	3°1	0°6	468	453	82	96	NE 2	NE 2	8	10	°048	Dull and overcast. ☉ from 4p.
23	°77	29°86	55°4	55°0	53°4	58°3	1°2	1°0	404	403	92	93	E 1	WNW 1	10	10	°001	Overcast all day.
24	°97	30°02	57°2	56°0	51°0	63°2	1°8	1°2	359	413	76	92	WNW 3-4	NW 1	6	9	—	Fine day.
25	29°58	29°57	57°0	61°9	52°0	63°3	1°0	0°9	434	322	93	95	WSW 3	WNW 3	10	9	—	Dull day.
26	30°04	30°15	62°2	56°5	55°2	66°0	2°0	2°5	491	384	88	84	W 3	Calm 0	10	10	—	Cloudy day.
27	30°14	30°01	59°1	61°2	54°0	66°2	1°7	1°2	447	500	89	93	ESE 2	ENE 2	10	10	°858	☼ (mist) a. ☉ from 6p. ☼
28	29°73	29°63	55°8	56°0	53°8	62°0	0°8	0°1	422	446	94	99	ENE 3	WSW 2	10	9	°498	☼ 11a. ☉ showers.
29	°68	°79	58°7	49°0	49°0	63°9	2°1	0°9	439	325	88	94	NW 4-5	NW 1	8	7	°003	Dull a. ☉ showers 6p.
30	29°74	29°44	59°9	53°8	42°0	61°3	5°9	0°4	345	403	67	97	S 2	ESE 5	4	10	°899	☉ from 4p. ☉ 9p.
Mean	29°520	29°504	60°6	56°0	48°8	66°6	3°9	2°3	412	386	77°9	85°8	2°1	1°6	5°2	5°4	2°932	



## HILLINGTON.—JUNE 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021 in.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24- hours beginning	Remarks.		
								Dep. of Wet.		Vapour Tension.		Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 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.	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SE	1	SE	2	0	0	ins.	Fine and warm.
2	30.16	30.06	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SW	3	SW	0.5	4	10	—	Very fine and hot.
3	30.10	30.03	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NW	2	E	0.5	6	1	—	Very fine and sunny. Much cir.
4	30.11	30.03	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SSE	2	S	0.5	0	10	—	Very fine, sunny, and warm.
5	30.16	30.06	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	S	1	NE	0.5	0	0	—	Very fine, sunny, and hot.
6	30.18	30.07	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	2	NE	0.5	0	2	—	Cloudless and hot.
7	30.22	30.13	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	3	NE	1	0	5	—	Fine and warm.
8	30.40	30.31	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	3	NE	1	8	10	—	Cool and cloudy.
9	30.32	30.25	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NNE	2	NE	2	10	10	—	Cool and cloudy. Cold evening.
10	30.22	30.19	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	N	2	NE	1	10	10	—	Cool and cloudy, sunny later.
11	30.15	30.13	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NNE	1	NE	0.5	10	6	—	Very overcast, then sunny.
12	30.08	30.07	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NNE	2	NE	0.5	0	6	—	Cloudless all day. Cool wind.
13	30.02	30.06	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	4	NE	1	10	6	—	Very overcast and breezy. Much cir. p.
14	29.96	29.98	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	2	N	0.5	3	3	—	Overcast a. fine p. Cool evening.
15	30.03	30.00	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	2	N	0.5	3	3	—	Very fine. Much cir. all day.
16	29.99	29.96	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	2	N	0.5	3	3	—	Fine and clear, much cir.-c.
17	30.03	30.02	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SE	2	SE	0.5	8	10	—	Misty early a. Very fine.
18	30.09	30.06	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SE	2	SE	0.5	8	10	—	Cloudy and hot.
19	30.14	30.11	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SE	2	E	2	6	10	—	Cloudy, then sunny. In evening.
20	30.31	30.27	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	E	2	E	2	6	10	—	4a. Overcast nearly all day.
21	30.49	30.55	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	E	2	E	0.5	10	10	—	Fine and sunny a. Cloudy afternoon.
22	30.56	30.66	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	E	2	E	0.5	10	10	—	4a.-11.30a. Overcast all day.
23	30.76	30.86	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	2	NE	2	7	3	—	Dark and gloomy, then fine.
24	29.90	29.97	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	2	NE	2	7	3	—	[showers p.]
25	30.01	30.01	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SW	2	NE	0.5	10	10	—	Sunny and cloudy.
26	30.04	30.12	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NW	2	NW	1	8	10	—	Very fine and sunny.
27	30.22	30.16	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NW	4	NW	3	9	9	—	5a. Cloudy, with fitful sunshine.
28	30.01	29.73	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	3	E	2	2	9	—	6a. early a. T <sup>0</sup> 2p.
29	29.68	29.76	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	SE	3	SE	4	7	10	—	Very fine and sunny. 2 from 9p.
30	29.82	29.66	69.0	56.1	44.6	77.5	11.2	2.9	348	366	49	81	NE	1	NW	1	10	8	—	
Mean	29.968	29.948	61.5	55.2	48.5	70.4	5.7	2.5	376	368	69.1	83.9	2.1		1.3	5.6	6.2	0.86		

## CHURCHSTOKE.—JUNE 1899.

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

1	29.63	29.50	65.9	54.9	43.0	74.9	7.4	2.7	.396	.356	62	82	SE	1	S	2	8	2	—	
2	.52	.61	60.0	45.8	45.4	66.9	5.8	0.9	.349	.287	67	93	W	2	N	1	8	0	—	
3	.64	.60	57.8	53.9	37.9	69.1	5.7	1.9	.322	.362	67	87	N	2	NNE	1	2	0	—	Bright, but with cool breeze.
4	.63	.66	62.4	56.1	41.6	77.1	6.3	1.9	.370	.396	65	87	N	2	N	1	1	0	—	Bright and hot.
5	.70	.72	65.5	56.1	43.2	76.9	5.7	3.6	.434	.349	69	77	N	2	N	1	0	2	—	
6	.74	.74	70.0	52.4	48.1	78.8	8.1	0.9	.443	.360	60	94	NNW	2	NW	1	0	0	—	Bright and hot.
7	.77	.82	70.2	58.8	49.2	78.3	9.1	2.8	.419	.410	57	83	N	1	NE	2	1	8	—	a. Bright and hot. ∞ p.
8	.87	.84	51.9	51.1	49.8	64.1	2.1	1.9	.331	.327	85	87	NE	2	NE	1	10	0	—	Dull a. Bright p.
9	.84	.76	54.9	56.1	37.9	69.7	4.7	3.1	.307	.362	71	80	N	2	Calm	0	0	0	—	Cool breeze. ∞
10	.73	.70	61.8	53.7	43.2	75.0	4.8	0.7	.401	.393	73	95	E	2	NE	1	0	0	—	Cool breeze.
11	.66	.64	56.0	57.5	48.4	76.9	5.9	2.3	.437	.404	68	85	E	2	N	1	0	8	—	∞. Bright day.
12	.58	.52	70.0	58.6	48.2	78.4	8.1	1.8	.443	.436	60	89	NE	1	Calm	0	0	1	—	Bright and hot.
13	.55	.54	60.9	48.9	48.0	66.8	4.0	2.0	.409	.296	77	85	NE	2	NE	2	10	0	—	
14	.50	.51	58.9	52.9	37.0	66.1	2.9	3.0	.409	.322	82	80	N	2	E	1	0	2	—	Bright and breezy.
15	.53	.53	64.5	49.9	40.0	73.4	8.5	1.7	.348	.316	57	88	E	2	N	1	4	0	—	Bright and hot.
16	.52	.49	63.2	55.9	44.0	77.1	6.3	1.9	.382	.391	66	87	NE	1	NE	1	0	0	—	Bright and hot.
17	.41	.30	70.0	61.0	44.1	79.4	14.8	3.6	.286	.422	39	79	ENE	2	SW	2	0	8	—	
18	.17	29.14	59.0	46.6	46.2	61.7	2.8	0.7	.413	.301	83	95	SSW	2	NW	1	10	2	2.80	● <sup>0</sup> p.
19	29.07	28.89	58.6	54.9	37.9	61.9	7.0	4.4	.304	.315	62	72	NW	2	SE	2	5	10	4.60	Bright day.
20	28.72	28.77	55.1	55.0	50.8	67.2	0.3	0.4	.425	.421	98	97	SE	1	SE	2	10	8	.379	☀ <sup>2</sup>
21	28.92	29.06	58.9	55.1	54.5	69.7	3.9	1.6	.381	.386	76	89	SE	1	SE	1	10	5	—	
22	29.12	.24	63.0	55.8	47.0	70.4	3.9	1.8	.444	.393	78	88	SE	2	NE	1	8	10	—	∞
23	.31	.43	55.7	56.7	52.5	61.3	2.5	1.5	.371	.415	83	89	E	1	NW	1	10	10	—	Cloudy and close.
24	.51	.60	58.4	51.7	51.4	64.1	6.4	1.9	.315	.334	64	87	NW	3	NW	2	8	8	—	Breezy day.
25	.59	.59	58.2	59.4	47.3	64.4	3.0	1.1	.396	.470	82	92	W	1	SW	2	10	10	.050	Cloudy day. ● <sup>0</sup> shower.
26	.60	.73	64.0	59.8	59.0	71.3	3.1	1.5	.487	.465	82	90	SW	2	SW	1	9	10	.010	Cloudy and close.
27	.64	.56	65.0	60.8	58.0	71.8	4.1	3.1	.473	.433	77	82	SE	2	SE	2	10	10	.040	Cloudy and close. ● shower.
28	.38	.24	56.9	56.4	55.2	69.1	3.1	0.6	.373	.436	81	96	SE	2	W	2	10	10	.680	
29	.26	29.36	60.2	53.9	51.2	66.7	3.6	1.9	.410	.362	78	87	WNW	2	NW	1	8	10	—	4 p.-5 p.
30	29.34	28.99	59.9	54.9	47.9	64.0	5.9	0.7	.345	.410	67	95	W	3	SSW	2	8	10	.260	Breezy day. ● <sup>2</sup> showers p.
Mean	29.481	29.469	61.6	54.8	46.9	70.4	5.3	1.9	.387	.378	71.2	87.2		1.8		1.3	5.3	4.8	2.159	

## ST DAVID'S, PEMBROKE.—JUNE 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +.018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	3 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
	ins.	ins.							in.	in.	%	%					ins.	
1	29.92	29.83	63.3	54.5	50.1	70.2	6.3	1.5	.384	.381	66	90	SE 5	SSW 5	2	2	—	a. Fine, sunny and warm.
2	.93	.99	56.9	49.5	49.2	61.4	4.4	2.0	.341	.304	73	87	NW 3	NW 3	3	0	—	Fine and sunny.
3	29.99	29.97	60.5	49.5	45.4	66.0	5.7	2.8	.359	.285	68	81	SSW 2	NW 2	1	1	—	a. Fine and sunny.
4	30.00	30.01	63.1	49.3	45.4	65.3	8.1	3.8	.336	.263	59	74	NE 2	NE 3	0	0	—	Bright and sunny.
5	.04	.05	71.7	57.5	48.3	74.2	9.4	2.7	.437	.394	56	83	NE 1	NE 1	1	1	—	a. Bright and very warm.
6	.08	.07	73.2	59.6	55.3	75.8	8.9	2.9	.479	.420	58	82	N 1	NE 2	2	0	—	a. Sunny and very warm.
7	.10	.10	66.0	59.0	53.4	70.7	5.3	3.8	.455	.385	72	77	NNE 3	NE 4	3	5	—	Sunny day.
8	.17	.17	65.5	52.8	52.4	67.2	5.0	1.0	.456	.372	73	93	SE 1	NNW 3	0	2	—	(mist) a. Sunny day.
9	.20	.12	59.5	54.5	48.7	64.4	4.7	2.8	.370	.347	72	81	NNE 3	NNE 3	0	0	—	a. Clear and sunny.
10	.10	30.05	60.5	55.8	49.3	65.6	4.0	1.5	.403	.402	77	90	NNW 3	NE 2	0	0	—	(mist) a. Clear and sunny.
11	30.02	29.97	65.5	59.5	50.3	67.4	6.9	4.0	.401	.388	64	76	NNE 4	NE 4	0	6	—	(mist) a. Fine and sunny.
12	29.96	.89	64.5	54.2	52.1	66.0	4.2	0.9	.463	.394	77	94	NNW 2	NE 3	0	1	—	(mist) ga. Sunny day.
13	.88	.86	61.3	53.0	52.0	67.1	2.9	0.9	.447	.377	82	94	NE 4	NNE 2	0	0	—	Sunny and warm.
14	.89	.84	60.4	52.5	50.3	66.5	5.0	1.9	.375	.344	71	87	SE 2	NW 2	0	1	—	(mist) a. and p. Sunny day.
15	.90	.91	60.5	55.6	51.2	65.2	4.0	0.6	.403	.425	77	96	SE 3	Calm	0	0	—	(mist) a. Sunny day.
16	.88	.84	63.5	54.1	50.2	68.1	3.0	0.8	.483	.396	82	94	NW 2	N 2	0	0	—	(mist) a. Sunny day.
17	.80	.70	64.9	56.7	51.2	71.2	3.3	0.9	.499	.403	82	88	NW 1	SW 2	0	10	.485	a. Sunny and warm.
18	.55	.54	52.6	51.5	50.6	61.7	0.3	3.0	.389	.305	98	80	NW 2	Calm	0	3	.010	2 from 2a. Sunny from 11a.
19	.43	.20	59.1	52.0	49.1	64.2	4.7	0.8	.363	.366	72	94	SE 3	ESE 3	8	10	.502	Sunny intervals.
20	.02	.04	58.5	54.8	50.3	63.7	0.9	0.1	.462	.428	94	99	NE 2	NW 3	9	10	.964	showers. 2 p.
21	.20	.40	57.5	55.8	53.0	64.1	1.0	2.3	.443	.381	94	85	ESE 4	NNE 2	7	1	.040	Frequent showers.
22	.50	.57	61.5	56.3	49.5	66.6	4.0	1.5	.419	.409	77	90	WNW 1	WNW 2	3	10	—	Sunny and warm.
23	.64	.78	56.2	56.0	54.1	67.2	1.2	1.5	.416	.436	92	90	NW 2	NW 2	10	9	—	Sunny from 11a.
24	.95	.99	55.9	55.5	54.2	63.0	2.6	2.2	.374	.378	84	86	NNE 4	WNW 3	9	6	—	Sunny from 10a.
25	29.98	29.98	58.5	56.5	54.1	63.2	2.0	0.5	.429	.441	87	96	WSW 4	WSW 2	10	10	—	p.
26	30.05	30.08	60.5	56.8	56.2	67.6	2.1	0.5	.459	.447	87	86	WNW 2	SSW 1	8	8	—	sp.-sp.
27	30.05	29.85	63.0	61.5	56.1	69.0	2.3	2.0	.496	.480	86	88	ESE 3	SE 4	6	6	.204	1a.-8a. showers 7p.
28	29.64	.60	59.5	57.0	56.2	65.1	1.0	1.0	.477	.434	94	93	SE 5	WNW 3	10	7	.002	early a.
29	.67	.76	58.5	56.5	53.1	65.2	2.6	1.9	.411	.401	83	88	NW 4	NW 3	10	8	—	Sunny from 11a.
30	29.71	29.39	60.0	55.2	49.2	67.4	5.1	0.8	.367	.433	71	95	SW 4	SW 6	5	10	.102	1p.-6p.
Mean	29.841	29.818	61.4	55.2	51.4	66.7	4.0	1.8	.420	.387	77.6	88.2	2.7	2.6	3.8	4.3	2.309	



## SOUTHAMPTON.—JUNE 1899.

Height above Mean Sea Level, 78 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet 6 inches. Rain-gauge, 1 foot.  
Long. 1° 24' W. Lat. 50° 55' N. Gravity Correction, +0.016 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning.	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max	Dep.of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	68.6	60.2	48.0	74.5	0.6	in.	in.	%	%	SE	3.5	SE	1	0	5	—	Very warm, but with pleasant breeze		
2	30.15	30.05	68.6	60.2	48.0	74.5	0.6	in.	in.	39.1	39.6	54	76	SE	3.5	SE	1	0	5	—	Delightfully fine and very warm.
3	30.03	30.07	74.1	61.5	55.1	80.2	11.4	4.9	4.26	393	51	72	SW	2	NW	1	1	0	0	—	Delightfully fine and very warm.
4	30.12	30.09	66.3	61.8	50.9	75.6	8.7	5.2	3.68	390	57	71	NE	2	SE	2	0	0	1	—	Very warm throughout.
5	30.14	30.16	71.0	63.7	50.0	78.1	9.0	5.1	4.36	423	57	71	S	2	SE	2	0	0	1	—	Very warm and close all day.
6	30.20	30.19	70.6	66.5	53.1	88.4	8.8	7.4	4.35	404	58	62	S	1.5	SW	1	10	8	—	Very warm all day.	
7	30.21	30.17	75.5	68.3	54.5	82.2	8.9	7.1	5.22	443	58	64	NE	1	SE	2	0	0	0	—	Beautiful day throughout.
8	30.33	30.31	60.4	53.8	52.4	68.4	6.4	4.6	3.40	295	64	71	NE	4	NE	4	1	0	0	—	Beautiful day, with cool breeze.
9	30.33	30.25	56.0	55.8	47.0	69.1	6.7	3.8	2.80	342	62	76	E	4.5	NE	1.5	5	1	0	—	Beautiful day, with cool breeze.
10	30.24	30.19	60.9	54.5	51.0	68.8	7.5	2.4	3.31	357	60	84	E	4	SE	2	9	0	0	—	Beautiful day.
11	30.18	30.13	57.7	55.9	46.6	70.2	3.4	1.8	3.78	395	79	89	ENE	1	SE	1	10	0	0	—	Beautiful day from 11 a.
12	30.10	30.07	66.4	61.7	47.1	77.3	6.6	3.7	4.24	431	65	78	W	1	SW	0.5	1	10	0	—	Beautiful day and very warm.
13	30.01	30.02	66.2	53.0	52.1	70.1	7.3	4.4	4.01	290	63	72	ENE	4	NE	1	9	0	1	—	Beautiful day, with pleasant breeze.
14	30.01	30.01	53.0	51.9	44.3	63.2	5.4	4.0	2.69	288	67	74	NE	3	NNE	1	9	0	1	—	Beautiful day.
15	30.06	30.01	64.0	60.2	48.2	75.6	9.2	5.1	3.24	370	54	71	N	2	SW	0.5	1	0	0	—	Beautifully fine and warm.
16	29.98	29.96	70.5	61.1	49.7	78.5	10.8	6.1	3.80	350	50	66	NE	1.5	SW	1.5	0	1	0	—	Beautifully fine and very warm.
17	75	78	71.9	59.5	49.0	76.8	10.9	2.1	4.00	441	51	87	S	2.5	SW	2.5	0	0	0	—	Beautifully fine and very warm.
18	77	84	60.1	55.7	55.3	64.7	1.6	0.8	4.68	422	90	95	SW	2.5	NW	2.5	10	10	0	—	Beautifully fine and very warm.
19	62	66	63.0	56.5	48.1	68.6	7.3	3.7	3.54	353	62	77	N	1.5	ESE	4.5	2	10	0	—	Fine till 5 p., then 5 p.
20	27	29	62.1	59.5	54.9	69.3	3.3	2.8	4.49	421	80	83	S	4.5	S	4	10	9	0	—	5 p.
21	42	56	60.9	59.7	56.1	67.3	4.1	4.6	4.06	375	77	73	SE	3	SE	1	10	0	0	—	showers p.
22	60	67	69.5	61.5	52.0	78.5	8.1	1.4	4.34	498	60	92	WNW	2.5	NNE	2	10	0	0	—	Beautiful day throughout.
23	77	29.90	62.5	62.4	55.2	69.4	4.5	3.6	4.20	445	74	79	NE	2.5	NW	2	10	0	0	—	Delightful a.
24	29.98	30.06	66.7	60.8	55.2	73.6	4.9	6.3	4.82	349	73	66	NW	3	N	3	10	7	0	—	Beautiful day throughout.
25	30.12	30.12	67.8	63.3	50.6	69.4	9.5	3.4	3.72	467	54	80	NW	3	NW	3	10	10	0	—	Beautiful a.
26	17	20	66.4	63.0	58.9	82.2	2.5	0.6	5.55	554	86	96	WNW	4	NW	3	10	2	0	—	Delightfully fine and very warm.
27	30.22	30.11	70.8	62.3	58.7	73.3	6.1	4.6	5.20	415	69	74	E	2	SE	3	9	6	0	—	Beautiful day throughout.
28	29.93	29.74	63.7	62.5	56.4	74.7	5.4	1.5	4.15	513	70	91	SSE	4	NW	3	9	10	0	—	7 p. - 5 p.
29	78	86	67.5	61.4	53.5	72.6	6.4	4.5	4.50	403	67	75	WNW	4	NW	2.5	7	2	0	—	Beautiful day throughout.
30	29.91	29.67	66.1	58.6	51.1	69.6	7.0	0.7	4.08	470	64	96	NW	2	SW	5	7	10	0	—	Beautiful day till 3 p. 5 p. from 5 p.
Mean	29.994	29.963	65.9	60.0	51.9	73.5	7.1	3.8	4.09	405	64.2	78.0	2.6	2.1	5.6	4.2	1.373				

## PLYMOUTH.—JUNE 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 28' N. Gravity Correction, +0.015 in.

1	30.04	29.98	67.5	59.1	53.1	71.6	8.3	2.7	397	418	59	83	E	S	3	—	Fine and sunny all day.
2	30.04	29.96	64.5	53.9	48.8	64.5	2.8	1.4	493	376	83	91	NW	NW	4	0	Fine and sunny all day.
3	30.05	30.06	62.8	59.7	48.7	66.3	3.9	2.7	443	427	78	84	S	W	0	0	Fine and sunny all day.
4	30.05	30.08	69.8	64.6	51.7	73.0	8.4	3.6	431	453	60	75	NE	NE	3	0	☉ shower noon. Sunny day.
5	30.12	30.16	72.0	64.6	55.4	74.0	8.3	4.9	474	475	60	79	E	SSE	6	2	Very fine and sunny.
6	30.14	30.14	71.7	67.5	57.2	74.3	5.5	3.5	558	541	71	80	SE	NNE	3	2	Very sunny and warm.
7	30.14	30.17	73.0	64.6	62.8	75.8	7.8	4.1	508	469	63	78	NE	NE	6	1	Sunny intervals.
8	30.24	30.23	58.1	59.1	55.8	65.1	1.2	1.9	447	441	91	88	NE	S	10	0	Overcast, then sunny.
9	30.27	30.24	56.2	56.7	46.6	60.1	3.4	1.8	357	406	79	88	N	SSW	2	0	Bright and sunny all day.
10	30.16	30.13	60.1	53.6	53.7	64.3	2.2	1.1	449	381	86	93	NE	ENE	7	0	Bright and sunny all day.
11	30.09	30.09	61.3	58.6	49.7	67.2	2.4	0.9	463	464	85	95	NE	NE	0	0	Very fine and sunny.
12	30.05	29.98	60.6	62.8	48.4	64.1	0.9	1.1	499	534	94	93	S	NNW	0	3	Very fine and sunny.
13	29.93	29.97	72.7	58.0	56.9	72.7	4.3	0.5	623	467	77	97	SE	W	0	10	Fine and sunny a.
14	29.95	29.97	60.6	53.6	53.2	62.3	4.1	1.8	402	361	77	88	E	SSE	5	1	Fine and sunny, but with cool breeze.
15	30.00	30.02	61.2	56.4	44.4	62.8	3.5	1.6	438	407	80	90	S	S	6	0	Fine and sunny all day.
16	29.96	29.92	62.6	61.7	49.6	73.8	2.9	0.9	470	519	83	95	NW	N	0	0	Fine and sunny all day.
17	30.00	30.05	66.6	60.6	52.7	70.2	2.9	0.7	546	506	84	95	SSE	NW	0	10	Fine and sunny all day.
18	30.06	30.06	55.6	54.5	46.5	60.6	0.5	1.5	397	399	97	90	S	NW	10	3	☉ showers a.
19	30.05	30.02	59.8	52.6	47.6	60.1	3.0	0.3	420	389	82	98	SE	E	9	10	Sunny till 10 a., then ☉.
20	30.10	30.14	61.6	56.8	51.9	62.5	1.9	0.0	485	402	88	87	ESE	ESE	8	8	Sunny intervals.
21	30.28	30.27	62.1	57.8	54.7	63.1	1.9	0.1	493	476	88	99	SE	SE	7	10	Fine and sunny till 3 p.
22	30.28	30.28	61.6	58.6	54.7	68.1	1.4	0.6	500	473	91	96	S	NW	7	0	Fine and sunny all day.
23	30.23	30.28	65.6	61.0	56.0	67.8	1.9	0.2	560	530	89	99	N	N	9	1	Sunny intervals.
24	30.29	30.29	64.6	56.8	55.7	68.2	1.6	1.0	550	432	90	94	NNW	NNW	5	7	Sunny intervals.
25	30.11	30.13	62.1	60.8	53.7	63.1	1.4	0.3	509	524	91	98	W	NW	9	10	Overcast all day.
26	30.16	30.19	63.1	59.0	58.1	70.7	0.1	0.1	574	497	99	99	S	NW	8	3	Fine and sunny.
27	30.15	30.18	64.3	60.6	52.7	72.4	0.7	0.9	577	499	96	94	S	E	6	9	
28	30.18	30.18	64.8	58.5	58.2	67.2	0.6	1.7	587	438	95	89	ESE	NNW	10	9	
29	30.18	30.18	63.8	56.8	54.1	64.8	1.9	0.0	526	462	89	100	NW	W	5	0	
30	29.89	29.60	61.1	58.0	48.5	64.2	0.9	0.0	508	482	94	100	SSW	SSW	5	10	Sunny a. ☉ p.
Mean	29.930	29.923	63.6	58.9	53.0	67.2	3.0	1.5	489	455	83.3	91.2	—	—	5.1	3.7	1.720

## ARMAGH.—JUNE 1899.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +0.025 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	63.7	60.0	50.0	70.0	8.8	0	in.	in.	%	%	ESE 3	SE 3	0	10	ins.	Fine all day.  Fine all day.  <



## DUBLIN (PHENIX PARK).—JUNE 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Tension.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.			9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	59.8	60.5	42.7	72.3	1.3	5.7	.473	.359	92	68	E 1	S 2	2	6	ins.	Beautiful day.	
2	29.97	30.05	54.6	47.4	47.1	61.5	5.1	1.8	.294	.284	70	87	WNW 2	Calm	0	4	—	Fine day.	
3	30.05	.02	59.7	57.3	40.9	67.8	7.8	3.8	.300	.361	59	77	WSW 1	Calm	0	4	—	Beautiful day.	
4	.06	.11	60.9	54.9	51.4	69.0	4.1	1.1	.406	.400	77	94	Calm	Calm	0	5	—	Fine day.	
5	.14	.14	66.3	55.3	48.9	69.2	5.6	1.5	.452	.394	71	90	Calm	Calm	0	2	—	Beautiful day.	
6	.17	.19	68.8	56.1	48.3	72.6	7.6	1.4	.437	.410	62	90	Calm	Calm	0	2	—	Beautiful day.	
7	.24	.26	66.4	53.0	51.1	72.1	9.5	1.7	.351	.355	55	88	NE 1	Calm	0	2	—	Beautiful day.	
8	.30	.30	60.0	52.0	48.4	62.9	3.5	1.2	.409	.356	79	92	E 1	Calm	0	2	—	Beautiful day.	
9	.31	.24	65.9	54.7	42.6	69.7	6.5	1.1	.419	.397	66	93	Calm	Calm	0	2	—	Beautiful day.	
10	.18	.15	66.4	57.2	43.7	72.8	7.0	1.7	.413	.418	64	89	Calm	Calm	0	0	—	Beautiful day.	
11	.11	30.10	70.4	57.9	45.3	74.7	10.4	2.1	.388	.417	52	87	Calm	Calm	0	0	—	Beautiful day.	
12	.06	29.99	58.7	56.3	49.5	69.1	0.9	1.1	.465	.421	95	92	Calm	Calm	0	10	2	Dull a. Cloudy p.	
13	30.01	.09	59.4	49.4	45.8	65.0	2.3	1.1	.434	.325	87	92	NE 1	Calm	0	10	0	Dull a. Bright p.	
14	29.94	.92	65.7	52.5	39.4	69.8	9.3	1.6	.346	.351	55	89	Calm	Calm	0	0	—	Beautiful day.	
15	.96	.97	59.9	54.9	41.5	71.4	4.0	1.2	.394	.397	76	93	Calm	Calm	0	2	—	Beautiful day.	
16	.99	.93	59.4	58.4	52.5	72.6	2.7	1.1	.422	.454	84	93	Calm	Calm	0	0	—	Cloudy a. Bright p.	
17	.87	.71	60.7	56.9	49.6	71.3	3.6	1.3	.417	.424	79	92	Calm	Calm	0	6	10	Cloudy day. ☁ 5p. ☁ from 9p.	
18	.61	.62	53.7	48.1	43.1	61.2	3.1	1.8	.329	.291	80	87	NW 1	Calm	0	9	2	Cloudy day.	
19	.39	.50	57.5	52.0	37.6	59.8	7.0	4.9	.290	.268	61	70	Calm	Calm	0	5	8	Cloudy day.	
20	.24	.27	51.3	51.5	48.3	53.6	2.2	0.9	.322	.357	85	93	N 2	N 1	5	9	10	Dull day, with ☁.	
21	.33	.52	60.5	53.6	50.2	66.8	2.8	1.7	.437	.363	83	88	NE 1	Calm	0	7	4	Fine day.	
22	.60	.71	59.4	56.8	45.4	69.2	2.4	1.0	.431	.432	86	94	Calm	Calm	0	6	10	Fine day.	
23	29.75	29.90	59.8	57.8	49.0	64.1	2.5	1.7	.435	.427	85	89	Calm	Calm	0	10	6	Dull day. ☁ showers.	
24	30.00	30.06	57.7	56.5	51.9	63.3	1.3	1.8	.437	.376	92	82	NW 1	Calm	0	7	8	—	
25	29.99	.02	59.8	62.3	52.0	71.9	2.3	2.0	.442	.493	86	88	WSW 1	W 1	9	6	.010	Cloudy day. ☁ 1p.	
26	30.08	30.13	62.2	59.4	57.1	67.1	2.7	0.9	.469	.478	84	95	WSW 1	Calm	0	9	4	.010	Cloudy day. ☁ 3p.-4p.
27	30.08	29.94	68.4	57.7	57.1	71.4	4.3	0.9	.531	.450	77	95	E 1	Calm	0	5	10	.185	☁ 3p. and 7p.-10p.
28	29.65	.64	61.7	56.0	55.9	66.2	2.2	2.1	.477	.388	87	86	S 1	W 1	9	4	.080	☁ a. ☁ showers.	
29	.74	.83	58.9	49.8	49.7	64.8	4.5	2.2	.365	.302	73	85	NW 1	Calm	0	6	4	—	Fine day.
30	29.69	29.39	59.4	57.6	41.5	60.7	8.6	1.7	.280	.494	55	88	SW 2	Calm	0	6	8	.110	Cloudy day. ☁ a. and p.
Mean	29.919	29.910	61.1	55.1	47.6	67.5	4.6	1.8	.402	.386	75.2	88.2	0.6	0.2	5.4	4.1	1.585		

## PARSONSTOWN.—JUNE 1899.

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

1	29.89	29.74	64.0	56.9	45.3	72.7	7.6	3.9	.361	.352	61	76	SE 1	SE 1	4	☁ a. Fine and sunny.
2	.98	30.02	55.5	50.7	49.7	62.0	7.0	3.0	.267	.295	61	80	NW 1	W 1	6	Fine and sunny.
3	29.99	29.99	59.3	56.7	41.3	65.5	7.4	2.7	.303	.381	60	83	SW 1	SW 1	7	Fine and sunny.
4	30.03	30.07	60.5	58.2	49.0	66.9	4.1	2.3	.400	.415	76	85	SW 1	NW 1	10	
5	.11	.09	64.0	65.7	47.8	76.6	5.0	4.7	.431	.468	72	74	S 1	SE 1	1	☁ a. Fine and sunny.
6	.13	.16	71.0	62.0	54.3	81.0	10.1	3.1	.406	.453	53	82	S 1	N 1	2	☁ a. Fine and sunny. T p.
7	.21	.24	68.9	63.7	52.8	77.5	7.1	9.9	.453	.306	63	52	N 1	N 1	1	Fine and sunny. ☁ n.
8	.24	.25	58.6	58.7	48.7	73.2	1.7	3.7	.440	.384	89	77	NW 1	E 1	10	☁ a. Fine and sunny.
9	.28	.25	65.3	63.0	49.3	73.7	6.1	3.9	.420	.446	68	78	SE 1	N 1	4	Fine and sunny. ☁ n.
10	.16	.10	67.2	64.7	46.8	76.9	9.2	5.8	.370	.420	55	69	NNE 1	NE 1	0	☁ a. and n. Fine and sunny.
11	.10	30.05	69.7	65.8	49.8	78.7	8.9	5.4	.417	.449	57	71	N 1	N 1	0	☁ a. and n. Fine and sunny.
12	30.05	29.98	59.9	61.7	51.8	71.2	1.5	3.8	.467	.428	91	78	NW 1	NW 1	10	
13	29.97	.94	58.7	59.0	47.8	72.6	2.3	3.8	.423	.385	85	77	SE 1	E 1	10	☁ a. Fine and bright.
14	.91	.87	65.2	60.7	42.3	76.3	6.2	5.8	.416	.360	67	68	NE 1	SW 1	0	☁ a. Fine and bright.
15	.93	.95	60.3	59.5	52.6	72.9	3.3	2.6	.419	.427	80	84	NW 1	SW 1	10	Fine day. ☁ 2 n.
16	.97	.91	59.8	60.7	53.6	71.7	2.1	3.2	.448	.429	87	81	NW 1	NW 1	10	Fine day. ☁ 2 n.
17	.85	.67	59.6	56.0	49.7	65.7	3.8	1.0	.395	.419	78	93	SW 1	S 1	10	Cloudy, with ☁. ☁ 2 n.
18	.62	.60	56.7	50.5	48.8	62.0	4.7	2.6	.331	.302	71	82	NW 1	E 1	9	Fine and sunny. ☁ 2 n.
19	.47	.33	55.0	53.2	38.8	62.0	6.1	5.8	.278	.263	65	65	SE 1	NE 1	10	Fine day.
20	.25	.29	52.7	51.0	47.1	53.6	3.8	2.3	.301	.316	75	84	NW 3	NW 3	10	Dull and overcast, with ☁.
21	.48	.48	52.3	56.6	48.6	58.2	0.9	1.6	.368	.411	94	89	NW 1	SW 1	10	☁ 2 n. ☁.
22	.58	.66	61.2	56.7	53.8	70.6	3.2	2.2	.437	.395	81	86	SW 1	SW 1	7	Fine day.
23	29.73	29.90	58.0	57.7	47.8	64.7	1.5	2.8	.436	.395	90	82	SW 1	NW 1	10	Overcast, with ☁.
24	30.03	30.03	58.2	56.5	49.1	63.7	6.2	4.3	.316	.338	65	73	NW 1	SW 1	9	
25	29.97	.04	62.5	58.8	53.6	70.0	2.4	1.4	.483	.451	86	92	SW 1	SW 1	10	
26	30.07	30.10	60.2	60.7	56.8	64.2	1.5	1.8	.472	.472	91	89	W 1	SW 1	10	Overcast, with ☁.
27	30.03	29.83	65.6	58.9	57.1	68.0	3.5	1.1	.505	.462	81	94	SE 1	SE 1	10	☁ showers.
28	29.59	.63	61.0	56.7	56.0	64.0	1.1	2.7	.500	.381	93	83	SE 1	SW 1	10	☁ showers.
29	.75	.81	60.2	52.0	52.0	62.0	5.4	3.2	.362	.305	69	79	W 1	SW 1	6	Fine and bright.
30	29.66	29.34	58.5	55.7	46.6	62.2	4.8	1.8	.354	.393	72	88	SE 1	W 3	10	
Mean	29.894	29.876	61.0	58.3	49.6	68.7	4.6	3.4	.399	.390	74.5	79.8	1.1	1.2	7.2	1.852

## DEERNES.—JULY 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Tension.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%				ins.	
1	29.38	29.34	55.2	51.2	49.0	58.0	1.4	0.4	.395	.366	91	98	E 3	ENE 2	4	3	Cir. in bands NE-SW.
2	.29	.50	53.0	52.8	50.8	59.3	0.0	0.6	.403	.383	100	95	NE 3	N 2	10	3	☉ a. Fine day.
3	.67	.84	55.0	52.2	50.2	59.3	0.7	0.4	.412	.380	95	98	NNW 2	NNW 3	10	1	☁ a. Very fine.
4	29.89	29.96	53.2	53.5	49.5	59.8	1.2	2.0	.371	.354	92	87	N 2	NNW 2	10	10	—
5	30.00	30.01	58.2	53.0	49.4	59.8	6.0	1.5	.321	.361	66	90	SSE 1	SSE 1	4	8	Very fine.
6	30.01	30.01	56.2	55.1	51.5	59.6	2.2	0.9	.388	.408	86	93	SSW 1	SSE 1	10	10	Very fine.
7	29.95	29.98	61.7	55.0	53.0	62.4	3.4	2.2	.440	.370	81	86	NW 1	WNW 2	10	8	—
8	.93	.86	52.7	50.0	49.2	55.6	0.9	0.3	.373	.353	94	98	NNE 1	N 1	10	10	☉ till 5p.
9	.64	.53	53.0	55.0	47.8	59.6	0.6	0.5	.386	.418	96	97	SSE 4	S 4	10	10	☉ most of day from 9a.
10	.71	.73	56.2	52.5	49.5	60.3	4.1	1.5	.340	.354	75	90	WSW 1	Calm	0	7	Very fine.
11	.71	.73	55.0	52.0	51.0	56.6	1.7	0.8	.383	.366	89	94	SE 1	NNE 1	10	10	☁
12	.73	.62	53.2	56.0	50.8	56.3	0.8	0.0	.383	.449	95	100	N 3	E 2	10	10	☁ 100. - 9p.
13	.58	.64	56.0	55.0	53.3	60.0	0.0	1.0	.449	.403	100	93	SSW 2	ESE 2	10	2	☁ a. Fine day.
14	.61	.77	60.4	53.3	53.0	63.6	3.0	1.2	.430	.373	82	92	S 3	N 1	2	2	Very fine.
15	.77	.83	59.0	54.3	53.0	63.0	3.0	1.2	.407	.386	82	92	W 1	Calm	0	9	Sultry day.
16	.88	.87	60.7	54.7	50.5	63.6	5.9	0.9	.356	.402	67	94	SW 1	SSE 1	1	9	☉ showers.
17	.86	.82	60.0	53.7	52.6	61.3	5.0	0.5	.369	.399	71	96	WSW 3	NW 1	3	9	Very fine.
18	.80	.81	58.3	55.2	51.0	63.0	5.1	2.4	.343	.368	70	85	WNW 2	Calm	0	7	Fine all day.
19	.75	29.86	51.7	52.0	50.0	56.3	0.7	1.0	.365	.361	95	93	N 4	NNW 1	10	5	☁ p.
20	.97	30.01	57.6	53.0	49.0	59.6	4.8	2.2	.341	.342	72	85	NNW 1	Calm	0	5	☉ till 3p., then fine.
21	.98	29.94	56.5	56.0	50.2	58.8	2.5	1.2	.384	.413	84	92	SSE 2	SE 1	9	9	Very fine.
22	.96	.86	59.2	54.0	52.6	62.6	3.7	1.0	.400	.388	78	93	NNW 1	E 1	1	9	Cir. bands E-W.
23	.75	.70	60.2	58.1	52.5	61.2	2.2	1.1	.450	.450	87	92	SE 2	Calm	0	1	Very fine and mild.
24	.73	.58	54.0	53.8	61.8	1.0	2.0	.454	.360	93	86	N 3	SW 1	4	10	Very fine. Sky inky blue to S.	
25	.56	.45	60.6	53.5	52.2	61.8	2.4	0.3	.451	.402	85	98	SW 3	SSE 3	10	10	Mild a. ☉ from 6p.
26	.53	.75	55.4	52.2	50.2	57.8	4.4	2.2	.322	.332	73	85	WbyNW 8	W 3	3	10	☉ (6 miles per hour) 2a. - 3a.
27	.83	.83	56.6	54.7	50.3	59.0	3.6	1.7	.357	.379	77	89	NNW 5	WSW 5	8	10	Cold, with ☉ showers.
28	.76	.64	56.2	56.1	53.0	57.6	2.7	0.1	.375	.448	83	99	W 8	W 7	10	10	☉ Overcast, with ☉ from 4p.
29	.70	29.76	56.0	54.5	53.5	58.0	0.7	0.5	.428	.411	95	97	W 6	W 6	10	10	☉ ☉ showers p.
30	29.91	30.10	56.9	56.2	52.2	59.2	1.4	0.2	.421	.441	91	99	W 6	W 3	10	10	☉ ☉ ☉
31	30.17	30.11	61.1	56.7	54.8	69.0	3.3	1.5	.432	.415	80	90	WSW 4	SSW 1	5	8	Very fine.
Mean	29.774	29.794	56.9	54.0	51.3	60.1	2.5	1.1	.391	.388	84.7	92.8	2.8	1.9	7.2	7.8	2.495



BRAEMAR.—JULY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.		
1	28° 33	28° 26	50° 9	50° 8	47° 2	54° 9	1° 1	1° 3	346	339	93	91	E	0° 5	NE	1	9	ins.	
2	26	50	52° 8	52° 8	48° 4	56° 0	1° 7	1° 9	353	348	88	87	N	0° 5	N	0° 5	8	9	Dull with showers.
3	70	86	53° 2	53° 6	50° 3	57° 0	2° 0	2° 3	349	347	86	84	NW	0° 5	NW	0° 5	9	8	Dull with showers.
4	89	97	57° 8	51° 6	48° 9	61° 0	6° 1	2° 3	314	323	66	84	NW	1	NW	0° 5	5	1	Fine day.
5	28° 96	28° 99	63° 1	58° 6	37° 0	69° 0	6° 3	0° 9	381	464	66	95	NW	0° 5	NW	0° 5	3	10	Fine day.
6	29° 00	29° 01	63° 9	61° 9	37° 3	69° 2	4° 6	3° 4	441	444	74	80	NW	0° 5	S	0° 5	7	6	Fine day.
7	28° 98	28° 99	64° 5	60° 6	47° 8	67° 2	5° 2	2° 3	433	455	72	86	SW	0° 5	SW	0° 5	8	7	Fine a. shower sp.
8	89	88	62° 4	54° 8	54° 0	59° 6	5° 6	5° 2	390	295	69	69	W	0° 5	SW	2	7	7	Fine day.
9	73	63	53° 6	58° 6	40° 0	62° 1	2° 0	2° 9	355	405	86	82	SW	2	SW	1	10	7	Fine a. Dull p.
10	72	73	53° 4	54° 7	52° 0	61° 2	1° 2	2° 1	374	369	91	86	SW	0° 5	SW	0° 5	10	10	Fine a. Dull p.
11	67	68	57° 6	54° 2	51° 4	62° 2	2° 6	0° 9	398	394	83	94	E	0° 5	NE	0° 5	8	10	Cloudy day.
12	61	61	53° 6	57° 4	51° 0	58° 0	0° 4	0° 9	400	445	97	95	NE	0° 5	NE	0° 5	10	8	Cloudy day. T
13	65	71	59° 3	56° 4	52° 0	65° 7	6° 0	4° 6	334	330	67	72	SW	0° 5	SW	0° 5	5	7	Fine day.
14	71	80	60° 4	55° 3	53° 0	62° 0	5° 2	1° 8	370	386	70	88	SW	4	SW	0° 5	8	7	showers.
15	81	88	58° 3	55° 3	48° 0	64° 3	5° 8	3° 8	327	335	67	76	SW	2	SW	0° 5	7	3	Fine day.
16	91	95	58° 4	56° 6	42° 0	61° 1	7° 4	3° 1	292	370	59	80	SW	2	SW	0° 5	7	8	Fine day.
17	90	88	59° 1	58° 9	48° 0	65° 0	5° 6	3° 7	341	387	69	77	W	1	SW	0° 5	8	8	Fine day.
18	83	79	60° 6	59° 9	49° 0	66° 1	3° 8	3° 2	410	416	79	81	SW	0° 5	S	0° 5	8	8	Cloudy and gusty.
19	72	86	60° 6	52° 6	51° 5	63° 3	2° 7	1° 8	442	348	84	88	S	0° 5	S	0° 5	8	8	Fine day.
20	96	98	54° 6	52° 6	48° 3	57° 0	4° 9	2° 8	300	323	71	81	SE	0° 5	E	0° 5	7	8	Dull and cloudy.
21	97	95	54° 3	54° 8	49° 0	57° 3	2° 1	1° 1	334	399	79	93	E	0° 5	S	0° 5	8	9	Dull and cloudy.
22	96	90	58° 1	56° 7	52° 0	65° 2	2° 9	2° 2	398	395	81	86	S	0° 5	S	0° 5	8	8	Fine a.
23	77	75	59° 0	55° 9	50° 0	61° 3	4° 3	1° 1	372	416	75	94	S	0° 5	S	0° 5	7	10	Fine a.
24	78	83	57° 8	55° 0	51° 2	68° 4	2° 8	3° 2	395	344	82	80	S	0° 5	SW	0° 5	7	8	Fine day.
25	71	61	58° 1	60° 8	50° 7	65° 8	2° 4	1° 5	412	483	84	91	SW	0° 5	SW	0° 5	8	9	Fine day.
26	70	86	55° 8	50° 6	49° 5	60° 8	4° 7	3° 8	321	276	72	75	W	8	W	6	4	8	Cloudy and gusty.
27	95	98	57° 3	53° 7	48° 0	62° 0	6° 1	3° 8	307	312	65	75	NW	4	SW	4	7	7	Fine day.
28	92	83	56° 6	56° 6	51° 8	61° 4	5° 8	3° 3	306	365	67	79	W	8	W	6	7	5	Very gusty.
29	28° 84	28° 87	60° 9	59° 2	54° 2	68° 8	4° 9	4° 0	384	383	72	76	W	6	SW	2	7	4	Very gusty.
30	29° 01	29° 17	66° 4	67° 8	53° 3	73° 3	7° 2	10° 1	408	358	63	53	SW	4	NW	0° 5	4	3	Very gusty.
31	29° 22	29° 18	66° 6	64° 9	43° 7	76° 0	7° 8	5° 4	396	434	61	71	NW	0° 5	SW	0° 5	5	7	Very gusty.
Mean	28° 810	28° 835	58° 4	56° 6	48° 7	63° 7	4° 3	2° 9	367	377	75° 4	82° 2	1° 7	1° 1	7° 2	7° 4	2° 39		

LAUDALE.—JULY 1899.

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

1	29°42	29°43	58°0	54°0	50°7	59°5	3°0	0°3	*393	*409	81	98	SW	1	NW	1	10	10	*16	☉ showers.	[p.
2	*48	29°72	55°5	54°7	52°7	58°2	1°5	1°1	*397	*396	90	93	WNW <sub>4</sub>	1	NNW <sub>3</sub>	3	10	10	*02	☉ a. and p. Dull with ☼ <sup>0</sup> (mist)	
3	29°92	30°06	56°0	54°8	53°0	60°1	1°0	2°1	*419	*370	93	86	NNW <sub>2</sub>	2	NW <sub>2</sub>	2	10	8	*01	☉ <sup>0</sup> (mist) p.	
4	30°12	*14	55°0	56°4	52°8	62°7	2°7	2°4	*357	*385	83	85	WNW <sub>1</sub>	1	Calm	0	10	6	—		
5	*15	*18	64°0	59°0	52°3	69°0	3°2	1°0	*486	*467	81	94	Calm	0	Calm	0	9	10	—	☼ <sup>0</sup> (mist) p.	
6	*18	*18	60°2	60°0	56°0	68°8	1°4	1°0	*476	*485	92	94	Calm	0	Calm	0	5	10	*08		
7	*16	*13	61°0	57°0	57°0	62°4	2°0	0°0	*470	*465	88	100	Calm	0	Calm	0	10	10	*35	☉ from 8a. ☉ <sup>2</sup> ☼ <sup>0</sup> (mist) p.	
8	30°11	30°03	55°0	55°7	52°0	62°0	0°9	2°9	*406	*363	94	82	WNW <sub>2</sub>	2	NW	1	10	6	*05	☼ <sup>0</sup> (mist) a. ☉ showers a.	
9	29°81	29°79	61°0	54°3	53°7	62°4	2°0	1°1	*470	*390	88	92	W	4	SW	1	10	10	*55	☉ showers a.	
10	*89	*80	57°0	54°7	47°0	63°0	3°0	1°1	*377	*396	81	93	NW	1	Calm	0	7	9	*01	Very red sky p.	
11	*85	*85	57°7	56°2	50°4	63°0	3°5	2°2	*375	*388	79	86	Calm	0	Calm	0	10	10	*17	☉ shower 6a. Peculiar red sky p.	
12	*79	*72	56°0	57°7	54°3	59°0	0°3	0°7	*440	*455	98	95	Calm	0	Calm	0	10	10	*40	☉ all day.	
13	*80	*79	59°0	57°3	53°7	65°3	4°0	1°7	*380	*418	76	89	SW	2	S	4	6	10	*14	Bright a. Cir. p.	
14	*83	29°92	59°9	56°3	55°3	67°0	2°2	1°3	*445	*415	87	91	W	1	Calm	0	9	10	*03	☉ showers, a.	
15	29°97	30°02	58°0	55°4	52°7	65°0	2°3	1°7	*413	*390	85	89	SSW	2	NW	1	10	3	*36	☉ <sup>0</sup> showers.	
16	30°06	*07	60°2	57°0	52°0	62°0	3°5	2°0	*412	*405	79	87	SSW	3	W	1	10	7	*07	☼ <sup>0</sup> (mist) a. ☉ showers p.	
17	30°05	30°01	60°2	59°0	51°6	63°7	2°5	1°0	*441	*467	85	94	SW	1	S	1	10	8	*17	☼ <sup>0</sup> (mist) a. ☉ <sup>0</sup> showers.	
18	29°99	29°91	57°0	58°4	54°0	63°0	1°0	1°4	*434	*445	93	91	Calm	0	Calm	0	10	10	*10	☼ <sup>0</sup> (mist) ☉ <sup>2</sup> showers a.	
19	29°90	29°90	57°1	55°9	51°8	65°7	1°7	2°9	*416	*366	88	82	SW	2	SW	2	7	6	*02	Fine day.	
20	30°11	30°11	57°0	60°0	48°7	66°3	1°6	3°0	*417	*423	89	82	S	1	SSW	2	2	9	—	Dull and warm.	
21	*08	*10	60°0	56°0	55°1	63°2	3°0	1°0	*423	*419	82	93	SE	1	Calm	0	10	10	—		
22	30°08	30°00	65°4	63°0	51°0	72°0	1°4	3°0	*574	*474	92	82	S	1	Calm	0	10	10	—	Dull day.	
23	29°89	29°90	65°0	58°3	55°7	70°0	4°7	1°3	*456	*447	75	92	SE	2	SW	1	6	0	—	Warm and sultry.	
24	30°00	30°02	56°0	56°2	53°9	61°1	1°7	3°0	*399	*367	89	81	NW	3	NW	1	10	10	*16	☉ showers.	
25	29°87	29°74	61°3	62°0	51°0	70°0	1°3	2°0	*498	*467	92	88	W	4	WNW <sub>7</sub>	7	10	10	*88	☉ <sup>2</sup> a. ☉ in evening.	
26	29°97	30°09	55°2	55°0	51°4	62°7	2°4	2°0	*368	*375	85	87	WNW <sub>4</sub>	4	WNW <sub>5</sub>	5	8	9	*09	Squally ☉ (gale) ☉ showers p.	
27	30°17	*25	58°0	55°9	53°0	58°9	1°3	1°0	*442	*417	91	93	WNW <sub>3</sub>	3	WNW <sub>3</sub>	3	10	10	*09	☉ <sup>0</sup> ☼ <sup>0</sup> (mist) a. ☉ showers p.	
28	*20	*10	59°9	59°9	55°9	61°0	1°9	1°1	*454	*480	89	94	W	5	WSW	7	9	10	*27	☉ <sup>0</sup> ☉ <sup>2</sup> p.	
29	*11	*14	58°9	57°5	56°7	62°5	0°3	1°4	*489	*431	99	91	WSW	3	W	2	10	10	*06	☉ a. ☼ <sup>0</sup> (mist).	
30	*26	*37	59°0	60°0	54°8	64°7	2°0	1°1	*436	*482	88	93	SW	1	W	1	10	9	*03	Dull with ☼ <sup>0</sup> (mist).	
31	30°41	30°36	62°4	62°0	56°2	73°0	2°1	2°7	*491	*465	88	84	SW	1	Calm	0	8	5	—	☼ <sup>0</sup> (mist) a. Fine and warm.	
Mean	29°987	30°000	58°9	57°4	53°1	64°1	2°1	1°6	*434	*424	87·1	89·7		1°8	1°5	8°9	8°5	4°27			

DUNDEE.—JULY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.		
1	29.18	29.18	56.3	52.5	51.9	56.7	0.7	0.4	.433	.384	95	97	E	2	NE	6	10	10	● n. and during day.
2	22	48	58.5	54.5	52.2	59.9	2.4	0.9	.417	.399	85	94	NE	2	NW	1	10	10	● showers from 10a.
3	66	84	65.7	58.7	52.8	67.1	6.0	3.3	.430	.395	69	79	NE	2	NE	2	5	10	Cloudy a.
4	29.98	29.98	61.7	55.0	49.4	69.5	4.0	1.4	.422	.392	77	91	SE	1	NE	1	10	10	Cloudy a.
5	30.01	30.02	64.7	56.5	50.1	69.6	4.1	1.7	.470	.406	77	89	SE	1	E	1	5	10	Cloudy. Dull from 4p.
6	03	30.00	66.0	58.7	53.0	72.5	4.4	1.6	.483	.443	76	90	SW	1	NE	1	5	7	Fine day.
7	30.00	29.99	69.5	65.0	53.4	76.7	4.4	3.2	.550	.504	76	82	W	2	W	2	10	10	Cloudy. Dull from 4p.
8	29.92	89	65.5	59.3	59.0	75.4	4.9	6.2	.462	.329	74	66	W	2	W	2	5	10	01
9	76	66	62.0	60.3	47.9	68.6	2.8	1.5	.462	.475	83	91	SW	1	SW	4	10	10	01
10	72	73	57.1	54.5	53.4	61.2	0.5	0.4	.452	.414	96	97	E	1	E	1	10	10	01
11	70	69	61.2	53.7	52.6	62.3	2.4	0.3	.462	.404	86	98	S	1	E	1	10	10	01
12	65	59	60.5	58.9	53.5	66.6	1.5	0.3	.477	.488	91	99	E	2	SE	1	10	10	29
13	66	70	63.8	58.4	54.4	70.1	4.6	3.8	.439	.378	74	77	SW	2	W	2	5	5	43
14	72	80	64.7	56.9	53.2	71.9	3.3	1.3	.491	.484	82	92	W	2	SW	1	5	0	04
15	84	90	63.3	59.4	50.8	70.7	4.7	3.2	.428	.408	73	81	SW	4	SW	2	10	5	04
16	95	94	68.7	62.0	50.7	73.7	5.5	4.4	.497	.416	70	75	SW	4	SW	2	5	10	04
17	92	89	65.9	61.3	55.1	70.6	4.7	1.5	.471	.492	74	91	SW	2	SW	1	5	10	08
18	85	82	65.8	60.8	55.0	71.1	5.0	0.7	.462	.510	73	96	SW	1	SW	1	5	10	30
19	73	29.82	60.1	57.3	56.6	69.5	0.5	1.3	.593	.430	97	91	SW	1	NE	2	10	10	11
20	99	30.01	56.5	55.2	52.1	61.7	3.8	2.0	.351	.379	76	87	NE	2	NE	2	10	10	—
21	98	30.00	56.5	57.5	53.8	60.7	1.0	1.3	.427	.433	94	91	E	1	E	1	10	10	—
22	98	29.90	61.2	57.5	54.0	68.3	1.6	0.9	.489	.446	91	94	SE	2	SE	1	10	10	—
23	80	76	58.6	58.5	56.2	65.4	1.4	1.4	.448	.446	91	91	SE	1	SE	1	10	10	—
24	78	81	65.1	57.2	56.4	71.7	3.9	1.2	.483	.431	78	92	NW	2	SE	1	10	10	03
25	74	60	59.3	63.5	53.6	68.7	2.3	1.9	.432	.519	86	89	W	6	W	6	10	10	03
26	75	29.90	58.8	54.8	53.8	66.7	5.2	2.2	.347	.368	70	86	W	6	W	2	5	5	—
27	99	30.01	60.8	57.5	51.2	67.7	7.2	2.6	.327	.397	61	83	NW	6	W	4	5	10	—
28	98	29.87	58.5	57.5	54.7	62.6	4.2	3.3	.368	.378	75	79	NW	6	NW	6	10	10	—
29	83	29.89	67.0	63.3	57.0	74.6	7.2	5.5	.419	.406	63	70	W	6	W	5	5	10	—
30	30.02	30.16	69.3	68.5	55.0	81.5	8.4	6.7	.423	.458	59	65	W	6	NW	2	5	10	—
31	30.25	30.18	69.7	66.5	56.0	77.7	5.1	4.1	.531	.502	73	77	SW	1	SW	1	5	10	—
Mean	29.826	29.838	62.7	58.7	53.4	68.7	3.8	2.3	.447	.428	78.9	86.5		2.5	2.2	7.7	8.9	2.12	Fine day. Dull from 6p.

GLASGOW.—JULY 1899.

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

1	29°33	29°21	53°9	53°1	50°5	57°1	0°7	0°5	°395	°399	95	96	E	1	NW	1	10	10	°824	Overcast, with 2.
2	°24	°49	55°2	55°5	52°1	59°5	2°0	2°5	°379	°370	87	84	NW	1	W	1	10	10	°110	2 a. 2 showers p.
3	°69	°84	58°1	56°0	52°9	65°5	3°5	3°2	°382	°360	78	80	W	2	NW	2	7	8	—	Dull and cloudy.
4	°90	29°95	58°9	59°0	49°1	67°0	5°5	3°8	°341	°356	68	76	NW	2	W	2	7	2	—	Fine and clear.
5	29°59	30°00	62°6	61°5	52°9	72°0	4°6	2°7	°419	°458	74	84	W	1	W	1	10	4	—	Dull a. Fine p.
6	30°01	30°02	63°9	60°7	53°6	71°3	4°4	2°5	°448	°449	75	85	Calm	0	SW	1	9	2	—	Dull a. Fine and clear p.
7	30°00	29°97	62°9	60°9	58°9	69°1	2°6	0°9	°485	°504	85	95	SW	2	W	1	10	10	°100	Dull and overcast. 2 p.
8	29°93	°89	59°7	55°3	55°3	64°6	5°1	3°0	°360	°354	70	81	W	1	SW	1	6	2	—	
9	°71	°63	64°2	59°5	53°4	65°7	4°3	1°4	°455	°463	76	92	SW	3	SW	2	9	10	°090	Dull and overcast. 2 from 5p.
10	°69	°70	58°3	57°5	52°6	66°4	6°2	4°4	°317	°349	65	74	NW	1	SW	1	7	10	°092	2 a. Dull p.
11	°67	°64	54°9	54°9	52°4	58°2	1°5	0°9	°388	°404	91	94	NW	1	E	2	10	10	1°110	Overcast, with 2.
12	°68	°59	56°2	55°9	53°4	59°8	1°1	1°0	°419	°419	93	94	E	2	SW	1	10	10	°140	Overcast, with 2.
13	°66	°69	58°0	58°6	53°5	66°3	4°7	3°0	°350	°402	73	82	SW	1	S	2	6	10	°077	Fine a. Dull p.
14	°71	°79	61°1	58°1	57°1	68°4	3°1	1°8	°438	°429	81	88	SW	2	W	1	10	6	°039	Dull and cloudy. 2 showers.
15	°84	°89	60°5	57°8	55°4	64°0	5°0	2°4	°376	°407	72	84	SW	2	SW	1	9	8	—	Dull and cloudy.
16	°92	°94	62°8	57°2	55°3	69°3	5°8	0°8	°389	°443	68	95	SW	1	SW	1	8	10	°110	Fine a. 2 p.
17	°91	°87	60°6	60°3	56°1	69°8	2°6	5°5	°445	°361	84	69	SW	1	NW	1	10	8	—	Dull and cloudy.
18	°84	°79	60°7	60°4	56°2	69°8	2°7	1°7	°443	°469	84	90	Calm	0	Calm	0	10	10	°392	Dull day. 2 from 7p.
19	°72	°78	58°1	62°7	55°2	68°0	0°8	2°6	°458	°481	94	85	Calm	0	NE	1	10	10	—	2 a. Dull day.
20	°94	°96	56°6	56°0	54°3	63°1	4°9	2°8	°395	°370	71	82	E	2	E	1	10	10	—	Dull and overcast.
21	°92	°93	56°7	58°3	54°1	63°2	2°5	1°6	°387	°438	84	89	E	1	E	1	10	10	—	Dull and overcast.
22	°92	°83	59°9	59°2	56°8	65°4	2°9	2°4	°424	°428	83	86	E	1	E	1	10	10	—	Dull and overcast.
23	°74	°71	58°9	58°9	56°9	61°4	2°0	1°9	°435	°437	87	88	SE	1	Calm	0	10	7	—	Dull and overcast.
24	°79	°86	60°3	54°9	52°8	64°1	4°1	3°6	°397	°334	76	77	NW	1	W	3	9	9	°200	2 showers. Squally p.
25	°77	°62	56°5	62°4	53°4	62°6	1°0	1°0	°487	°528	94	94	SW	2	SW	4	10	10	°266	2 a. and p. Cloudy and squally.
26	29°82	29°95	56°3	52°9	52°5	62°9	4°9	2°2	°322	°341	70	86	W	3	W	2	10	7	°159	Dull and cloudy.
27	30°04	30°09	56°3	54°7	52°0	61°9	3°8	1°9	°349	°374	76	88	W	1	W	2	10	6	—	Dull and squally.
28	30°05	29°97	56°9	56°0	53°9	61°6	2°9	1°6	°378	°402	82	89	W	2	W	3	10	10	°010	Dull and cloudy. 2 to 30p.
29	29°91	29°97	60°1	58°0	56°0	64°1	2°2	2°0	°449	°421	86	87	W	3	W	3	10	9	—	Dull and cloudy.
30	30°08	30°19	61°2	61°3	53°3	70°4	4°9	2°1	°389	°473	73	87	W	1	W	1	7	2	—	Fine and clear.
31	30°23	30°21	61°7	62°9	52°6	75°1	2°3	2°8	°473	°478	86	84	W	1	SW	1	5	8	—	Fine and clear.
Mean	29°824	29°837	59°1	58°0	54°0	65°4	3°4	2°3	°401	°416	80°0	86°0	1°4		1°5	9°0	8°0	3°699		







## HILLINGTON—JULY 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +0.21 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
							Dep. of Wet.		Vapour Tension.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
1	ins.	ins.	60.9	54.9	51.9	67.6	2.5	1.2	454	396	84	92	SW	3	W	3	6	10	ins.	showers. $\mathcal{K}$ 4p.
2	29.39	29.34	54.4	54.7	50.0	57.2	1.4	1.0	378	399	90	93	W	4	SW	3	10	10	24	early a. and g. 4p.
3	29.68	29.71	57.9	56.8	53.8	64.0	2.2	1.1	413	428	86	93	NW	2	N	2	10	10	01	Cloudy day. $\mathcal{K}$ 1p.
4	29.91	30.02	56.6	53.8	53.7	66.5	2.9	1.3	374	377	82	91	N	5	N	2	10	10	—	Overcast with $\mathcal{K}$ . Sunny later.
5	30.10	30.11	62.6	56.0	52.0	69.5	4.6	2.2	419	384	74	86	N	3	NE	1	5	10	—	Very fine and breezy.
6	30.12	30.13	65.3	63.9	50.9	77.1	5.4	2.3	441	371	85	85	NE	0.5	SSE	1	4	10	—	Overcast, then fine.
7	30.13	30.10	62.1	64.9	54.8	79.0	1.6	2.1	501	539	90	87	SE	1	SE	5	10	10	26	Overcast, then fine. $\mathcal{T}$ 5p. $\mathcal{K}$ 10p.
8	30.01	30.01	66.7	62.4	59.7	78.4	2.2	1.7	570	503	87	90	SE	2	SW	0.5	10	3	03	Overcast with $\infty$ . Distant $\mathcal{T}$ 6p.
9	30.00	29.93	68.4	64.8	57.1	77.3	5.8	3.2	482	498	69	82	SW	1	WSW	0.5	10	3	07	Overcast and warm.
10	29.92	29.88	65.2	66.6	58.9	71.9	3.6	2.9	492	545	80	84	WSW	1	SW	0.5	10	10	—	Very fine and hot.
11	29.84	29.80	65.9	66.0	61.0	84.1	1.1	3.3	594	520	94	81	SW	0.5	S	0.5	7	4	—	Overcast and warm.
12	29.69	29.69	67.9	67.9	61.8	86.8	9.0	2.2	611	594	60	87	SE	3	W	0.5	3	8	—	Very fine and hot.
13	29.80	29.80	66.0	60.1	56.8	73.5	1.9	1.5	456	470	88	91	SW	2	W	0.5	10	0	—	Very fine and hot.
14	30.00	29.95	65.0	60.5	46.6	77.1	3.2	1.0	501	492	82	93	SW	3	SW	1	5	0	—	Cloudy and warm.
15	30.04	30.06	64.0	55.9	55.6	73.6	2.3	0.6	512	428	85	96	SW	2	SW	0.5	4	9	—	Fine and warm.
16	30.06	30.06	61.7	61.6	49.9	73.6	4.0	3.9	422	422	77	77	SE	0.5	SE	1	10	10	—	Very fine and warm. Much cir. $\mathcal{D}$ 2
17	30.03	29.99	68.4	61.4	50.5	76.4	6.8	3.4	454	434	65	80	ESE	1	SSE	1	5	7	02	Very fine and hot. Much cir. $\mathcal{T}$ 0.0
18	29.99	29.94	70.1	60.7	51.5	81.2	9.3	4.1	413	403	56	76	S	3	SSE	1	6	10	—	Very fine and hot. [noon. $\mathcal{D}$ 0.0
19	29.87	29.83	72.4	65.1	59.0	82.7	7.6	4.3	501	470	62	76	S	2	S	0.5	7	3	—	Sunny and very hot.
20	29.88	29.80	77.4	61.1	61.0	83.5	8.4	0.6	580	518	61	96	E	2	E	3	2	7	—	Very fine and hot. $\mathcal{D}$ 2
21	29.91	29.85	67.5	61.5	60.9	78.1	2.9	0.9	562	514	84	94	ENE	2	ENE	3	10	10	—	Overcast, then fine.
22	29.92	29.81	66.7	61.5	60.4	68.5	3.4	1.8	511	483	81	89	ESE	2	E	2	10	10	39	6a. and 10a. Gloomy all day.
23	29.70	29.68	60.0	58.7	57.6	62.3	0.1	0.2	514	487	99	99	NNE	0.5	N	1	10	10	42	$\mathcal{K}$ 6a.-noon. $\mathcal{D}$ 8a.
24	29.80	29.93	63.2	57.0	57.0	70.4	2.7	0.5	485	449	93	97	NE	3	NE	1	8	2	—	Cloudy, then fine. $\mathcal{D}$ p.
25	30.02	30.02	62.3	67.0	50.9	77.4	4.1	2.4	428	570	77	86	N	2	WNW	0.5	2	10	—	Very fine, sunny, and hot.
26	30.00	30.00	66.4	64.0	60.0	75.5	2.8	2.4	584	511	84	85	NW	4	NW	2	8	10	—	Cloudy day. $\mathcal{K}$ p.
27	30.17	30.17	63.3	60.4	50.0	71.2	2.5	3.4	494	358	84	79	NW	4	NW	1	2	9	—	Very fine and breezy.
28	30.21	30.14	63.6	61.0	47.2	74.5	5.0	5.3	424	374	72	70	NW	3	NW	6	0	6	—	Very fine and warm.
29	30.05	30.05	66.9	63.9	49.9	75.5	6.3	3.3	443	479	67	80	NW	3	NW	1	1	7	—	Very fine and warm. $\mathcal{D}$ 0 p.
30	30.12	30.12	69.6	68.0	54.7	77.2	7.1	1.3	465	441	65	91	N	1	NE	2	5	0	—	Very fine. $\mathcal{D}$ 2
31	30.37	30.37	69.8	62.2	48.9	80.7	8.1	3.6	439	441	61	79	NE	2	SE	0.5	0	1	—	Very fine and hot. $\mathcal{D}$
Mean	29.942	29.946	65.3	61.0	54.7	74.6	4.2	2.2	481	466	77.4	86.6	2.2	1.5	6.2	6.7	1.76			

## CHURCHSTOKE.—JULY 1899.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.  
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +0.18 in.

1	28.89	28.93	56.5	50.9	50.0	63.1	2.1	0.9	396	349	87	94	WSW 3	SW 2	8	10	270	showers.
2	28.99	29.11	50.9	54.8	49.0	57.3	1.7	3.6	329	331	88	77	W 3	W 3	10	10	030	Squally.
3	29.21	29.21	53.9	54.8	52.2	60.3	8.0	3.4	304	325	81	78	NW 3	WNW 3	10	5	—	Breezy and cool.
4	56	62	58.0	52.1	52.0	65.5	4.2	2.1	361	334	75	85	W 2	W 2	9	2	—	Bright p.
5	66	66	65.4	60.2	46.3	71.9	4.7	1.7	464	465	74	90	NW 1	NW 2	9	8	—	Bright and hot.
6	66	70	66.4	59.5	51.0	72.8	4.3	1.6	494	457	77	90	W 1	W 1	1	5	—	T
7	69	68	67.0	56.1	48.4	75.4	5.1	1.9	479	396	72	87	W 2	W 1	5	3	—	showers.
8	59	59	67.2	52.7	49.6	70.5	4.8	1.3	492	362	74	91	W 2	W 1	8	2	—	Dull, with ☉.
9	52	45	64.2	59.8	50.5	71.3	3.3	3.6	483	403	81	78	W 1	WSW 2	10	10	060	Dull and close.
10	38	39	62.1	59.8	57.2	71.1	3.0	1.9	457	453	82	89	SW 3	SW 1	10	8	110	☉ showers early a.
11	29	29	65.6	61.2	58.8	73.4	2.1	0.9	552	509	88	93	WSW 1	W 1	10	10	240	Cloudy and breezy.
12	29	27	62.1	57.2	55.9	69.3	1.0	2.0	522	409	94	87	SE 1	W 2	10	10	—	Fine and bright.
13	38	44	61.9	59.0	45.9	70.9	5.0	3.0	397	407	72	82	WNW 2	SW 2	6	10	—	Fine and bright. Distant T.
14	45	50	63.0	56.4	56.2	70.8	4.1	2.6	439	379	76	83	SW 2	W 2	8	6	—	Very hot.
15	57	61	62.8	52.4	47.4	68.9	7.8	1.4	339	356	59	90	W 2	NW 1	8	5	—	Close and still.
16	61	64	63.2	53.7	43.9	72.0	4.8	2.7	422	339	73	82	WNW 1	NW 1	5	4	—	☉ Bright, breezy and hot.
17	58	53	63.5	56.4	48.5	75.0	5.5	2.4	407	400	70	84	NW 1	NW 1	1	5	—	Dull and close, with ∞.
18	49	43	70.0	62.0	48.6	76.9	5.1	1.6	535	500	74	80	NE 1	W 1	5	10	010	Cloudy, with ∞. Steady ☉ p.
19	38	38	69.8	64.0	58.4	77.4	6.1	2.6	500	503	68	84	W 1	NW 1	8	4	—	Cloudy and breezy.
20	40	44	70.2	60.5	54.4	78.9	5.4	1.7	529	470	72	89	NW 2	NW 1	8	9	—	Bright, breezy and hot.
21	47	49	61.0	60.0	59.0	71.0	1.6	1.1	482	480	90	93	ENE 1	E 1	10	10	—	Dull and close, with ∞.
22	46	33	61.5	59.5	58.2	64.4	2.1	1.1	475	472	87	92	NE 2	ESE 1	10	10	085	Cloudy, with ∞. Steady ☉ p.
23	27	31	59.4	57.8	57.0	62.0	1.5	1.8	459	444	90	88	N 2	NW 1	10	10	—	Cloudy and breezy.
24	41	56	65.5	50.7	50.4	70.5	5.6	0.7	437	353	70	95	NW 2	NW 1	8	6	—	Bright, breezy and hot.
25	58	61.5	63.4	45.4	45.4	72.1	5.5	2.3	377	501	69	86	WNW 2	SW 2	8	8	—	Bright, breezy and hot.
26	59	66	66.2	59.0	58.9	69.8	4.1	1.6	496	449	78	89	W 2	W 1	8	8	010	Bright, breezy and hot.
27	76	81	60.5	56.3	44.2	67.9	6.7	3.3	334	360	62	80	NW 2	W 2	6	8	—	Bright, breezy and hot.
28	77	75	64.0	53.9	48.2	71.1	7.0	2.9	377	336	63	80	NW 2	W 1	8	2	—	Bright, breezy and hot.
29	66	67	67.5	63.2	45.0	73.9	5.6	3.4	472	464	70	80	NW 2	W 2	4	10	—	Bright, breezy and hot.
30	72	82	68.0	56.4	55.6	78.1	7.6	1.2	424	419	62	92	NW 2	NW 1	0	0	—	Bright, breezy and hot.
31	29.86	29.84	66.2	59.5	55.6	81.7	3.3	2.4	524	431	81	85	NE 1	NW 1	4	0	—	Bright, breezy and hot.
Mean	29.488	29.513	63.5	57.5	51.5	70.8	4.3	2.1	446	414	76.1	86.5	1.8	1.5	7.3	6.7	0.815	

## CAMBRIDGE.—JULY 1899.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 9½ inches.  
Long. 0° 6' E. Lat. 52° 13' N. Gravity Correction, +0.19 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.	Vapour Tension.	Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			9 p.m.	9 a.m.
	ins.	ins.	°	°	°	°		in.	in.	%	%					ins.		
1	29.41	29.41	62.3	57.9	51.2	66.8	3.8	3.3	.438	.385	78	84	SSW 3	SW 4	10	10	.333	☀ noon.
2	.45	.58	56.8	54.8	51.2	61.3	3.8	0.6	.354	.409	76	94	WSW 4	SW 3	10	10	.099	☀ before 9 a.
3	.73	29.87	57.2	56.8	53.4	64.1	0.9	1.8	.440	.408	94	88	WSW 4	NW 2	10	10	.091	Gloomy, with ☀ showers.
4	29.97	30.06	61.2	58.7	53.9	68.3	4.4	2.0	.403	.432	75	87	NNW 4	Calu 0	10	10	—	
5	30.14	.13	63.4	65.1	49.2	74.7	4.5	3.1	.436	.509	75	82	NNW 2	Calu 0	0	10	—	Fine day.
6	.15	.15	63.9	66.7	54.3	76.7	3.9	3.1	.462	.540	77	82	Calu 0	Calu 0	10	10	—	Overcast most of day.
7	.17	.13	67.5	68.3	53.8	79.5	3.5	2.1	.541	.608	80	87	N 2	Calu 0	0	10	—	☀ a. Fine day.
8	.10	30.05	68.0	66.3	57.2	78.1	4.2	4.5	.527	.487	77	75	NW 1	Calu 0	0	10	—	☀ a. Fine p.
9	30.04	29.97	68.1	66.4	57.0	78.9	5.7	3.7	.481	.514	70	80	WSW 2	Calu 0	2	4	—	☀ a. Fine day.
10	29.96	.93	65.4	64.5	58.0	72.9	4.1	2.5	.482	.517	78	85	SSW 1	SW 1	10	8	.153	Overcast most of day.
11	.86	.78	67.7	70.7	60.1	84.7	2.4	5.4	.590	.541	86	72	SSE 1	SE 1	5	1	—	
12	.68	.74	77.9	64.4	61.8	85.2	7.7	3.5	.614	.483	64	80	SE 1	SSW 1	4	7	.007	Fine a. ☀ showers p.
13	29.86	29.95	59.0	60.9	56.0	73.0	1.7	3.6	.445	.420	90	79	W 2	Calu 0	10	0	—	
14	30.01	30.01	63.9	61.7	49.3	75.9	5.5	2.3	.416	.473	69	86	SSW 3	SSW 1	10	0	—	
15	.08	.10	65.5	60.4	54.6	72.1	9.1	3.4	.347	.418	56	80	WSW 4	Calu 0	0	6	—	Fine day.
16	.13	.09	65.4	64.1	48.1	77.0	4.5	3.9	.470	.466	76	78	Calu 0	Calu 0	0	5	8	Fine day.
17	.07	30.03	68.0	61.4	53.4	77.4	5.6	4.4	.482	.406	70	75	Calu 0	Calu 0	0	3	.020	☀ shower noon.
18	30.02	29.98	69.1	63.0	53.0	82.7	7.6	6.6	.448	.371	62	65	SSW 1	SSE 1	0	2	—	Fine and clear all day.
19	29.91	.85	74.1	69.0	59.8	85.9	9.2	6.4	.488	.432	58	66	SSW 2	Calu 0	10	0	—	Fine day.
20	.89	.90	76.6	69.2	57.8	90.0	9.3	5.3	.532	.512	58	72	Calu 0	Calu 0	0	10	.039	
21	.91	.97	69.1	65.0	58.0	81.4	2.9	1.6	.594	.558	83	90	Calu 0	N 2	4	2	.002	☀ shower 7 a. Fine day.
22	.92	.83	65.7	63.7	59.4	75.7	1.7	1.4	.569	.540	90	92	Calu 0	Calu 0	10	3	.021	☀ showers till 1 p.
23	.73	.74	60.9	58.1	56.9	65.2	0.6	0.3	.515	.474	97	98	Calu 0	NNW 2	10	10	.370	☀ all day.
24	29.84	29.97	64.2	64.4	56.2	71.8	3.9	2.6	.467	.512	78	85	N 4	Calu 0	10	10	—	Fine day.
25	30.08	30.07	64.4	67.3	51.2	77.7	6.8	5.2	.388	.482	63	72	NNW 1	WSW 2	2	7	—	☀. Fine day.
26	.07	.12	69.7	63.9	60.0	79.9	4.7	1.2	.544	.531	74	93	WSW 3	NW 2	10	10	.007	☀ 7 p.-8.30 p.
27	.22	.27	62.7	62.9	32.1	70.7	7.6	4.0	.343	.366	61	76	N 3	NW 2	8	0	—	Fine day.
28	.25	.20	65.1	57.1	48.0	76.1	6.9	6.9	.395	.351	64	63	NW 3	NW 1	1	5	—	Fine day.
29	.13	.11	64.7	67.1	48.1	78.8	6.5	4.9	.402	.488	65	73	WSW 3	W 3	10	7	—	Fine day.
30	.17	.28	69.0	63.3	56.3	81.9	6.6	3.2	.469	.473	66	81	NNW 2	E 1	5	1	—	Fine and clear all day.
31	30.39	30.40	66.0	63.5	50.3	83.1	5.5	3.5	.449	.467	71	79	Calu 0	Calu 0	0	0	—	☀ a. Fine and clear all day.
Mean	29.978	29.989	65.9	63.4	54.5	76.4	5.0	3.4	.469	.472	73.5	80.5	1.8	0.9	6.0	5.6	1.142	



## WOOLACOMBE.—JULY 1899.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 12' W. Lat. 51° 10' N. Gravity Correction, +016 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Tension.								Percentage.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
	ins.	ins.							in.	in.	%	%				ins.	
1	29.52	29.59	57.6	56.8	54.8	60.8	2.6	3.8	.399	.355	84	76	SW	5	W	4	—
2	71	29.80	55.8	57.6	53.8	59.2	4.8	2.8	.316	.393	71	83	W	5	NW	5	10
3	29.95	30.07	57.8	57.4	55.0	60.0	3.2	2.2	.384	.406	81	86	NW	4	NW	3	10
4	30.14	17	57.8	57.2	56.0	61.0	4.0	1.2	.364	.431	76	92	NW	3	W	2	9
5	21	22	60.4	58.4	57.2	62.6	1.5	0.9	.476	.461	91	93	Calm	0	SW	2	10
6	22	25	58.6	56.8	56.2	60.0	0.7	0.8	.470	.437	95	94	SW	2	W	2	10
7	24	23	59.0	56.8	55.4	62.0	0.9	1.6	.470	.413	94	89	SW	1	E	1	10
8	18	14	60.6	60.2	54.2	65.0	2.1	0.7	.461	.498	87	95	SW	2	Calm	0	9
9	30.10	30.00	63.0	61.2	59.2	65.6	3.5	4.4	.457	.403	79	75	SW	3	S	3	10
10	29.93	29.90	62.8	62.6	59.0	65.4	0.7	2.3	.546	.487	95	85	S	3	SE	1	10
11	78	73	63.6	61.8	60.8	69.6	1.5	1.1	.533	.512	91	93	SE	3	SE	2	10
12	69	84	62.2	58.8	58.6	65.2	1.1	4.0	.522	.377	93	76	NE	2	NW	2	6
13	93	29.95	60.2	60.2	58.0	65.4	3.6	3.6	.410	.410	78	78	SW	3	S	3	10
14	29.97	30.05	61.0	59.8	58.4	66.2	3.1	1.7	.436	.459	82	90	S	3	SW	2	8
15	30.11	13	63.0	58.0	55.6	65.2	3.9	3.2	.444	.386	77	81	SW	2	E	1	4
16	16	14	62.6	58.6	53.2	66.0	5.5	2.8	.394	.407	70	83	W	1	E	1	2
17	30.06	30.01	63.2	61.2	54.8	68.0	2.5	5.4	.492	.375	84	70	NW	1	N	1	10
18	29.98	29.95	67.4	61.4	57.4	73.4	7.3	1.9	.422	.479	63	88	Calm	0	Calm	0	2
19	89	85	65.6	60.8	59.4	68.8	3.9	1.5	.491	.482	78	91	Calm	0	Calm	0	10
20	80	88	79.1	67.8	58.4	84.0	12.8	4.1	.473	.526	48	77	SE	2	SE	2	4
21	95	96	68.2	65.8	60.4	71.0	4.9	3.1	.507	.522	73	82	Calm	0	Calm	0	5
22	89	80	65.2	68.8	61.6	76.8	2.7	3.9	.524	.554	78	8	E	3	E	3	10
23	79	29.85	63.4	61.8	61.2	68.8	1.3	1.9	.537	.485	92	88	W	1	NW	3	10
24	29.98	30.12	61.8	60.2	58.0	65.8	2.1	2.1	.480	.453	87	87	W	2	N	1	9
25	30.16	20	62.6	62.0	53.4	66.0	3.9	0.9	.437	.524	78	94	SW	2	SW	3	6
26	19	20	63.0	63.0	61.2	65.6	1.1	0.9	.535	.543	94	95	SW	2	SW	3	9
27	31	33	61.6	60.0	58.0	65.8	6.0	5.0	.366	.369	67	71	NW	2	NE	1	1
28	34	30	61.8	59.2	54.0	65.2	5.0	3.4	.396	.400	72	80	NE	1	NW	2	2
29	24	23	61.6	61.4	54.0	66.0	7.4	0.9	.333	.512	61	94	NW	1	Calm	0	1
30	25	28	65.2	63.8	57.0	72.0	3.1	2.9	.509	.489	82	83	NW	2	Calm	0	1
31	30.33	30.32	72.8	67.4	58.6	78.0	7.9	5.5	.500	.473	61	71	E	1	E	1	0
Mean	30.032	30.048	62.9	60.9	57.0	66.9	3.7	2.6	.454	.452	79.6	84.5	2.0	1.7	6.4	5.5	1.17

## SOUTHAMPTON.—JULY 1899.

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

1	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
2	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
3	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
4	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
5	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
6	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
7	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
8	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
9	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
10	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
11	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
12	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
13	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
14	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
15	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
16	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
17	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
18	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
19	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
20	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
21	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
22	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
23	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
24	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
25	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
26	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
27	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
28	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
29	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
30	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
31	29.48	29.55	61.0	56.8	56.4	63.4	2.6	3.2	4.51	3.70	84	80	WSW	3	SW	4
Mean	30.008	30.012	62.9	64.9	57.2	77.0	7.0	4.0	4.76	4.79	65.7	77.6	2.7	2.0	4.7	4.9

## PLYMOUTH.—JULY 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +015 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.								Percentage.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
	ins.	ins.						in.	in.	%	%					ins.		
1	29.52	29.59	60.5	55.6	46.1	61.8	0.8	2.8	.500	.365	95	82	WNW	SW	7	4	—	Fine day.
2	.62	29.77	57.8	55.3	52.7	61.4	1.0	1.5	.449	.394	94	90	NW	WNW	6	10	.045	Fine day. ●° shower.
3	29.91	30.03	55.1	56.5	53.9	61.0	1.8	2.3	.382	.377	88	85	WNW	NW	10	5	—	Dull a. Fine and sunny p.
4	30.08	.14	60.1	56.3	54.5	63.0	5.3	2.5	.363	.382	70	84	NNW	NNW	9	2	—	Fine and sunny.
5	.16	.18	59.6	60.6	55.2	67.7	0.3	0.9	.501	.499	98	94	SE	NNW	10	10	—	☼ a. Overcast, with ☼☼☼ (mist).
6	.13	.18	65.6	58.3	57.8	71.0	2.9	0.7	.526	.465	84	95	N	N	3	5	—	Fine day.
7	.16	.17	65.8	61.1	53.2	74.0	2.5	3.0	.543	.441	86	82	NW	NW	3	0	—	Fine day.
8	.13	30.11	66.1	62.0	53.5	72.0	4.6	2.3	.479	.478	75	86	NNW	NNW	7	2	—	Fine day.
9	30.06	29.99	65.0	60.5	54.9	66.4	2.7	0.8	.520	.500	85	95	SW	S	1	6	.040	Fine day.
10	29.91	.90	60.2	59.9	59.5	60.5	0.2	0.4	.515	.503	99	98	SSW	SW	10	10	.240	☼☼☼. Dull, with ●° all day.
11	.79	.71	58.7	59.4	58.4	60.0	0.0	0.2	.495	.498	100	98	S	ESE	10	10	.410	☼☼ a. Overcast all day. ●°
12	.63	.78	62.2	60.6	57.7	66.1	2.5	2.2	.475	.458	85	86	SSE	NNW	9	5	—	Cloudy and unsettled.
13	.89	29.94	62.6	58.4	53.7	63.8	5.8	0.1	.387	.486	69	100	SW	SW	4	10	.080	Bright sunshine till 4p., then ●°.
14	29.93	30.02	62.6	58.5	58.4	65.3	1.9	1.5	.502	.443	88	90	SSW	SW	10	1	.010	Fine day.
15	30.06	.11	62.8	59.3	54.7	66.8	1.1	1.4	.500	.460	87	91	S	NW	10	0	—	Cloudy a. Bright and sunny p.
16	.10	30.11	65.5	60.8	48.7	67.8	6.1	1.9	.474	.471	68	88	SSE	SW	1	3	—	Fine day.
17	30.01	29.98	69.8	62.7	52.3	71.9	7.1	2.2	.468	.495	65	87	W	Calm	9	3	—	Fine, and very warm.
18	29.92	.92	70.0	62.6	57.7	70.4	6.3	1.7	.498	.509	68	89	SSW	S	3	2	—	Brilliant sunshine all day.
19	.81	.77	70.3	69.0	54.7	72.5	4.6	7.6	.561	.435	76	61	SSW	S	3	3	—	Brilliant sunshine all day.
20	.73	.82	72.5	63.9	55.1	79.5	8.3	0.8	.483	.564	60	95	ENE	SE	6	7	—	Overcast a. Fine day.
21	.89	.90	66.0	66.2	62.9	66.8	1.4	0.8	.586	.613	92	95	S	NW	9	7	.015	—
22	.78	.77	74.2	68.1	64.2	76.9	0.0	4.1	.842	.532	99	77	ENE	N	4	10	.495	Cloudy a. Fine afternoon. ☼° n.
23	.73	29.78	65.1	62.3	60.6	71.6	1.9	0.6	.549	.541	88	96	N	NW	10	6	—	Cloudy a. Fine p.
24	29.88	30.06	66.7	57.6	55.2	68.8	4.0	0.8	.510	.451	78	95	N	NNW	4	2	—	Dull early a. Sunny day.
25	30.08	.18	65.2	61.4	53.5	72.2	2.5	1.7	.531	.487	86	90	SSW	WNW	5	6	—	Fine day. Cloudy n.
26	.14	.18	64.1	63.6	59.4	73.0	0.4	0.1	.583	.588	97	99	WSW	WNW	10	10	—	Dull and overcast.
27	.24	.25	62.9	59.3	59.3	71.0	0.8	0.8	.544	.480	95	95	N	N	2	1	—	Beautifully fine and sunny.
28	.24	.24	68.0	57.9	53.2	68.8	3.8	0.8	.541	.454	79	94	S	N	2	1	—	Beautifully fine and sunny.
29	.20	.16	65.6	63.6	53.1	74.1	2.9	0.8	.526	.560	84	95	NNW	N	2	2	—	Beautifully fine and sunny.
30	.17	.22	71.0	66.2	56.7	73.0	3.2	0.5	.626	.551	82	86	N	NNW	0	0	—	Beautifully fine and sunny.
31	30.24	30.29	72.0	65.7	61.6	77.2	3.1	1.3	.675	.584	83	92	E	NNE	0	2	—	Beautifully fine and sunny.
Mean	29.972	30.007	65.0	61.0	55.9	69.0	2.9	1.7	.519	.486	84.0	90.0	—	—	5.8	4.7	1.335	—



MARKREE CASTLE.—JULY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours, beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	29.33	29.47	52.2	53.9	51.8	58.1	0.1	0	.389	.311	99	75	NW	3	NW	2	10	10	4.3	● n. and a.
2	.48	29.76	53.0	53.2	49.4	56.8	0.3	1.2	.394	.371	98	92	NW	2	NW	3	10	10	.40	● most of day.
3	29.92	30.04	57.0	54.5	50.4	59.3	3.4	2.4	.367	.354	79	83	N	3	Calm	0	9	9	.01	
4	30.04	.02	56.3	59.3	50.5	68.5	1.8	0.4	.401	.493	88	97	S	1	Calm	0	10	9	.22	Overcast all day.
5	.03	.08	63.0	57.0	52.5	68.5	2.5	0.8	.490	.440	85	94	S	1	Calm	0	8	9	—	Fine day.
6	.06	.08	65.0	62.4	52.9	73.0	3.0	1.4	.510	.514	83	92	NW	1	SW	1	10	10	.02	● 2 shower in afternoon.
7	.04	30.08	63.0	54.1	54.0	67.8	2	1.1	.480	.387	83	92	S	2	SW	0.5	10	9	.01	
8	30.03	29.86	61.3	61.0	51.5	67.7	5.3	2.0	.380	.470	70	88	SW	0.5	S	0.5	8	10	.05	● 0 showers.
9	29.70	.73	60.0	55.2	54.5	62.8	1.5	1.8	.469	.384	91	88	S	1	N	2	10	9	.16	
10	.78	.76	58.0	53.9	46.0	61.1	4.8	0.9	.347	.389	72	94	N	0.5	Calm	0	9	10	.32	
11	.68	.74	54.6	53.9	51.4	58.7	2.1	2.3	.367	.351	87	85	NNW	1	N	1	10	9	.01	Overcast all day.
12	.73	.73	57.0	51.8	51.7	61.5	5.0	1.8	.387	.338	70	87	NNW	2	Calm	0	8	4	—	Fine day.
13	.66	.66	57.8	57.1	40.1	67.7	4.8	1.9	.344	.410	72	87	SSE	3	Calm	0	10	7	.03	
14	.74	.84	60.0	55.2	55.1	65.6	4.0	2.2	.395	.373	76	86	SW	0.5	Calm	0	10	9	.03	
15	.88	.95	58.8	53.0	52.4	65.2	2.2	1.8	.428	.352	87	87	S	1	Calm	0	9	8	.02	
16	.96	.98	60.3	57.1	50.5	67.5	3.3	1.1	.419	.433	80	92	S	2	SSW	0.5	9	8	.13	● showers during day.
17	.93	.91	63.1	57.3	52.7	72.6	3.3	1.1	.467	.436	80	92	S	1	N	0.5	9	10	—	Cloudy a. Fine p.
18	.86	.75	63.0	59.3	56.8	65.5	2.0	0.3	.506	.495	88	98	SE	1	SE	1	10	10	.02	Overcast, with ●.
19	.74	.82	62.8	60.0	58.4	66.3	1.5	1.2	.520	.479	91	93	Calm	0	NE	2	10	10	.20	● showers during day.
20	.91	.89	62.2	59.8	55.5	66.8	4.3	1.7	.422	.459	76	90	NE	2	ENE	1	9	10	—	
21	.88	.90	64.3	62.0	58.1	68.8	3.3	2.0	.488	.487	81	88	E	2	E	0.5	8	10	—	
22	.88	.80	66.7	63.5	59.3	75.5	3.8	1.8	.517	.523	79	89	SE	1	ESE	0.5	10	10	—	
23	.76	.83	60.8	56.7	55.9	66.2	1.1	2.6	.496	.384	93	84	SW	0.5	N	2	10	2	.05	
24	.94	.97	58.8	54.4	52.7	62.2	5.1	2.6	.350	.351	71	83	NNW	3	SSE	1	9	7	.03	Cool morning. Fine day.
25	.88	29.84	62.7	62.7	52.8	67.8	1.0	0.9	.535	.539	94	95	S	2	SSW	4	10	10	.07	● p.
26	29.99	30.14	60.2	55.3	54.8	63.6	1.5	2.5	.472	.367	91	84	NNW	2	S	0.5	8	9	—	
27	30.22	.25	56.3	53.4	53.1	62.4	2.6	1.7	.379	.361	83	89	SSW	0.5	W	0.5	10	8	—	
28	.22	.17	60.9	58.4	41.3	67.8	4.2	2.6	.404	.410	76	84	N	1	SSW	1	7	10	—	
29	.12	.15	62.7	59.0	57.5	68.3	2.7	0.5	.478	.484	84	84	N	1	NW	1	10	10	.02	Dull and overcast.
30	.20	.26	62.3	57.0	56.8	67.6	1.7	0.2	.593	.439	90	99	NNW	1	N	2	10	10	.01	⚡ (mist) p. ⚡ 8p.-10p.
31	30.28	30.23	62.5	53.9	78.5	0.5	1.3	.548	.516	97	92	SSE	0.5	Calm	0	9	6	—	—	
Mean	29.898	29.925	60.2	57.2	52.7	66.1	2.8	1.6	.438	.423	83.7	89.5			1.4	0.9	9.3	8.7	2.01	

DUBLIN (PHŒNIX PARK).—JULY 1899.

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

1	29°25	29°45	58°2	53°2	52°2	61°2	2°6	3°8	°407	°306	84	75	W	1	WNW	1	9	8	°090	Cloudy, with ☉ showers.
2	°47	29°72	52°1	55°0	47°9	59°7	1°4	1°7	°352	°383	90	89	W	2	W	1	9	8	°040	Dull day. ☉ noon. ☉ 5p.
3	29°80	30°02	50°4	54°8	51°9	61°5	3°6	2°2	°355	°368	78	86	WNW	1	Caln	0	8	8	°025	Cloudy day. ☉ showers 11a.-4p.
4	30°06	°05	58°7	59°2	52°5	61°8	5°4	1°4	°342	°458	60	92	NW	1	Caln	0	7	8	—	Cloudy day.
5	°08	°10	62°5	61°4	58°5	72°8	1°8	3°0	°503	°446	89	82	Caln	0	Caln	0	9	4	°005	Cloudy a. ☉ 9a. Bright p.
6	°11	°13	65°6	61°9	57°7	72°4	3°9	0°7	°492	°529	79	96	Caln	0	Caln	0	8	5	°365	Cloudy, with ☉ showers. ☉
7	°12	30°08	64°6	59°8	58°8	70°5	3°3	1°1	°494	°479	82	93	Caln	0	Caln	0	8	4	°005	Dull a. Cloudy p. ☉ 7p. [6p.-7p.]
8	30°06	29°04	60°0	63°2	54°4	67°8	5°8	4°0	°349	°447	67	77	Caln	0	Caln	0	2	8	—	Bright a. Cloudy p.
9	29°83	°74	63°5	60°9	59°7	66°8	4°1	2°0	°449	°469	76	88	SW	2	N	1	9	9	°045	Dull day. ☉ 6p.-11p.
10	°79	°77	59°5	57°5	53°6	66°7	5°1	2°1	°359	°411	70	86	Caln	0	Caln	0	8	10	°225	☉ a. and p. Cloudy day.
11	°61	°70	56°7	54°0	53°4	58°3	0°3	0°6	°450	°400	98	96	N	1	Caln	0	10	10	°1305	☉ all day.
12	°70	°75	54°6	52°2	50°7	61°6	2°3	1°6	°361	°348	85	89	NW	1	Caln	0	10	2	—	☉ till 4a. Cloudy day.
13	°75	°74	60°7	58°4	44°9	65°6	7°6	2°0	°316	°427	59	87	SW	2	Caln	0	2	4	—	Bright a. Cloudy p.
14	°79	°90	63°6	58°0	54°4	68°3	5°3	2°4	°416	°410	71	85	SW	1	Caln	0	7	8	—	Cloudy day.
15	29°95	29°99	61°4	56°7	53°6	67°6	5°8	2°0	°369	°401	68	87	SW	1	Caln	0	7	4	°010	Cloudy day. ☉ showers p.
16	30°02	30°03	61°7	59°0	49°3	70°8	4°9	1°1	°397	°464	72	93	Caln	0	Caln	0	6	8	°120	Fine day. ☉ p.
17	29°06	29°94	63°7	60°9	54°1	72°1	3°9	1°4	°460	°488	77	92	Caln	0	Caln	0	2	4	—	Fine day. ☉ 5p.
18	°89	°81	65°1	58°4	55°9	70°1	5°8	1°0	°426	°477	70	94	Caln	0	Caln	0	5	10	°385	Cloudy a. Dull p. ☉ p.
19	°76	°82	63°2	61°5	57°4	67°4	1°7	1°0	°523	°512	90	94	Caln	0	Caln	0	9	5	—	Dull a. Cloudy p.
20	°87	°89	60°9	59°6	57°7	64°5	1°4	0°5	°488	°495	92	97	NE	1	NE	1	10	10	°315	Dull day. ☉ 2p.-9p.
21	°88	°91	60°5	59°6	57°9	67°2	1°4	0°5	°480	°495	92	97	NE	1	Caln	0	10	10	—	Dull till 4p. ☉ n.
22	°90	°83	61°1	60°0	56°2	66°8	1°2	1°8	°499	°459	92	89	ENE	1	Caln	0	10	10	—	Fine day.
23	°77	°82	62°3	60°9	57°5	67°3	3°9	1°1	°435	°497	77	94	Caln	0	Caln	0	7	8	°170	Cloudy day. ☉ 2 p.
24	°93	30°01	60°8	53°6	50°1	65°4	4°2	1°6	°402	°366	77	89	NW	1	Caln	0	7	4	—	Fine day.
25	29°06	29°90	60°9	66°7	51°3	71°2	2°7	2°9	°446	°547	84	83	WSW	2	SW	2	9	6	°015	Cloudy day.
26	30°00	30°14	62°5	56°1	55°9	67°1	4°0	2°9	°419	°369	77	81	W	1	Caln	0	9	4	—	Fine day.
27	°25	°27	59°7	58°3	47°6	63°6	5°4	3°3	°355	°389	69	79	W	1	Caln	0	8	9	—	Fine day.
28	°25	°19	58°4	57°6	48°2	68°0	4°0	3°1	°372	°385	76	81	W	1	W	1	7	2	—	Fine and bright.
29	°13	°15	64°0	65°4	53°2	73°1	3°5	3°4	°477	°504	80	81	W	1	Caln	0	7	9	—	Fine and bright.
30	°20	°25	65°1	59°3	55°9	70°5	3°6	1°2	°493	°466	80	93	W	1	Caln	0	6	5	—	Fine day.
31	30°31	30°28	58°2	56°8	54°6	68°4	0°5	0°5	°470	°447	97	96	Caln	0	Caln	0	10	2	—	☉ early a. Dull a. Bright p.
Mean	29°20	29°45	60°8	58°7	53°8	67°0	3°6	1°9	°424	°439	79°6	88°4	0°8		0°2		7°6	6°6	3°120	

PARSONSTOWN.—JULY 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.		9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	29°34	29°48	55°2	52°5	51°7	69°0	2°8	3°4	357	307	82	78	SW	3	SW	2	10	10	°020	Overcast and squally, with ☉.
2	°57	29°75	54°2	53°7	46°8	58°0	3°5	2°3	395	349	77	85	W	3	W	3	10	10	—	Cloudy and squally.
3	29°50	30°02	55°7	54°9	48°8	65°6	3°7	2°5	343	361	77	84	SW	2	NW	1	10	10	—	Cloudy day.
4	30°04	°01	56°7	60°0	46°6	65°6	2°9	1°0	376	485	82	94	SW	1	SW	1	10	10	°072	Cloudy day.
5	°04	°07	61°8	62°0	57°9	66°8	1°4	2°0	504	487	91	88	SW	1	SW	1	10	10	°100	☉ <sup>0</sup> a. Cloudy day.
6	°07	°09	63°5	63°8	58°8	72°2	2°3	2°3	506	512	86	87	SW	1	SW	1	10	9	°169	☉ <sup>2</sup> 7a. Cloudy day, with ☉ <sup>0</sup> .
7	°08	30°06	64°0	55°7	55°7	68°3	3°0	1°0	492	476	82	94	SW	1	SW	1	10	9	—	Cloudy day.
8	30°04	29°95	62°3	63°5	49°4	66°9	7°1	3°6	349	465	62	79	SE	1	S	1	4	10	—	Fine day.
9	29°76	°70	63°6	61°0	59°5	66°0	4°5	1°2	439	496	75	93	S	2	W	1	10	10	°282	Dull and squally. ☉ n.
10	°77	°73	60°7	56°2	51°6	62°8	5°8	1°4	360	410	68	91	SW	1	SE	1	8	10	°610	Cloudy day, with ☉ <sup>0</sup> , ☉ n.
11	°61	°68	56°6	54°0	52°0	61°2	1°1	1°0	426	388	93	93	NW	1	NW	1	10	10	°372	☉ a. Overcast day. ☉ <sup>0</sup>
12	°71	°77	56°7	55°7	50°6	60°7	3°0	2°6	373	371	81	84	NW	1	SW	1	10	10	—	Cloudy day.
13	°69	°68	60°9	61°7	48°9	68°9	6°0	4°8	358	399	67	73	SE	1	SE	1	9	10	°015	☉ <sup>0</sup> a. Cloudy day.
14	°76	°86	60°6	57°6	53°0	65°7	4°4	3°7	394	369	75	78	SE	1	SW	1	10	10	—	Fine day.
15	°90	°96	61°2	55°7	50°0	67°6	5°0	2°9	386	364	72	82	SW	1	SW	1	9	6	°026	Fine day.
16	°98	°98	61°0	60°7	50°9	70°0	4°1	1°7	407	474	77	90	S	1	NW	1	7	10	°122	Fine day. ☉ <sup>2</sup> 6p.
17	°93	°90	64°7	60°7	60°3	67°6	3°3	1°5	463	481	76	91	SE	1	SW	1	9	10	°025	Cloudy day, with ☉ <sup>0</sup> showers.
18	°85	°75	62°7	60°2	58°9	65°6	3°8	0°8	444	495	78	95	SE	1	S	1	10	10	°465	Dull and overcast, with ☉.
19	°72	°75	64°7	64°7	60°2	70°6	2°0	1°0	539	574	88	94	SE	1	NW	1	10	10	°669	☉ a. Cloudy day. ☉ <sup>2</sup> 4p.-6p.
20	°82	°81	62°2	61°0	60°0	66°7	2°3	1°1	481	500	86	93	NW	1	SE	1	10	10	°352	Dull and cloudy.
21	°82	°85	59°9	62°6	59°0	67°3	0°9	1°5	486	516	95	91	SE	1	NW	1	10	7	°114	☉ <sup>2</sup> 7a. Cloudy, with ☉ showers.
22	°85	°78	64°7	62°8	58°5	73°2	1°8	2°9	546	474	89	83	N	1	SE	1	6	10	—	☉ <sup>0</sup> a. Fine day.
23	°75	29°83	62°2	60°7	53°7	69°5	2°3	3°6	481	457	86	79	NW	1	NW	1	10	10	—	Cloudy day.
24	°94	30°00	59°5	54°7	50°0	63°0	4°0	2°7	388	352	76	82	NW	1	SW	1	10	4	—	Cloudy day. ☉ p.
25	29°95	29°91	61°7	63°7	51°3	68°3	1°5	3°7	499	465	91	78	W	1	W	3	10	10	°010	Overcast and squally.
26	30°00	30°13	61°0	55°7	54°8	66°2	3°0	2°6	439	371	82	84	SW	1	NW	1	10	8	—	Cloudy day.
27	°22	°26	59°7	57°7	48°0	62°5	4°3	3°3	383	381	74	79	SW	1	SW	1	10	10	—	Overcast all day.
28	°24	°21	60°9	54°8	47°0	65°7	5°2	2°9	377	350	71	81	SW	1	SW	1	6	2	—	Fine and bright. ☉ p.
29	°13	°14	64°5	62°7	51°4	71°9	3°6	2°3	482	491	80	86	SW	1	SW	1	10	10	—	Fine and bright.
30	°18	°21	65°7	63°7	59°8	75°7	3°3	2°6	514	499	81	85	SW	1	N	1	9	0	—	Fine day. ☉ p.
31	30°26	30°22	67°7	69°0	51°8	79°6	2°9	3°5	567	569	83	81	N	1	SE	1	2	3	—	☉ <sup>0</sup> (mist) a. Fine and bright. ☉ p.
Mean	29°900	29°920	61°2	59°5	53°4	67°5	3°4	2°4	435	438	80°1	85°6	1°2		1°2	8°9	8°6	3°423		

DEERNESS.—AUGUST 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long.  $2^{\circ} 45' W.$  Lat.  $58^{\circ} 56' N.$  Gravity Correction,  $+0.036$  in.

1	29°'97	29°'96	62°'1	57°'8	54°'8	65°'1	4°'4	0°'4	'448	'466	76	97	SW	5	WbyS 3	4	10	—	Fine day. ☼ p.	
2	30°'02	30°'07	55°'0	51°'8	51°'5	60°'0	2°'0	0°'8	'375	'364	87	94	NW	2	Calm	0	10	8	—	Very fine.
3	29°'97	29°'97	54°'2	51°'2	49°'5	56°'5	3°'2	1°'7	'332	'333	79	89	E	1	SE	1	10	7	—	Very fine.
4	29°'93	29°'92	57°'0	53°'0	50°'2	58°'6	0°'3	0°'0	'456	'493	98	100	SE	1	SE	1	9	3	—	Fine day. ☼ p.
5	'98	30°'01	59°'0	54°'3	51°'4	63°'8	2°'0	1°'0	'436	'393	88	93	SE	3	E	2	9	10	—	☼ a. Very fine.
6	29°'98	29°'95	52°'3	52°'0	56°'3	57°'3	2°'2	0°'7	'334	'369	85	95	ENE	3	NE by E 3	10	1	—	Fine and dry.	
7	30°'01	30°'03	52°'8	52°'8	49°'5	54°'8	2°'5	1°'8	'333	'338	83	87	NE by E 3	8	NE	2	10	10	—	Fine day.
8	'03	'04	53°'0	53°'3	50°'0	55°'5	1°'4	2°'1	'363	'324	90	85	NE	3	NE	1	9	10	—	Very fine and dry.
9	'03	'03	53°'3	50°'0	47°'0	57°'8	3°'0	1°'2	'326	'329	80	92	NNE	1	SSE	1	7	0	—	Very fine.
10	'01	'03	55°'4	52°'0	46°'2	58°'0	1°'4	2°'0	'398	'335	91	86	W by N 2	2	WNW	1	9	10	—	Very fine. ☼ p.
11	'07	'07	58°'2	54°'8	50°'0	63°'0	0°'9	0°'0	'456	'430	94	100	W by N 4	4	WNW	2	10	2	—	☼ a. Very fine.
12	'10	'10	56°'3	54°'2	53°'3	59°'8	1°'2	0°'2	'418	'415	92	99	WNW	4	WNW	1	10	7	—	☼ a. Very fine.
13	'10	30°'03	57°'0	54°'0	51°'5	60°'6	1°'2	0°'0	'428	'418	92	100	SSE	1	SE	2	8	0	—	☼ Very fine.
14	30°'00	29°'85	53°'3	55°'0	51°'0	56°'0	0°'0	0°'0	'408	'433	100	100	S by E	1	SSE	3	10	3	—	☼ till 6p.
15	29°'63	'54	56°'0	53°'8	52°'8	61°'2	0°'0	2°'1	'449	'355	100	85	SSE	3	WSW	6	10	5	—	☼ till noon, then showers.
16	'64	'22	56°'1	54°'8	51°'0	58°'2	1°'1	0°'6	'418	'412	92	95	WSW	4	WNW	5	9	10	—	☼ Squally.
17	'69	'69	52°'5	50°'4	47°'9	60°'6	4°'8	2°'1	'276	'313	71	86	WNW	7	WNW	7	9	7	—	☼ showers.
18	'83	29°'96	53°'7	48°'8	48°'0	53°'8	2°'9	3°'8	'333	'257	81	74	NW	4	NNW	1	9	9	—	☼ showers a.
19	29°'98	30°'02	51°'2	48°'2	48°'2	55°'2	4°'0	1°'6	'279	'297	74	89	NNW	1	E	1	8	1	—	Very fine.
20	30°'03	'06	52°'8	58°'0	46°'8	60°'3	0°'8	1°'0	'377	'451	94	93	S	2	SSW	1	10	9	—	Very fine.
21	'06	'04	63°'7	57°'1	53°'6	69°'6	3°'7	1°'0	'465	'436	79	93	SW	1	SW	1	0	1	—	Very fine.
22	'03	'05	63°'0	58°'7	55°'0	68°'7	4°'2	1°'7	'437	'441	76	90	N	9	WNW	1	9	9	—	Very fine. Much cir. in bands p.
23	30°'08	30°'00	58°'2	55°'0	53°'5	63°'0	0°'2	0°'0	'479	'433	99	100	N	1	SE	5	10	10	—	☼ all day.
24	29°'90	29°'81	54°'4	55°'2	53°'0	56°'0	0°'0	0°'0	'424	'436	100	100	SSE	5	SSE	6	10	10	—	☼ all day.
25	'78	'70	55°'0	55°'7	53°'8	57°'4	0°'0	0°'5	'433	'429	100	96	SSE	5	SSE	6	10	10	—	☼ all day.
26	'86	'83	59°'6	53°'8	53°'2	64°'6	3°'3	0°'3	'408	'406	80	98	SSW	2	ESE	3	6	10	—	☼ p.
27	'63	'56	57°'2	55°'2	52°'5	57°'6	1°'5	0°'2	'423	'430	90	99	SE	6	SE	5	10	10	—	☼ p.
28	'57	'57	55°'7	53°'8	52°'5	55°'8	0°'7	0°'8	'423	'391	95	94	SE	5	EbyS 2	2	10	10	—	☼ all day.
29	'59	'56	54°'2	53°'2	52°'5	56°'0	0°'2	0°'7	'415	'386	99	96	SE	3	ESE	4	10	10	—	☼ most of day.
30	'46	'42	55°'8	54°'8	52°'8	56°'8	0°'8	0°'0	'422	'439	94	100	EbyS 5	5	ENE	4	10	10	—	☼ till 9p.
31	29°'41	29°'39	56°'0	53°'0	58°'6	1°'0	0°'2	'419	'400	93	99	ENE	2	NE	1	10	10	10	—	☼ from 5p.
Mean	29°'879	29°'853	55°'9	53°'6	51°'2	59°'3	1°'8	0°'9	'399	'389	88°'8	93°'7	3°'2		2°'6	8°'9	7°'2	1°'44		



## DUNROBIN CASTLE.—AUGUST 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.	Percentage.		9 a.m.	9 p.m.	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.	67.8	64.0	56.0	77.0	7.6	4.0	in.	in.	%	%					ins.
2	30.19	30.20	67.8	64.0	56.0	77.0	7.6	4.0	42.1	46.1	62	77	S	W	—	—	Fine day.
3	23	12	56.8	55.0	55.0	64.8	1.0	1.0	43.2	40.3	94	93	SE	W	—	—	Dull day.
4	19	10	56.0	55.0	52.0	57.0	3.0	2.0	36.5	37.5	81	87	E	E	—	—	Dull a. Fine p.
5	18	07	57.0	56.0	55.0	63.0	1.2	2.0	42.8	39.1	92	87	SE	E	—	—	Dull day.
6	10	12	57.0	55.0	48.0	61.2	2.0	1.0	40.5	40.3	87	93	SE	E	—	—	Dull day.
7	11	10	55.0	52.0	51.0	56.0	3.0	3.0	34.9	31.0	81	80	SE	E	—	—	Dull a. Breezy p.
8	22	19	53.5	53.0	50.0	55.0	3.5	4.0	31.6	29.9	77	74	SE	E	—	—	Breezy and dry.
9	21	21	56.0	54.5	49.0	57.0	5.2	1.5	31.3	38.1	69	90	E	E	—	—	Dull a. Fine p.
10	18	26	64.0	61.8	47.0	67.0	5.2	4.3	44.5	41.6	71	76	W	W	—	—	Dull a. Fine p.
11	29	25	64.5	60.0	54.0	70.0	6.7	4.0	39.2	39.5	64	76	W	W	—	—	Fine day.
12	24	26	65.0	56.0	54.0	75.0	6.0	0.8	41.8	42.5	68	94	W	N	—	—	Fine day.
13	25	20	58.5	55.0	53.2	60.0	2.3	1.0	42.0	40.3	85	93	SE	N	—	—	Fine day.
14	30.16	30.01	59.8	63.5	52.2	67.0	2.6	2.5	43.2	49.9	84	85	SE	E	—	—	Fine a. ☁ (mist) p.
15	29.83	29.86	63.5	53.2	53.0	67.0	4.5	3.0	43.7	32.5	74	80	W	NW	—	—	Fine and clear.
16	28	29.60	58.8	51.0	50.2	65.0	4.6	1.5	36.2	33.6	73	90	W	NW	—	—	Fine day.
17	29.85	30.01	56.8	52.0	50.0	60.0	4.6	4.0	33.5	28.7	72	74	NW	NW	—	—	Clear and breezy.
18	30.04	15	56.8	49.0	48.2	63.0	5.0	3.0	32.5	27.6	70	79	NW	NW	—	—	Breezy day.
19	16	21	56.8	48.2	45.2	57.2	5.6	2.7	31.2	27.2	67	82	SE	NE	—	—	Fine and breezy.
20	21	25	55.0	59.8	47.0	66.0	2.2	1.8	37.0	45.6	86	89	W	W	—	—	Fine a. Cloudy p.
21	24	24	58.8	60.5	52.5	67.8	2.0	2.5	43.4	44.6	88	85	W	W	—	—	Fine a. Dull p.
22	22	26	62.8	61.8	53.0	72.8	3.6	4.8	45.2	40.1	79	73	W	W	—	—	Fine and warm.
23	26	30.16	62.8	61.8	54.0	74.0	3.8	2.8	44.6	45.9	78	83	W	E	—	—	Fine and warm.
24	30.05	29.94	60.5	64.0	60.0	69.5	1.5	3.2	47.7	48.6	91	81	E	E	—	—	Fine and warm.
25	29.90	81	65.2	63.0	59.0	66.0	4.7	3.0	46.0	47.4	75	82	E	E	—	—	Fine day.
26	30.02	93	65.0	55.0	54.0	68.0	5.2	1.0	44.1	40.3	72	93	E	E	—	—	Fine a. ☁ p.
27	29.70	71	60.0	57.2	54.0	62.0	2.8	1.2	42.9	43.1	83	92	E	E	—	—	Fine and dry.
28	72	74	58.8	55.2	53.0	62.0	1.8	0.2	43.9	43.0	89	99	E	E	—	—	Fine a. Dull p.
29	74	66	56.0	57.2	54.0	59.5	2.0	4.2	39.1	34.9	87	74	E	E	—	—	Dull a.
30	60	55	57.5	57.0	56.0	58.2	0.5	1.0	45.8	43.4	96	93	E	E	—	—	Dull a. Fair p.
31	29.61	29.58	56.8	54.8	54.0	58.0	2.6	1.6	38.6	38.4	83	80	W	W	—	—	Dull, with ☁ showers a. ☁ (mist) [p.
Mean	30.051	30.030	59.3	56.6	52.4	63.9	3.5	2.5	40.1	39.0	79.3	84.4	—	—	—	—	Dull, with ☁ showers. (mist) [p.

## BRAEMAR.—AUGUST 1899.

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

1	29.07	29.05	69.5	61.8	43.3	76.0	7.5	5.3	466	388	64	71	SW	2	SW	0.5	4	0	—	Fine day.
2	28.99	29.04	68.6	55.8	44.0	73.0	6.4	1.2	468	411	67	92	SW	0.5	NE	0.5	6	10	03	Fine a. Damp p.
3	98	28.93	50.6	57.6	50.0	60.6	1.1	2.1	341	413	93	86	NE	0.5	S	0.5	10	8	—	
4	92	93	56.0	54.9	53.7	61.8	1.8	1.7	409	382	94	89	S	0.5	S	0.5	8	8	—	
5	97	96	55.3	53.3	51.3	61.2	2.8	3.6	359	312	82	76	S	0.5	S	0.5	8	8	—	
6	92	91	54.1	52.0	50.0	59.7	2.7	2.5	343	323	81	83	SW	0.5	E	0.5	8	9	—	Fine day.
7	94	28.98	53.6	51.4	46.2	65.3	4.0	4.1	306	279	75	74	E	0.5	E	1	7	8	—	Fine day.
8	28.99	29.00	51.4	50.6	44.3	59.0	3.2	2.4	298	308	78	83	E	0.5	E	1	8	8	—	Fine day.
9	29.00	00	54.6	51.8	45.3	67.7	5.6	1.3	283	351	67	91	E	0.5	E	0.5	4	0	—	Fine a. Cloudy p.
10	01	09	60.6	61.4	54.5	70.7	5.1	4.9	375	393	72	73	E	0.5	NE	0.5	0	8	—	Fine a. Cloudy p.
11	10	13	63.6	58.8	46.7	74.0	4.3	3.0	445	405	76	82	NE	0.5	NW	0.5	3	7	—	Clear and dry.
12	07	09	67.4	62.3	40.8	79.0	8.9	3.8	381	438	56	78	NW	0.5	E	0.5	6	3	—	Clear and dry.
13	07	29.01	60.3	61.3	45.2	77.0	4.0	3.0	399	444	77	82	E	0.5	E	0.5	1	1	—	Calm and dry.
14	29.00	28.89	59.7	63.4	42.0	75.3	3.9	4.8	394	428	77	73	E	0.5	S	0.5	0	7	—	Calm and dry.
15	28.70	71	62.0	54.9	49.7	65.6	5.2	4.4	394	315	71	73	SW	0.5	W	1	7	6	—	Red sky p.
16	76	53	55.8	52.4	47.3	59.9	5.6	4.2	301	288	67	73	SW	2	NW	8	7	01	Gusty with <sup>0</sup> showers.	
17	71	82	55.7	52.9	48.2	60.0	6.2	5.7	287	262	64	65	NW	4	NW	2	7	02	Gusty <sup>0</sup> .	
18	87	28.95	53.0	51.9	45.0	65.0	6.5	3.4	248	301	62	78	W	4	N	0.5	4	7	—	Gusty <sup>0</sup> .
19	28.95	29.00	52.8	58.4	41.3	62.8	2.3	1.1	338	454	85	93	N	0.5	N	0.5	8	8	—	Dull and cloudy.
20	29.05	08	62.8	61.6	53.6	71.2	2.5	2.1	487	479	85	87	W	1	SE	0.5	8	8	—	Cloudy day.
21	09	08	63.6	61.6	56.2	73.0	2.4	3.3	505	441	86	81	NE	0.5	SW	0.5	8	7	—	Fine day.
22	07	08	65.3	62.6	46.5	78.5	6.0	3.4	423	454	69	80	SW	1.1	SW	0.5	3	0	—	Fine day.
23	29.05	29.00	60.6	63.3	42.0	79.7	3.8	7.4	410	356	79	62	SW	0.5	SW	0.5	2	0	—	Fine day.
24	28.88	28.83	62.6	61.6	45.0	74.8	4.8	3.9	414	423	73	78	SW	0.5	SW	0.5	0	2	—	Fine day.
25	77	70	64.3	61.4	49.0	77.5	4.5	2.9	451	450	75	83	S	0.5	SW	0.5	1	6	13	Fine a. K p.
26	87	82	61.6	56.4	54.7	72.6	6.3	5.2	359	317	66	65	SW	2	SW	0.5	3	6	—	Fine day.
27	50	56	62.4	57.4	44.7	66.0	6.6	2.6	363	395	65	84	SW	2	S	0.5	7	8	—	Dull day.
28	56	59	54.3	50.9	48.3	63.8	1.5	1.2	379	343	90	92	S	0.5	SE	0.5	10	0	03	Dull with <sup>0</sup> showers.
29	58	46	54.1	56.2	34.7	64.8	3.4	2.3	326	385	78	85	SE	0.5	SE	0.5	7	9	07	Dull with <sup>0</sup> showers.
30	38	44	59.9	55.3	53.0	66.2	3.6	1.5	405	394	79	90	SE	0.5	NW	1	8	10	82	<sup>0</sup> showers a. K p.
31	28.44	28.44	54.9	55.2	51.0	64.8	4.2	1.7	320	387	74	89	SW	0.5	SW	0.5	8	10	19	Fine a. <sup>0</sup> p.
Mean	28.882	28.875	59.1	57.1	46.7	68.6	4.4	3.2	377	378	75.1	80.5		1.0		0.9	5.5	6.1	1.30	

## LAUDALE.—AUGUST 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
							Dep. of Wet.		Vapour Tension.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.			
	ins.	ins.							in.	in.	%	%					ins.			
1	30.31	30.26	67.2	58.0	57.0	67.2	3.2	1.8	54.6	42.7	82	88	NW	3	N	2	6	7	—	☼ a. Fine afternoon.
2	21	16	59.7	59.0	54.3	67.2	2.9	1.0	42.1	46.7	83	94	Calm	0	Calm	0	10	4	—	☼ a. Fine day.
3	09	06	65.0	60.0	54.8	71.0	5.4	1.3	43.5	47.5	71	92	SW	1	Calm	0	7	0	—	Fine day.
4	04	04	65.0	62.0	54.6	72.8	4.0	3.0	47.8	45.6	78	82	NW	1	Calm	0	2	1	—	Fine and warm.
5	05	05	64.7	60.0	53.0	70.0	6.5	4.0	40.0	39.5	65	76	SE	2	SE	3	2	1	—	Fine day.
6	01	01	61.4	60.0	54.8	70.0	5.4	3.2	37.9	41.7	70	81	ESE	4	ESE	3	7	10	—	Fine a. Sultry and threatening p.
7	05	09	58.7	55.0	54.3	65.0	4.7	2.0	35.8	37.5	73	87	ESE	2	Calm	0	10	0	—	Dull a. Fine p.
8	13	13	59.0	55.2	46.0	67.0	6.3	2.2	32.3	37.3	65	86	Calm	0	NE	1	0	2	—	Fine and bright.
9	18	20	59.0	52.2	52.0	65.0	5.0	0.9	35.4	36.6	71	91	Calm	0	Calm	0	7	0	—	Fine and dry.
10	23	25	59.7	56.0	45.8	68.0	2.9	2.0	42.1	39.1	83	87	Calm	0	Calm	0	0	0	—	Fine and warm.
11	28	29	60.4	57.0	48.9	71.8	2.4	2.0	44.7	40.5	86	87	Calm	0	Calm	0	1	3	—	Fine and warm.
12	28	28	60.7	55.3	47.3	70.4	3.7	0.3	41.4	42.9	79	98	Calm	0	Calm	0	2	1	—	☼ a. Fine and warm p.
13	23	30.21	65.5	59.3	50.4	74.9	4.1	2.3	48.4	43.2	78	86	E	2	Calm	0	0	0	—	∞ a. Fine and warm p.
14	30.13	29.98	68.0	65.0	55.0	78.1	6.0	3.0	47.0	51.0	68	83	Calm	0	Calm	0	0	7	0.01	∞ a. Dull and sultry p.
15	29.87	29.8	63.0	55.1	54.5	66.7	2.6	2.6	48.7	36.1	84	83	Calm	0	WSW	3	10	9	0.07	☼ showers p.
16	29.95	29.87	58.3	55.8	54.0	61.3	4.3	2.8	36.3	36.7	75	82	SW	3	WNW	5	10	10	0.36	☼ (gale) 2p.-6p. ☼ <sup>2</sup> p.
17	30.00	30.05	60.0	55.5	53.2	61.3	3.8	3.5	34.5	34.5	76	78	W	4	NW	4	10	4	0.01	☼ all day.
18	08	12	55.0	55.0	50.6	62.4	3.7	2.0	33.2	37.5	77	87	Calm	0	Calm	0	10	10	0.19	Dull a. Fine p.
19	13	18	57.2	61.0	50.2	66.0	0.9	1.0	44.0	50.3	94	94	Calm	0	Calm	0	10	10	0.25	☼ a. ☼ most of day.
20	23	23	60.9	63.0	58.3	71.2	0.9	3.0	50.5	47.4	95	82	Calm	0	Calm	0	10	0	0.01	☼ a. Fine and warm.
21	23	24	64.8	59.7	56.3	75.2	2.5	1.7	52.3	45.7	86	90	Calm	0	Calm	0	10	0	—	Fine and warm.
22	24	23	61.5	57.3	54.0	71.4	1.5	1.3	49.5	43.0	91	91	SW	1	Calm	0	9	0	—	Very fine.
23	30.17	30.06	67.7	69.9	52.0	70.4	3.7	5.9	53.9	50.9	80	69	E	2	ESE	2	1	0	—	Very fine and dry.
24	29.94	29.85	70.0	72.0	57.0	79.3	8.0	10.2	44.6	44.1	61	53	ESE	4	E	6	0	0	—	Fine and dry.
25	29.84	77	70.2	65.0	63.0	75.6	8.0	2.4	45.0	53.0	61	86	ESE	5	SSE	4	5	10	0.18	☼ (gale). ☼ <sup>2</sup> in afternoon.
26	30.00	80	63.2	64.7	62.0	73.2	5.2	2.1	41.2	53.5	71	88	S	2	S	4	3	9	—	Fine, warm, and squally.
27	29.64	67	63.0	60.1	55.0	70.5	5.2	2.1	40.9	45.2	71	87	SE	4	SSE	2	10	6	0.15	☼ showers.
28	67	70	59.0	53.8	53.2	68.7	5.8	1.6	33.5	36.9	67	88	SE	3	Calm	0	4	0	—	Very fine.
29	67	60	63.8	59.0	52.9	63.8	4.9	2.0	43.0	43.6	73	88	SSE	3	Calm	0	8	10	0.56	☼ <sup>2</sup> p.
30	51	62	59.9	57.1	56.1	63.3	1.9	2.1	45.4	40.4	89	86	Calm	0	W	2	9	10	0.49	☼ <sup>2</sup> showers.
31	29.64	29.61	58.3	56.0	52.0	62.0	2.3	1.3	41.7	41.1	86	91	W	2	Calm	0	9	9	0.09	☼ <sup>0</sup> (mist) ☼ <sup>0</sup> showers.
Mean	30.033	30.016	62.1	59.2	53.6	69.3	4.1	2.5	42.9	42.9	77.1	85.3	1.5		1.3		5.9	4.3	2.37	



GLASGOW.--AUGUST 1899.

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

Day.	Barometer at 52° Fahr.		Air Temperature.				Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
	ins.	ins.							in.	in.	%	%					ins.			
1	30°14	30°06	66°7	63°9	54°4	76°3	4°0	1°9	°510	°526	78	89	W	1	W	2	4	2	—	Fine and clear.
2	30°02	29°99	59°8	59°7	56°2	76°8	3°0	2°4	°420	°436	82	86	W	1	E	3	6	10	—	Fine and clear.
3	29°94	°89	58°5	61°2	56°2	64°3	1°3	2°2	°419	°467	91	87	E	1	E	1	10	10	—	Dull and overcast.
4	°88	°88	61°2	59°8	50°7	67°4	4°1	2°6	°411	°432	77	84	E	1	E	2	7	6	—	
5	°91	°88	59°9	56°7	55°7	64°2	3°8	2°7	°399	°381	78	83	E	2	E	3	9	6	—	
6	°85	°87	58°7	54°8	54°4	59°7	3°8	2°6	°381	°357	77	83	E	2	E	2	10	10	°258	Dull and overcast.
7	°90	°96	53°6	53°4	50°1	58°3	1°4	2°6	°372	°337	90	83	E	1	E	1	10	10	—	Dull and overcast.
8	29°97	29°98	55°1	54°8	50°2	62°3	5°2	4°8	°299	°304	69	71	E	2	E	2	8	10	—	Fine and clear.
9	30°03	30°02	55°7	56°5	52°1	62°6	5°7	3°1	°297	°368	66	80	E	1	E	1	10	7	—	∞ in evening.
10	°04	°05	53°2	56°2	46°0	70°1	1°7	3°0	°358	°411	89	82	Calm	0	W	1	6	0	—	∞ <sup>0</sup> (mist) a. Fine day
11	°12	°08	55°4	62°6	50°9	73°6	1°7	3°2	°391	°460	89	81	W	1	SW	1	5	4	—	∞ <sup>0</sup> (mist) a. Fine day.
12	°08	°08	56°6	59°5	52°0	74°6	1°6	2°4	°411	°432	89	86	SE	1	E	2	10	10	—	∞ a.
13	30°10	30°03	59°3	64°2	56°2	72°4	2°5	3°6	°426	°477	85	79	E	1	W	1	10	10	—	∞ in evening.
14	29°97	29°84	57°4	62°1	54°1	74°6	1°2	2°2	°435	°483	92	86	Calm	0	W	1	7	5	°032	Dull and cloudy.
15	°73	°79	59°3	56°2	55°0	66°3	1°3	3°2	°463	°362	92	80	W	1	W	2	10	8	°060	Dull, with ☉.
16	°83	°68	57°0	54°4	50°3	61°1	4°7	3°6	°334	°326	72	77	W	2	W	4	10	6	°071	Dull and cloudy. Squally ☉° p.
17	°81	°88	56°5	53°3	53°3	60°7	4°3	2°2	°338	°346	73	85	NW	2	W	2	10	6	—	
18	°91	29°94	54°1	58°1	50°9	63°1	2°3	1°9	°354	°426	84	87	W	1	W	1	10	10	°055	Dull day.
19	29°97	30°01	54°7	60°5	52°4	67°3	1°3	1°7	°391	°472	92	90	NE	1	SW	1	10	8	—	Dull day.
20	30°05	°06	65°0	64°8	59°4	73°0	3°3	2°2	°500	°534	82	87	W	2	SW	1	10	—	—	Overcast day.
21	°09	°08	66°5	62°3	60°1	74°9	3°9	2°0	°509	°493	78	88	W	1	W	1	7	0	—	Fine and clear.
22	°09	30°06	64°6	62°3	53°3	74°9	3°3	1°7	°494	°503	82	90	W	2	W	1	8	0	—	Fine and clear.
23	30°03	29°93	62°5	65°4	51°8	79°4	2°7	3°8	°474	°491	84	79	E	2	E	1	5	0	—	∞ <sup>0</sup> (mist) a. Fine and clear
24	29°83	°75	66°3	69°4	57°1	80°1	4°6	7°3	°483	°456	75	63	E	2	E	1	0	0	—	Fine and clear.
25	°72	°74	64°2	60°1	59°2	73°2	4°2	2°8	°458	°431	76	83	E	1	E	2	8	9	°020	☉° 4p.
26	°87	°71	60°9	61°0	55°3	73°2	2°9	3°9	°440	°413	83	78	NE	1	W	2	7	9	—	
27	°53	°53	62°1	58°9	56°6	66°1	5°5	1°5	°387	°449	70	91	SE	1	Calm	0	10	9	°151	Overcast with ☉°.
28	°53	°57	57°1	55°6	53°3	68°2	0°8	2°4	°442	°375	94	84	Calm	0	SW	1	8	0	—	
29	°55	°40	60°3	60°2	50°1	62°3	4°0	2°0	°399	°456	77	88	SW	1	SE	2	9	10	°408	Overcast with ☉°.
30	°37	°48	59°5	55°5	55°5	61°0	2°3	2°2	°435	°378	86	86	W	2	W	2	10	3	°063	☉ a. and p.
31	29°49	29°41	59°6	55°6	52°9	62°9	4°2	1°3	°384	°405	75	91	W	2	W	1	8	9	—	
Mean	29°882	29°859	59°4	59°4	53°8	68°6	3°1	2°7	°414	°425	81°5	83°5	1°2		1°5	8°1	6°4	1°118		

LADYLAW.—AUGUST 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +.026 in.

1	29° 87	29° 79	66° 4	62° 4	55° 6	79° 2	6° 0	2° 8	*504	*470	78	84	S	2	SW	1	0	0	—	Fine all day, and very warm.
2	*68	73° 8	59° 4	53° 0	83° 2	4° 0	1° 8	*557	*450	67	90	W	1	E	1	0	10	—	Fine all day, and very warm.	
3	*64	*62	63° 0	59° 0	57° 2	70° 4	3° 4	2° 2	*462	*430	80	87	N	1	E	1	10	10	—	
4	*59	*59	61° 2	56° 3	55° 0	68° 4	4° 2	2° 5	*408	*382	76	84	SE	1	E	1	4	10	—	
5	*61	*60	59° 3	55° 8	54° 2	63° 0	3° 7	2° 8	*393	*367	78	82	E	1	E	1	10	10	—	
6	*59	*56	56° 3	53° 6	53° 1	59° 0	2° 9	1° 2	*371	*378	81	92	E	1	N	1	10	10	—	*055 Overcast all day.
7	*57	*65	52° 8	53° 4	51° 0	60° 2	0° 8	1° 9	*377	*356	94	88	E	1	NE	1	10	10	—	Overcast all day.
8	*66	*66	56° 6	52° 8	51° 0	60° 2	6° 0	2° 4	*301	*335	66	84	NE	1	N	1	10	10	—	Overcast all day.
9	*69	*70	56° 2	52° 2	49° 2	62° 1	4° 8	1° 6	*323	*348	71	89	E	1	W	1	10	0	—	Dull a.
10	*72	*75	49° 3	57° 2	36° 0	73° 2	3° 4	2° 2	*271	*349	76	74	W	1	W	1	0	0	—	Fine and warm.
11	*81	*78	64° 8	59° 8	44° 0	76° 2	7° 0	2° 2	*389	*445	63	87	W	1	W	1	0	10	—	Fine and warm.
12	*79	*78	63° 8	59° 1	43° 5	81° 2	5° 4	1° 1	*417	*466	70	93	W	1	W	1	0	0	—	Fine all day, and very warm.
13	*80	*73	57° 6	60° 0	53° 6	77° 8	2° 0	1° 0	*415	*485	87	94	W	1	W	1	10	0	—	
14	*69	*57	68° 2	59° 4	49° 8	79° 1	5° 2	1° 6	*498	*456	72	91	W	1	NW	1	0	10	—	Bright till 3p.
15	*44	*46	61° 8	54° 0	50° 0	67° 2	1° 2	1° 4	*476	*377	93	90	W	1	W	2	7	0	—	
16	*54	*36	61° 8	56° 2	44° 4	66° 8	7° 2	3° 2	*339	*362	62	80	W	1	SW	2	5	3	—	
17	*57	*57	59° 4	53° 4	47° 4	62° 8	3° 6	1° 2	*398	*374	79	91	SW	2	SW	1	6	6	—	
18	*60	*67	55° 4	54° 0	48° 2	68° 8	3° 4	1° 6	*345	*371	79	89	W	1	SW	1	10	6	—	Overcast till noon.
19	*69	*69	55° 2	60° 6	47° 0	62° 0	1° 8	2° 2	*384	*458	88	86	Calm	0	S	1	10	7	—	*168 Overcast till noon. ☉ showers.
20	*76	*77	65° 4	60° 4	51° 4	73° 2	3° 1	1° 8	*514	*466	83	90	Calm	0	Calm	0	10	0	—	Overcast till 4p.
21	*81	*81	71° 2	62° 4	52° 2	78° 6	4° 2	2° 1	*593	*492	77	88	S	1	Calm	0	10	0	—	Fine all day, and very hot.
22	*80	*76	70° 4	62° 0	49° 0	81° 2	4° 6	1° 4	*563	*507	73	92	SW	1	SW	1	0	0	—	Fine all day, and very hot.
23	*77	*69	68° 4	66° 2	48° 4	80° 2	2° 6	1° 6	*592	*583	85	91	Calm	0	Calm	0	0	0	—	Fine all day, and very hot. ∞ n.
24	*60	*53	71° 0	67° 0	49° 6	80° 4	5° 4	2° 4	*546	*571	71	86	SW	1	SW	1	0	0	—	Fine all day, and very hot.
25	*48	*42	70° 2	62° 2	52° 8	81° 2	4° 0	2° 6	*580	*472	78	85	SW	1	SW	1	0	10	—	Fine all day, and very hot.
26	*60	*47	67° 4	59° 4	49° 8	75° 6	2° 8	1° 6	*565	*456	84	91	S	1	W	1	0	10	—	Fine all day, and very hot.
27	*31	*25	62° 4	58° 4	51° 4	67° 8	3° 1	0° 8	*460	*464	82	95	SW	2	W	1	7	10	—	Overcast from 5p.
28	*25	*28	61° 2	54° 0	49° 4	70° 6	1° 6	2° 0	*487	*360	91	86	SW	1	SW	1	6	8	—	
29	*30	*18	62° 4	59° 0	46° 8	68° 4	2° 7	0° 6	*473	*480	84	96	SW	1	Calm	0	3	10	—	*168 ☉ from 7p.
30	*11	*15	60° 4	54° 8	50° 0	65° 4	1° 6	2° 2	*473	*368	91	86	SW	1	W	1	4	4	—	
31	29° 22	29° 12	61° 0	49° 0	48° 2	64° 0	3° 2	0° 6	*433	*332	81	96	S	1	W	1	6	0	—	
Mean	29° 59.8	29° 56.8	62° 2	57° 9	49° 7	71° 2	3° 7	1° 9	*449	*426	78.8	88.3		1° 0	0° 9	4° 8	5° 3	0° 39.1		

SCARBOROUGH.—AUGUST 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., - 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.	°	°	°	°	°	in.	in.	%	%	SW	4	Calu	0	2	3	—	Hottest day since Aug. 1893.	
2	30°15	29°06	71°4	65°6	61°2	85°5	6°8	1°6	.507	.570	66	90	W	2	Calu	0	4	0	—	
3	29°98	29°94	73°2	61°6	58°1	76°8	6°1	0°6	.568	.523	70	96	E	2	SE	2	10	2	—	Thin clouds.
4	°93	°90	60°0	57°1	56°7	63°0	1°0	1°0	.483	.436	93	93	E	2	E	3	10	7	—	
5	°90	°88	58°7	56°9	55°7	59°8	2°7	1°4	.412	.421	84	90	E	2	NE	3	10	10	—	
6	°90	°90	58°2	57°0	55°2	60°0	2°2	2°0	.418	.406	86	87	N	2	Calu	0	10	10	—	
7	°84	°82	60°0	55°1	55°0	61°4	2°8	0°1	.428	.431	83	99	NW	1	NW	2	10	7	—	
8	°81	°88	61°2	57°0	54°0	61°7	2°2	1°1	.467	.431	86	93	NW	2	NW	2	7	6	—	
9	°87	29°89	57°2	53°8	53°5	64°1	2°6	0°2	.393	.409	83	99	NW	2	N	1	3	7	—	
10	29°92	30°00	63°8	57°8	53°2	68°0	3°8	1°0	.462	.447	78	93	Calu	0	Calu	0	5	1	—	p.
11	30°02	°04	62°0	51°5	47°9	65°0	5°3	0°1	.389	.378	70	99	NW	2	Calu	0	7	0	—	
12	°08	°07	64°3	55°6	46°3	67°2	4°3	0°8	.456	.418	76	94	E	1	Calu	0	4	8	—	Thin clouds p.
13	°06	°07	70°0	58°0	50°7	70°8	8°0	2°4	.446	.409	61	85	E	1	Calu	0	8	1	—	p.
14	°09	30°04	64°0	55°0	51°1	66°2	4°0	0°1	.461	.430	77	99	E	2	E	1	10	1	—	p.
15	30°01	29°91	59°0	56°0	53°7	61°0	1°8	0°1	.443	.446	88	99	E	2	SE	1	10	1	—	p.
16	29°78	°74	68°0	63°7	55°8	78°5	4°5	1°8	.516	.526	76	89	S	3	SW	1	6	4	—	
17	°84	°68	64°7	61°0	50°2	68°9	7°5	3°1	.375	.436	61	82	SW	2	SW	5	0	6	—	
18	°77	°83	64°0	57°8	53°7	68°0	5°8	2°1	.497	.415	68	87	W	5	W	4	5	7	—	a.
19	°87	°92	57°1	50°0	48°7	61°7	3°3	1°0	.370	.334	80	93	W	3	N	1	10	5	—	
20	29°95	29°99	60°0	53°3	47°7	61°2	3°8	0°1	.401	.404	77	99	NW	1	Calu	0	10	6	—	
21	30°01	30°07	61°9	53°0	52°1	64°6	1°9	0°0	.487	.493	88	100	NW	1	NW	1	10	1	—	p.
22	°09	°10	65°1	56°1	50°0	66°3	4°3	0°4	.470	.437	76	97	N	2	Calu	0	2	1	—	
23	°08	°04	70°1	64°1	53°0	78°2	6°4	2°2	.496	.518	67	86	S	3	S	2	0	2	—	
24	30°05	30°01	72°0	58°9	56°5	79°0	7°0	0°1	.512	.494	65	99	S	2	SE	1	1	7	—	
25	29°96	29°89	60°1	58°5	56°0	71°0	0°2	0°4	.512	.477	99	97	SE	2	SE	2	7	7	—	p.
26	°82	°75	67°0	63°9	57°7	74°2	3°1	1°9	.545	.526	82	89	SE	3	Calu	0	5	7	—	
27	°87	°79	68°0	55°9	54°9	70°3	4°9	0°6	.503	.428	73	96	NW	3	Calu	0	6	4	—	
28	°62	°57	57°0	56°5	52°7	58°9	0°1	0°1	.462	.454	99	99	SE	1	Calu	0	10	10	—	~ p.
29	°53	°55	61°0	54°8	54°2	73°8	2°4	0°1	.457	.427	85	99	SW	2	SW	2	5	1	—	Δ in afternoon. R
30	°61	°53	63°7	61°2	51°0	72°7	3°7	0°5	.464	.524	79	97	SW	1	S	1	2	2	—	● showers.
31	°49	°51	62°7	56°8	56°0	69°0	2°6	0°6	.480	.443	84	96	S	3	SW	3	5	2	—	● showers.
31	29°53	29°43	61°8	57°8	52°0	67°0	3°8	0°2	.428	.472	78	99	SW	4	SW	2	7	10	—	
Mean	29°884	29°864	63°5	57°5	53°4	68°2	3°8	0°9	.459	.448	78°6	94°2	2°1	1°3	6°2	4°7	1°45			

CRONKBOURNE.—AUGUST 1899.

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

1	30° 24	30° 14	61° 5	56° 0	47° 4	74° 2	2° 0	1° 0	° 480	° 419	88	93	SSE	1	N	1	0	0	—	☁ a. Very fine. <i>p</i> .
2	30° 06	29° 96	62° 8	60° 8	50° 5	76° 0	7° 0	2° 8	° 514	° 477	65	83	E	1	NW	2	4	6	—	Very fine.
3	29° 94	° 88	61° 4	60° 6	50° 5	69° 2	3° 4	2° 0	° 504	° 487	81	88	E	3	E	4-5	6	10	—	Fine day.
4	° 88	° 84	62° 8	60° 8	57° 0	67° 0	4° 7	1° 8	° 400	° 473	74	89	E	5	E	3	7	10	—	☁ <sup>0</sup> (mist) a. Cloudy, with
5	° 89	° 86	62° 1	62° 0	57° 0	66° 5	3° 8	0° 6	° 435	° 534	79	96	E	4-5	E	3-4	3	7	° 106	☁ <sup>0</sup> mist a. ☀ 4-30 p.
6	° 84	° 86	59° 0	61° 4	56° 4	62° 5	1° 4	1° 8	° 455	° 484	92	90	E	4-5	E	3	8	10	° 077	☁ <sup>0</sup> from 2 p.
7	° 89	° 92	60° 3	62° 0	57° 7	64° 8	1° 8	2° 7	° 465	° 465	89	84	ESE	2	NNE	3	10	10	—	Dull a.
8	29° 96	29° 95	60° 5	57° 8	56° 2	65° 0	5° 3	3° 8	° 369	° 369	70	77	E	3	NE	3	7	4	—	Fine day.
9	30° 02	30° 04	60° 0	59° 8	50° 0	65° 4	5° 8	3° 6	° 349	° 403	67	78	NE	2	ENE	2	3	4	—	Fine day.
10	° 09	° 11	62° 0	55° 2	55° 2	68° 8	3° 8	1° 7	° 433	° 387	78	89	E	3	N	1	6	2	—	Very fine. <i>p</i> .
11	° 18	° 14	65° 5	55° 0	45° 1	72° 0	6° 3	1° 6	° 418	° 386	67	89	ESE	2	NW	2	0	0	—	☁ <sup>0</sup> (mist) a. Very fine.
12	° 13	° 12	66° 2	56° 8	48° 6	72° 5	5° 4	1° 4	° 650	° 410	98	91	E	1	W	1	0	0	—	☁ <sup>0</sup> (mist) a. Very fine. <i>p</i>
13	° 14	30° 07	67° 2	56° 2	51° 0	77° 5	0° 5	0° 2	° 479	° 511	83	99	ESE	3	N	2	3	9	—	☁ <sup>0</sup> (mist) a. Very fine. <i>p</i>
14	30° 04	29° 91	63° 1	60° 0	54° 0	66° 4	2° 9	0° 2	° 560	° 411	97	91	Calm	0	N	2	10	2	° 001	Dull a. Fine p.
15	29° 84	° 89	63° 1	56° 0	51° 0	69° 5	0° 5	2° 9	° 381	° 406	72	83	WSW	2	NW	4	3	2	° 032	Fine afternoon. ☀ 7-30 p.
16	° 96	° 86	61° 0	58° 7	44° 0	64° 8	5° 1	1° 2	° 405	° 461	77	93	W	4-5	W	2	7	8	° 104	Dull day. ☁ showers p.
17	29° 97	29° 98	60° 8	59° 0	53° 0	63° 4	4° 1	0° 8	° 489	° 515	99	95	WSW	1	Calm	0	10	10	° 063	☁ a. Overcast day.
18	30° 00	30° 04	58° 9	61° 3	56° 2	65° 6	0° 3	0° 8	° 489	° 515	99	95	WSW	1	Calm	0	10	10	° 063	☁ a. Overcast day.
19	° 05	° 10	68° 0	62° 8	59° 8	73° 5	3° 2	3° 2	° 559	° 465	82	81	NW	5-6	NNW	2	6	4	—	☁ a. Fine p.
20	° 12	° 13	65° 2	58° 0	54° 0	72° 0	1° 5	0° 6	° 566	° 463	91	96	NNW	2	N	1	8	2	—	☁ a. Fine p. <i>p</i> .
21	° 15	° 15	67° 7	56° 1	50° 4	72° 8	3° 3	0° 6	° 553	° 433	82	96	SE	1	NNW	2	1	0	—	☁ <sup>0</sup> (mist) a. Very fine.
22	° 16	30° 10	70° 1	58° 0	48° 0	73° 5	6° 1	1° 1	° 507	° 448	69	92	ESE	1	N	1	0	0	—	☁ <sup>0</sup> (mist) a. Very fine.
23	30° 07	29° 95	68° 4	65° 8	51° 2	74° 2	3° 6	3° 8	° 555	° 499	80	79	ESE	1	ESE	2	6	0	—	☁ <sup>0</sup> (mist) a. Very fine.
24	29° 87	° 82	65° 4	60° 0	60° 0	74° 3	3° 0	1° 3	° 514	° 475	83	92	ESE	4	NNE	1	0	1	—	☁ <sup>0</sup> (mist) a. Very fine.
25	° 75	° 83	65° 8	61° 0	52° 7	67° 8	1° 1	3° 5	° 593	° 495	93	80	ESE	2	W	2	8	10	° 086	☁ showers a. Fine p.
26	° 94	° 73	67° 4	54° 2	48° 2	69° 5	5° 2	0° 6	° 484	° 493	72	96	S	1	N	1	3	4	° 172	Fine day. <i>p</i> .
27	° 60	° 60	60° 0	58° 4	51° 0	66° 4	0° 2	1° 2	° 511	° 451	99	92	ESE	3	NW	2	10	7	° 002	☁ showers a. Fine p. <i>p</i> .
28	° 61	° 66	63° 3	53° 1	47° 3	68° 2	5° 0	1° 1	° 419	° 373	73	92	NNW	1	N	2	3	1	° 031	Very Fine. <i>p</i> <sup>2</sup> p.
29	° 61	° 47	58° 9	61° 0	49° 0	64° 8	0° 7	0° 5	° 476	° 520	96	97	SE	3	S	4-5	10	10	° 032	Dull, with ☁ showers.
30	° 53	° 64	61° 8	53° 6	53° 6	68° 2	3° 8	1° 1	° 429	° 380	78	93	W	4	NNW	2	6	3	° 254	☁ showers from 4 p. Double
31	29° 64	29° 45	59° 7	52° 6	52° 6	64° 4	2° 9	1° 1	° 420	° 367	83	93	WSW	4	WNW	1	10	6	° 178	☁ <sup>2</sup> showers from 5 p.
Mean	29° 940	29° 910	63° 7	58° 6	52° 6	69° 1	3° 3	1° 7	° 481	° 442	81° 5	89° 5		2° 5		2° 0	5° 1	4° 6	1° 268	

Note :—The hygrometrical values for Scarborough are somewhat doubtful.



## STONYHURST.—AUGUST 1899.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., —12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.023 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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.	73.0	63.6	58.6	78.3	8.7	6.6	in.	in.	%	%	WSW 1	Calm 0	0	0	ins.	∞ a. Fine and sunny.
2	29.82	29.90	71.2	69.8	54.7	81.8	8.2	7.0	4.62	4.71	60	65	E by E 1	ENE 1	7	10	—	Fine and sunny.
3	74	69	62.1	59.8	59.1	69.8	3.2	3.6	4.42	4.00	81	78	E 2	NE by E 1	10	3	—	Overcast, then sunny.
4	67	68	62.1	58.0	54.7	68.3	3.2	3.5	3.85	3.80	70	79	NE 2	NE 1	8	9	0.45	10 <sup>0</sup> 4.30 p.
5	69	67	60.0	57.7	54.3	67.3	5.0	4.0	3.69	3.63	71	76	NE 2	NE by E 3	9	7	375	Fine day. < p.
6	64	64	54.8	57.1	53.3	63.6	2.0	2.1	3.73	4.04	88	86	NE by N 1	NE by E 1	10	10	180	5 a.-6 a. 3 p.-7 p.
7	67	71	58.4	58.7	54.6	65.8	3.0	4.3	3.99	3.68	81	74	NE by N 1	NE by N 1	10	10	—	Overcast all day.
8	72	75	59.5	53.0	52.6	65.3	5.0	4.2	3.62	2.95	71	73	E by N 2	NE by N 1	9	0	—	∞ (mist) a. Bright intervals.
9	78	82	61.0	56.0	46.3	69.3	5.0	2.5	3.83	3.78	72	84	NNE 1	N 1	9	8	—	Fine and sunny.
10	86	88	62.0	61.0	51.9	71.3	6.0	6.0	3.72	3.58	67	67	N by E 1	NNE 1	0	4	—	Fine and sunny.
11	94	91	66.0	66.0	49.3	75.0	9.5	6.7	3.45	4.44	54	65	NNE 1	NNW 1	3	7	—	Very warm and sunny.
12	91	89	65.5	66.5	54.3	77.0	5.7	6.5	4.35	4.29	70	66	Calm 0	E by N 1	0	4	—	Very warm and sunny.
13	91	85	68.0	66.0	53.9	76.8	7.5	6.2	4.27	4.28	62	67	Calm 0	E by S 1	7	0	—	Fine and sunny.
14	84	72	60.3	62.4	53.6	69.0	4.3	4.1	3.91	4.31	75	77	Calm 0	NE by N 1	10	4	0.30	Bright intervals.
15	62	64	64.9	62.3	55.6	68.7	2.9	2.3	3.11	4.83	83	86	W by S 1	W 1	10	3	0.30	showers a. Fine and sunny p.
16	73	60	59.5	61.8	49.3	62.8	5.7	3.5	3.44	4.38	68	80	WNW 2	W by S 4	9	10	0.15	Fine and sunny.
17	72	73	60.0	58.5	54.6	62.3	5.2	1.5	3.64	4.43	70	90	W by S 3	W by S 3	10	10	1.45	showers a.
18	77	80	59.0	59.9	55.5	61.6	2.7	1.9	4.16	4.54	84	89	W by N 2	Calm 0	10	10	0.95	showers.
19	82	86	61.5	60.6	58.9	66.8	1.5	2.0	4.95	4.64	91	88	W 2	WSW 1	10	7	—	Fine p. ☐
20	88	91	63.5	65.4	56.7	71.3	3.5	4.4	4.67	4.72	79	76	Calm 0	Calm 0	8	10	—	∞ (mist). Sunny and warm.
21	94	92	66.5	65.0	55.7	74.3	4.5	3.5	4.89	4.94	75	81	Calm 0	Calm 0	6	7	—	∞ (mist). Sunny and warm.
22	93	88	64.4	65.0	55.3	75.4	4.4	5.0	4.55	4.47	75	73	Calm 0	Calm 0	0	9	—	∞ (mist). Sunny and warm.
23	80	80	64.0	66.4	55.8	77.3	2.0	6.9	5.95	4.16	88	64	N 1	Calm 0	0	3	—	∞ (mist). Sunny and warm.
24	73	64	64.0	69.6	56.6	79.3	4.0	8.0	4.61	4.39	77	60	N by E 1	NE 1	0	0	—	∞ (mist). Sunny and warm.
25	57	64	65.5	61.4	54.3	80.0	4.5	3.0	4.71	4.46	79	82	N by E 2	WSW 1	2	3	—	∞ (mist). Sunny and warm.
26	74	67	63.0	63.4	55.7	72.3	2.2	6.0	5.00	3.94	87	67	Calm 0	E 1	9	2	0.90	∞ 5.30 p.
27	43	41	60.4	59.5	55.7	69.3	4.2	2.6	3.96	4.27	75	84	N by E 1	W 1	10	3	2.30	T a. and p.
28	39	44	59.0	55.8	52.6	66.5	3.0	2.3	4.07	3.81	82	85	Calm 0	Calm 0	9	10	—	showers. T<
29	45	31	60.0	62.0	50.6	65.8	3.5	3.0	4.09	4.56	79	82	S by E 1	S by E 2	10	9	670	showers. T<
30	31	42	59.0	55.4	54.3	63.1	1.9	2.4	4.39	3.71	89	85	sw by w 2	W by S 1	10	10	270	showers. T p.
31	29.42	29.25	60.0	55.8	52.7	65.0	1.0	1.9	4.85	3.92	94	87	W by S 2	Calm 0	10	10	155	showers.
Mean	29.727	29.699	62.5	61.4	54.2	70.3	4.4	4.1	4.28	4.17	75.9	76.8	1.1	1.0	6.9	6.2	2.350	

## HILLINGTON.—AUGUST 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +0.021 in.

Day.	30.33	30.14	70.9	63.0	48.0	84.4	9.3	5.2	4.27	4.07	56	71	SE 1	E 1	0	0	—	Very fine and hot.
2	10	30.05	71.4	61.0	49.0	84.3	8.8	2.8	4.47	4.46	58	83	NE 1	NE 1	4	3	—	Very fine and sunny.
3	30.02	29.96	65.0	58.2	57.1	73.1	3.3	0.6	4.98	4.67	81	96	NE 5	NE 4	6	3	—	Cloudy, then fine.
4	29.96	29.93	65.0	58.1	56.2	71.7	7.3	0.9	3.84	4.56	62	93	NE 5	NE 3	0	4	—	Fine and sunny.
5	95	90	66.1	58.7	55.9	74.5	7.5	1.9	3.96	4.34	62	88	NE 4	NE 3	0	8	0.4	☉ early a. Very fine and sunny.
6	90	91	66.1	60.0	57.5	73.1	4.3	1.2	4.89	4.77	76	92	NE 4	NE 0.5	6	7	—	Fine and sunny.
7	91	86	64.1	59.5	52.0	71.5	6.5	2.3	3.91	4.34	66	86	NE 2	NE 0.5	5	10	—	Overcast, then fine.
8	92	29.91	61.0	58.0	52.3	69.0	5.1	1.2	3.79	4.44	71	92	NE 3	NE 3	8	2	—	Overcast, then fine.
9	29.96	30.06	66.0	54.2	52.6	74.5	7.9	1.5	3.84	3.77	60	90	NE 4	NE 1	4	0	—	Beautiful day.
10	30.07	12	68.0	55.0	49.5	73.6	10.4	2.1	3.53	3.73	52	86	E 1	NE 0.5	4	0	—	Beautiful day.
11	16	23	64.0	55.1	45.0	71.5	7.4	1.4	3.67	3.93	61	90	NE 2	NE 0.5	6	0	—	Beautiful day.
12	19	21	65.2	57.1	45.6	73.7	7.2	2.2	3.89	4.01	63	86	NE 3	NE 2	4	0	—	Beautiful day.
13	15	11	68.4	60.0	47.5	71.8	6.8	1.9	4.54	4.56	65	88	NE 3	NE 3	4	10	—	Beautiful day.
14	30.11	30.02	63.1	59.1	58.6	69.7	5.5	1.2	4.01	4.62	69	92	E 1	SE 0.5	8	0	—	Cloudy day.
15	29.97	29.80	69.9	63.1	55.4	86.5	6.2	0.5	4.98	5.60	68	97	SW 2	SW 0.5	3	10	1.45	Fine, then ☉. ☐ 6p.
16	30.01	29.86	63.0	58.5	57.8	73.5	8.3	3.7	3.30	3.81	57	77	NW 1	NW 1	3	4	—	Very fine.
17	29.96	30.01	63.2	59.6	56.0	70.7	8.5	3.9	3.39	3.93	57	77	NW 5	NW 2	6	10	—	Very fine.
18	30.01	29.96	60.0	57.4	57.4	65.4	5.3	0.5	3.61	4.56	69	96	NW 3	NW 0.5	8	10	0.09	Cloudy day.
19	07	30.06	56.0	59.1	52.5	70.5	4.0	0.5	4.36	4.83	97	96	NE 1	NE 1	10	10	0.04	Cloudy day. ☉ n.
20	11	12	60.8	52.5	52.5	71.7	1.2	0.6	4.91	3.78	93	96	NE 1	NE 0.5	10	0	—	Overcast, then sunny.
21	22	21	61.0	54.0	46.4	72.5	4.3	0.8	4.01	3.94	75	94	NE 1	NE 0.5	2	0	—	Very fine day.
22	21	23	64.0	58.0	46.0	78.8	5.3	0.9	4.21	4.54	71	93	E 2	E 0.5	4	0	—	Very fine day.
23	20	30.11	64.0	60.0	52.6	79.5	4.9	1.2	4.33	4.77	72	92	SE 2	SE 2	3	0	—	Very fine day.
24	30.05	29.96	68.1	60.2	55.2	80.3	5.5	0.6	4.85	5.01	70	96	SE 3	E 2	0	2	—	Very fine day.
25	29.95	90	70.9	66.0	59.6	85.3	7.3	1.1	4.83	5.96	63	94	SE 2	E 0.5	4	6	0.05	Very fine.
26	30.00	85	69.0	58.0	58.0	75.6	6.2	0.9	4.80	4.53	68	93	NE 2	E 0.5	4	6	0.05	Very fine.
27	29.76	65	66.9	60.2	56.5	80.9	3.1	0.4	5.43	5.07	82	97	SE 4	SE 1	5	5	—	Very fine.
28	71	66	65.0	55.4	52.0	75.7	7.2	1.7	3.86	3.88	63	89	SE 3	SW 1	5	3	0.02	Very fine.
29	76	71	64.0	62.5	48.1	70.9	6.3	1.9	3.94	4.98	66	88	W 3	W 2	6	10	—	Very fine.
30	66	71	65.0	59.1	58.0	76.5	7.3	2.4	3.84	4.25	62	85	W 4	SW 1	7	8	0.05	Very fine and sunny.
31	29.76	29.61	61.0	56.0	52.0	70.7	5.3	0.8	3.74	4.24	70	94	W 4	S 1	5	10	0.26	Sunshine and cloud. ☐ in evening.
Mean	30.004	29.962	65.0	58.6	53.0	74.9	6.1	1.6	4.19	4.45	67.9	89.9	2.6	1.4	4.6	4.4	2.00	

## CHURCHSTOKE.—AUGUST 1899.

Height above Mean Sea Level, 538 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot 6 inches.  
Long. 3° 5' W. Lat. 52° 31' N. Gravity Correction, +0.018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	72.0	60.5	52.6	84.4	8.1	1.8	.479	.467	60	89	E 2	W 1	0	0	ins.	☉. Bright and hot.
2	29.82	29.70	72.0	60.5	52.6	84.4	8.1	1.8	.479	.467	60	89	SE 1	SE 1	5	10	—	☉. Bright and hot.
3	62	50	70.5	61.6	53.0	81.9	6.7	1.9	.494	.482	66	80	E 2	E 2	8	10	—	Bright, breezy, and very close.
4	44	43	69.8	64.2	55.4	76.9	7.7	3.3	.451	.483	62	80	E 2	E 2	10	0	—	Dull and close.
5	41	43	59.2	57.5	57.0	72.9	2.2	1.1	.433	.439	86	93	SE 2	SE 1	10	0	—	Cloudy day.
6	43	41	63.4	63.0	51.1	77.1	3.5	5.5	.464	.400	79	69	N 1	ESE 2	8	10	—	☉ a. dull and threatening.
7	40	39	59.8	60.5	50.0	65.7	2.4	0.8	.436	.500	85	94	ESE 1	SE 1	10	8	1.00	☉ a. dull and threatening.
8	44	44	59.4	61.4	58.0	68.1	0.6	1.3	.487	.500	92	84	E 1	SW 1	10	10	—	☉ a. dull and threatening.
9	48	49	58.2	55.8	55.5	69.8	3.7	2.4	.377	.375	78	84	E 2	E 2	8	6	—	☉ a. dull and threatening.
10	55	60	65.6	53.4	42.4	74.1	8.6	1.6	.361	.364	58	89	E 2	W 1	4	0	—	☉ a. dull and threatening.
11	65	65	58.6	55.0	43.1	72.3	3.4	3.0	.389	.349	80	80	NW 1	NE 1	0	0	—	☉ a. dull and threatening.
12	71	69	64.9	59.0	45.0	76.1	5.5	3.0	.431	.407	70	82	NE 1	NE 1	0	4	—	☉ a. dull and threatening.
13	70	65	67.0	64.5	47.5	78.9	5.6	4.6	.464	.451	70	74	NE 1	NE 1	0	0	—	☉ a. dull and threatening.
14	70	63	66.0	62.2	48.9	76.9	2.1	4.3	.560	.421	87	76	E 2	E 1	8	0	—	☉ a. dull and threatening.
15	60	48	63.0	63.2	49.0	76.1	3.9	2.8	.444	.428	78	83	E 2	E 2	10	0	—	☉ a. dull and threatening.
16	44	44	71.5	63.5	56.3	78.7	6.6	1.6	.516	.382	67	90	E 2	W 1	8	3	1.010	☉ a. dull and threatening.
17	56	49	61.0	58.8	50.4	69.9	5.0	2.9	.382	.407	71	82	NE 1	SW 2	8	5	1.020	☉ a. dull and threatening.
18	59	60	61.4	60.4	52.8	69.7	5.4	2.5	.378	.444	69	85	WNW 2	W 2	8	8	—	☉ a. dull and threatening.
19	63	62.5	61.5	54.4	66.9	66.9	4.6	2.1	.418	.475	74	87	NW 2	NW 2	8	5	—	☉ a. dull and threatening.
20	65	68	66.8	53.1	52.0	72.9	4.9	1.1	.482	.373	74	92	WNW 1	NW 1	8	0	—	☉ a. dull and threatening.
21	68	71	69.2	61.8	50.2	78.1	6.3	1.9	.482	.485	67	89	N 1	NW 1	2	9	—	☉ a. dull and threatening.
22	74	71	73.8	60.2	58.0	78.9	10.1	1.8	.451	.462	54	89	NE 2	N 1	3	0	—	☉ a. dull and threatening.
23	73	67	70.0	58.2	49.3	80.8	9.1	2.0	.416	.424	57	87	NE 1	N 1	2	2	—	☉ a. dull and threatening.
24	64	55	70.2	60.8	49.9	81.9	10.1	3.8	.393	.413	53	77	E 2	E 1	0	0	—	☉ a. dull and threatening.
25	48	40	71.8	67.8	56.1	86.1	7.9	8.5	.480	.397	61	58	SSE 2	SW 2	0	0	—	☉ a. dull and threatening.
26	33	41	70.0	58.6	57.0	81.1	6.1	1.6	.503	.443	69	89	SSE 4	W 1	8	5	—	☉ a. dull and threatening.
27	53	33	71.2	57.3	50.4	78.9	7.3	2.5	.489	.396	63	84	SE 1	SSW 1	8	2	—	☉ a. dull and threatening.
28	21	24	60.8	54.4	52.0	75.3	2.1	1.0	.464	.394	83	93	SE 1	SSW 1	10	6	1.020	☉ a. dull and threatening.
29	20	24	65.8	51.1	51.1	69.1	5.7	2.1	.439	.321	70	86	SE 2	NW 1	8	0	—	☉ a. dull and threatening.
30	25	12	62.0	58.9	48.8	73.9	2.3	1.0	.477	.465	86	93	SW 2	SW 2	10	10	1.390	☉ a. dull and threatening.
31	17	28	61.5	57.4	35.0	68.1	4.5	1.4	.404	.413	74	90	SW 2	W 1	8	0	—	☉ a. dull and threatening.
32	29.88	29.06	60.0	54.7	49.2	65.9	4.0	0.7	.396	.407	76	95	SW 2	SW 2	10	10	1.500	☉ a. dull and threatening.
Mean	29.516	29.485	65.4	59.3	51.7	75.1	5.4	2.4	.447	.431	71.8	85.2	1.6	1.3	6.1	4.0	1.040	☉ a. dull and threatening.



## ST. DAVID'S, PEMBROKE.—AUGUST 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +018 in.

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.			
1	30.16	30.04	70.4	61.7	58.3	77.2	4.1	1.4	.581	.502	78	92	SE	2	0	5	Sunny and very warm.	
2	29.95	29.82	73.3	61.1	59.9	75.4	8.6	0.6	.490	.518	60	96	E	2	5	4	Sunny and very warm.	
3	72	67	68.5	67.5	60.1	80.0	4.2	2.8	.536	.566	77	84	E	3	5	7	Sunny and very hot. $\mathcal{K}$ 7p.	
4	70	63	66.7	63.5	61.8	70.1	2.9	1.0	.547	.550	83	94	ESE	4	10	5	T till 5a. Distant T. $\odot$ 10p.	
5	71	65	62.5	66.3	63.0	77.3	1.8	1.8	.503	.578	89	89	E	3	10	8	Distant $\mathcal{K}$ a. Sunny and hot p.	
6	70	72	62.5	63.1	61.1	71.5	1.1	2.1	.527	.505	93	87	SE	3	10	1	$\mathcal{K}$ 4a. $\mathcal{K}$ 6p. 9p.	
7	74	75	67.5	59.5	59.2	73.2	3.0	0.0	.559	.509	93	100	SE	4	4	2	Early a. Sunny intervals.	
8	80	81	60.0	56.4	56.3	68.3	1.4	0.7	.472	.434	92	96	SE	3	10	5	Sunny day.	
9	89	29.92	64.1	55.5	55.1	66.2	5.8	0.1	.410	.438	69	99	ENE	2	2	0	Sunny and warm.	
10	29.93	30.00	60.3	56.5	53.1	73.5	0.0	1.7	.524	.406	100	89	ENE	4	2	0	Sunny and warm.	
11	30.05	30.04	69.5	58.7	53.0	74.2	1.0	1.7	.676	.440	94	89	E	2	0	0	Sunny and warm.	
12	30.04	30.00	69.6	58.0	56.3	74.1	6.7	1.2	.476	.445	66	92	NE	3	0	0	Sunny and warm.	
13	30.01	29.95	65.5	59.5	57.0	74.6	4.0	1.8	.487	.451	78	89	E	4	2	2	Sunny and warm.	
14	29.91	82	66.3	62.5	57.0	74.1	3.6	1.2	.515	.524	80	93	ESE	4	1	9	Sunny after noon.	
15	78	84	68.0	63.1	61.0	72.2	2.3	2.0	.595	.508	87	88	SW	2	10	5	Sunny intervals.	
16	29.96	29.94	61.5	63.2	55.1	68.3	4.4	1.1	.407	.541	75	94	NNW	4	1	6	Sunny day.	
17	30.01	30.00	65.0	64.3	59.1	70.3	3.5	2.8	.494	.505	81	84	NW	4	5	8	Sunny and very warm.	
18	03	04	65.0	62.2	57.4	71.2	2.5	0.7	.527	.535	86	96	NW	3	4	1	Sunny and warm.	
19	04	04	68.5	58.0	57.0	74.3	3.0	0.2	.579	.476	83	99	SW	1	4	0	Sunny and warm.	
20	03	03	68.5	58.5	54.2	71.6	3.5	0.0	.560	.491	80	100	ENE	2	0	0	Sunny and warm.	
21	06	06	69.3	60.0	57.0	75.5	3.3	0.7	.584	.495	81	96	SE	3	0	0	Sunny and warm.	
22	30.07	30.00	68.1	59.7	58.8	75.2	3.6	3.2	.550	.414	80	81	SE	3	0	0	Sunny and warm.	
23	29.96	29.87	69.4	64.5	57.7	78.6	4.9	3.7	.530	.479	74	79	ESE	5	5	0	Sunny and warm.	
24	76	72	69.3	62.5	61.1	72.3	4.8	0.0	.531	.566	75	100	SE	6	2	0	Sunny and warm.	
25	66	84	64.5	61.9	61.5	69.8	0.0	0.4	.607	.541	100	98	S	4	10	2	Sunny and warm.	
26	87	68	65.5	60.5	56.8	70.5	1.4	0.6	.572	.507	92	96	SE	2	3	3	Sunny and warm.	
27	55	59	63.7	59.8	59.2	69.2	0.2	1.3	.582	.473	99	92	SW	3	3	3	Sunny and warm.	
28	55	62	57.0	59.9	55.1	67.1	0.3	1.4	.456	.471	93	92	SE	2	5	1	Sunny and warm.	
29	57	49	63.0	61.5	58.2	69.4	1.3	0.5	.530	.528	92	97	SSW	5	4	6	Sunny and warm.	
30	58	68	61.5	60.3	57.1	67.2	1.7	0.7	.489	.500	90	96	WNW	4	2	4	Sunny intervals. $\mathcal{K}$ 10p.	
31	29.63	29.49	62.5	59.3	56.2	65.2	3.0	1.8	.465	.448	82	89	SW	3	5	3	Sunny intervals. $\mathcal{K}$ 10p.	
Mean	29.851	29.829	65.7	60.9	57.8	72.2	3.0	1.3	.528	.495	83.8	92.5	3.2	2.6	4.5	3.0	1.389	

## WOOLACOMBE.—AUGUST 1899.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 12' W. Lat. 51° 10' N. Gravity Correction, +016 in.

1	30.30	30.17	74.8	67.0	60.6	82.4	8.1	7.3	533	416	62	63	E 1	E 2	1	2	—	
2	30.08	29.95	72.2	66.8	61.6	78.6	8.3	5.9	477	433	60	69	NE 1	E 3	3	6	—	
3	29.85	80	74.6	72.2	58.4	84.2	9.1	2.3	498	689	59	87	E 3	N 1	6	5	0.10	Distant $\mathcal{K}$ from 7.30p.
4	85	80	66.0	68.4	63.2	73.0	1.5	2.7	582	586	91	84	SE 2	NE 3	10	9	0.10	Distant $\mathcal{K}$ till 3.30a.
5	81	81	63.8	68.8	61.8	79.4	1.7	2.1	531	617	89	88	NE 3	Calu 0	9	8	0.15	Distant $\mathcal{K}$ from 8p.
6	86	88	67.8	63.6	63.4	75.2	2.9	1.9	568	520	84	69	W 1	SE 2	5	4	—	Distant $\mathcal{K}$ till 4a.
7	87	89	66.8	62.8	59.4	77.0	2.3	1.5	570	518	86	90	SW 1	E 2	3	1	0.40	$\mathcal{K}$ 3.45-4.30p.
8	29.92	29.94	62.0	63.0	59.4	70.0	2.1	4.3	483	433	87	76	E 3	NE 1	6	1	—	
9	30.01	30.04	64.2	62.8	57.8	71.0	7.6	6.0	565	384	60	67	NE 1	NE 2	5	0	—	
10	09	12	70.2	64.8	57.2	74.2	10.1	8.6	393	349	54	57	SE 2	NE 1	0	1	—	
11	19	16	72.4	65.2	58.6	76.0	10.7	7.3	413	388	52	62	NE 1	NE 1	0	1	—	
12	18	13	67.6	62.8	57.8	74.8	7.7	3.9	415	441	61	78	NE 1	NE 1	1	0	—	
13	13	30.09	68.0	63.8	55.2	75.8	6.5	3.9	456	459	66	78	NE 1	E 2	3	2	—	
14	30.06	29.97	67.6	67.8	58.2	80.4	4.9	5.7	496	473	74	69	E 1	SE 3	2	3	0.02	$\mathcal{K}$ from 9.40p.
15	29.93	29.98	70.4	64.8	63.8	73.8	3.9	1.1	586	572	79	94	W 2	W 1	5	2	—	9p.
16	30.11	30.12	64.2	62.8	60.4	65.6	4.5	3.9	449	441	75	78	W 2	W 3	2	6	—	
17	16	16	64.8	63.4	61.8	67.4	4.9	2.1	447	509	73	87	NW 3	W 2	4	1	—	
18	19	19	64.4	62.0	60.4	68.4	3.5	1.1	482	516	80	93	W 4	Calu 0	4	1	—	
19	29	17	65.8	62.2	58.6	69.8	2.7	2.5	535	475	85	85	SW 1	Calu 0	6	0	—	
20	18	17	65.6	62.6	58.4	73.0	2.1	4.9	552	410	87	73	W 1	NE 1	2	1	—	
21	21	19	70.2	65.4	59.6	77.0	5.3	5.7	538	433	73	69	W 1	E 1	6	0	—	
22	22	30.15	66.8	64.4	59.2	80.8	5.9	4.5	453	453	63	75	W 1	E 1	0	1	—	
23	30.12	29.99	70.8	65.0	59.4	81.2	8.9	7.7	434	374	58	60	E 3	E 3	1	0	—	
24	29.92	29.86	74.0	66.8	62.8	83.4	10.5	7.9	416	397	53	60	E 3	E 2	0	1	—	
25	29.87	30.02	69.8	64.0	63.8	72.0	6.1	1.3	500	548	69	92	SW 2	S 1	6	3	—	
26	30.03	29.83	67.6	60.4	58.8	74.0	4.5	4.4	509	399	75	74	S 2	E 2	3	0	0.15	
27	29.75	78	62.6	63.0	59.8	70.4	1.1	1.9	529	507	94	89	S 1	Calu 0	5	6	0.44	
28	76	81	58.2	61.2	55.8	66.6	2.2	2.3	418	464	86	85	S 3	S 3	10	8	0.34	Distant $\mathcal{K}$ 8a.
29	79	70	62.8	62.6	58.2	69.0	1.9	2.7	503	475	88	84	S 2	SW 3	10	9	0.34	
30	77	86	62.6	63.0	60.4	67.0	2.5	3.9	482	444	85	78	W 3	W 3	6	5	0.06	
31	29.81	29.67	63.4	62.4	57.4	65.6	4.5	3.9	434	428	74	78	S 3	W 4	9	7	0.32	$\mathcal{K}$ 4.20p.-5.30p.
Mean	30.006	29.981	67.2	64.4	59.7	74.1	5.1	4.1	486	470	73.8	77.8	1.9	1.7	4.3	3.0	2.40	

## SOUTHAMPTON.—AUGUST 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
	ins.	ins.	°	°	°	°	°	in.	in.	%	%					ins.		
1	30° 33	30° 20	73° 0	66° 9	57° 1	79° 2	7° 8	5° 0	508	483	63	73	ESE 2	SE 1° 5	1	1	—	Very warm all day.
2	30° 08	29° 97	76° 1	68° 6	55° 9	82° 5	10° 5	6° 0	484	481	54	69	SE 2° 5	NE 1	4	7	—	Very warm all day.
3	29° 88	29° 85	78° 4	68° 1	60° 6	87° 8	9° 7	3° 5	556	553	57	80	ENE 3	NE 3° 5	5	3	0° 05	Very warm all day. < p.
4	83	84	75° 7	68° 8	62° 9	82° 4	6° 8	4° 0	597	548	68	78	E 3° 5	ENE 3	5	1	—	Very warm all day.
5	83	83	68° 7	71° 5	62° 0	86° 4	2° 8	4° 3	589	595	84	77	ENE 2	E 2° 5	9	10	0° 20	Close and sultry. ☉ in evening.
6	87	88	70° 8	65° 7	63° 1	79° 4	4° 8	2° 7	563	533	74	84	SE 3	SW 1° 5	10	1	—	Very warm.
7	91	90	69° 3	65° 5	57° 7	71° 7	5° 3	1° 9	510	558	72	89	NE 2	SSE 1	10	9	0° 30	☉ noon—2p. T 5:30p. < p.
8	29° 91	29° 94	63° 0	63° 3	58° 0	75° 3	3° 5	5° 0	459	420	80	72	NE 2° 5	NE 2	10	5	—	Beautiful day.
9	30° 01	30° 03	62° 7	65° 5	53° 4	75° 2	4° 9	3° 5	413	503	72	80	NE 3	SE 1	10	0	—	Beautiful day throughout.
10	09	12	71° 7	65° 5	53° 9	78° 2	7° 1	4° 7	505	465	65	74	SE 3	SE 1	0	0	—	Delightfully fine, and very warm.
11	20	18	70° 3	62° 9	53° 2	77° 7	8° 3	2° 3	443	495	60	87	NE 3° 5	SE 1	0	0	—	Delightfully fine and warm.
12	18	14	70° 1	62° 7	52° 8	77° 0	7° 8	2° 9	454	472	62	83	E 3° 5	SE 1	0	0	—	Delightfully fine and warm.
13	17	11	68° 6	63° 8	55° 1	77° 4	6° 6	3° 3	462	480	66	81	E 3	ESE 1	6	0	—	Delightfully fine and warm.
14	30° 09	30° 02	73° 0	66° 0	56° 2	77° 5	7° 7	2° 5	512	547	63	86	E 2° 5	SE 1	0	1	—	Very warm all day.
15	29° 94	29° 93	74° 5	69° 9	57° 6	85° 5	6° 9	4° 1	567	571	66	77	SE 2	NE 1	3	9	—	Very hot and close all day. T 4p
16	30° 05	30° 05	66° 4	62° 9	62° 3	80° 5	7° 2	5° 3	408	405	63	70	N 3	NW 1° 5	9	9	—	Very warm, but with pleasant breeze
17	09	09	70° 4	64° 9	56° 8	78° 7	7° 8	5° 1	452	443	62	72	NW 3	WNW 1	3	0	—	Beautifully fine and very warm.
18	13	13	73° 6	66° 2	57° 9	79° 8	9° 5	4° 4	470	488	56	76	NNW 3	WNW 1° 5	3	0	—	Beautifully fine and very warm.
19	15	13	75° 9	69° 8	58° 7	81° 6	9° 4	6° 5	514	487	57	68	NNW 2° 5	N 1	1	5	—	Very hot all day.
20	18	16	73° 7	65° 5	58° 5	80° 8	7° 5	2° 0	531	554	64	88	E 0° 5	SW 0° 5	0	0	—	Very hot all day.
21	24	21	66° 0	60° 0	56° 2	78° 2	5° 4	2° 4	461	441	71	86	NE 2	SE 1	6	0	—	Delightfully fine and warm.
22	24	17	68° 5	62° 4	50° 9	74° 4	6° 8	4° 6	455	416	65	74	E 2	NE 1	1	0	—	Beautiful day throughout.
23	17	30° 08	71° 8	64° 5	51° 6	78° 0	7° 8	5° 7	485	419	62	69	E 1	SE 1	0	0	—	Very warm, but with pleasant breeze.
24	30° 03	29° 94	74° 7	69° 8	58° 3	81° 4	8° 0	7° 1	536	468	62	65	ESE 3	SE 2	0	0	—	Very hot all day.
25	29° 91	30° 00	76° 9	64° 7	64° 5	80° 6	11° 0	2° 3	486	528	53	86	SE 4	SW 0° 5	0	5	—	Very hot all day.
26	30° 03	29° 87	72° 9	64° 8	55° 6	80° 6	8° 0	5° 0	501	445	62	73	E 1	NW 1	0	1	—	Very hot all day.
27	29° 74	76	75° 2	63° 8	59° 1	80° 4	10° 1	2° 0	480	522	54	89	NW 1	SW 2° 5	3	1	0° 30	☉ 3p. and 7p.
28	77	83	68° 5	59° 7	58° 3	71° 1	5° 4	1° 3	496	470	71	92	W 1	SW 1	10	0	0° 88	☉ 11a.—noon. ☉ 2 shower 3p.
29	85	78	74° 5	63° 5	55° 0	65° 8	1° 9	0° 9	538	554	89	95	SW 3	SW 4	10	10	0° 273	Frequent ☉ showers.
30	77	85	70° 6	58° 5	58° 5	73° 6	7° 5	2° 3	471	420	63	85	SW 4° 5	WNW 0° 5	7	0	1° 26	☉ 2 shower 1p.
31	29° 85	29° 79	67° 8	62° 0	53° 6	69° 2	6° 7	2° 4	446	475	66	86	WSW 3° 5	SW 3	10	1	0° 03	☉ showers 11a. and 2p. < p.
Mean	30° 016	29° 989	71° 1	65° 1	57° 3	78° 3	7° 1	3° 7	495	492	65° 4	79° 5	2° 5	1° 5	4° 5	2° 8	0° 575	



## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

## ARMAGH.—AUGUST 1899.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +0.025 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
	ins.	ins.	°	°	°	°	ins.	ins.	%	%							ins.	
1	30°13	30°06	75°3	63°3	56°5	82°0	7°1	0°1	578	542	66	93	SW 1	SSW 1	2	0	ins.	
2	30°00	29°93	61°0	56°1	56°1	71°4	0°4	0°8	523	427	98	94	NNE 1	NNE 1	10	5	0°15	
3	29°84	29°78	66°1	63°1	55°3	72°3	3°3	2°8	521	483	81	83	NE 1	NE 2	10	5	☁ early a.	
4	29°80	29°79	64°6	60°7	57°8	69°2	3°7	2°1	481	462	80	88	ENE 1	NE 2	10	10	☁ a.	
5	29°78	29°76	65°7	57°3	55°5	68°0	5°5	0°4	444	458	70	97	ENE 1	NE 2	7	7	☁	
6	29°77	29°76	59°2	58°8	55°3	59°7	1°5	0°4	455	483	91	97	NNE 1	NE 1	10	10	☁	
7	29°81	29°85	59°6	58°3	58°0	62°7	1°4	1°5	466	441	91	90	NE 1	NE 2	10	10	☁	
8	29°90	29°91	60°1	55°6	54°5	65°6	3°5	2°9	411	362	80	81	NE 1	NE 2	10	10	☁	
9	29°97	29°98	62°4	53°2	44°3	65°2	6°4	2°5	368	338	65	83	NE 1	E 1	7	0	☁	
10	30°01	30°06	61°2	56°9	44°3	71°2	3°2	0°7	437	441	81	95	NE 1	Calmo	0	0	☁	
11	30°11	30°09	60°0	60°2	47°2	75°5	1°2	1°9	479	460	93	89	NE 0°5	Calmo	0	7	☁	
12	30°07	30°04	66°6	59°7	49°3	76°2	4°8	2°3	483	439	74	86	NE 1	S 0°5	10	8	☁	
13	30°04	29°99	68°5	61°3	50°0	74°0	5°0	4°5	510	402	73	74	S 0°5	SSE 1	10	2	☁	
14	29°90	29°78	71°4	63°6	48°0	74°2	8°5	3°6	457	466	60	79	SSE 2	SSE 2	0	7	☁	
15	29°74	29°87	63°0	53°6	53°6	69°6	1°4	1°7	526	363	92	88	SSW 3	NW 0°5	10	4	☁	
16	29°88	29°85	59°2	53°0	47°5	64°7	6°1	2°0	330	375	66	87	SW 3	W 1	8	1	☁	
17	29°92	29°95	60°0	59°8	51°5	63°8	4°1	1°9	392	454	76	88	W 1	WSW 1	10	9	☁	
18	29°93	29°99	62°6	63°0	53°2	71°2	1°0	1°0	534	540	94	94	SW 2	WSW 0°5	10	9	☁	
19	30°01	30°02	68°1	61°4	61°3	73°5	4°1	1°5	532	494	77	91	Calmo	0	10	2	☁	
20	30°06	30°04	68°2	63°0	54°8	76°3	3°3	2°6	563	482	82	84	Calmo	0	10	2	☁	
21	30°05	30°01	68°7	64°1	52°5	75°5	5°5	2°2	497	521	70	87	Calmo	0	10	2	☁	
22	30°07	30°01	67°9	63°4	52°5	80°6	3°1	2°4	564	500	82	86	Calmo	0	10	0	☁	
23	29°95	29°85	67°0	65°6	48°5	77°7	3°2	1°4	542	577	82	91	SE 3	S 3	0	2	☁	
24	29°69	29°66	71°6	65°8	58°0	75°5	9°0	3°9	447	496	57	79	SE 3	SSE 2	0	9	☁	
25	29°59	29°75	63°0	58°7	58°7	71°0	1°1	2°6	537	474	93	84	ENE 2	SW 1	10	0	☁	
26	29°82	29°60	67°7	59°9	55°7	71°6	1°7	2°2	611	446	90	87	SSE 3	SE 2	7	10	☁	
27	29°43	29°51	64°9	57°2	57°2	69°0	5°0	2°0	446	409	73	87	S 3	SSW 1	1	9	☁	
28	29°51	29°54	62°4	57°7	47°5	68°0	4°6	0°8	416	453	74	95	SSW 3	S 2	8	8	☁	
29	29°44	29°33	59°0	58°7	55°0	68°2	1°1	1°1	464	459	93	93	S 2	S 2	10	10	☁	
30	29°46	29°57	63°5	55°0	55°0	66°2	4°9	2°0	425	375	72	87	SW 2	SSW 2	9	1	☁	
31	29°52	29°39	58°8	52°6	51°1	65°7	2°9	0°1	408	395	82	100	S 1	SW 2	10	2	☁	
Mean	29°844	29°831	64°4	59°4	53°1	70°8	3°8	1°9	479	450	79°3	88°3	1°5	1°3	6°9	4°8	2°062	

## MARKREE CASTLE.—AUGUST 1899.

Height above Mean Sea Level, 122 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 8° 27' W. Lat. 54° 11' N. Gravity Correction, +0.024 in.

1	30.19	30.11	73.5	59.0	51.2	80.4	4.8	0.5	.622	.484	76	97	NE	0.5	NE	2	5	8	—	Very fine and hot.
2	30.04	29.96	65.7	66.0	57.2	71.9	2.7	2.3	.533	.554	84	87	N	1	NE	0.5	5	9	—	
3	29.87	29.80	64.0	64.6	56.2	75.2	2.6	3.4	.505	.491	84	81	ENE	2	E	1	8	9	.37	
4	29.80	29.80	62.8	61.2	59.7	72.3	1.3	2.9	.527	.446	92	83	SE	2	SE	2	10	10	.06	☉ <sup>2</sup> 5a.-6a. Fine afternoon.
5	29.80	29.78	66.8	57.6	57.3	69.5	5.7	1.4	.458	.432	70	90	ESE	2	Calmo	0	6	4	.42	☉ <sup>2</sup> early a.
6	29.76	29.78	58.4	60.2	54.7	65.2	1.4	1.4	.445	.476	91	92	SSE	1	SSE	1	10	10	.02	
7	29.82	29.88	65.6	61.9	58.1	67.7	3.2	2.1	.516	.483	82	88	ESE	2	SSE	2	8	10	—	
8	29.90	29.95	63.2	55.2	55.1	70.2	4.2	1.3	.458	.398	76	91	SSE	2	S	0.5	8	3	—	
9	30.01	30.02	63.7	54.1	44.2	73.2	5.7	1.1	.406	.387	68	92	SSE	1	E	0.5	2	1	—	☉ <sup>2</sup> a. Very fine. ☼ <sup>0</sup> (mist) n.
10	30.06	30.09	63.4	55.7	39.6	72.3	5.1	0.9	.419	.419	72	95	E	1	NNE	0.5	4	1	—	Very fine.
11	30.13	30.13	67.3	57.7	43.3	76.8	6.6	1.3	.441	.437	66	92	SE	1	Calmo	0	0	1	—	☉ <sup>2</sup> a. Fine day. ☼ <sup>0</sup> (mist) n.
12	30.13	30.08	68.7	61.2	45.5	77.3	5.8	2.2	.489	.467	70	87	S	0.5	SSE	1	5	0	—	Fine and hot. ☼ <sup>0</sup> (mist) n.
13	30.08	30.02	69.2	63.3	48.7	76.9	7.5	5.0	.447	.420	62	72	SE	1	SSE	2	0	1	—	
14	29.95	29.81	68.6	61.2	51.0	76.3	5.8	1.6	.487	.487	70	91	S	1	Calmo	0	0	7	.23	☉ <sup>2</sup> 11.30p.
15	29.81	29.96	67.3	55.6	55.3	69.8	4.5	3.7	.505	.342	75	77	W	2	Calmo	0	7	2	—	
16	29.93	29.96	61.7	57.0	41.5	68.2	5.3	2.7	.386	.385	70	83	S	4	SSW	1	9	8	.01	☉ showers.
17	30.02	30.05	60.5	57.5	51.1	64.3	4.4	1.2	.392	.436	75	92	SW	1	S	1	10	10	.01	
18	30.02	30.08	64.9	63.0	56.5	67.2	2.6	1.3	.522	.530	85	92	SW	2	Calmo	0	10	9	.13	
19	30.07	30.10	68.8	61.0	57.8	74.1	5.0	0.7	.515	.513	73	96	SSE	0.5	NE	1	6	9	—	☉ a.
20	30.12	30.07	69.0	56.8	55.1	75.8	4.6	0.8	.531	.437	75	94	N	0.5	Calmo	0	2	0	—	☼ <sup>0</sup> (mist) early a. Fine day.
21	30.10	30.12	68.8	58.3	53.4	76.0	4.9	1.3	.519	.446	74	91	S	1	Calmo	0	2	0	—	Very fine. ☼ <sup>0</sup> (mist) n.
22	30.11	30.05	70.0	65.5	46.1	79.4	5.1	3.5	.538	.503	73	80	Calmo	0	SE	2	0	2	—	
23	29.95	29.85	69.4	64.4	55.2	78.3	6.9	4.9	.468	.441	65	73	SSE	3	SSE	3	0	1	—	
24	29.67	29.65	69.3	68.2	57.7	76.3	6.3	3.4	.433	.559	67	81	SE	4	S	4	4	9	.01	
25	29.57	29.80	66.1	57.3	57.0	71.8	3.1	1.7	.528	.418	82	89	SSE	4	SSE	1	10	2	—	☉ in evening.
26	29.80	29.55	65.3	60.3	50.9	72.2	3.8	1.4	.490	.478	79	91	SE	3	S	5	7	10	.14	☉ early a.
27	29.44	29.54	65.4	53.0	52.6	67.3	5.5	1.2	.439	.369	71	92	S	4	SSE	0.5	8	2	.23	
28	29.54	29.57	60.6	57.2	47.6	67.0	4.3	1.4	.396	.426	76	91	S	1	Calmo	0	6	10	.32	☉ showers. Bright intervals.
29	29.45	29.40	62.9	57.0	55.1	65.7	2.5	0.5	.488	.450	85	97	S	1	Calmo	0	7	10	.68	☉ <sup>2</sup> with bright intervals.
30	29.57	29.67	61.2	54.8	52.7	63.8	2.9	1.8	.446	.378	83	88	SSW	1	SW	2	6	5	.04	
31	29.54	29.48	57.5	54.0	50.5	61.7	1.8	0.5	.419	.403	88	97	SSW	2	Calmo	0	10	7	.25	
Mean	29.879	29.873	65.5	59.3	52.2	71.7	4.4	1.9	.478	.448	76.1	88.5	1.7	1.1	5.6	5.5	2.92			

## DUBLIN (PHENIX PARK).—AUGUST 1899.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.022 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	
1	ins.	ins.	30°5	61°5	49°6	74°1	5°0	1°7	55°1	48°9	74	90	Calm	0	0	2	ins. — Beautiful day.	
2	30°22	30°11	63°4	56°1	52°6	70°3	2°0	0°7	51°4	43°0	88	95	E	1	2	2	— Beautiful day.	
3	29°85	29°96	67°4	61°4	52°9	70°4	4°2	1°5	51°6	49°4	77	91	NE	1	2	5	250 Beautiful day. < p.	
4	29°81	29°81	61°9	60°9	58°6	66°8	1°7	1°5	49°6	48°4	90	91	Calm	0	7	8	005 K 30-40. Cloudy day.	
5	29°79	29°78	60°6	59°1	57°3	66°7	2°2	1°4	45°8	45°7	86	91	NE	1	8	2	1-390 Cloudy day. K 20-2 from 11 p.	
6	29°78	29°81	58°1	58°8	56°7	62°8	0°6	0°5	46°5	48°0	96	97	NE	1	10	2	015 K 20 till 7 a. Dull day.	
7	29°84	29°87	59°7	57°4	54°5	64°1	0°4	1°0	49°9	44°1	98	94	E	1	10	4	000 Dull and cloudy. 20 11 a.	
8	29°92	29°94	59°4	52°8	52°6	63°6	2°9	1°0	41°7	37°2	83	93	ENE	1	7	2	— Cloudy a. Bright p.	
9	30°01	30°03	60°3	48°2	47°6	62°5	5°8	0°5	35°4	32°5	68	97	E	1	1	0	— Beautiful day. 20 from 8 p.	
10	30°04	30°10	64°5	46°4	41°9	66°6	4°1	0°5	46°6	44°0	77	97	Calm	0	2	2	— till 5 a. Beautiful day.	
11	30°16	30°14	64°8	54°3	44°6	70°8	4°6	0°7	45°6	40°2	75	95	Calm	0	0	0	— Beautiful day.	
12	30°12	30°10	65°0	54°6	46°5	70°8	4°0	0°5	47°8	41°3	78	97	Calm	0	0	0	— Beautiful day. 20 from 7 p.	
13	30°09	30°05	68°1	54°9	48°3	71°8	6°1	0°8	46°9	40°8	68	95	Calm	0	0	0	— till 7 a. Beautiful day.	
14	29°97	29°87	67°4	57°2	48°6	73°3	5°2	0°5	48°4	45°3	72	97	ESE	1	0	2	185 Beautiful day.	
15	29°84	29°85	68°6	53°2	52°4	71°9	1°4	1°7	51°9	35°8	91	89	Calm	0	7	2	—	
16	30°00	29°95	59°0	59°0	44°9	66°9	5°1	1°7	35°2	44°5	71	90	WSW	1	2	8	010 Bright a. Cloudy p. 20 7 p.	
17	30°02	30°04	61°7	59°6	51°5	67°7	4°7	2°1	40°2	44°4	73	87	WSW	1	6	4	—	
18	30°03	30°08	64°0	64°5	54°9	72°5	3°8	2°0	46°7	53°5	78	88	W	1	7	8	—	
19	30°09	30°08	63°2	56°1	55°7	73°2	2°4	0°2	49°7	44°5	86	98	Calm	0	7	0	— 7 p.-10 p. U	
20	30°12	30°10	67°5	57°7	52°0	70°0	5°3	0°5	48°2	46°1	71	96	Calm	0	2	0	— Beautiful day. 20 from 8 p.	
21	30°12	30°12	60°3	58°6	49°0	71°1	0°2	0°4	51°7	48°0	99	97	Calm	0	10	0	— till 10 a. Beautiful day.	
22	30°13	30°06	69°9	58°8	46°7	73°6	5°4	1°1	52°6	46°1	72	94	Calm	0	0	0	— Beautiful day.	
23	30°00	29°92	68°1	57°1	50°2	74°0	5°8	1°5	47°8	42°1	70	90	Calm	0	2	0	— Beautiful day.	
24	29°75	29°74	71°5	60°4	52°9	77°9	7°3	1°8	49°4	46°6	64	90	Calm	0	6	2	055 20 showers.	
25	29°64	29°85	63°3	56°0	54°8	71°8	2°2	0°6	50°5	43°1	87	96	E	1	8	2	040 Beautiful day.	
26	29°88	29°68	66°6	62°4	47°9	71°7	6°6	4°3	42°8	42°5	66	76	Calm	0	4	8	040 Beautiful day.	
27	29°52	29°59	65°1	55°6	55°2	71°2	4°2	1°0	47°4	44°4	77	93	SW	1	7	5	125 Cloudy day. 20 showers p.	
28	29°63	29°53	58°7	45°0	66°0	66°0	2°4	2°1	47°4	39°8	84	87	Calm	0	5	8	040 Cloudy day.	
29	29°54	29°43	64°7	58°0	52°4	68°4	5°3	1°9	43°4	42°4	71	88	SW	1	8	4	170 Cloudy day. 20 showers. < p.	
30	29°57	29°68	60°7	54°1	53°8	66°6	3°5	2°1	42°0	35°9	79	85	W	1	6	4	125 20 showers.	
31	29°61	29°47	60°1	54°2	50°6	63°3	4°2	0°6	39°1	40°3	76	96	SW	1	5	2	370 Cloudy a. 20 showers till 7 p.	
Mean	29°906	29°894	63°8	57°3	51°0	69°4	3°8	1°2	46°5	43°4	78°9	92°3	0°5	0°1	4°4	2°8	2°800	



## DEERNESS.—SEPTEMBER 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.	Percentage.	9 a.m.	9 p.m.	9 a.m.			9 p.m.
							9 a.m.	9 p.m.								
1	ins.	ins.	53.2	51.8	51.0	54.8	0.2	1.0	399	99	93	NE 1	ENE 1	10	10	ins.
2	29.38	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	0.05
3	29.39	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
4	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
5	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
6	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
7	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
8	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
9	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
10	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
11	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
12	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
13	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
14	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
15	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
16	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
17	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
18	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
19	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
20	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
21	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
22	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
23	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
24	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
25	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
26	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
27	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
28	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
29	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
30	29.41	29.41	51.7	51.2	49.2	52.2	1.4	1.4	347	340	90	E 3	Calm 0	10	10	—
Mean	29.418	29.438	50.9	49.5	45.9	54.4	2.2	2.0	322	308	85.6	3.3	3.0	6.8	6.7	4.590

## DUNROBIN CASTLE.—SEPTEMBER 1899.

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

1	29.55	29.54	58.2	54.2	54.0	61.2	3.2	1.0	390	391	80	93	W	W	—	—	—	Fine a. Dull p.
2	53	56	58.0	54.0	52.0	63.0	2.2	1.0	415	388	86	93	W	W	—	—	—	Fine a. ☉ showers p.
3	76	83	55.2	54.0	50.2	60.0	1.2	1.0	401	388	92	93	SW	W	—	—	—	Fine day.
4	80	61	59.2	63.0	52.2	67.0	1.4	4.2	458	437	92	76	SE	W	—	—	—	Dull and cloudy.
5	70	81	59.8	53.0	53.0	66.0	4.8	2.2	371	342	72	85	W	W	—	—	—	Bright p.
6	81	86	58.8	56.8	52.0	64.0	5.8	4.8	332	330	67	71	NW	W	—	—	—	Breezy p.
7	85	29.81	60.2	50.0	50.0	65.0	4.4	2.0	388	309	74	86	W	W	—	—	—	
8	29.86	30.01	55.2	53.0	49.0	59.0	5.2	3.0	301	322	69	80	W	W	—	—	—	Dull and breezy a. Fair p.
9	30.01	12	57.2	55.0	49.0	61.0	7.0	0.5	285	418	61	97	W	W	—	—	—	Fair a.
10	30.07	09	59.8	52.0	46.0	61.8	1.6	3.5	463	299	90	77	SE	E	—	—	—	Dull and mild.
11	29.87	30.00	59.2	57.2	49.0	66.0	4.4	2.0	373	409	74	87	SW	E	—	—	—	Dull a. Cloudy p.
12	29.91	29.93	54.8	50.0	48.0	63.8	2.6	4.0	357	265	83	74	SW	W	—	—	—	Dull a. Fine p.
13	30.03	30.07	56.2	55.0	49.2	59.2	3.2	2.0	362	375	80	87	S	SW	—	—	—	
14	29.90	29.98	55.2	50.0	46.0	60.0	9.4	1.0	219	334	50	93	W	SW	—	—	—	☉ showers.
15	61	38	56.0	54.2	42.2	57.5	4.8	1.4	322	380	71	91	W	NW	—	—	—	☉ a. Dull day.
16	56	67	54.8	47.0	45.0	62.2	2.8	1.8	351	280	82	87	NW	W	—	—	—	Fine and warm.
17	42	21	53.8	49.0	46.0	59.8	2.8	4.0	337	255	81	73	SW	W	—	—	—	
18	14	39	51.0	47.0	42.2	56.0	5.2	1.8	251	280	67	87	W	W	—	—	—	Dull, with ☉ showers.
19	22	23	51.8	46.2	44.0	56.2	2.0	1.0	333	290	87	93	NW	W	—	—	—	☉ showers.
20	33	54	50.2	45.2	44.8	55.8	2.2	1.2	307	273	85	91	NW	W	—	—	—	☉ showers.
21	63	47	53.0	49.0	43.0	58.0	6.0	2.8	257	280	64	80	W	W	—	—	—	Clear a. ☉ p.
22	28	66	48.8	44.0	38.0	57.0	4.0	4.0	253	205	73	71	NW	W	—	—	—	Fine a. ☉ showers p.
23	44	64	44.0	46.2	39.0	57.0	1.8	1.4	248	281	86	91	SW	NW	—	—	—	☉ showers p.
24	84	52	45.8	43.2	40.0	51.2	3.6	1.0	231	257	75	92	NW	NW	—	—	—	☉ showers p.
25	53	09	46.2	49.0	40.0	51.2	2.2	2.8	263	288	85	81	SW	W	—	—	—	Cloudy and close a. ☉ showers p.
26	05	04	47.2	45.2	41.0	52.0	3.4	2.2	247	263	77	85	NW	NW	—	—	—	Clear, breezy and cold.
27	23	45	48.8	40.2	40.0	52.5	2.6	2.2	283	205	81	83	W	NW	—	—	—	Dull a. Clear p.
28	59	64	47.0	52.2	39.0	54.0	3.8	7.2	237	226	74	58	NW	E	—	—	—	Fine, clear and sunny.
29	71	83	50.2	48.0	40.0	53.0	4.4	1.5	259	297	72	90	SE	E	—	—	—	Dull and chilly.
30	29.82	29.74	50.8	52.0	45.0	56.2	0.6	1.0	357	361	95	93	E	E	—	—	—	Stormy from S.E.
Mean	29.639	29.660	53.5	50.6	45.6	58.9	3.6	2.3	322	314	77.5	84.6	—	—	—	—	—	4.81

## BRAEMAR.—SEPTEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.					
							Dep. of Wet.		Vapour Tension.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 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.	°	°	°	°	3.1	2.5	in.	in.	%	%	SW	1	SW	0.5	8	4	ins.	—	Fine day.
2	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	80	83	SW	0.5	SW	0.5	7	4	25	☉ showers.	
3	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	339	340	79	80	SW	1	SW	0.5	8	4	05	☉ showers.	
4	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	79	87	SW	1	SW	0.5	8	6	04	Fine day.	Gusty ↗.
5	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	80	SW	1	SW	0.5	7	0	—	Fine day.	
6	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	70	SW	1	SW	0.5	7	0	—	Fine day.	
7	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	62	SW	2	SW	1	4	7	—	Fine day.	
8	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	81	SW	0.5	SW	0.5	8	9	01	☉ showers.	
9	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	78	NW	1	SW	1	6	6	02	Fine day.	
10	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	72	NW	2	NW	1	7	2	—	Fine day.	
11	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	69	NW	2	NW	0.5	7	3	17	Fine day.	
12	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	81	NW	2	SW	0.5	8	3	—	Fine day.	
13	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	81	W	0.5	SW	0.5	1	8	10	Fine day.	
14	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	91	SW	0.5	SW	0.5	9	9	02	☉ showers.	
15	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	85	SW	0.5	NW	0.5	9	7	03	☉ showers.	
16	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	85	SW	0.5	SW	0.5	10	7	39	Dull and gusty, with ☉.	
17	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	81	N	1	NW	0.5	6	8	01	Fine day.	
18	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	81	SW	2	SW	0.5	8	9	16	☉ showers.	
19	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	73	W	2	SW	0.5	8	8	09	☉ a. Gusty, with ☉ p.	
20	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	87	SW	4	SW	0.5	8	8	09	☉ showers.	
21	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	89	W	4	NW	1	8	10	15	Dull and damp.	
22	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	77	SW	0.5	SW	1	8	8	04	Fine day.	
23	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	72	SW	6	SW	4	8	6	35	Dull and cold, with ☉.	
24	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	85	SW	6	SW	6	10	10	21	Dull and cold, with ☉.	
25	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	92	W	0.5	SW	1	7	8	14	Fair a. ☉ p.	
26	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	79	SW	4	SW	6	10	5	17	Gusty, with ☉ p.	
27	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	77	SW	0.5	N	1	7	4	02	☉ showers.	
28	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	84	SW	0.5	SW	0.5	6	7	05	Fine day.	
29	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	86	SW	0.5	SW	0.5	8	10	38	Dull and damp. ☉ p.	
30	28.41	28.42	54.4	53.4	45.7	62.3	3.1	2.5	338	340	75	86	NE	10	NE	6	10	10	1.91	Stormy, with ☉ all day.	
Mean	28.481	28.500	49.3	47.6	41.8	54.8	3.0	2.6	284	275	79.9	82.0	2.1	1.8	7.5	7.0	4.92				



## DUNDEE.—SEPTEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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.	62.1	56.3	47.1	69.7	3.6	1.8	.441	.401	79	88	SW	1	NW	1	ins.	Sunny day.	
2	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	1	NW	1	5	10	☉ showers 2p.-7p.
3	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	2	W	1	10	10	☉ 9a.-1p.
4	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	SW	2	SW	1	10	5	☉ Dull day.
5	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	NW	1	W	2	10	0	☉ 7a.-10a.
6	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	2	W	1	5	5	☉ Fine day.
7	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	2	W	1	10	10	☉ Cloudy day.
8	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	NW	2	NW	2	5	10	☉ Dull from 11a.
9	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	4	NW	2	10	10	☉
10	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	NW	1	SE	1	10	10	☉
11	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	SE	1	SE	1	10	5	☉ Cloudy day.
12	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	SW	1	W	1	10	7	☉
13	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	SW	1	SE	1	10	10	☉ from 6a.
14	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	1	N	1	7	5	☉ shower 1p.
15	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	SW	1	W	1	10	7	☉ 6a.-4p.
16	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	NW	2	NW	1	7	7	☉
17	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	4	W	6	10	10	☉
18	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	6	NW	1	5	7	☉ (gale) 11a.-3p.
19	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	2	W	1	5	7	☉
20	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	NW	6	NW	1	10	10	☉ Dull day.
21	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	4	W	1	5	10	☉ Dull from 1p.
22	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	6	NW	2	10	10	☉ (gale) 10a.-5p.
23	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	W	4	W	1	10	5	☉ showers till 3p.
24	29.42	29.41	57.4	53.4	49.7	65.6	2.9	0.9	.387	.383	82	94	NW	1	W	1	5	10	☉ 2.30 p.-7p.
25	29.39	29.04	50.2	47.4	37.4	53.9	1.7	1.7	.320	.286	89	88	SW	1	SW	6	10	10	☉ 1p.-7p.
26	28.91	28.83	44.2	47.8	41.0	53.7	1.2	3.3	.263	.256	92	78	SW	4	W	4	10	5	☉ Dull and cloudy.
27	29.05	29.26	48.3	43.9	42.5	55.7	3.6	2.2	.255	.240	75	84	W	4	W	2	5	10	☉ noon and 3p.
28	29.45	29.50	46.6	41.4	35.8	57.6	3.7	1.6	.235	.228	74	88	NW	1	SW	1	5	10	☉ Dull from 2p.
29	29.53	29.61	45.6	48.9	39.2	56.0	0.9	1.9	.286	.299	94	87	SE	1	SE	1	10	10	☉ from 11a.
30	29.47	29.40	48.6	51.8	44.3	52.0	1.1	1.1	.315	.356	93	92	NE	10	SE	12	10	10	☉ (violent gale) all day.
Mean	29.518	29.521	53.3	51.0	45.5	61.3	2.9	2.2	.335	.323	81.5	85.3	2.6	1.9	8.3	8.2	3.89		

## GLASGOW.—SEPTEMBER 1899.

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

1	29.42	29.41	58.2	55.7	51.2	64.6	4.4	1.2	.360	.410	74	93	W	2	W	1	3	4	.180	☉ shower 1.30p.	
2	41	54	52.9	54.9	52.9	63.4	1.1	2.8	.370	.353	93	82	W	1	W	1	10	3	.160	☉ a.	
3	65	74	54.7	59.2	51.3	61.4	0.8	0.6	.406	.484	95	97	S	1	Calm	0	10	10	.050	☉ a. and p.	
4	68	55	61.9	63.4	57.2	67.8	3.1	1.6	.453	.527	82	91	SW	2	SW	4	10	10	.140	Squally ☉ p.	
5	63	71	53.4	55.3	53.2	64.1	1.2	3.0	.474	.354	91	81	SW	1	SW	2	10	3	—	Dull and cloudy.	
6	77	80	56.6	53.9	48.3	63.1	3.3	2.6	.365	.343	79	83	W	2	W	1	6	2	—	Dull and cloudy.	
7	75	69	59.1	52.4	52.4	64.3	2.6	2.4	.421	.412	84	84	SW	1	W	2	10	10	—	Dull and cloudy.	
8	85	94	56.4	53.1	46.3	59.2	7.6	2.8	.666	.329	58	81	N	2	SW	1	9	5	.039	Dull and cloudy.	
9	89	29.94	54.2	52.4	50.3	62.1	2.0	3.8	.364	.297	86	76	W	2	NW	2	10	0	—		
10	96	30.00	52.1	52.4	49.2	57.1	3.3	2.3	.304	.331	78	84	NW	1	W	1	10	7	.025	Overcast day.	
11	85	29.90	60.2	54.7	51.2	63.3	1.1	2.6	.485	.355	94	83	W	2	W	1	10	4	.006	☉ a.	
12	90	87	55.9	58.6	48.9	64.7	1.8	2.3	.395	.422	89	86	NE	1	SW	2	10	10	.018	☉ a. Dull and overcast.	
13	83	87	58.7	48.7	48.7	62.2	1.7	3.3	.440	.266	89	78	SW	2	W	1	10	4	.051	☉ a.	
14	79	86	55.6	48.1	46.1	60.1	2.3	2.1	.377	.284	85	85	W	2	SW	1	10	0	.118	☉ shower 9.30a.	
15	67	25	48.3	47.2	42.6	57.9	1.5	1.5	.301	.339	90	90	SW	2	W	1	10	10	.380	☉ a. and in afternoon.	
16	36	53	54.8	53.2	47.2	63.2	4.5	2.2	.311	.344	73	85	N	2	Calm	0	2	9	.010	☉ a.	
17	35	27	56.8	48.1	48.1	59.1	3.5	1.9	.362	.289	78	86	W	3	W	2	10	8	.361	☉ showers. < n.	
18	19	34	50.1	50.1	45.4	54.1	2.6	3.3	.297	.281	82	78	W	1	W	2	3	10	.292	☉ Cloudy, with squally ☉ showers.	
19	18	12	52.7	47.8	47.4	56.3	1.9	2.0	.347	.283	88	86	W	3	W	2	10	2	.348	☉ Cloudy, with squally ☉ showers.	
20	18	41	47.2	47.1	44.8	53.8	1.4	2.1	.291	.274	91	85	W	2	W	2	10	4	—	☉ Cloudy day.	
21	55	32	50.9	47.7	44.1	54.1	4.2	3.2	.271	.257	73	79	W	2	W	2	10	10	.100	☉ from 9.30p.	
22	27	56	48.6	46.6	42.2	52.4	5.5	3.9	.222	.231	65	73	W	3	W	2	5	5	.178	☉ showers a. Squally ☉.	
23	42	51	45.7	43.9	43.2	50.6	1.5	2.6	.273	.231	90	80	W	2	SW	2	10	0	.158	☉ a. Squally ☉.	
24	68	37	47.2	48.7	43.3	51.1	3.0	2.0	.255	.296	79	86	W	1	W	1	9	4	.144	Dull a. ☉ p.	
25	29.38	29.10	51.8	47.4	47.3	55.1	2.1	2.6	.331	.267	86	83	SW	2	W	2	10	9	.516	Dull and cloudy. ☉ p.	
26	88.89	28.95	44.7	46.9	42.2	52.0	1.6	2.9	.259	.254	88	80	SW	1	W	2	8	2	.140	☉ 7a. ☉ a.	
27	29.09	29.26	48.4	44.4	44.2	53.9	3.2	1.9	.264	.251	78	86	W	1	NW	1	7	3	.050	☉ a. and p.	
28	44	47	41.5	43.8	38.1	51.1	2.1	1.0	.219	.264	84	92	Calm	0	S	2	5	10	.090	☉ (mist) a. ☉ p.	
29	49	54	42.2	44.7	37.6	50.1	0.9	2.2	.250	.247	92	84	E	1	E	2	9	9	.058	☉ (mist) a. Dull day. < n.	
30	29.35	29.25	49.4	52.1	43.1	52.4	2.4	1.4	.293	.352	84	90	E	3	E	4	10	9	.545	☉ ga. Squally ☉.	
Mean	29.529	29.536	52.3	51.1	46.8	58.2	2.6	2.3	.331	.321	83.3	84.2	1.7	1.6	8.5	5.9	4.257				

## LADYLAW.—SEPTEMBER 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.			Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
------	------------------------	--	------------------	--	--	--	--	-----------	--	--	---------------------------	--	---------------	--	--------------------------	----------



## CRONKBORNE.—SEPTEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	57.5	57.5	48.0	64.0	0.5	1.0	458	443	97	94	WNW <sub>3</sub>	W 3	9	10	ins. Cloudy day. ☉ showers n.
2	29.52	29.51	57.5	57.5	48.0	64.0	0.5	1.0	458	443	97	94	WNW <sub>3</sub>	W 3	9	10	☉05 Fine day. ☉ showers n.
3	52	65	58.8	55.4	53.0	64.5	2.3	1.9	425	385	86	88	NW 3	NW 1	3	2	☉10 Cloudy day.
4	76	84	58.0	60.0	48.0	66.4	0.6	0.4	463	505	96	98	SSW 3	SSW 2	10	6	☉ Very fine. ☉ p.
5	80	71	65.0	60.1	58.2	68.3	3.2	0.2	504	514	82	98	SSE 4	SW 2	2	0	☉ Dull day.
6	70	80	65.4	58.6	58.2	66.8	2.4	1.6	538	442	86	90	WSW <sub>3</sub>	NNW <sub>1</sub>	8	9	☉ Fine day. ☉ p.
7	83	86	62.0	54.0	51.0	67.8	4.8	2.2	405	355	73	85	E 2	NNW <sub>2</sub>	8	1	☉ Very fine. ☉ p.
8	83	29.78	64.0	52.8	46.0	69.7	4.8	1.4	437	361	73	90	SE 1	WNW <sub>1</sub>	0	0	☉ Fine day. ☉ p.
9	29.91	30.03	62.8	55.0	50.0	65.5	6.8	2.5	363	362	64	84	NNW <sub>4-5</sub>	NNW <sub>2</sub>	3	2	☉ Dull day. ☉ showers from 3p.
10	30.05	30.03	57.2	56.2	51.0	61.5	2.7	1.2	389	416	83	92	WNW <sub>3</sub>	WNW <sub>1</sub>	7	8	☉03 ☉ showers a. ☉ Dull day.
11	30.07	30.07	57.0	54.0	52.8	59.0	3.2	0.2	372	412	80	99	NW 2	W 1	9	7	☉10 ☉ Dull day. ☉ p.
12	30.01	29.99	62.6	58.0	53.8	68.0	1.1	1.1	529	443	93	92	WNW <sub>3</sub>	WNW <sub>2</sub>	10	1	☉05 ☉ Dull day. ☉ p.
13	29.99	29.97	63.2	59.8	55.4	66.5	1.5	1.6	527	463	91	90	WNW <sub>1</sub>	Calm 0	9	9	☉ Dull and overcast.
14	93	96	60.0	51.0	49.2	63.0	1.1	3.8	482	281	93	75	W 2	NW 2	10	2	☉01 ☉ Dull day.
15	92	95	61.4	51.0	44.8	66.2	2.6	1.0	458	348	85	93	NW 3	WNW <sub>1</sub>	6	6	☉02 ☉ Dull and overcast.
16	81	42	56.8	54.8	37.4	57.9	1.4	2.9	420	349	90	81	SW 4	W 5	9	2	☉393 ☉ Dull and overcast. Squally p.
17	46	63	56.5	55.8	52.0	62.8	1.4	2.4	415	377	91	84	NW 5	NW 5-6	7	8	☉007 ☉ showers a. Fine p. Squally p.
18	55	51	58.0	56.0	52.1	62.6	2.2	2.4	415	308	86	68	WSW <sub>4</sub>	W 6-7	10	3	☉017 ☉ a. Fine p. Squally p.
19	45	54	56.0	52.4	51.5	60.1	5.5	3.9	306	295	68	75	WNW <sub>6-7</sub>	W 4	5	3	☉098 ☉ Fine day. Squally
20	43	30	55.2	53.4	51.0	58.2	3.1	4.4	350	295	81	72	WSW <sub>5-6</sub>	WNW <sub>5-6</sub>	9	6	☉028 ☉ Dull with squally ☉ showers.
21	40	58	54.2	49.0	48.0	57.0	5.6	2.8	278	289	66	83	WNW <sub>7-8</sub>	WNW <sub>4</sub>	6	2	☉ Fine day. Squally
22	68	33	54.3	47.8	46.6	56.2	4.9	0.8	295	312	70	94	WNW <sub>4-5</sub>	E 5-6	2	10	☉944 ☉ Dull day. Squally ☉2 n.
23	51	69	50.8	49.1	44.4	55.9	4.4	1.5	265	311	71	89	WNW <sub>6-7</sub>	NW 8	4	3	☉019 ☉ Fine day. Squally
24	65	67	51.5	50.0	46.4	57.6	1.3	3.2	347	282	91	79	W 6	WNW <sub>7-8</sub>	10	7	☉201 ☉ Squally ☉2 showers. ☉ showers from 3p.
25	78	55	51.0	53.0	48.0	56.4	2.6	3.0	309	322	82	80	WNW <sub>4</sub>	WNW <sub>6-7</sub>	9	4	☉193 ☉ Squally ☉2 showers. ☉ showers from 3p.
26	53	34	54.4	50.3	50.3	57.1	2.1	4.3	364	262	86	72	WSW <sub>3</sub>	W 5-6	10	0	☉217 ☉ ☉2 showers from 3p. Squally
27	20	16	51.8	49.6	49.0	56.8	4.1	1.4	283	319	74	90	W 6-7	W 7-8	5	10	☉023 ☉ Squally ☉2 showers.
28	22	30	50.6	45.8	44.2	55.4	3.1	1.2	292	280	79	91	W 3	NW 2	7	7	☉020 ☉ Fine day. ☉ showers from 6p.
29	50	56	52.6	46.0	35.8	56.6	4.9	1.5	275	276	70	90	W 2	WNW <sub>2</sub>	4	8	☉014 ☉ Fine day. ☉ showers n. ☉2 n.
30	53	48	45.4	46.0	35.6	50.5	1.3	1.8	273	269	91	87	Calm 0	NNE 3	9	6	☉297 ☉ a. Dull, with ☉ showers. ☉2 n.
31	29.16	29.17	47.4	50.0	44.2	56.3	0.3	3.2	320	282	98	79	NNE 6-7	E 5-6	10	7	☉148 ☉ Squally ☉ showers. ☉2 n.
Mean	29.655	29.645	56.7	53.1	48.5	61.2	2.9	2.1	385	352	82.5	86.1	3.7	3.5	7.0	5.0	3.334

## STONYHURST.—SEPTEMBER 1899.

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

1	29.29	29.31	60.0	56.0	52.0	63.6	4.6	2.0	37.9	39.1	73	87	WSW 1	Calm 0	8	10	☉ showers p.
2	28	43	56.5	55.5	53.1	62.0	2.1	2.0	39.5	38.4	86	87	swbyW 2	WbyS 1	10	8	Fine and sunny.
3	58	67	61.0	57.0	50.5	65.0	3.3	2.0	43.0	40.5	81	87	SW 2	Calm 0	9	7	Fine and sunny.
4	65	53	63.0	63.0	53.5	71.5	4.3	3.6	43.4	45.5	76	79	S 2	WbyN 1	9	6	Fine and sunny all day.
5	49	56	67.5	60.6	57.7	70.7	4.0	1.6	32.5	47.6	78	90	Calm 0	SW 1	8	0	Bright and sunny.
6	60	61	61.0	57.3	56.8	64.2	2.2	1.8	46.4	41.6	87	88	Calm 0	Calm 0	10	0	☉ showers a. Dull with ☉ (mist).
7	60	56	58.4	56.5	46.9	67.0	3.4	2.5	38.8	38.4	79	84	NEbyE 1	WbyN 1	0	4	Fine and sunny.
8	64	77	59.6	54.9	45.3	62.5	2.1	5.4	44.4	29.2	87	68	swbyW 1	NW 2	10	7	Bright intervals.
9	81	78	57.3	54.7	51.1	60.2	4.3	3.7	34.8	32.8	74	76	WbyS 1	WbyN 2	10	0	Distant T p.
10	78	84	53.9	49.9	49.3	57.3	4.4	3.4	30.1	27.7	72	78	Calm 0	Calm 0	10	3	☉ showers.
11	79	74	51.5	59.5	46.3	62.3	1.1	2.0	35.1	44.5	92	88	Calm 0	SSW 1	10	10	☉ showers.
12	78	76	55.0	57.6	49.6	65.7	1.6	2.0	38.6	41.5	89	87	Calm 0	Calm 0	9	9	☉ showers.
13	72	69	58.0	57.0	51.6	63.0	2.5	3.2	40.7	37.2	84	80	Calm 0	W 1	10	10	Overcast, with ☉ showers.
14	69	68	56.3	55.0	44.3	60.8	5.1	3.5	31.8	33.7	69	78	WNW 2	WNW 2	9	2	Bright and sunny a.
15	62	18	54.5	57.5	40.3	58.0	5.5	2.0	28.4	44.4	67	87	swbyS 1	WbyS 4	8	10	Bright and sunny a. ☉ p.
16	16	38	57.1	54.9	51.1	61.3	4.7	3.4	33.6	33.9	72	81	WNW 2	WNW 2	9	3	Fine and bright.
17	31	60	55.0	55.0	52.7	60.3	3.7	1.0	40.3	40.3	78	93	WSW 3	WbyS 4	9	7	Fine day.
18	16	27	54.0	53.5	49.2	56.3	5.0	4.5	28.8	29.3	69	71	WbyS 6	W 5	10	10	Squally ☉ (gale) ☉ showers.
19	19	05	54.8	52.6	50.0	57.6	3.8	4.0	32.7	29.5	76	75	WSW 5	WbyS 4	10	4	Squally ☉ showers.
20	12	30	47.0	48.5	43.1	53.0	1.0	2.6	29.8	27.9	93	82	WbyS 1	WbyS 4	10	10	Squally ☉ showers.
21	47	20	49.0	47.3	45.4	56.3	2.5	2.8	28.7	26.1	83	81	WSW 1	EbyN 1	10	10	☉ showers.
22	24	45	44.4	49.0	41.3	52.3	2.4	3.2	24.0	27.2	82	78	W 4	W 4	10	10	Squally ☉ (gale) T ☉ showers.
23	46	41	53.3	47.0	45.5	54.3	4.8	2.7	28.5	26.0	70	81	WbyW 4	WbyN 3	9	4	Squally ☉ showers.
24	54	29	50.3	54.5	43.4	55.0	2.7	3.0	29.7	34.2	82	80	WbyS 1	WbyS 4	9	4	Bright intervals a. ☉ p.
25	29.33	29.06	55.1	54.2	49.9	58.2	5.1	4.2	30.1	30.8	69	73	WSW 2	W 4	10	9	☉ showers a. and p.
26	28.94	28.93	51.9	51.0	47.2	54.2	4.9	2.2	26.7	31.8	69	85	swbyS 4	WSW 5	10	8	☉ showers a. Fine p. ☉ (gale).
27	29.01	29.08	47.9	45.3	43.4	53.2	2.3	2.9	27.8	23.9	84	79	SSW 2	swbyW 1	9	9	☉ showers. ☉ showers from 3p.
28	27	37	46.0	42.8	34.0	54.3	2.9	2.8	24.6	21.7	80	79	Calm 0	Calm 0	8	0	Fine and bright. ☉ showers.
29	29.31	29.25	45.1	42.9	36.7	51.2	2.6	3.1	24.2	21.2	81	78	Calm 0	NNE 1	8	0	Fine and sunny. ☉ showers.
30	28.86	28.96	51.2	49.5	41.5	54.2	2.0	3.2	32.5	27.7	86	78	NbyE 1	EbyN 2	10	10	
Mean	29.423	29.411	54.7	53.3	47.4	59.5	3.4	2.9	34.2	33.7	78.9	81.2	1.7	2.0	9.1	6.1	9.113

## HILLINGTON.—SEPTEMBER 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	°	°	°	°	in.	in.	%	%	SW	2	W	1	7	1	ins.	Cloudy day. ☉ at night.
2	29.56	29.56	58.5	55.0	53.0	67.5	3.8	0.7	37.8	41.2	77	95	SW	4	S	1	0.02	Fine day, distant T 2p.
3	57	66	59.0	52.1	50.0	69.5	3.1	0.6	40.4	37.3	81	96	SW	2	SW	1	0	Beautiful day.
4	87	91	59.0	58.2	46.0	74.5	1.8	2.5	44.3	40.9	88	84	SW	2	SW	2	0	Beautiful day.
5	96	80	64.0	62.8	60.0	78.8	7.3	4.0	36.9	43.9	62	77	SW	2	W	1	8	Beautiful day and very hot.
6	80	75	70.9	66.1	63.0	88.4	6.1	3.3	52.0	52.2	69	82	W	1	NE	1	10	Very overcast with ☉.
7	81	81	62.1	61.5	56.0	68.0	0.5	0.4	54.1	53.3	97	98	NE	2	E	1	10	Very overcast with ☉.
8	85	81	60.2	62.1	60.0	66.7	0.3	0.0	51.1	55.8	98	100	NE	1	NE	1	10	Overcast, then fine and sunny.
9	29.86	29.86	60.1	59.1	59.0	69.5	2.0	1.5	45.4	45.3	88	90	NE	2	SW	3	0	Fine and sunny.
10	30.06	29.96	58.2	58.0	64.8	67.0	3.5	3.3	38.1	38.4	79	80	NW	4	N	3	7	Fine and sunny, then cloudy.
11	29.98	30.03	57.5	53.1	63.1	62.4	2.0	2.4	41.3	33.9	87	83	NW	4	N	3	7	Overcast day.
12	30.08	29.93	54.0	59.1	58.0	61.9	2.8	0.5	34.0	48.3	81	97	N	1	NE	2	5	Fine and pleasant.
13	30.08	30.02	59.2	49.5	48.5	65.6	2.6	0.8	42.2	33.3	84	94	N	1	N	1	10	Very cloudy all day.
14	29.98	29.87	55.5	58.0	45.0	62.6	1.8	0.9	38.8	45.4	88	93	NW	1	NW	1	10	Overcast, then fine.
15	92	93	53.0	56.0	52.2	65.4	1.2	3.5	36.9	35.1	92	78	NW	1	NW	2	10	Fine and sunny. ☉ n.
16	94	57	54.6	58.0	48.5	64.3	3.1	0.6	34.2	46.4	80	96	NW	2	NW	2	8	Fine and sunny. ☉ n.
17	43	62	55.0	54.8	51.2	61.9	2.2	3.1	37.0	34.4	86	80	SW	3	SW	3	8	Cloudy day. ☉ n.
18	60	57	58.0	57.2	48.2	66.2	2.2	4.0	41.5	35.5	86	76	SW	3	NW	5	6	Cloudy, then sunny. ☉ n.
19	54	54	52.3	53.2	49.0	59.6	3.6	3.9	29.9	30.4	76	75	W	5	SW	3	10	Very overcast. ☉
20	53	33	54.0	52.0	50.0	59.4	4.3	0.5	30.5	37.4	72	97	SW	6	NW	5	8	Very fine and sunny. ☉ n.
21	45	53	51.0	48.0	48.0	55.0	4.1	2.1	27.3	28.4	73	84	NW	3	W	1	4	Beautiful day.
22	73	59	52.1	49.9	43.7	60.6	3.9	2.0	29.0	26.2	61	77	NW	7	W	4	0	☉ 2 4.30-5.15p., then fine.
23	54	69	51.1	48.5	45.5	62.2	6.4	3.4	23.0	27.5	73	86	W	3	NW	4	6	Fine and sunny. Overcast from 3p.
24	86	63	51.5	46.8	43.2	60.6	4.2	1.9	27.7	27.2	72	93	NW	4	SW	4	10	Cloudy day. ☉ 6p. [☉ 5p.
25	80	72	50.4	49.0	43.8	60.0	4.2	1.0	26.5	32.2	72	93	WSW	3	SW	3	10	Very fine. Driving ☉ 1.45p.
26	67	54	53.8	55.0	48.4	59.9	3.9	0.8	30.3	28.0	77	84	SW	5	SW	4	8	☉ 2p.-2p. and 6p. ☉ 5p.
27	47	43	52.0	50.0	44.2	61.2	3.3	2.8	30.3	28.0	77	84	W	4	W	1	2	Very fine. ☉ 0 and distant T 6p.
28	39	38	52.4	55.1	44.9	60.6	3.5	6.0	29.0	26.0	97	98	NW	1	SE	0.5	0	Very fine. ☉ 2 from 7p.
29	54	65	45.1	42.0	35.6	57.4	0.4	0.3	25.6	32.5	88	97	SW	1	SE	1	2	☉ till 8a. Fine day.
30	68	50	44.2	48.0	34.6	57.7	1.5	0.4	32.8	29.0	84	87	SE	3	SE	0.5	7	
30	29.19	29.34	52.0	48.0	44.6	57.5	2.3	1.8										
Mean	29.724	29.686	55.4	54.2	48.5	64.4	3.1	2.0	36.0	37.3	80.8	87.3	2.8	2.1	6.1	4.5	4.39	



## CAMBRIDGE.—SEPTEMBER 1899.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge,  $\frac{9}{16}$  inches.  
Long. 0° 6' E. Lat. 52° 13' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.	Rain, 24 hours beginning	Remarks.			
							Dep. of Wet.		Vapour Tension.	Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 a.m.				
1	ins.	ins.	61.2	56.9	52.8	71.1	0.4	0	in.	in.	%	%	SW 3	Calm 0	8	10	ins.	Fine day.
2	29.63	29.64	61.2	56.9	52.8	71.1	0.4	1.7	3.89	39.1	66	89	WSW 4	SW 1	5	0	1.80	☀ 2.45p.
3	29.64	30.02	62.2	59.2	46.8	75.6	4.0	3.3	4.30	4.02	77	80	WSW 1	Calm 0	0	0	—	☀. Fine and clear all day.
4	30.01	29.90	67.0	62.9	49.8	81.1	7.7	4.6	4.05	4.24	61	74	SSW 2	Calm 0	0	0	—	☀. Fine and clear all day.
5	29.83	83	70.5	72.3	55.7	88.2	5.2	6.8	5.44	5.27	73	66	Calm 0	Calm 0	10	0	—	☀ 5.30a. ☁ n.
6	91	86	68.1	66.0	61.6	74.9	3.7	0.8	5.46	6.09	79	95	Calm 0	Calm 0	10	10	2.26	☀ shower 10a. ☀ 2p.
7	88	29.84	64.0	63.1	61.3	67.2	0.9	0.3	5.64	5.67	95	98	ENE 1	Calm 0	10	10	1.03	☀ (mist). ☁ n.
8	29.89	30.02	62.0	62.2	58.6	73.8	2.6	2.1	4.68	4.87	84	88	N 1	Calm 0	0	10	—	☀ (mist) 9a. Fine day.
9	30.08	05	60.2	57.9	52.0	68.7	6.2	4.2	3.42	3.61	65	75	NNW 2	NNW 3	0	0	—	☀ (mist) 9a. Fine day.
10	03	12	56.3	49.5	49.3	65.0	5.3	2.2	3.13	2.99	68	85	N 3	Calm 0	9	0	—	Fine day.
11	13	01	55.0	62.9	45.0	65.0	5.3	3.5	2.95	4.56	69	79	WSW 1	Calm 0	10	10	—	Fine day.
12	07	30.06	61.2	54.4	53.3	69.0	4.2	2.4	4.08	3.56	76	84	NE 1	Calm 0	10	10	—	Overcast all day.
13	30.02	29.96	57.1	60.9	46.8	71.3	1.9	2.1	4.10	4.66	87	88	Calm 0	Calm 0	10	10	—	Gloomy, with ☀ (mist).
14	29.97	96	56.0	55.8	54.2	68.5	1.7	2.7	3.99	3.70	89	83	NNW 1	Calm 0	10	10	—	Gloomy a. Clear n.
15	97	62	57.4	56.2	48.4	67.9	6.4	1.4	3.01	4.10	63	91	NW 3	SW 3	0	10	1.40	☀ showers 6p.-10p.
16	45	64	54.4	55.6	51.8	65.0	2.2	3.5	3.62	3.47	85	78	WNW 3	NNW 2	10	9	—	T noon.
17	70	64	57.7	59.8	50.8	69.2	2.9	4.8	3.92	3.71	82	72	SW 3	NW 3	10	7	—	
18	58	63	59.0	55.6	48.6	64.7	6.9	7.2	3.10	2.64	62	60	WSW 4	WSW 3	4	10	—	
19	63	43	55.5	54.1	51.6	64.7	5.2	0.9	3.05	3.93	69	93	WSW 3	SW 2	10	10	2.09	☀ 6.30p.-9p.
20	49	66	54.2	50.1	47.2	60.4	5.5	4.7	2.81	2.52	67	69	W 4	W 4	4	0	0.20	☀ showers.
21	81	63	53.8	52.2	42.0	64.6	5.2	3.8	2.82	2.94	68	75	WNW 3	Calm 0	1	10	1.00	Fine day. ☀ at night.
22	59	79	53.3	49.8	47.7	60.1	7.1	4.7	2.40	2.49	59	70	W 4	W 4	0	0	—	Fine day.
23	89	75	54.5	49.3	42.4	62.4	5.6	1.7	2.82	3.08	67	88	SW 3	SW 4	0	0	0.93	Fine a. ☀ 1p. and 6p.
24	82	68	52.6	51.3	45.0	60.9	4.5	1.1	2.83	3.49	72	92	W 4	SW 5	0	10	0.33	Squally ☀ at night.
25	70	46	56.7	58.1	50.2	64.8	4.3	2.1	3.41	4.20	73	86	W 3	SW 5	0	10	0.33	Squally, with ☀ showers p.
26	45	39	55.3	52.3	44.8	64.0	4.6	3.2	3.16	3.10	72	79	SW 5	SW 4	10	10	—	Squally ☀. ☁ n.
27	44	41	53.9	45.4	44.0	60.8	3.6	0.3	3.19	2.95	77	98	SW 3	Calm 0	1	0	0.97	☀ showers 1p. Distant ☀ 7p.
28	57	71	47.0	42.8	37.0	57.5	1.6	1.4	2.84	2.45	89	89	Calm 0	Calm 0	0	0	0.09	☀ shower 5p. ☁ 7p.
29	68	36	46.0	48.8	34.0	59.8	0.8	0.0	2.92	3.45	94	100	Calm 0	SE 3	10	10	7.18	☀ (mist). ☀ 5p.-mid.
30	29.20	29.37	49.4	47.0	45.9	57.9	0.8	0.8	3.33	3.03	94	100	S 2	S 2	10	0	0.57	☀ (mist). ☀ 4p.-5p.
Mean	29.767	29.739	57.5	55.6	49.1	67.2	4.2	2.7	3.61	3.74	75.2	83.2	2.2	1.6	5.7	5.5	2.018	

## ST DAVID'S PEMBROKE.—SEPTEMBER 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +.018 in.

1	29.55	29.50	62.1	58.3	56.4	68.2	2.6	0.8	.471	.462	84	95	WNW <sub>4</sub>	WSW <sub>3</sub>	5	0	.004	T 7a. Sunny intervals.
2	.51	.64	61.5	58.7	56.0	66.4	2.0	0.4	.480	.481	88	98	W 3	NW 1	5	1	—	Sunny intervals.
3	.79	.83	63.6	61.7	55.0	70.2	2.1	0.1	.515	.546	88	100	SW 5	SW 4	2	2	—	☁ a. Sunny and warm.
4	.74	.68	64.5	63.3	58.2	70.3	2.9	1.9	.505	.516	84	88	SSE 4	SSW 2	6	8	—	Sunny and warm.
5	.66	.72	66.5	63.5	59.8	71.6	2.0	1.0	.575	.550	88	94	WSW 2	SSE 2	9	10	.004	Sunny intervals. ☼ 7p.
6	.71	.75	65.5	60.3	58.9	70.8	1.0	1.5	.591	.475	94	91	SE 3	NNE 1	10	10	.001	☼ a. and p.
7	.74	.74	61.5	56.5	56.1	65.9	2.3	1.2	.470	.421	86	92	NE 2	NNE 1	9	1	—	Sunny intervals.
8	29.84	29.98	57.8	56.0	55.0	61.2	2.4	4.0	.407	.340	84	75	NE 5	NE 2	10	0	—	☁ a.
9	30.06	30.05	59.4	59.5	54.0	65.1	4.6	2.8	.371	.421	73	83	NNW 5	NW 3	2	6	.036	Sunny intervals.
10	29.95	30.02	59.4	59.5	57.6	67.3	0.4	0.9	.494	.480	98	95	NW 5	Calm 0	10	10	.015	☼ 2 7a.
11	30.02	29.97	63.0	59.5	56.3	65.5	1.5	0.9	.523	.480	91	95	WNW 2	WNW 3	10	10	.001	Sunny intervals.
12	29.95	.92	61.5	58.3	57.3	69.4	2.0	1.3	.480	.446	88	91	NNE 1	Calm 0	10	3	.008	Sunny intervals. ☁ p.
13	.88	.88	61.5	56.0	55.2	66.9	1.1	1.2	.476	.413	87	92	W 1	NNE 0	10	10	—	Sunny p.
14	.91	.91	58.5	55.5	53.3	65.7	6.0	2.6	.325	.367	66	83	N 3	NW 2	2	1	—	Sunny day. ☁ p.
15	.86	.53	59.2	60.0	51.0	63.2	4.2	1.0	.378	.485	75	94	WNW 2	WSW 7	2	10	.025	Squally ☼ showers p.
16	.50	.66	56.3	56.9	56.0	63.2	4.5	3.4	.331	.365	72	79	NW 6	NW 6	10	7	.003	Squally ☼ (force 7) till 8a. Sunny [day.
17	.64	.64	61.5	57.6	55.0	65.4	3.0	5.1	.449	.334	82	71	WNW 4	NW 6	8	6	.092	Sunny day.
18	.60	.64	56.5	56.6	54.1	62.1	2.9	4.8	.374	.327	82	71	WNW 7	WNW 6	5	7	.003	Squally ☼ showers a.
19	.58	.42	57.0	55.1	54.0	62.4	4.2	3.2	.346	.346	74	79	WNW 6	WNW 7	10	10	.002	Squally ☼ showers p.
20	.56	.66	53.4	52.5	50.8	60.0	5.9	5.0	.263	.272	65	69	NW 7	WNW 4	5	4	.001	Squally ☼ a. Sunny day.
21	.70	.28	53.8	58.3	46.8	60.4	5.2	0.0	.283	.487	68	100	ENE 2	SW 7	8	10	.205	Squally ☼ (force 7) a.
22	.66	.80	52.3	52.6	49.0	60.2	4.8	5.3	.274	.267	70	68	NW 6	NW 5	5	4	.010	Squally ☼.
23	.81	.77	55.5	53.3	51.0	58.3	5.2	4.8	.305	.285	69	70	WNW 5	WNW 7	10	10	.036	☼ showers a. and p.
24	.83	.63	53.7	56.5	50.1	58.3	3.7	2.5	.314	.384	76	84	NW 4	WNW 6	4	1	.022	☼ 1p.-5p.
25	.60	.43	57.0	53.7	51.1	50.2	2.5	4.9	.391	.288	84	69	W 6	WSW 5	6	5	.030	Sunny, with squally ☼.
26	.31	.31	56.5	52.9	52.1	58.4	5.0	3.4	.322	.313	70	78	W 7	WSW 6	4	1	.060	☼ noon. ☼ showers 3p.
27	.21	.28	51.6	48.5	46.3	57.3	2.1	2.0	.287	.292	86	86	WSW 4	WNW 4	6	4	.068	Sunny day. ☼ 4p.
28	.49	.55	51.5	49.0	46.5	58.7	4.7	2.9	.267	.278	71	80	NW 3	W 3	4	2	.455	Frequent ☼ showers. ☼ 7p.- [11p.
29	.46	.31	51.5	48.7	40.1	55.4	5.7	1.1	.246	.317	65	92	ENE 3	NE 4	4	10	.298	☼ a. and p.
30	29.09	29.05	48.0	49.1	46.2	51.5	0.0	0.3	.335	.342	100	98	NW 4	NW 3	10	10		
Mean	29.674	29.651	58.1	56.3	53.0	63.3	3.3	2.3	3.96	3.93	80.3	85.3	4.0	3.8	6.9	5.9	1.499	

## WOOLACOMBE.—SEPTEMBER 1899.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 12' W. Lat. 51° 10' N. Gravity Correction, +.016 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.			Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning.	Remarks.
							Dep. of Wet.	Vapour Tension.	Percentage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	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.	° 8	° 0	° 4	° 2	° 5	° 1	in.	in.	%	%			ins.
1	29.73	29.68	63.8	61.0	59.4	67.2	5.5	3.1	.413	.436	70	81	W 3	SW 3	.10
2	.70	29.83	64.2	62.0	59.4	67.0	4.3	3.1	.454	.453	75	82	SW 3	W 3	.02
3	.97	30.00	65.8	61.8	60.4	67.8	5.7	3.3	.439	.443	69	81	SE 3	Caln 0	—
4	.90	29.83	66.8	66.2	60.0	77.2	5.3	4.5	.469	.483	72	75	SE 2	E 3	—
5	.84	.89	66.0	67.6	64.4	73.8	1.5	2.5	.582	.578	90	86	SE 2	Caln 0	.05
6	.88	.89	65.8	64.6	64.4	73.0	1.7	1.5	.570	.554	90	90	SE 1	Caln 0	.07
7	.88	29.88	66.0	61.8	61.2	70.8	2.9	1.7	.533	.492	84	90	SE 1	E 1	—
8	29.96	30.09	65.2	59.6	59.6	68.8	3.3	5.6	.503	.348	81	68	NW 1	NW 2	—
9	.90	.80	60.8	61.2	56.6	65.4	5.4	4.4	.369	.403	69	74	NW 2	W 3	—
10	.16	.16	61.0	63.2	60.0	64.8	1.3	2.1	.492	.505	92	87	NW 4	NW 1	—
11	.18	.12	64.6	63.0	60.2	67.0	3.7	1.9	.479	.507	79	89	SW 1	W 2	—
12	.10	.07	65.2	60.2	58.0	68.0	2.9	2.1	.518	.453	83	87	W 1	Caln 0	—
13	.04	.00	63.2	61.4	55.4	64.2	4.1	3.3	.443	.436	77	80	S 1	N 1	—
14	.05	30.06	58.8	61.2	57.0	65.2	7.0	5.0	.306	.385	61	71	N 1	NW 2	—
15	30.03	29.70	62.8	60.4	53.8	65.4	6.2	0.7	.378	.501	66	95	SW 1	W 7	.07
16	29.66	.80	59.6	60.8	58.0	63.0	5.4	4.2	.353	.401	69	75	W 3	W 4	—
17	.82	.80	64.2	61.8	59.2	66.0	3.3	7.0	.483	.345	81	63	W 4	W 5	—
18	.77	.81	60.8	60.8	57.2	62.0	2.7	1.5	.446	.482	84	90	W 6	W 6	—
19	.76	.59	60.0	58.8	56.8	63.8	6.2	1.5	.339	.449	65	90	W 5	W 5	.07
20	.72	.82	57.0	56.4	53.8	59.8	6.4	4.6	.266	.329	63	72	W 5	W 5	.02
21	.86	.56	57.6	57.8	50.6	63.2	6.8	2.0	.295	.418	62	87	Caln 0	S 4	—
22	.82	.97	54.6	56.8	53.0	61.6	6.8	8.8	.259	.245	60	53	NW 4	NW 3	.07
23	29.98	.93	55.0	56.0	52.4	59.6	3.0	3.8	.349	.343	80	76	W 4	W 4	—
24	30.00	.80	56.6	59.6	53.2	60.4	5.0	1.5	.323	.462	70	90	W 4	W 5	.04
25	29.80	.62	59.4	58.0	56.4	61.4	4.2	4.8	.381	.365	75	72	SW 3	W 5	.07
26	.55	.51	55.2	56.6	54.4	60.0	2.2	3.4	.373	.361	85	79	W 6	W 5	.24
27	.42	.46	53.8	49.2	49.2	58.0	2.4	2.0	.348	.301	83	86	SW 3	Caln 0	.15
28	.64	.72	52.8	52.8	49.2	57.4	3.6	2.6	.294	.330	76	82	NW 3	W 4	.05
29	.62	.41	53.8	50.2	45.4	57.4	3.8	2.0	.315	.312	76	86	E 1	NE 1	.13
30	29.25	29.29	48.6	48.4	54.6	1.4	1.2	.340	.312	90	91	NW 4	SE 3	1.20	
Mean	29.843	29.816	60.4	59.3	56.2	64.5	4.1	3.2	.405	.414	75.9	80.9	2.7	3.0	2.49



## PLYMOUTH.—SEPTEMBER 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.		
1	ins.	ins.	64.1	59.4	56.9	68.7	1.4	2.6	.548	.425	WSW	W	7	10	ins.	● showers. Bright intervals.		
2	29.68	29.68	64.9	59.6	57.7	67.1	3.6	2.8	.489	.423	SW	W	8	0	.20	Fine and sunny. ● shower noon.		
3	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	W	ESE	10	0	—	Fine all day. [out.		
4	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	E	ENE	10	0	—	Beautifully fine and sunny throughout.		
5	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	E	W	9	8	.19	Overcast, with ●.		
6	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	E	SE	9	0	—	Overcast a. Sunny p.		
7	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	E	N	10	0	—	Bright and sunny.		
8	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	NW	N	3	3	—	Sunny and very warm throughout.		
9	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	N	N	4	0	—	Fine and sunny all day.		
10	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	NW	NW	9	10	.01	● a.		
11	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	NNW	W	8	8	—	Fine and warm.		
12	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	NNW	E	0	0	—			
13	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	N	NNE	10	9	—			
14	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	N	N	10	0	—	Fine and sunny.		
15	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	E	W	9	10	.35	Fine and sunny.		
16	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	NNW	NW	9	2	.005	Bright intervals.		
17	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	W	W	8	4	.005	Bright and sunny.		
18	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	W	NW	9	3	—			
19	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	W	W	7	9	.12	● showers at night.		
20	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	WNW	W	7	2	—	Fine and sunny.		
21	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	E	SW	10	10	.10			
22	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	N	W	3	2	—	Fine, bright and sunny.		
23	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	SW	W	10	2	.09	Cloudy, with ● showers.		
24	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	W	WSW	8	10	.06	Overcast, with ● showers.		
25	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	W	W	7	10	.05	Fine and sunny a. ● showers p.		
26	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	WSW	WSW	9	4	.22	● showers.		
27	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	SW	WNW	10	0	.015	Fine and sunny.		
28	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	NW	W	8	0	.18	● showers. Bright intervals.		
29	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	ENE	N	10	10	.065	Overcast, with ● showers all day.		
30	29.67	29.67	62.1	58.8	56.7	69.3	2.4	0.9	.477	.467	N	SW	9	4	.73	Bright, then ●.		
Mean	29.68	29.69	60.8	58.0	53.5	65.5	3.4	2.4	.435	.418	—	—	7.7	4.3	2.41			

## ARMAGH.—SEPTEMBER 1899.

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

1	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	SSW	10	10	.086	
2	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	WSW	10	5	.040	
3	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	SW	10	9	—	
4	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	S	S	9	10	.090	
5	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	NNW	W	10	9	—	
6	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	W	NW	3	0	—	
7	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	N	N	0	10	.040	
8	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	WNW	10	10	—	
9	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	WSW	7	10	.043	
10	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	NE	SE	10	8	.025	
11	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	WSW	WSW	10	9	.018	
12	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	SSW	6	5	.095	
13	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	N	N	10	0	—	
14	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	WSW	8	8	—	
15	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	WSW	10	10	.168	
16	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	NW	SSW	10	10	.025	
17	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	WSW	SW	10	10	.218	
18	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	W	WSW	10	10	.086	
19	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	WSW	10	8	.140	
20	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	WNW	WSW	7	0	—	
21	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	NNE	9	10	.760	
22	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	WNW	SW	4	1	.160	
23	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	WSW	9	3	.028	
24	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SSW	W	10	4	.110	
25	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SSW	WSW	10	3	.622	
26	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	SW	10	7	.164	
27	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SW	NE	10	9	.028	
28	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SSW	SSW	10	0	.140	
29	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	SSW	E	0	0	.053	
30	29.45	29.43	62.1	54.0	50.5	66.0	4.0	1.1	.429	.385	N	ENE	10	10	.560	
Mean	29.45	29.43	55.4	51.1	46.9	61.1	2.7	1.5	.369	.346	1.9	1.5	8.4	6.6	3.699	

&lt; 8p.

▲ 4.20p.

## MARKREE CASTLE.—SEPTEMBER 1899.

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

Day.	Barometer at 32° Faht.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Tension.		Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.			
1	ins.	ins.	59.6	52.1	51.6	65.8	2.6	0.4	.428	.379	84	97	Calm	0	S	0.5	8	9	ins.
2	29.52	29.49	59.6	52.1	51.6	65.8	2.6	0.4	.428	.379	84	97	SSE	1	Calm	0	3	2	.57
3	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	98	SSW	3	SE	2	10	9	—
4	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	82	83	SSW	3	S	4	10	10	.27
5	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	93	SSE	3	S	4	10	10	.27
6	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	Calm	0	Calm	0	10	1	—
7	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	Calm	0	NNE	1	3	0	—
8	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	NNE	1	N	2	6	8	.02
9	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	NNE	1	S	0.5	10	4	.01
10	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	SW	1	S	0.5	10	10	.16
11	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	NNE	1	Calm	0	10	10	.01
12	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	S	0.5	Calm	0	10	10	.01
13	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	SSW	1	SSE	1	10	10	.10
14	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	NNE	2	NNE	1	9	10	.02
15	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	S	3	Calm	0	10	9	.07
16	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	SSW	2	NNE	3	10	10	.21
17	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	NNW	4	SW	1	9	10	.04
18	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	W	3	SW	4	9	9	.16
19	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	W	5	NNW	2	10	10	.17
20	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	SW	3	NW	4	10	6	.49
21	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	NNW	4	NW	1	10	8	.06
22	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	Calm	0	Calm	0	10	9	.82
23	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	N	5	S	2	7	4	.17
24	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	W	4	N	4	10	10	.13
25	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	SSE	3	WSW	2	10	9	.12
26	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	S	2	S	1	10	2	.54
27	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	W	3	S	1	8	5	.22
28	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	S	1	Calm	0	8	8	.07
29	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	Calm	0	S	0.5	3	9	.09
30	29.51	29.46	61.0	50.0	46.0	67.2	3.3	0.3	.430	.353	81	95	NNE	3	N	4	5	10	.17
Mean	29.672	29.688	55.5	51.4	46.2	60.9	2.8	1.4	.369	.350	82.6	90.5	2.0	1.4	8.5	7.4	5.00		



## PARSONSTOWN.—SEPTEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	60.8	54.5	50.8	64.5	3.1	0.7	.434	.405	82	96	SW	1	Calm	0	9	3	ins.
2	.52	.67	57.6	56.0	49.1	65.0	2.4	2.1	.404	.388	84	86	SW	1	Calm	0	10	0	● showers.
3	.74	.77	63.7	59.6	53.8	70.5	3.8	2.5	.463	.431	78	85	S	1	SE	1	9	0	— Fine day.
4	.64	.61	67.0	65.7	58.0	70.2	5.0	3.2	.483	.517	73	82	SE	2	SE	1	3	10	—
5	.70	.77	56.6	59.9	55.6	66.2	1.1	1.1	.426	.480	93	94	NW	1	SE	1	10	10	—
6	.79	.84	62.6	55.7	55.0	68.7	4.5	1.9	.422	.390	75	88	N	1	SE	1	3	0	Overcast, with ● <sup>0</sup> .
7	.82	29.78	60.9	61.7	43.8	69.2	3.5	1.8	.423	.490	79	89	Calm	0	SW	1	0	10	— Fine day.
8	29.96	30.07	56.6	52.6	50.3	62.2	3.9	2.2	.350	.337	76	85	NW	1	NW	1	10	4	— Fine and bright.
9	30.12	.11	57.0	58.7	44.8	63.9	2.8	2.7	.383	.411	82	83	SW	1	SW	1	8	10	— Cloudy day. ∞ sp.
10	.04	.08	63.1	61.0	49.0	68.8	1.1	1.0	.538	.503	93	94	NW	1	SE	1	10	10	—
11	30.06	30.06	62.0	60.5	57.9	67.2	2.5	1.5	.472	.477	85	91	SW	1	NW	1	9	2	—
12	29.97	29.92	61.6	58.7	56.8	63.5	4.1	2.8	.418	.409	77	82	SW	1	SW	1	9	10	Cloudy day.
13	.94	.99	58.1	45.8	44.7	59.5	1.2	1.0	.447	.286	91	93	NW	1	NW	1	10	0	—
14	.97	.98	59.3	52.2	41.6	63.5	2.4	1.4	.429	.353	85	91	NW	1	NW	1	8	6	Dull and overcast, with ●.
15	.81	.56	56.6	54.6	45.4	59.8	1.9	2.7	.403	.352	87	82	SW	1	W	1	10	9	— Fine and sunny.
16	.60	.71	57.2	55.7	51.8	60.0	4.0	1.8	.354	.393	75	88	W	3	SW	1	10	10	Dull, with ● <sup>0</sup> .
17	.64	.64	59.7	54.7	53.1	61.6	4.3	4.2	.383	.316	74	74	SW	2	W	2	8	8	— Overcast and cloudy.
18	.62	.68	56.7	53.9	52.1	61.0	4.7	5.0	.331	.288	71	69	W	3	W	2	9	10	—
19	.57	.47	58.0	49.7	49.0	60.6	3.9	1.9	.370	.309	77	88	W	3	NW	1	10	0	— Fine day.
20	.62	.71	52.5	45.6	43.7	56.7	5.5	1.9	.261	.263	66	86	NW	1	NW	1	2	7	Dull and cloudy.
21	.71	.41	47.0	48.0	36.6	56.8	1.1	1.0	.296	.309	92	93	SE	1	NW	3	10	10	— Fine and sunny.
22	.70	.84	51.5	46.7	42.7	55.6	4.5	1.8	.271	.277	71	87	SW	2	S	1	6	6	Dull day. ● <sup>2</sup> p.
23	.78	.84	51.7	49.6	44.7	56.6	2.8	3.2	.313	.278	81	79	W	1	W	3	10	10	— Fine and sunny.
24	.76	.69	51.0	50.7	46.9	61.2	1.5	1.7	.336	.326	90	88	SE	1	SW	1	10	3	— Cloudy day.
25	.58	.43	54.7	47.3	46.6	59.9	1.9	2.4	.374	.270	88	83	E	1	SE	1	10	0	—
26	.23	.29	53.0	46.9	45.8	55.9	4.3	2.0	.292	.274	73	86	SW	2	W	1	8	10	—
27	.23	.38	46.7	43.4	40.9	53.6	1.2	0.7	.291	.266	92	95	SW	1	NW	1	9	10	—
28	.52	.58	48.0	40.0	31.8	53.3	1.9	1.0	.287	.226	87	92	SW	1	SE	1	7	3	—
29	.49	.50	46.7	35.7	32.4	50.3	3.6	0.7	.238	.196	76	94	SW	1	SE	1	3	0	—
30	29.34	29.16	42.5	48.0	23.1	48.7	2.6	1.1	.218	.307	80	92	NW	1	NW	1	7	10	—
Mean	29.701	29.701	56.0	52.4	46.6	61.2	3.0	2.0	.370	.351	81.1	87.2	1.3	1.1	7.9	6.0	2.350		—

## DEERNES.—OCTOBER 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, + '036 in.

1	29.59	29.50	53.7	48.1	45.8	54.5	4.3	3.3	300	258	73	77	ENE 5	NNE 4	1	8	—	∞ ga.		
2	29.43	29.31	46.6	46.1	44.8	49.7	3.9	1.4	231	279	73	90	NNW 4	NW 4	10	1	455	2.2 4p.-8p.		
3	28.93	28.87	50.6	44.3	43.9	51.6	0.8	0.9	348	270	95	93	SW 5	NW 4	10	10	62	1.0 8p. (gale).		
4	29.33	29.80	47.4	45.3	38.9	49.1	2.7	1.6	264	264	81	88	NNW 6	NNW 4	5	3	055	—		
5	92	84	41.8	46.1	39.0	46.8	5.0	1.3	172	282	66	91	NW 2	W 4	10	10	07	—		
6	91	29.87	46.3	46.2	43.1	47.7	2.5	0.7	257	297	83	96	SE 1	SSW 1	10	8	165	—		
7	29.94	30.12	50.0	43.1	41.5	51.2	2.0	3.2	309	212	86	76	NNE 2	Calm 0	6	0	—	—		
8	30.04	29.90	49.4	49.5	39.2	51.5	3.8	3.3	264	275	75	78	SW 3	SW 4	10	3	02	—		
9	29.79	70	52.0	49.9	48.5	52.6	2.0	1.0	335	333	86	93	SW 4	WSW 4	10	3	40	—		
10	70	62	51.2	52.3	48.5	52.9	0.4	3.1	366	312	98	79	W 6	SW 2	10	10	11	—		
11	29.40	19	54.2	53.8	50.8	55.0	1.0	0.4	391	493	93	97	SW 4	SW 2	9	10	215	—		
12	28.94	05	48.2	43.8	41.8	54.8	4.0	0.7	245	269	73	95	SW 6	NW 6	4	10	10	—		
13	29.31	59	42.0	41.1	37.0	45.1	3.0	3.9	207	182	78	71	NW 9	NW 8	6	3	02	—		
14	87	92	42.0	45.0	37.0	48.0	4.0	2.5	190	243	72	82	NW 3	SW 3	8	1	—	—		
15	94	86	46.0	47.2	41.0	48.8	2.2	2.2	261	273	85	85	SSW 3	S 7	0	0	—	—		
16	76	63	49.8	50.0	46.4	52.0	2.8	0.9	288	337	81	94	S 8	SSE 8	6	8	—	—		
17	71	83	51.8	53.0	49.2	53.8	0.6	0.2	369	397	95	99	SSE 6	S 5	8	8	—	—		
18	95	96	53.1	53.2	49.2	57.6	0.1	0.4	402	394	99	98	SSE 2	S 3	7	6	—	—		
19	99	29.90	54.3	52.8	51.2	57.8	0.3	4.6	414	283	98	71	S 3	SW 3	7	0	—	—		
20	29.94	30.20	54.3	47.0	45.6	58.0	0.5	2.6	408	262	97	82	W 6	WNW 2	9	9	—	—		
21	30.32	30.17	46.3	50.0	42.8	51.0	2.3	1.8	261	314	84	87	Calm 0	SSE 6	8	6	—	—		
22	30.04	29.96	47.0	30.1	46.0	52.8	1.4	3.8	289	270	90	75	SW 1	W 2	9	10	—	—		
23	29.79	29.66	50.0	46.0	45.4	53.8	2.8	3.0	291	244	81	79	SW 3	WNW 7	9	6	—	—		
24	99	30.12	42.2	39.0	37.4	46.8	6.4	3.3	155	176	58	75	NW 6	NW 1	2	0	—	—		
25	87	29.54	47.2	51.1	39.0	52.2	2.1	1.8	275	330	86	87	S 4	S 5	10	7	—	—		
26	31	30	49.0	45.7	44.2	52.0	1.2	1.7	317	268	92	88	W 2	SW 3	10	1	12	—		
27	39	36	45.6	47.0	42.2	47.2	2.4	3.0	252	253	82	79	SW 4	SSW 4	8	2	28	—		
28	10	29.06	49.4	49.2	46.0	53.8	2.6	4.4	289	249	83	71	S 7	WSW 9	10	4	08	—		
29	30	28.74	46.8	43.0	42.0	49.8	2.8	1.0	255	255	80	72	SSW 4	W 11	10	7	41	—		
30	21	29.11	44.0	41.0	39.7	49.6	2.6	2.8	232	201	80	78	SW 4	SW 6	4	2	22	—		
31	29.26	29.46	43.1	44.5	37.0	46.1	3.4	2.5	209	239	75	81	NW 7	S 4	2	10	12	—		
Mean	29.644	29.617	48.2	47.2	43.4	51.4	2.4	2.2	285	278	83.2	84.7	—	—	4.2	4.4	7.4	5.4	3.46	—

## DUNROBIN CASTLE.—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Tension.		Percentage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	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.	52.8	46.0	46.0	54.2	2.8	2.0	.325	.265	81	86	E	E	—	Dull and stormy.	
2	.62	.60	51.0	48.5	44.0	52.2	0.2	1.5	.369	.303	99	89	W	E	—	.18	
3	.22	.22	51.2	47.0	44.0	54.0	0.4	2.0	.366	.275	98	86	W	W	—	.41	
4	29.58	29.98	48.2	37.2	37.0	51.2	0.4	0.2	.328	.218	98	98	W	W	—	—	
5	30.10	30.08	43.2	46.0	35.0	49.0	1.4	1.0	.249	.287	89	93	W	W	—	.05	
6	.09	.09	49.0	47.0	42.0	54.0	1.0	1.0	.322	.298	93	93	W	W	—	.06	
7	.13	.28	49.8	44.8	44.0	53.2	1.8	0.8	.312	.278	87	94	W	W	—	.01	
8	30.22	30.15	49.8	44.8	40.0	56.0	1.6	0.8	.317	.406	88	94	NW	NW	—	—	
9	29.97	29.92	53.0	53.2	48.0	56.0	1.0	0.2	.374	.400	93	99	W	SW	—	—	
10	.08	.82	52.8	54.8	48.0	59.2	1.0	0.8	.372	.406	93	94	NW	NW	—	—	
11	.61	.38	59.2	55.0	53.0	60.0	1.2	1.0	.464	.403	93	93	W	W	—	.45	
12	.25	.35	48.0	39.0	38.0	56.0	1.0	0.0	.309	.238	93	100	W	W	—	—	
13	29.74	29.98	44.5	35.8	33.8	47.8	1.3	2.0	.264	.174	90	83	NW	W	—	.02	
14	30.12	30.17	44.0	36.0	35.0	52.0	3.0	1.0	.224	.193	77	91	NW	NW	—	—	
15	30.11	30.03	40.2	47.0	36.0	50.0	1.4	4.0	.220	.233	89	73	N	NW	—	—	
16	29.91	29.76	50.8	55.0	44.0	56.0	4.6	1.0	.261	.403	70	93	SE	SE	—	—	
17	29.87	30.04	53.0	50.0	48.0	56.0	2.2	5.0	.342	.245	85	68	SE	SW	—	—	
18	30.09	.14	56.0	54.0	46.0	63.0	0.8	1.0	.425	.388	94	93	SW	W	—	—	
19	.17	.09	55.8	49.2	48.8	64.2	1.6	4.0	.399	.257	89	73	SE	SW	—	—	
20	.17	.44	55.8	49.0	48.0	59.8	2.0	3.8	.389	.259	87	74	W	SW	—	—	
21	.45	.29	49.8	43.0	39.0	52.0	3.0	0.5	.285	.266	81	96	E	W	—	—	
22	30.25	30.16	39.0	46.5	36.0	54.0	0.5	0.5	.228	.304	96	96	W	W	—	—	
23	29.97	29.95	50.0	49.0	46.0	57.0	3.8	5.0	.269	.235	75	67	W	W	—	—	
24	30.25	30.22	43.0	40.8	35.0	52.8	4.0	3.8	.197	.181	71	71	N	NE	—	—	
25	30.05	29.69	44.0	51.0	40.0	57.0	0.8	2.0	.270	.323	94	86	SE	NE	—	—	
26	30.47	.39	51.2	45.0	40.0	55.0	2.4	3.0	.316	.233	84	78	W	NW	—	—	
27	.45	.44	45.0	46.0	40.0	50.3	2.5	2.8	.243	.248	82	80	NW	W	—	—	
28	.12	.30	51.2	46.0	43.0	56.0	3.4	3.0	.292	.244	78	79	SW	W	—	—	
29	.33	.19	48.0	45.0	43.0	55.0	3.0	3.8	.263	.218	79	73	NW	W	—	—	
30	.48	.47	42.0	39.0	36.0	48.0	3.0	2.0	.207	.199	78	84	NW	NW	—	—	
31	29.59	29.60	41.0	46.0	36.0	50.0	2.0	2.0	.215	.265	84	86	NW	NW	—	—	
Mean	29.840	29.834	48.8	46.7	41.8	54.6	1.9	2.0	.304	.279	86.7	85.9	—	—	.2.05	—	



## LAUDALE.—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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°	49°	49°	55°	4°	4°	301	252	72	71	NE 3	ENE 5	10	1	ins.	☉ showers a.
2	29°57	29°58	54°3	49°9	49°0	55°7	4°6	4°6	301	252	72	71	NNW 1	SW 6	6	10	1.20	☉ p.
3	29°58	29°59	54°3	49°9	49°0	55°7	4°6	4°6	301	252	72	71	W 7	SW 6	10	10	1.40	(gale) ☉
4	29°59	29°60	54°3	49°9	49°0	55°7	4°6	4°6	301	252	72	71	NW 3	Calm 0	8	0	1.03	☉ showers.
5	30°18	29°17	53°3	42°7	32°0	50°2	2°3	1°4	281	244	88	88	N 1	NW 1	0	10	1.05	☉ a. ☉ showers p.
6	29°14	29°12	48°2	47°3	41°0	51°7	2°9	1°3	268	294	80	91	NW 1	Calm 0	8	7	1.05	☉ showers.
7	29°16	29°27	50°7	44°0	44°0	54°3	0°7	1°0	352	265	95	92	Calm 0	NW 1	10	7	1.02	☉ (mist) a. ☉ showers.
8	29°27	29°20	51°0	52°4	41°0	54°7	2°3	3°4	316	306	84	78	NW 2	W 2	10	10	1.02	☉ Dark and threatening.
9	29°30	29°02	53°8	54°2	47°0	54°3	3°6	2°0	317	364	76	86	SW 2	SW 3	10	10	1.10	☉ showers.
10	30°03	29°87	48°0	58°7	45°3	59°0	1°0	1°7	309	441	93	90	W 6	S 6	5	10	1.55	☉ Fine a. ☉ in evening.
11	29°67	29°42	56°0	58°0	54°0	59°0	1°3	1°7	411	430	91	89	S 4	W 3	3	10	1.60	☉ Squally ☉.
12	29°35	29°47	48°5	41°0	40°7	58°0	2°8	1°2	274	231	81	90	WNW 2	WNW 3	8	9	2.1	☉ ☉ showers. ☉ (sleet) p.
13	29°77	29°97	45°0	38°9	38°9	46°0	3°0	1°7	233	204	78	87	NNW 4	NNW 1	8	8	1.10	☉ ☉ showers. ☉ Snow on hills.
14	30°18	30°15	35°5	36°8	33°7	49°9	0°7	0°8	195	202	94	93	Calm 0	SSE 1	2	4	—	☉ a. ☉ Fine and dry.
15	30°12	29°99	44°9	47°0	35°0	48°8	4°6	4°2	203	229	69	72	ESE 3	ESE 4	4	4	—	☉ ☉ Squally ☉.
16	29°51	29°74	45°0	56°0	42°0	59°0	2°2	5°0	249	317	84	70	SSE 6	S 5	2	10	1.01	☉ (gale) a.
17	29°54	30°02	57°0	59°5	53°0	59°5	2°5	1°7	391	454	84	90	S 5	S 4	10	10	1.02	☉ Squally, with ☉.
18	30°15	30°20	60°0	57°9	57°2	61°2	2°8	1°9	429	422	83	88	SSW 3	SW 2	10	9	—	☉ Squally, with ☉.
19	29°23	29°18	58°0	56°0	55°1	63°0	4°0	6°0	367	295	76	65	S 3	WNW 4	6	0	—	☉ Mild and dry.
20	29°27	29°35	50°0	53°2	45°5	58°7	3°0	0°5	286	391	80	97	W 2	Calm 0	4	10	—	☉ Overcast from noon.
21	29°38	29°33	50°2	48°3	45°0	58°7	3°2	3°0	284	267	79	79	W 2	E 4	3	1	—	☉ Fine and warm.
22	29°29	29°23	47°0	52°0	43°5	53°7	1°8	4°0	280	287	87	74	SE 1	Calm 0	10	10	—	☉ Dull and overcast.
23	29°12	29°03	54°0	52°1	50°0	56°2	3°0	1°4	334	332	80	90	WSW 3	W 5	10	10	1.08	☉ Dark and squally. ☉ n.
24	29°26	29°28	45°7	47°7	44°0	52°2	2°7	3°0	247	260	81	79	NW 1	NW 1	6	10	1.04	☉ Fine and mild.
25	30°09	29°75	53°6	55°7	46°0	56°2	2°6	0°7	339	423	82	95	S 5	S 4	10	10	1.40	☉ Squally and threatening. ☉ n.
26	29°61	29°59	52°0	50°3	48°0	57°4	2°3	3°6	328	277	84	76	W 3	WNW 3	10	6	1.11	☉ a. ☉ Dark and threatening.
27	29°67	29°64	42°7	46°0	40°4	54°2	1°4	1°7	244	272	88	88	NW 2	NW 1	4	9	1.35	☉ ☉ showers.
28	29°39	29°53	51°0	50°2	44°0	55°5	1°7	3°0	331	280	88	80	SW 6	W 6	10	10	1.50	☉ ☉ ☉ showers.
29	29°40	29°35	50°2	46°3	44°7	58°6	1°2	2°6	332	255	92	82	SW 4	W 6	10	10	1.85	☉ ☉ ☉ showers.
30	29°51	29°46	44°0	43°0	41°3	54°2	2°3	2°7	238	221	82	80	NW 4	NNW 5	7	5	1.58	☉ ☉ ☉ showers. ☉ a. ☉.
31	29°71	29°68	43°0	51°0	40°0	51°3	2°8	1°4	219	338	79	90	Calm 0	SW 4	4	10	1.23	☉ ☉ a. ☉ Very dark, with ☉.
Mean	29°592	29°889	49°2	49°7	44°1	55°2	2°5	2°3	295	306	82.9	84.3	2.9	3.1	7.3	7.7	6.51	

## DUNDEE.—OCTOBER 1899.

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

1	29.41	29.35	50.5	47.8	46.7	52.9	0.7	1.8	350	288	95	87	E 10	E 8	10	10	2.21	☉ n. and till 6p. ☉ (gale).
2	29.39	29.38	49.6	46.4	44.6	53.8	3.5	2.7	271	287	77	82	W 8	W 4	5	10	1.07	☉ (gale) till 1p.
3	29.31	29.32	53.7	46.6	45.6	59.2	1.8	2.5	362	260	88	83	W 6	W 6	10	7	—	☉ 9.30a.-2p. ☉ (gale) 10a.-4p.
4	29.49	29.45	45.4	42.2	39.9	55.4	3.1	1.5	236	237	78	89	SW 6	NE 1	5	0	—	
5	29.01	29.00	41.8	42.5	37.4	49.8	2.3	2.8	219	215	83	79	N 1	NW 2	7	10	—	
6	29.99	29.95	43.8	45.1	35.9	57.1	1.5	1.4	253	267	88	89	SW 1	W 1	10	10	1.02	Dull till 9a. and from 3p.
7	29.98	29.93	48.0	48.2	42.4	59.2	2.3	1.5	300	284	90	84	W 2	SE 1	5	10	—	Dull from 2p.
8	29.16	29.05	47.5	47.4	42.6	53.7	2.5	1.6	269	288	82	89	SW 1	SW 1	10	10	1.02	Dull day.
9	29.99	29.89	49.6	50.4	44.2	52.8	1.5	2.1	317	313	90	86	W 1	W 2	10	10	—	
10	29.85	29.76	54.6	55.1	49.2	62.3	1.7	1.4	378	394	89	90	W 6	W 6	5	10	1.08	Dull from 3p. ☉ showers 6p.
11	29.59	29.53	54.9	56.4	54.2	58.2	2.7	1.7	356	405	82	89	W 4	SW 4	5	10	—	Dull day.
12	29.17	29.21	51.1	42.4	40.2	57.5	2.0	3.2	325	207	86	76	W 2	NW 2	10	7	1.02	☉ n. and till 8.30a.
13	29.48	29.75	44.1	38.6	38.0	45.8	4.2	2.5	202	187	69	80	NW 8	NW 2	0	5	—	☉ (gale) till 2p.
14	29.97	29.04	38.6	34.1	32.7	48.7	2.2	0.6	192	185	82	94	NW 1	NW 1	5	0	—	Fine day.
15	29.05	29.96	32.8	44.3	27.3	50.6	0.5	2.3	177	241	94	82	NW 1	SE 2	5	5	—	Fine day.
16	29.83	29.72	48.9	48.4	39.2	51.7	2.7	0.9	282	318	81	94	SE 6	SE 1	5	10	—	☉ till 2p.
17	29.83	29.94	50.1	51.6	46.0	57.5	0.8	0.8	341	361	94	95	NE 1	NE 1	10	10	—	Dull day.
18	29.08	29.10	51.1	49.9	45.7	58.9	0.1	0.8	373	337	99	95	NE 1	SE 1	10	10	—	Dull, with ☉.
19	29.14	29.08	47.2	44.3	42.7	58.5	0.2	1.5	320	258	99	88	S 1	NE 1	5	7	—	☉
20	29.10	29.21	46.8	44.9	40.4	58.2	2.4	0.8	264	278	83	94	W 1	NE 1	5	5	—	Fine day.
21	29.32	29.26	49.6	48.4	43.2	52.5	1.1	1.3	327	308	93	91	SE 1	SE 1	10	10	—	Dull day.
22	29.05	29.05	37.6	47.6	33.0	51.8	0.0	0.7	225	313	100	95	W 1	W 1	5	5	—	Fine day. ☉
23	29.97	29.82	48.6	53.1	45.4	53.7	2.1	2.6	292	334	86	82	W 1	W 6	10	10	—	Dull day.
24	29.10	29.15	40.4	40.6	39.2	53.7	2.0	2.1	229	211	85	84	NW 1	NE 1	7	10	—	
25	29.04	29.69	42.9	47.2	37.4	51.8	0.9	0.5	356	313	93	97	S 1	SW 1	10	10	1.16	Dull day. ☉ showers from 2p.
26	29.45	29.44	54.3	49.5	46.3	54.8	1.2	1.7	387	311	92	89	SW 2	SW 2	10	10	1.02	☉ n. ☉ showers till 11a.
27	29.54	29.50	43.0	41.6	37.2	49.9	1.0	1.1	255	240	92	92	W 2	W 2	7	7	—	☉ showers 11a.-2p.
28	29.38	29.39	45.8	47.8	37.2	53.9	1.8	2.6	267	270	87	81	SW 6	SW 6	10	7	1.03	☉ 7a.-5p. ☉ (gale) 1p.-6p.
29	29.41	29.41	47.3	47.6	45.6	57.0	0.8	2.8	307	265	95	81	S 1	SW 6	10	10	1.18	☉ showers from 1p.
30	29.39	29.37	41.8	39.8	36.8	48.8	1.8	1.0	227	225	86	92	SW 1	SW 4	7	5	—	
31	29.51	29.62	39.4	45.1	35.8	48.0	1.4	2.0	214	254	89	85	SW 6	SW 4	5	7	—	
Mean	29.776	29.751	46.5	46.4	41.0	54.1	1.7	1.7	282	280	87.8	87.7	2.9	2.6	7.4	8.1	0.99	

## GLASGOW.—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.	Vapour Tension.		Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	50.2	49.5	49.3	52.5	1.0	3.5	337	270	93	76	E 2	NE 3	10	9	ins.	Squally ☉. [☉ 10p.
2	29.32	29.29	50.2	49.5	49.3	52.5	1.0	3.5	337	270	93	76	NW 2	W 4	4	8	.042	Fine day. Dull and squally p.
3	29.42	29.43	49.3	49.9	45.5	53.7	5.7	1.2	225	328	64	92	SW 4	W 3	10	6	.221	Squally ☉.
4	29.24	29.21	52.8	47.8	47.5	55.4	0.6	2.2	383	279	95	84	W 1	W 1	3	10	.231	Fine a. ☉ p.
5	29.54	29.56	47.2	45.6	42.3	53.5	3.4	2.0	247	261	77	85	N 1	W 1	5	3	.102	— Fine and clear.
6	29.00	29.02	41.9	41.9	41.4	47.9	1.2	2.0	241	226	90	91	Calm	SW 1	8	10	—	☉☉ (mist) a. Overcast day.
7	29.98	29.96	41.6	44.9	37.3	52.4	1.3	1.3	236	263	90	96	W 1	W 1	8	0	.022	☉☉ (mist) a. ☉ noon.
8	29.30	29.12	47.2	46.6	40.3	53.8	1.5	0.6	289	308	90	96	Calm	SW 1	10	9	—	☉ a. Dull and cloudy.
9	29.14	29.06	47.0	48.2	41.7	54.2	0.3	1.8	316	293	86	88	SW 2	SW 2	10	10	.149	Dull day. ☉ p.
10	29.00	29.09	50.9	52.9	45.8	54.1	2.2	1.6	381	396	95	89	SW 2	SW 2	10	10	.082	Overcast, with ☉.
11	29.89	29.77	52.9	55.6	52.1	56.3	0.7	1.6	399	431	94	92	S 1	SW 3	10	10	.359	Overcast, with ☉.
12	29.57	29.32	54.5	57.2	52.7	57.5	0.9	1.2	302	212	84	76	W 2	NW 2	9	2	—	—
13	29.18	29.24	50.2	43.1	41.9	57.3	2.4	3.7	179	210	59	86	NW 2	W 2	2	1	.010	Cloudy and squally. ☉ shower 1p.
14	29.56	29.78	45.3	39.7	39.7	46.8	6.3	1.7	175	184	82	89	Calm	NE 1	6	8	—	☉ a. ☉☉ (mist) a. and p. ☉ 2p.
15	29.98	29.02	36.2	35.4	33.6	45.6	2.1	1.2	177	214	76	81	E 1	E 2	5	7	—	☉ a. Fine and clear. ☉ 9.30p.
16	29.02	29.88	38.3	32.2	32.4	49.5	2.9	2.7	177	214	76	81	E 2	E 1	3	10	—	☉ a. Dull and cloudy.
17	29.73	29.66	44.1	49.9	39.6	54.1	2.4	2.3	237	301	81	85	E 1	S 1	10	10	—	☉☉☉ (mist) a. Overcast day.
18	29.77	29.91	52.6	58.4	49.7	59.7	2.0	2.5	243	343	86	84	E 1	S 1	10	10	—	☉☉☉ (mist) a. and p. ☉☉ p.
19	29.05	29.30	56.1	54.2	54.2	61.1	3.1	2.7	264	345	80	82	NE 1	W 2	7	2	—	☉ a. Cloudy day. ☉☉ p.
20	29.12	29.08	48.4	49.4	46.1	61.4	2.3	5.9	283	260	83	89	S 1	S 1	7	0	—	☉☉☉ (mist) a. ☉ a. and p.
21	29.73	29.19	45.0	44.1	42.9	56.8	2.3	1.3	247	289	91	94	E 1	E 1	8	5	—	Dull and cloudy. ☉☉ p.
22	29.25	29.21	49.7	45.8	42.3	52.6	1.3	0.9	323	317	96	95	NE 1	W 1	10	10	—	Dull, with ☉☉☉ (mist).
23	29.34	29.06	39.7	48.2	35.4	48.7	0.4	0.8	294	378	84	95	W 1	W 3	10	10	.072	Dull and overcast. ☉ after 9p
24	29.98	29.87	49.3	52.7	47.9	53.8	2.3	0.7	294	230	76	89	W 1	NE 1	8	10	.005	Dull and cloudy. ☉ p. ☉
25	29.10	29.14	44.4	41.1	41.1	53.1	3.3	1.3	222	368	89	94	NE 1	S 1	10	10	.308	Dull a. ☉ p.
26	29.01	29.63	45.9	52.1	41.0	52.3	1.6	0.8	273	289	93	86	NE 3	SW 2	10	10	.038	Overcast, with ☉.
27	29.46	29.45	51.7	48.1	48.1	55.8	1.0	1.9	357	289	93	86	NW 1	S 1	6	2	.033	☉ a.
28	29.53	29.50	41.3	43.3	40.0	50.1	0.5	0.9	250	261	96	93	SW 2	SW 3	10	9	.317	Dull, with ☉.
29	29.35	29.45	47.9	49.9	41.2	54.1	2.2	3.1	280	284	85	80	S 1	W 1	10	10	.368	Squally ☉.
30	29.31	29.21	52.6	46.5	46.4	56.3	0.8	2.0	375	270	95	86	SW 1	SW 4	7	10	.389	☉☉☉☉☉ after 6p. Squally.
31	29.40	29.37	43.3	42.9	38.4	49.2	2.2	2.5	233	224	83	82	SW 2	SW 3	2	10	.007	☉ a. ☉ noon.
32	29.57	29.61	42.8	49.7	38.9	49.7	2.6	2.1	221	304	80	86	SW 2	SW 3	2	10	—	—
Mean	29.767	29.754	47.1	47.6	43.1	53.5	2.1	1.9	282	290	85.7	86.5	1.4	1.8	7.7	7.5	2.755	—



## SCARBOROUGH.—OCTOBER 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., - 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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.	52.0	50.3	40.4	54.0	4.3	0.3	in.	in.	%	%	S	1	ENE	7	ins.	85	2 p. Rough sea.		
2	29.30	29.01	52.0	50.3	40.4	54.0	4.3	0.3	280	357	73	98	N	5	W	4	10	2	16	2 p. with rough sea a. p.	
3	29.07	29.00	50.9	45.0	44.2	52.8	0.1	2.3	248	370	99	83	SW	5	SW	5	10	10	23	a. 2 p. Brilliant day.	
4	29.49	29.79	51.4	50.9	40.7	58.1	2.4	0.9	317	436	83	94	SW	5	SW	5	10	10	23	Brilliant day.	
5	29.52	29.79	49.8	43.0	41.7	60.6	3.8	0.5	267	266	74	96	SW	2	Calm	0	7	1	04	Brilliant day.	
6	29.90	30.00	50.5	43.8	40.3	54.2	3.8	1.1	275	261	74	91	NW	1	Calm	0	7	10	06	Brilliant day.	
7	29.97	29.98	44.8	41.8	38.9	52.2	1.7	0.9	258	245	87	93	Calm	0	Calm	0	5	6	—	2 p. Sunny day.	
8	29.98	30.13	53.2	45.8	35.7	59.2	6.1	1.0	257	285	63	92	W	1	N	1	0	3	—	a. Sunny day.	
9	30.16	30.14	49.8	50.6	42.3	54.4	1.6	2.5	317	305	89	83	Calm	0	S	2	10	8	—	Sunny day.	
10	30.08	30.00	45.0	48.8	44.2	52.8	0.1	1.8	207	299	99	87	W	1	SW	4	1	6	—	Sunny day.	
11	29.92	29.84	51.7	50.5	43.4	62.5	1.8	1.4	336	330	88	90	SW	4	SW	3	3	4	—	Sunny day.	
12	29.69	29.48	48.8	52.2	40.6	59.2	1.8	1.8	299	343	87	88	S	3	SW	1	8	3	—	Sunny day.	
13	29.66	29.17	55.0	43.5	42.9	60.8	1.9	2.5	377	229	88	82	S	1	W	4	3	1	44	2 p. Sunny.	
14	29.42	29.70	45.9	43.5	37.9	53.0	4.5	2.5	214	229	69	82	NW	4	W	3	1	10	—	Brilliant weather.	
15	29.91	30.03	44.0	41.0	35.2	50.8	4.0	2.0	206	216	72	84	W	2	Calm	0	3	10	—	Sunny day.	
16	30.04	29.99	48.0	50.0	40.7	51.1	5.0	4.7	225	251	67	70	SE	2	SE	5	10	10	—	Sunny day.	
17	29.81	29.75	51.0	48.3	47.0	54.3	3.8	1.3	280	306	74	90	SE	1	SE	1	7	2	—	Sunny day.	
18	29.87	30.01	52.9	47.6	46.0	61.7	3.1	0.7	319	312	80	95	SE	3	SE	2	2	1	02	a. p. Sunny.	
19	30.13	30.16	50.6	48.1	42.2	61.6	1.8	1.0	322	311	88	92	S	1	SSW	2	2	1	—	Brilliant weather.	
20	30.17	30.13	49.3	45.7	41.9	59.0	3.4	1.9	270	263	77	86	SSW	2	S	1	1	2	—	Sunny day.	
21	30.15	30.19	50.1	43.4	37.7	59.0	5.1	1.7	243	244	67	87	S	1	Calm	0	2	3	—	Sunny day.	
22	30.24	30.23	47.9	50.0	40.0	53.4	0.2	0.1	329	358	99	99	Calm	0	N	1	8	10	—	Sunny day.	
23	30.16	30.03	48.0	49.0	43.1	57.5	0.2	1.3	330	315	99	91	SE	2	W	3	10	7	—	Misty a. and p. p.	
24	30.01	29.93	53.2	49.0	43.9	57.3	5.1	3.0	277	275	69	79	W	2	W	3	1	10	—	Brilliant day.	
25	30.02	30.13	50.7	42.0	42.0	53.2	3.4	2.0	286	225	78	84	NW	2	Calm	0	7	8	—	Brilliant day.	
26	30.10	29.84	44.3	50.7	37.0	52.3	2.3	0.1	240	367	83	99	SW	3	SW	2	2	10	15	a. Sunny.	
27	29.58	29.48	52.5	60.2	49.0	57.2	0.8	1.1	373	334	94	92	S	4	S	2	10	10	08	a. Sunny.	
28	29.51	29.49	50.0	53.0	47.3	53.0	0.1	0.3	358	394	99	98	Calm	0	Calm	0	10	10	08	a. Sunny.	
29	29.57	29.51	48.2	53.6	41.9	54.2	0.1	1.3	335	374	99	91	S	1	W	2	10	4	01	a. Sunny.	
30	29.55	29.48	54.5	55.0	47.9	57.8	1.5	2.9	381	353	90	81	S	4	S	4	10	10	18	a. Sunny.	
31	29.40	29.57	45.4	43.2	41.7	55.5	2.4	2.2	249	232	82	83	W	1	SW	5	10	2	07	a. Sunny.	
Mean	29.56	29.78	44.1	43.7	40.0	51.5	2.2	1.9	240	242	83	85	W	4	W	4	1	3	—	a. Sunny.	
Mean	29.791	29.794	49.5	47.7	41.9	55.9	2.5	1.6	294	297	83.0	88.5	2.0	2.3	5.7	6.0	2.59.				

## CRONKBOURNE.—OCTOBER 1899.

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

1	29.26	29.16	51.4	48.5	46.5	54.3	3.1	0.9	301	319	80	94	E	5	NE	4-6	7	10	1.232	Dull and squally a. 2 after 4p.	
2	29.47	29.75	51.3	48.4	44.9	56.0	3.7	3.0	287	268	76	80	NNW	5-6	W	2	6	8	078	2 a. Fine day. n.	
3	29.56	29.42	53.7	51.4	48.0	59.9	0.7	1.6	393	333	95	89	WSW	5-6	WNW	5-6	10	8	297	2 a. Overcast and squally. [showers p.]	
4	29.65	29.86	50.1	42.0	41.4	57.0	2.6	0.2	297	263	82	98	NW	4	N	1	2	2	003	Fine day. 2 p.	
5	30.05	30.07	48.2	37.0	36.4	53.0	2.8	1.6	270	189	81	86	NNW	2	NNW	2	6	0	—	Fine day. 2 p.	
6	30.05	30.03	48.6	35.8	32.0	54.7	3.8	0.5	254	201	74	96	WNW	2	NNW	2	7	0	—	Cloudy day. 2 p.	
7	30.10	30.19	49.4	40.8	32.4	57.8	2.7	0.4	287	246	82	97	NW	1	N	2	10	2	—	Fine day. 2 p.	
8	30.19	30.15	50.6	44.6	35.4	60.3	4.6	0.8	358	276	73	94	SW	1	N	1	4	8	—	Fine day. 2 p.	
9	30.10	30.02	50.8	54.0	37.8	57.6	0.3	0.2	364	412	98	99	Calm	0	SW	3	8	6	—	2 (mist) a. Cloudy day. 2 p.	
10	30.01	29.93	55.4	54.4	41.6	56.0	1.9	1.4	385	383	88	91	WSW	3-4	WSW	3	9	10	082	Dull day. [showers.]	
11	29.70	29.51	54.4	55.6	53.7	56.4	0.1	0.8	421	419	99	95	S	3	SSW	4	10	8	348	Overcast, with 2 (mist) [showers.]	
12	29.31	29.38	49.8	45.6	45.6	55.7	0.5	2.6	345	248	96	81	NW	3-4	WNW	5-6	10	4	403	Overcast, with 2 (mist) [showers.]	
13	29.70	29.87	50.4	46.0	39.6	54.8	4.9	1.9	251	267	69	87	NNW	5-6	WNW	4-5	4	6	052	(gale) a. [showers.]	
14	30.03	30.03	47.8	47.6	34.0	49.8	4.3	4.1	236	238	71	72	NNE	2	SE	4	1	3	—	Fine day.	
15	30.02	29.87	48.8	49.0	45.2	51.0	4.3	3.8	247	259	71	74	SE	5	SE	5-6	4	7	—	Fine a. Dull p.	
16	29.74	29.68	48.4	55.0	48.1	55.0	1.9	2.2	293	370	87	86	ESE	5-6	SE	5-6	9	10	—	Overcast all day.	
17	29.83	29.97	55.2	47.1	43.0	58.6	0.9	1.8	409	281	94	87	SE	3	ESE	2	10	10	—	Overcast, with 2 (mist).	
18	30.11	30.15	54.5	46.2	45.6	60.0	2.1	0.4	365	303	86	98	ESE	1	NW	1	8	7	—	Dull, with 2 (mist).	
19	30.19	30.17	52.8	37.2	37.2	60.4	1.8	0.8	350	206	87	93	E	2	N	1	2	0	—	Fine day. 2 (mist).	
20	30.20	30.20	37.6	36.4	32.3	59.8	1.5	1.1	196	194	87	90	Calm	0	N	1	0	0	—	2 a. Fine day. 2 p.	
21	30.23	30.23	52.7	52.0	36.3	57.0	4.7	1.1	280	358	71	92	E	2	ESE	2	6	10	—	2 (mist) a. and p. Fine day.	
22	30.20	30.20	50.0	41.4	41.4	53.6	1.0	0.1	334	259	93	99	ESE	2	W	1	10	0	—	2 (mist) a. and p. Dull day.	
23	30.10	30.06	50.2	52.8	35.9	56.0	1.1	2.6	335	330	93	82	Calm	0	W	2	1	8	006	a. and p. Very fine.	
24	30.21	30.21	51.0	38.0	37.1	54.0	2.3	0.7	316	214	84	94	N	1	NNW	1	10	0	—	Cloudy day. 2 p.	
25	30.11	29.75	49.4	54.6	37.2	56.8	1.1	0.4	325	415	92	97	E	3	SSW	5	10	0	677	2 a. Dull day. [showers p.]	
26	29.62	29.59	56.2	51.4	51.3	56.6	0.8	0.7	428	361	95	95	SW	1	SW	1	10	10	205	Overcast day. p.	
27	29.59	29.59	46.6	40.4	39.3	53.7	0.6	2.0	303	211	96	84	Calm	0	N	1	8	0	—	Dull day.	
28	29.56	29.63	51.5	52.6	35.4	54.8	4.1	2.2	280	337	74	85	SSW	3	SW	3	8	10	036	Dull day. [showers p.]	
29	29.51	29.57	55.8	48.0	47.4	55.8	1.5	0.8	402	314	90	94	SW	6	W	2	10	10	248	Overcast, with squally (gale) [showers p.]	
30	29.55	29.59	48.8	45.2	41.2	51.0	4.3	3.4	247	227	71	76	W	3-4	W	5	3	0	013	Fine day. sp.	
31	29.75	29.80	48.1	52.0	43.0	52.0	3.5	1.4	254	331	76	90	W	4-5	SW	4	2	0	012	Fine day.	
Mean	29.860	29.851	50.9	46.8	40.8	55.7	2.4	1.5	317	292	81.2	89.5	2.8	2.8	6.6	5.5	3.692				

Note:—The hygrometrical values for Scarborough are somewhat doubtful.

## STONYHURST.—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.	9 a.m.	9 p.m.	9 a.m.			9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.							in.	in.	%	%	NNE 1	NE by N 4	10	10	ins.	
2	29.07	28.81	47.5	48.7	42.5	50.2	3.5	3.5	.248	.261	76	76	NNE 1	WSW 1	10	10	.210	Cloudy day. Squally, with ☉ showers p.
3	29.09	29.51	48.2	49.3	47.3	52.3	3.2	3.9	.261	.260	78	73	SW by S 5	WSW 1	10	3	.030	Squally, with ☉ a. Fine p.
4	42	41	53.0	52.5	45.9	58.3	3.3	1.9	.315	.344	78	87	NW 5	NNW 5	10	10	.285	Squally, with ☉ showers.
5	41	63	51.0	46.1	41.3	54.0	4.6	5.5	.263	.199	70	64	W by S 1	Caln 0	10	0	—	Fine day.
6	78	84	47.0	43.3	36.6	53.4	4.0	2.7	.233	.223	73	80	NNE 1	N by E 1	3	9	—	Fine and sunny.
7	83	80	38.0	41.0	34.7	51.0	1.5	2.5	.199	.206	87	81	Caln 0	Caln 0	10	0	—	☼☼☼ <sup>0</sup> a. Fine day. ☼☼☼ <sup>0</sup> (mist) p.
8	29.86	96	41.5	43.5	32.6	53.0	2.5	2.0	.211	.240	81	84	Caln 0	Caln 0	0	2	—	☼☼☼ <sup>0</sup> a. Fine and bright.
9	30.01	96	48.3	46.8	41.9	56.2	2.8	3.8	.272	.235	81	74	Caln 0	Caln 0	0	0	—	Fine and sunny. ☼☼☼ <sup>0</sup> (mist).
10	29.93	83	45.0	47.2	39.3	55.3	2.5	1.9	.243	.280	82	87	Caln 0	WSW 1	0	0	—	Fine and sunny. ☼☼☼ <sup>0</sup> (mist).
11	82	74	49.6	48.5	45.6	56.7	3.6	1.7	.269	.299	76	88	W by S 1	Caln 0	10	0	—	Dull a. Fine p. ☼☼☼ <sup>0</sup> (mist).
12	55	33	45.7	55.0	42.3	55.8	1.7	2.6	.268	.159	88	83	N 1	sw by S 1	10	10	.080	☼☼☼ <sup>0</sup> a. ☉ showers. [showers p.
13	07	11	55.0	45.0	43.9	55.3	2.0	4.0	.375	.214	87	72	SSW 1	WNW 2	10	7	.400	☼☼☼ <sup>0</sup> (mist) ☉ showers a. ☉☼☼
14	40	61	46.5	46.0	42.3	50.6	6.1	4.5	.192	.216	60	70	nw by W 3	W 2	2	5	.045	Bright a. ☉☉ showers p.
15	80	87	42.0	40.0	35.6	47.6	5.0	4.6	.174	.162	66	65	ENE 1	ENE 1	0	10	—	Fine and bright.
16	85	71	45.3	46.0	35.3	49.9	5.3	4.2	.195	.221	64	72	E 1	E by N 1	0	7	—	Fine and bright.
17	57	54	47.4	50.4	44.0	54.8	4.4	4.2	.229	.265	71	73	E by N 4	E by N 1	5	3	—	☼☼☼ <sup>0</sup> (mist) a. Fine and sunny.
18	67	29.81	50.5	51.2	47.3	59.7	3.0	4.2	.293	.274	80	73	NNE 1	N by E 1	10	7	—	☼☼☼ <sup>0</sup> (mist).
19	29.93	30.00	45.2	48.0	39.7	61.0	2.6	5.0	.243	.224	81	67	NNE 1	NNE 1	0	0	—	☼☼☼ <sup>0</sup> (mist) a. Fine and bright. [p.
20	30.02	29.99	44.8	44.8	37.3	59.3	5.8	5.8	.182	.182	61	61	NNE 1	N 1	1	0	—	Fine, clear and sunny. ☼☼☼ <sup>0</sup> (mist)
21	29.99	29.98	39.5	45.0	32.9	59.3	4.0	5.2	.169	.194	70	65	NNE 1	N by E 1	7	7	—	Fine and sunny.
22	30.03	30.05	48.0	46.0	39.6	54.0	6.0	2.3	.206	.259	62	84	NNE 1	NNE 1	9	0	—	☼☼☼ <sup>0</sup> (mist) a. Fine and sunny.
23	29.99	29.92	45.0	48.7	42.6	54.0	1.0	2.4	.275	.286	92	83	NNE 1	W by N 1	10	10	—	☼☼☼ <sup>2</sup> (mist) a. Overcast p.
24	88	84	46.5	45.5	42.0	53.0	1.5	2.5	.303	.248	89	82	NNE 1	sw by S 1	0	5	—	☼☼☼ till 10 a., then fine and sunny.
25	90	99	53.3	41.2	40.3	53.3	3.3	2.6	.318	.207	78	80	sw by W 1	Caln 0	9	0	—	Bright and sunny. [☉ p.
26	94	64	40.5	53.5	34.6	53.5	3.0	1.8	.193	.359	77	88	NNE 1	sw by S 1	10	10	.185	☼☼☼ <sup>0</sup> (mist). Dull and gloomy.
27	44	36	54.7	51.2	50.3	57.3	1.7	1.5	.379	.338	89	90	sw by S 1	Caln 0	10	10	.195	Overcast, with ☉☉. ☼☼☼ <sup>0</sup> (mist).
28	37	35	48.9	49.5	47.6	51.2	1.9	2.0	.299	.304	87	87	Caln 0	Caln 0	10	10	.100	Overcast, with ☼☼☼ <sup>0</sup> (mist) ☉.
29	38	40	47.0	50.7	40.3	53.7	1.5	3.2	.287	.291	90	79	W by S 1	sw by W 2	10	0	.300	☼☼☼ (mist) a. Fine p.
30	39	10	55.5	51.6	46.7	55.5	4.0	2.0	.333	.330	75	86	SSW 3	W by N 4	10	10	.882	Dull, with ☉☉ showers. ☉☉ p.
31	31	39	46.2	44.0	43.3	51.6	2.2	3.0	.263	.224	85	77	Caln 0	W by S 2	9	10	.350	Fine and sunny. [☼☼ p.
31	29.50	29.66	47.0	46.0	42.3	49.0	4.7	3.0	.220	.244	69	79	W 5	sw by W 1	8	3	—	Squally, with ☼ a. Fine p.
Mean	29.652	29.643	47.3	47.3	41.2	54.2	3.3	3.2	.255	.250	77.5	77.7	1.4	1.2	6.5	5.1	3.062	



## CHURCHSTOKE.—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			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.	44.7	48.8	39.5	51.9	1.6	0.8	in.	in.	%	%	E	2	E	2	10	10	ins.	Dull and cold, with ☉ all day.  ☉ Cloudy, threatening and mild. ☉ (mist) in valley. ☉ Bright and sharp. ☉ Bright and sharp. ☉ Bright day. ☉ Bright p. ☉ Bright and warm. ☉ Cloudy and breezy. ☉ Cloudy and warm. ☉ ☉ Cold wind, with ☉ showers. ☉ Bright day. ☉ Cloudy and cool. ☉ Gloomy, with cold wind. ☉ Bright and fine p. ☉ Cool breeze. ☉ (mist). ☉ Bright and warm. ☉ Bright and clear. ☉ Bright p. ☉ Cloudy and warm. ☉ (mist). ☉ ☉ Bright day. ☉ Cloudy day. ☉ Cloudy and mild. ☉ at night. ☉ Steady ☉. ☉ [☉ n. ☉ Heavy clouds, ☉ (gale) from SW. ☉ Cloudy and cool.
2	28.77	28.45	44.7	48.8	39.5	51.9	1.6	0.8	259	324	87	94	E	2	E	2	10	10	.952	
3	28.53	29.39	49.9	44.8	42.1	52.4	3.0	1.1	285	271	79	91	E	1	E	2	10	9	—	
4	29.32	30.12	54.9	57.5	44.8	57.6	2.9	1.7	351	422	81	89	SW	5	SW	3	8	10	.150	
5	23	44	49.4	44.0	43.6	58.3	0.9	0.6	389	274	94	95	SW	2	WSW	1	10	9	—	
6	55	63	42.8	42.0	34.1	54.6	0.4	1.5	266	235	97	88	SE	1	N	1	0	6	—	
7	61	58	39.6	34.9	30.5	54.5	0.8	0.0	227	203	94	100	N	1	N	2	0	0	—	
8	66	78	41.0	35.9	30.9	55.1	0.9	0.2	238	207	93	98	SW	1	N	1	0	0	—	
9	81	76	41.8	38.4	30.2	58.6	0.7	0.5	249	222	95	95	Caln	0	NW	1	0	0	—	
10	73	65	42.7	40.3	34.0	59.1	0.3	0.2	267	245	98	98	Caln	0	NE	1	10	0	—	
11	64	54	51.9	41.0	35.5	61.3	0.4	0.3	375	250	97	97	SE	2	SE	1	3	0	—	
12	29.34	30.13	50.9	52.1	38.4	60.3	1.7	0.9	329	365	88	94	SE	2	SW	2	8	5	.010	
13	29.25	45	43.6	43.0	38.9	52.9	2.3	1.3	233	248	83	89	SW	4	WSW	2	8	2	.350	
14	59	61	44.8	36.9	35.0	52.0	1.9	2.0	254	182	85	82	WSW	4	WSW	2	4	4	.010	
15	57	41	42.6	43.8	29.0	50.3	1.9	1.9	232	243	85	85	NE	2	NE	2	0	0	—	
16	31	31	45.6	51.3	40.2	53.1	0.7	1.5	289	339	95	90	ESE	2	SE	3	10	8	—	
17	44	58	52.9	50.1	47.2	63.5	1.5	1.6	360	321	90	89	SE	3	SSE	3	10	10	—	
18	71	79	48.9	41.8	37.7	62.3	2.5	0.7	285	249	82	95	E	1	E	2	10	0	—	
19	79	78	42.8	36.1	31.4	61.0	1.5	0.2	242	208	87	98	E	1	E	1	0	0	—	
20	76	78	40.0	37.6	29.5	59.1	1.7	0.5	213	215	86	95	E	1	NE	2	4	8	—	
21	81	83	30.9	37.8	28.2	55.1	0.0	0.3	173	213	100	97	N	1	Caln	0	10	10	—	
22	77	72	43.8	47.1	36.2	62.8	0.7	0.4	270	315	95	97	SE	2	SE	1	8	8	—	
23	70	68	47.9	49.0	38.8	51.9	0.5	0.0	321	348	96	100	E	1	Caln	0	10	10	—	
24	75	79	49.7	49.4	37.8	57.9	0.9	0.4	333	343	94	97	NW	1	Caln	0	8	10	.020	
25	71	44	49.3	54.4	44.9	58.5	1.1	4.4	323	308	92	73	ESE	1	SW	2	9	10	.015	
26	29	20	56.9	55.1	52.9	61.0	1.1	1.6	430	386	92	89	SW	2	SE	2	10	9	.545	
27	12	19	49.9	50.3	49.8	56.6	0.0	0.1	360	362	100	99	Caln	0	SE	1	10	10	.160	
28	25	29.31	54.2	56.1	49.2	57.4	3.0	1.1	339	418	80	93	SW	2	SW	1	6	10	.030	
29	27	28.95	55.9	54.9	54.0	57.1	2.9	1.1	364	399	82	93	SW	2	SW	10	9	10	.010	
30	05	29.29	44.6	40.0	39.5	55.9	0.7	0.9	278	228	95	93	NW	1	SE	1	9	2	.500	
31	29.42	29.49	48.3	46.2	39.8	53.2	3.4	1.3	259	283	77	90	W	2	W	2	6	6	—	
Mean	29.440	29.453	47.1	45.1	38.8	57.0	1.4	1.0	294	286	89.7	92.9	1.7	1.7	6.5	5.7	2.752			

## CAMBRIDGE.—OCTOBER 1899.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 9½ inches. Long. 0° 6' E. Lat. 52° 13' N. Gravity Correction, +019 in.

1	29°35	29°10	49°6	54°4	39°7	58°0	0°5	1°0	341	395	96	94	E by S <sub>3</sub>	SSW	2	10	10	.294	☉ 10a.-2p. T 4p.-6p. R 6p.
2	26	85	53°2	47°4	46°6	55°4	1°2	2°2	371	275	92	84	SW	4	10	0	—		
3	90	68	52°2	56°5	40°3	60°5	3°5	4°0	301	346	77	75	SW	7	10	10	.038	☾ (SW gale) noon-mid. ☉ n.	
4	29°75	29°90	51°6	48°7	47°6	58°3	1°9	0°6	333	327	87	95	Calmo	o	Calmo	o	.035	☾ <sup>0</sup> (mist). ☉ <sup>0</sup> all day.	
5	30°02	30°12	52°6	40°8	39°7	56°1	1°8	0°4	330	246	88	97	Calmo	o	NE	1	10	0	—
6	14	08	39°4	41°7	31°1	57°1	0°3	0°4	234	256	97	96	Calmo	o	Calmo	o	—	☾ <sup>2</sup> till ga. Fine day.	
7	14	22	40°4	40°8	34°2	57°4	0°2	0°5	246	244	99	96	Calmo	o	NW	1	10	0	—
8	34	30	39°1	43°2	30°6	62°4	0°3	0°8	233	262	97	93	Calmo	o	Calmo	o	0	0	—
9	28	19	45°4	42°0	35°5	62°4	0°4	0°8	294	249	97	94	Calmo	o	Calmo	o	0	0	—
10	30°17	30°09	45°6	44°2	33°2	64°7	0°5	0°7	293	275	96	95	Calmo	o	Calmo	o	0	0	—
11	29°91	29°69	43°8	47°8	34°6	62°2	0°1	0°7	283	323	100	94	Calmo	o	Calmo	o	2	0	—
12	49	41	51°4	48°7	42°1	67°1	0°1	2°0	369	296	97	86	Calmo	o	SW	3	10	5	.128
13	29°67	29°97	45°6	42°2	38°8	54°3	2°9	2°2	242	223	80	84	W	4	Calmo	o	10	0	—
14	30°09	30°16	44°3	36°3	35°7	53°7	1°9	1°2	249	192	85	90	Calmo	o	Calmo	o	0	0	—
15	30°14	30°00	47°4	43°7	32°1	58°3	2°7	1°4	264	254	82	88	E	2	E	1	10	1	—
16	29°89	29°87	47°3	47°0	36°0	62°6	1°2	1°1	297	296	92	92	E by S <sub>2</sub>	Calmo	o	0	0	0	—
17	30°00	30°12	48°1	44°0	40°7	66°2	0°9	0°7	313	272	93	94	Calmo	o	Calmo	o	0	0	—
18	27	34	37°0	42°9	28°9	68°0	0°1	0°7	218	260	99	95	Calmo	o	Calmo	o	0	0	—
19	36	32	36°8	33°9	29°9	56°6	0°1	0°1	216	193	99	99	Calmo	o	Calmo	o	10	0	—
20	31	29	33°8	38°8	29°1	51°7	0°1	0°1	192	234	99	100	Calmo	o	Calmo	o	10	0	—
21	34	35	38°0	41°0	32°3	56°4	0°1	0°0	226	257	99	100	Calmo	o	Calmo	o	10	10	—
22	33	24	41°9	41°0	38°1	48°4	0°0	0°0	266	257	100	100	Calmo	o	Calmo	o	10	10	.016
23	17	14	47°4	52°1	38°3	53°2	0°2	1°4	319	352	97	90	Calmo	o	Calmo	o	10	3	—
24	22	31	47°4	43°3	39°0	60°2	0°3	0°3	318	273	97	98	Calmo	o	Calmo	o	10	10	—
25	30°28	30°07	46°7	49°9	39°9	59°0	1°5	1°0	284	333	89	93	Calmo	o	SSW	1	10	0	—
26	29°87	29°73	53°0	54°2	46°8	57°9	1°2	0°1	369	419	92	99	SSW	2	Calmo	o	10	10	.190
27	70	63	56°7	58°4	51°3	60°8	0°3	0°3	450	478	98	98	SSW	1	SW	1	10	10	.800
28	70	84	53°3	48°0	46°9	59°8	0°1	0°6	404	319	99	96	Calmo	o	Calmo	o	10	0	—
29	88	60	56°2	56°3	47°0	63°2	1°2	1°2	416	418	92	92	SW	2	SW	4	10	10	.397
30	59	29°81	45°3	40°4	39°3	58°4	0°3	0°5	295	241	98	96	N	3	Calmo	o	10	0	.006
31	29°90	30°07	46°1	40°0	37°3	56°3	3°1	0°9	243	228	78	93	WSW	4	SW	1	0	0	—
Mean	29°982	29°984	46°3	45°5	38°1	59°0	0°9	0°9	297	290	93°3	93°4	1°0	0°8	6°8	3°3	1°918		

## ST DAVID'S, PEMBROKE.—OCTOBER 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot. Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Tension.		Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	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.															ins.		
2	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SE	4	NNE 7	10	10	.725	Overcast and gloomy. ☉ 10a.-8p.
3	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	NNW 7	NW 4	NW 4	5	7	.008	Squally a. Cloudy day.
4	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SE	7	SW 6	10	10	.285	Overcast and squally. ☉ showers p.
5	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ENE 1	NE 3	NE 3	10	10	.032	☉ showers a. Overcast day.
6	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ENE 4	NNE 3	NNE 3	5	3	.001	Sunny day.
7	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ENE 2	ENE 2	ENE 2	0	0	—	☉ (mist) a. Bright and sunny.
8	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	NE 1	E 1	E 1	1	0	—	Bright and sunny.
9	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	E 3	NE 2	NE 2	0	10	—	☉ (mist). Bright and sunny.
10	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SE 4	Calm 0	Calm 0	6	1	—	☉ (mist) a. Fine and sunny.
11	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ESE 4	SE 3	SE 3	9	0	.035	☉ (mist) ☉ <sup>2</sup> a. Sunny day.
12	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SSE 2	SE 1	SE 1	10	10	.212	☉ (mist) a. ☉ till 10a., then sunny.
13	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SSE 4	NW 6	NW 6	10	5	.262	☉ (mist) a. ☉ till 11a. Cloudy
14	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	NW 5	NW 3	NW 3	4	4	.004	Sunny day.
15	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ENE 2	ESE 3	ESE 3	5	1	—	Sunny day. [p.
16	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	E	ESE 7	ESE 7	4	3	—	Fine and sunny. Squally ☉ (gale)
17	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SE 6	SE 6	SE 6	8	10	—	Overcast and squally. ☉ (mist)
18	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ESE 4	SE 4	SE 4	8	6	—	Sunny day. [p.
19	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SE 5	SE 4	SE 4	8	0	—	Sunny day.
20	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SE 4	SE 3	SE 3	0	0	—	☉ (mist) a. Sunny day.
21	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ESE 4	ESE 3	ESE 3	2	10	—	☉ (mist) a. and p. Sunny day.
22	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ESE 3	ESE 3	ESE 3	0	6	—	☉ (mist) a. and p. Sunny day.
23	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SE 3	Calm 0	Calm 0	8	10	.095	Cloudy day. ☉ showers p. ☉ (mist).
24	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	Calm 0	NW 1	NW 1	10	10	.015	Dull, with ☉ till 8p. [(mist).
25	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ENE 1	Calm 0	Calm 0	1	3	.002	Sunny day. ☉ p.
26	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	ESE 5	SSW 4	SSW 4	7	10	.175	Sunny day. ☉ showers 5p. ☉ 7p.
27	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SSW 3	SW 1	SW 1	10	10	.500	☉ a. ☉ showers p. ☉ from 7p.
28	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	Calm 0	NNW 1	NNW 1	10	4	.100	☉ a. Dull and overcast. ☉ 3p.-7p.
29	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	NNW 4	SW 4	SW 4	5	10	.004	Sunny day. Overcast p. [☉ p.
30	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	SSW 7	SW 5	SW 5	10	10	1.020	Overcast and squally. ☉ from 2p.
31	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	NW 3	NW 3	NW 3	5	0	.022	< till 6a. Bright and sunny.
32	29.01	28.89	45.3	49.7	43.3	51.2	0.8	0.3	284	349	94	98	WSW 4	WSW 5	WSW 5	5	2	.002	Sunny day.
Mean	29.801	29.796	52.0	51.3	46.7	56.9	1.6	1.6	350	342	89.5	89.2	3.6	3.2	6.0	5.6	3.369		



SOUTHAMPTON.—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
1	ins.	ins.							in.	in.	%	%					ins.			
2	29° 17	29° 10	53° 1	54° 7	46° 8	63° 3	0° 3	4° 3	396	314	98	73	SE	7	SW	6	10	10	390	☉ showers 11a.-3p. ☞
3	29° 14	94	52° 8	46° 9	46° 9	55° 6	2° 7	1° 4	328	288	82	91	NW	4	W	1	10	1	390	Dull day. ☞ n. [2
4	30° 02	82	57° 8	56° 6	41° 5	62° 2	4° 5	3° 0	352	373	74	81	WSW	4	SW	6° 5	7	10	033	a. Beautiful day. ☞ (gale
5	29° 75	29° 87	57° 7	52° 0	51° 9	60° 6	4° 8	0° 5	453	375	95	97	SW	2	NE	3	10	10	183	Overcast, with ☉ showers.
6	29° 98	30° 09	50° 6	48° 6	47° 8	53° 1	1° 3	1° 4	335	307	91	90	NE	3	NE	1° 5	10	1	—	Dull and cool.
7	30° 09	05	49° 6	47° 4	43° 2	58° 9	1° 9	1° 0	308	393	87	93	NE	2	E	1° 5	10	1	—	a. and p. Beautiful day.
8	15	25	51° 8	45° 1	41° 2	59° 6	3° 5	1° 0	297	276	77	92	E	1° 5	E	0° 5	0	0	—	a. and p. Beautiful day.
9	32	28	44° 2	46° 5	37° 0	59° 3	1° 0	1° 0	268	293	93	93	NW	0° 5	N	0° 5	0	0	—	a. a. and p. Delightfully fine.
10	26	19	50° 1	44° 5	40° 3	60° 1	2° 5	0° 7	299	277	83	94	E	1	N	1	0	0	—	a. a. and p. Beautiful day.
11	30° 20	30° 22	42° 8	45° 7	33° 2	61° 5	0° 7	0° 7	259	291	95	95	E	1	N	0° 5	0	0	—	a. a. and p. Beautiful day. ☞
12	29° 91	29° 70	45° 2	51° 6	36° 3	62° 4	0° 2	1° 0	297	356	99	93	E	1	Calm	0	10	10	—	a. a. and p. Beautiful day.
13	52	29° 55	52° 2	47° 9	47° 4	65° 3	0° 6	1° 6	374	294	96	89	NW	1	WNW	4	10	0	087	a. a. and p. Beautiful day.
14	29° 80	30° 05	50° 5	41° 9	39° 5	56° 4	4° 3	1° 9	264	226	72	86	NW	4	NW	0° 5	0	0	—	early a. ☞ 9a. Beautiful
15	30° 09	30° 09	40° 9	44° 1	31° 8	57° 0	1° 1	2° 3	233	239	91	82	Calm	0	E	4	7	0	—	a. Beautiful day, cold wind.
16	30° 05	29° 90	48° 4	45° 9	38° 2	56° 3	3° 9	2° 6	250	252	74	82	E	5	E	4° 5	4	2	—	Dull, with cold wind a.
17	29° 79	29° 82	49° 2	56° 0	43° 7	58° 5	1° 7	2° 1	308	388	89	86	E	4° 5	ESE	3	10	10	—	a. and p. Delightfully fine and warm.
18	29° 95	30° 09	55° 8	49° 3	47° 9	65° 1	2° 5	1° 7	375	308	84	88	E	1° 5	ENE	1	1	0	—	a. and p. Delightfully fine and warm.
19	30° 23	29	51° 1	45° 1	40° 6	65° 2	2° 6	1° 2	310	272	82	90	E	1° 5	E	1	0	0	—	a. and p. Beautiful day.
20	32	27	45° 9	45° 1	37° 2	62° 2	1° 9	1° 4	266	267	87	89	ENE	1° 5	E	0° 5	0	1	—	a. a. and p. Beautiful day.
21	27	25	46° 2	44° 3	38° 8	61° 4	1° 9	1° 1	270	266	87	92	ENE	1° 5	NE	1	1	0	—	a. a. and p. Beautiful day.
22	31	33	42° 9	45° 9	33° 7	61° 6	0° 7	0° 7	260	292	95	95	NE	1	NE	0° 5	1	0	—	a. and p. Beautiful day.
23	32	25	43° 9	48° 1	35° 8	63° 4	0° 8	0° 5	268	324	94	96	NE	1	Calm	0	0	0	004	a. and p. Beautiful day.
24	20	18	48° 8	54° 1	46° 9	59° 6	0° 1	0° 2	343	414	99	98	Calm	0	NNW	1	10	10	—	a. a. and p. Beautiful day.
25	27	30	50° 8	47° 6	46° 9	63° 4	0° 0	0° 6	371	315	100	96	NNE	1	NE	0° 5	10	10	—	a. Dull day.
26	30° 28	30° 09	44° 6	53° 9	38° 3	62° 2	0° 4	1° 8	285	364	97	88	NE	1	SE	3	10	10	—	a. a. and p. Dull a. Fine p.
27	29° 91	29° 76	55° 6	57° 5	53° 0	58° 4	2° 0	0° 1	386	471	87	99	SSE	3	SW	2	10	10	—	a. Beautiful day.
28	73	70	57° 8	59° 8	55° 7	61° 4	0° 4	0° 4	467	501	97	97	SW	3	SW	4	10	10	270	Dull with ☉ showers. ☞ p.
29	75	92	57° 5	50° 8	50° 4	61° 5	0° 6	1° 1	455	344	96	92	WSW	1° 5	WSW	2	10	5	782	☞ most of day.
30	94	67	57° 4	58° 8	50° 7	61° 8	0° 6	1° 3	454	455	97	93	SW	1	SW	6	10	10	027	Fine and mild a. Beautiful p.
31	29° 64	29° 87	48° 8	44° 8	44° 5	60° 0	0° 9	1° 4	323	264	93	89	NNW	2° 5	WNW	1	10	2	400	Dull a. ☞ p.
32	30° 04	30° 11	49° 1	45° 7	39° 9	58° 2	2° 6	0° 9	286	287	82	94	W	2° 5	E	0° 5	5	0	010	Stormy n., with ☉. ☞ 9p. a. and p. Beautiful day.
Mean	29° 990	29° 997	50° 1	49° 2	42° 8	60° 5	1° 6	1° 3	327	322	89° 5	90° 7	2° 1		2° 0	6° 0	3° 6	2° 186		

PLYMOUTH.—OCTOBER 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

1	28°'92	29°'04	56°'0	52°'2	41°'4	60°'1	0°'0	2°'4	'328	84	S	WSW	10	10	'350	Overcast, with ☉ showers.
2	29°'54	'96	54°'5	49°'8	49°'7	56°'6	2°'2	1°'6	'362	100	NW	SW	10	2	—	Overcast and squally <i>a.</i> Bright <i>p.</i>
3	30°'00	'82	55°'7	54°'0	47°'8	61°'0	2°'5	4°'2	'374	84	WSW	WSW	7	10	'130	Sunny till 3½, then overcast and [squally
4	29°'68	29°'82	57°'5	53°'1	53°'0	57°'8	0°'4	0°'3	'460	96	SW	N	10	10	'010	Overcast all day.
5	'93	30°'02	53°'1	49°'8	49°'7	57°'6	3°'3	2°'9	'316	81	NE	NE	10	4	—	Cloudy day.
6	29°'97	29°'95	51°'6	53°'6	48°'5	57°'7	2°'0	2°'4	'330	86	E	NE	9	6	—	Overcast day.
7	30°'03	30°'21	54°'6	45°'4	44°'9	60°'3	3°'8	0°'5	'394	93	E	E	0	0	—	Fine and bright all day.
8	'23	'20	51°'0	50°'4	39°'3	59°'3	2°'2	0°'4	'318	85	NE	ENE	0	0	—	Fine and bright all day.
9	'16	'15	50°'1	44°'7	42°'9	60°'5	0°'5	0°'1	'349	96	E	ESE	10	0	—	Gloomy <i>a.</i> Sunny afternoon.
10	30°'11	30°'08	50°'9	49°'0	38°'6	60°'1	2°'3	1°'2	'315	85	E	NE	0	0	—	Fine and bright all day.
11	29°'84	29°'61	55°'5	54°'7	46°'1	60°'8	1°'4	0°'9	'400	91	E	E	9	10	'010	Dull day.
12	'50	29°'61	56°'7	49°'1	49°'1	59°'9	1°'1	3°'6	'427	93	NW	NW	10	1	'150	Overcast, with ☉ showers.
13	29°'82	30°'03	50°'6	42°'2	42°'1	53°'7	4°'7	0°'8	'258	70	N	E	3	0	—	Fine and bright all day.
14	30°'01	29°'97	44°'1	45°'6	38°'2	54°'3	1°'8	1°'5	'249	85	E	E	5	0	—	Fine, bright and sunny.
15	29°'85	'73	54°'4	54°'6	45°'2	55°'2	2°'8	1°'2	'346	92	E	E	3	10	—	Fine, bright and sunny.
16	'63	'71	55°'9	53°'7	53°'2	57°'6	0°'1	0°'0	'444	100	ESE	E	10	10	'010	Dull and overcast.
17	29°'84	29°'99	51°'1	56°'1	55°'8	62°'9	0°'1	0°'3	'498	99	E	E	10	0	—	Dull <i>a.</i> , then brilliant sunshine.
18	30°'08	30°'17	56°'1	54°'6	53°'7	61°'2	3°'3	0°'9	'412	91	ENE	E	2	0	—	Fine and bright all day.
19	'16	'14	53°'7	53°'6	50°'3	60°'1	0°'8	0°'9	'390	94	E	E	0	0	—	Fine and bright all day.
20	'16	'15	53°'1	52°'0	50°'7	57°'8	0°'3	0°'2	'396	98	E	E	5	0	—	Fine and bright all day.
21	'18	'23	54°'9	57°'2	49°'2	61°'3	0°'1	0°'4	'428	100	ENE	E	5	9	—	Fine and bright all day.
22	'23	'21	58°'6	56°'6	56°'6	65°'5	0°'7	0°'2	'470	96	E	SSW	4	10	—	Fine and bright all day.
23	'15	'15	54°'6	54°'6	53°'7	57°'1	0°'3	0°'5	'419	98	N	NE	10	4	'020	Overcast all day.
24	'20	30°'24	53°'6	53°'8	46°'7	61°'8	0°'7	0°'8	'392	115	SSW	SE	0	10	—	Fine, bright and warm.
25	30°'17	29°'98	56°'7	57°'8	52°'7	62°'3	0°'4	0°'4	'448	97	E	SSE	8	10	'105	Fine and bright. Cloudy <i>a.</i>
26	29°'83	'77	57°'1	57°'1	55°'7	57°'8	0°'4	0°'3	'455	97	S	SW	10	10	'590	Overcast, with ☉ showers.
27	'62	'62	58°'1	58°'2	55°'9	58°'4	0°'1	0°'4	'480	99	SSW	SW	10	200	1'200	Overcast all day, with ☉ <sup>2</sup> .
28	'72	'90	54°'1	56°'6	53°'3	58°'8	1°'1	0°'0	'387	100	N	WSW	9	8	—	Fine day.
29	'85	'60	56°'8	56°'7	56°'1	57°'6	0°'1	0°'2	'459	99	SSW	SW	10	10	'390	Overcast day. ↗ (SW gale).
30	'68	29°'88	50°'6	46°'1	46°'1	56°'9	1°'3	0°'2	'335	91	NW	W	10	0	—	Fine day.
31	29°'98	30°'11	51°'4	45°'9	42°'6	57°'8	1°'3	0°'0	'346	91	W	E	2	1	—	Fine and bright.
Mean	29°'905	29°'937	54°'2	52°'3	48°'5	59°'0	1°'3	0°'9	'388	91'3	—	—	6°'5	5°'0	2°'965	

ARMAGH.—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29°19	29°22	50°7	50°0	48°4	58°0	1°7	1°1	°326	°332	88	92	NNE 3	NNE 2	10	10	°030	
2	°51	°69	51°7	48°7	43°5	58°0	5°4	3°2	°247	°268	66	79	NNW 2	SSW 2	10	10	°052	
3	°44	°37	54°7	49°7	48°7	68°0	1°7	1°0	°379	°331	89	93	SW 4	WSW 1	10	8	°172	
4	29°62	29°87	52°0	41°7	37°7	58°0	5°2	1°2	°234	°205	70	90	N 0°5	N 1	2	—	—	early a.
5	30°02	30°04	48°2	37°9	32°0	55°8	4°6	1°2	°234	°205	70	90	NNE 2	Calm	8	10	—	
6	29°99	29°97	42°7	45°0	33°6	55°0	2°1	1°5	°230	°264	84	89	SSW 0°5	SSW 1	0	1	°005	
7	30°05	30°13	51°9	42°6	37°0	59°8	4°1	0°8	°285	°256	74	93	Calm	S	1	3	0	—
8	°14	30°06	45°8	45°3	33°5	56°5	1°8	0°5	°267	°291	87	96	Calm	S	1	3	0	—
9	30°01	29°92	50°7	50°0	38°5	58°0	2°7	2°0	°338	°372	86	87	SSW 2	S	3	10	°017	Overcast all day.
10	29°92	°78	52°4	54°9	48°2	60°0	2°1	2°1	°338	°372	86	87	SSW 2	SSW 3	10	9	°345	
11	°56	°36	55°7	57°0	53°0	61°5	0°8	1°3	°422	°425	95	91	WNW 1	WSW 2	9	5	°055	
12	°26	°38	50°0	40°5	40°5	58°0	0°8	1°5	°339	°220	94	88	WSW 1	W	1	8	°012	
13	°73	°85	45°8	42°8	37°4	55°5	3°0	2°6	°243	°221	80	80	SSW 1	SE	1	8	0	—
14	°97	°94	38°6	38°8	31°9	52°8	1°7	2°6	°265	°261	74	84	SE 2	SE 3	2	5	—	
15	°87	°71	50°0	46°3	30°0	54°2	4°0	2°3	°293	°389	82	91	ESE 3	SSE 3	10	10	—	
16	°56	°51	49°8	54°6	42°5	54°6	2°6	1°3	°293	°389	82	91	SSE 3	S	2	10	8	—
17	°65	29°85	58°8	58°0	54°0	61°5	2°5	0°9	°417	°454	84	94	SSE 3	S	0°5	10	8	—
18	29°98	30°05	58°0	53°2	53°1	65°5	1°2	0°4	°445	°394	92	93	SSW 0°5	SSW 2	7	0	—	early a.
19	30°08	°05	53°2	49°7	43°5	64°7	2°4	3°1	°340	°281	84	79	S 0°5	ENE 0°5	0	0	°005	after 9p.
20	°11	°13	44°2	41°3	34°2	59°2	1°6	0°8	°255	°245	88	94	NE 0°5	NE 0°5	10	7	°010	till 9a. and from 7p.
21	°14	°12	42°0	37°9	34°0	56°3	0°0	0°1	°267	°225	100	99	NE 0°5	WSW 1	10	10	—	a.
22	°11	°09	45°6	47°3	34°0	54°4	0°5	2°3	°263	°271	85	84	SW 0°5	SW 1	7	8	°035	before 9a.
23	°04	°01	46°0	47°3	41°2	55°8	2°1	1°9	°379	°332	96	94	SW 0°5	S	2	10	3	°024
24	30°11	30°11	52°4	49°6	47°3	56°0	0°5	0°9	°379	°332	96	96	S 2	S	3	10	10	°430
25	29°94	29°58	52°9	56°6	48°0	57°9	1°6	0°6	°356	°440	89	96	SW 2	SW 2	10	10	°062	
26	°53	°51	51°9	48°9	48°8	57°0	0°0	0°0	°387	°323	100	94	Calm	0	SSW 1	10	4	—
27	°52	°52	38°7	41°5	37°5	53°0	0°0	1°0	°235	°241	100	92	SSW 4	SSW 2	10	7	°237	
28	°37	°53	47°9	47°2	40°8	56°6	2°1	1°9	°282	°280	86	87	S 4	SW 2	10	10	°043	
29	°25	°30	55°0	46°5	46°2	57°3	1°9	1°7	°378	°277	86	84	SSW 3	SSW 3	0	0	°165	
30	°47	°51	50°2	50°2	50°3	50°3	1°8	2°3	°234	°305	86	81	SSW 3	SSW 3	0	0	—	
31	29°69	29°63	42°8	49°8	37°7	51°0	2°0	3°0	°233	°285	85	81	SW 2	S	3	2	10	—
Mean	29°768	29°767	49°1	47°5	41°1	56°9	2°1	1°5	°304	°297	86°1	89°2	1°7	1°7	7°3	6°0	1°699	

MARKREE CASTLE.—OCTOBER 1899.

Height above Mean Sea Level, 122 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 8° 27' W. Lat. 54° 11' N. Gravity Correction, + 0.04 in.

	29°24'	29°35'	51°8'	52°8'	48°7'	58°9'	3°1'	3°7'	'307	'304	79	76	NNE 3	NNE 5	9	9	—
1	29°24'	29°35'	51°8'	52°8'	48°7'	58°9'	3°1'	3°7'	'307	'304	79	76	NNE 3	NNE 5	9	9	—
2	'65	'76	52°1'	51°0'	47°8'	55°2'	5°4'	2°0'	'359	'323	67	86	NNW 3	S 3	4	10	'01
3	'50	'48	56°8'	47°6'	47°6'	61°2'	1°0'	1°7'	'432	'289	94	88	SSW 4	SW 2	10	8	'26
4	29°67'	29°95'	50°1'	42°9'	39°8'	54°6'	3°2'	1°5'	'283	'244	78	88	NE 1	Calm 0	9	1	—
5	30°08'	30°10'	47°2'	40°6'	30°7'	54°8'	3°2'	0°9'	'251	'234	78	93	Calm 0	S 0°5	8	10	—
6	'05	'02	43°6'	42°3'	35°6'	51°8'	2°7'	0°7'	'226	'255	79	95	S 1	Calm 0	9	9	—
7	'11	'17	47°7'	44°2'	37°0'	59°2'	3°4'	0°9'	'253	'270	77	93	SSW 0°5	NNE 1	1	2	—
8	'15	'30	45°1'	38°2'	29°5'	57°2'	0°6'	0°6'	'286	'218	95	95	S 2	Calm 0	0	0	—
9	30°04'	29°96'	47°7'	42°0'	33°7'	58°9'	0°6'	0°4'	'316	'258	96	97	SE 2	Calm 0	0	9	'05
10	29°94'	'82	54°6'	55°0'	41°2'	58°7'	0°7'	1°2'	'407	'397	95	92	SSE 1	S 2	10	8	'13
11	'58	'36	57°8'	57°0'	53°4'	62°1'	0°5'	0°8'	'463	'440	96	94	S 2	S 3	10	10	'28
12	'34	'50	51°3'	41°3'	40°0'	57°2'	6°1'	0°6'	'237	'245	63	95	NW 3	N 1	3	3	'51
13	29°81'	'95	50°2'	45°0'	38°4'	52°9'	6°8'	1°6'	'214	'262	59	88	NNW 1	NNW 2	7	9	'08
14	30°01'	'97	46°6'	39°5'	35°8'	50°8'	3°4'	2°2'	'241	'200	76	82	Calm 0	S 1	5	0	—
15	29°82'	'70	46°9'	44°6'	33°8'	53°7'	2°6'	2°6'	'261	'237	82	80	SSE 3	SSE 4	3	4	—
16	'55	'49	50°1'	55°8'	42°4'	55°8'	2°4'	1°0'	'301	'417	83	94	SE 3	SE 4	8	9	'01
17	'64	29°85'	60°0'	58°4'	55°4'	66°2'	1°9'	1°4'	'456	'445	89	91	S 3	SE 4	8	9	—
18	29°98'	30°04'	58°8'	58°8'	56°5'	64°1'	1°1'	2°1'	'461	'415	94	86	SE 2	SE 3	3	1	—
19	30°05'	'07	52°2'	48°8'	47°1'	62°2'	3°3'	1°8'	'306	'300	78	87	SE 3	S 1	1	0	—
20	'12	'18	44°0'	35°2'	33°2'	60°8'	1°1'	0°2'	'263	'202	91	98	S 1	Calm 0	1	0	—
21	'19	'17	35°0'	34°1'	28°6'	56°7'	3°0'	0°1'	'148	'195	72	99	Calm 0	Calm 0	7	6	—
22	'18	'16	45°0'	42°0'	32°0'	59°5'	0°1'	0°7'	'297	'252	99	94	Calm 0	N 0°5	9	9	—
23	'12	'10	45°0'	47°0'	31°5'	59°5'	1°1'	0°8'	'273	'303	91	94	Calm 0	SW 0°5	6	8	'04
24	30°18'	30°15'	53°5'	46°1'	45°5'	61°4'	1°1'	0°8'	'379	'293	92	94	NNE 0°5	SSW 0°5	9	7	'11
25	29°94'	29°62'	51°7'	57°2'	46°0'	57°6'	0°7'	0°4'	'365	'456	95	98	SE 2	S 1	10	10	'32
26	'60	'59	52°0'	43°0'	42°6'	57°5'	0°7'	1°0'	'369	'255	95	92	SW 1	Calm 0	10	7	'03
27	'59	'57	35°0'	36°0'	31°7'	55°4'	0°5'	0°5'	'194	'203	95	96	Calm 0	Calm 0	10	7	'03



## DUBLIN (PHENIX PARK).—OCTOBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.					
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.		9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.									
1	ins.	ins.	51.1	49.8	44.7	53.3	2.1	0	in.	in.	%	%	E	1	NE	1	8	7	ins.	Cloudy, with ☉ showers. — Cloudy day. — Dull day. ☉ 11a.—noon, and 3p.—8p. — Bright a. Cloudy p. — Beautiful day. — Fine day. — Beautiful day. ☼ 6p.—8p. — Fine day. ☼ 7p.—10p. — Beautiful day. — Fine day. — Cloudy, with ☉ showers. — Beautiful day. ☐ p. — Fine day. — Fine day. — Cloudy day. ☼ till 10a. Cloudy day. ☼ n. ☼ till 9.30a. Cloudy day. ☼ 7p. ☼ till 6a. Beautiful day. ☼ from 7p. ☼ till 5a. Beautiful day. ☼ from 7p. ☼ till 10a. Beautiful day. ☼ — Fine day. [5p.—10p. — Cloudy day. Dull a. Cloudy p. ☼ from 6p. ☼ a. Cloudy day. ☉ 1p.—6p. Dull day. ☉ 9a.—2p. — Cloudy day. Cloudy day. ☉ 2p.—3p. Cloudy day, with ☉ showers. Bright a. Cloudy, with ☉ showers Fine day. [p.	
2	29.18	29.23	51.1	49.8	44.7	53.3	2.1	0	3.9	322	266	85	74	NE	1	W	1	8	7		☉ 11a.—noon, and 3p.—8p.
3	29.18	29.23	51.1	49.8	44.7	53.3	2.1	0	3.9	322	266	85	74	SW	2	W	1	9	6		☉ 11a.—noon, and 3p.—8p.
4	29.68	29.94	54.7	49.0	40.1	54.8	2.4	1.0	264	235	83	92	Calm	0	Calm	0	2	2	—		Bright a. Cloudy p.
5	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	0	2	—		Beautiful day.
6	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
7	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Beautiful day.
8	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
9	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Beautiful day.
10	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
11	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Beautiful day.
12	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Beautiful day.
13	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
14	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Beautiful day.
15	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
16	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
17	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
18	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
19	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
20	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
21	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
22	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
23	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
24	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
25	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
26	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
27	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
28	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
29	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
30	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
31	30.07	30.11	44.6	34.6	34.0	50.8	2.7	1.0	236	181	80	91	Calm	0	Calm	0	4	0	—		Fine day.
Mean	29.858	29.872	49.1	45.4	38.5	57.6	2.3	1.5	299	279	84.1	89.6	0.5	0.4	5.2	3.9	1.730				

## PARSONSTOWN.—OCTOBER 1899.

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

1	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	0° a. Cloudy day. ∞ p.
2	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
3	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	Dull and overcast, with 0. ∞² p.
4	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
5	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
6	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
7	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
8	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
9	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
10	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
11	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
12	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
13	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
14	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
15	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
16	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
17	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
18	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
19	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
20	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
21	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
22	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
23	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
24	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
25	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
26	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
27	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
28	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
29	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
30	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
31	29.13	29.24	49.7	49.0	45.7	52.9	1.3	1.3	323	315	91	91	NW 1	NW 1	10	0	015	∞ a. and p. Fine day.
Mean	29.819	29.823	48.8	47.2	40.8	57.1	1.8	1.2	309	304	87.2	91.4	1.0	1.1	6.0	4.9	1.590	

## DEERNES.—NOVEMBER 1899.

Height above Mean Sea Level, 160 feet. Heights above Ground:—Bar., 12 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 2° 45' W. Lat. 58° 56' N. Gravity Correction, +.036 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	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.	° 6	° 3	°	° 8	1° 1	0° 0	in.	in.	%	%					ins.	
1	29° 25	29° 15	50° 6	50° 3	42° 0	51° 8	1° 1	0° 0	341	365	93	100	SSW 7	S 7	7	8	—	↗ (gale).
2	28° 93	28° 79	51° 0	50° 5	47° 0	51° 8	0° 0	0° 0	374	368	100	100	S 7	S 5	7	8	—	
3	28° 70	39	48° 0	45° 0	43° 0	50° 8	0° 5	2° 0	322	253	97	85	S 6	SW 7	10	3	35	● 2 p.-6 p.
4	29° 10	28° 65	44° 0	51° 7	42° 5	54° 1	3° 0	2° 0	244	360	84	94	W 3	SSE 9	4	9	07	⊕ noon.
5	28° 83	29° 17	47° 0	47° 0	42° 5	54° 1	3° 0	4° 5	253	233	79	73	SSW 8	SSW 8	0	3	—	T. Cold and stormy.
6	29° 15	29° 37	49° 2	42° 7	41° 0	49° 3	4° 3	5° 5	251	222	71	81	SSW 7	SW 5	7	0	—	T
7	29° 39	28° 98	48° 0	50° 8	42° 0	51° 8	2° 3	1° 5	278	333	84	89	SSE 5	S 7	6	3	—	↗ (gale) all day.
8	28° 62	28° 62	49° 8	45° 7	44° 0	50° 8	1° 1	1° 4	330	275	92	90	SSE 5	SW 5	10	9	12	Cold, with ● showers.
9	29° 23	29° 54	39° 3	37° 0	35° 0	50° 8	3° 9	1° 3	170	195	70	89	WNW 7	W 1	4	4	—	
10	28° 72	46° 2	49° 0	36° 0	49° 8	50° 8	3° 2	1° 0	242	322	78	93	SE 8	SSE 6	10	5	22	● showers.
11	29° 04	29° 08	44° 0	43° 0	43° 0	52° 0	5° 0	2° 0	188	234	65	84	WSW 8	W 11	4	10	50	● 2 × (sleet) showers. ↗ (71 miles per hour 10 p.)
12	75	70	44° 0	49° 7	41° 0	49° 8	2° 8	1° 1	228	329	78	92	WNW 2	SSW 4	7	8	05	● 2 before 9 a. ● showers.
13	71	29° 60	49° 5	49° 5	43° 0	51° 8	1° 0	1° 8	328	309	93	88	SSW 2	SSW 5	10	10	19	
14	74	30° 16	43° 5	41° 5	39° 0	49° 8	1° 5	2° 1	211	88	81	N 6	NW 2	10	1	—		
15	30° 40	42	44° 2	41° 0	38° 0	46° 2	3° 6	1° 7	214	221	74	86	NW 1	WSW 1	2	0	—	Very fine. Bright meteor 3 p. U
16	33	34	45° 0	48° 2	38° 8	49° 6	1° 8	1° 2	257	307	86	92	SSW 1	W 3	10	9	—	Mild and muggy 3 p.-6 p.
17	41	49	46° 5	44° 0	41° 0	48° 6	0° 2	2° 0	312	244	98	84	NW 3	NW 1	10	10	—	Mild day.
18	30° 35	30° 12	45° 0	46° 0	42° 0	49° 8	0° 7	2° 0	282	265	94	86	SW 1	SW 3	10	10	20	Very mild.
19	29° 91	29° 85	45° 0	48° 6	44° 0	49° 8	0° 0	0° 3	355	335	100	98	SW 4	NW 4	10	10	585	● all day.
20	30° 15	30° 08	36° 3	38° 2	33° 0	48° 8	3° 3	2° 2	155	188	72	82	NNW 3	SW 3	10	10	13	Dry and cold.
21	29° 80	29° 87	49° 0	46° 0	35° 0	49° 0	0° 1	0° 4	345	301	99	97	W 7	NW 5	9	9	11	● showers.
22	30° 00	92	42° 8	47° 0	35° 8	49° 6	0° 0	1° 5	275	287	100	90	NNW 1	W 4	6	10	27	● showers a. ● showers p.
23	29° 53	49	51° 0	51° 0	43° 6	51° 8	0° 2	0° 7	369	356	99	95	W 8	W 7	10	10	26	● showers all day.
24	30	78	50° 0	38° 6	37° 5	51° 3	1° 0	3° 2	334	175	93	75	WNW 7	NNW 2	10	3	03	● 0 a.
25	88	82	49° 0	48° 6	36° 0	49° 0	2° 0	0° 9	298	320	86	94	S 2	SSW 4	8	3	135	Mild day.
26	40	52	52° 2	48° 3	46° 0	52° 8	2° 7	3° 1	321	265	82	78	SSW 7	W 8	10	8	06	● a. ● showers p.
27	67	66	50° 2	51° 3	40° 6	53° 0	0° 2	1° 7	358	334	99	88	W 6	WSW 9	10	6	—	
28	59	77	52° 8	52° 0	50° 4	53° 0	0° 5	0° 0	386	388	96	100	WSW 8	W 6	10	39	—	● 0 all day.
29	84	90	51° 2	51° 0	48° 8	52° 5	1° 2	5° 0	345	255	92	68	WSW 8	WSW 6	8	3	—	
30	29° 69	29° 40	48° 2	46° 8	46° 8	52° 0	2° 1	0° 0	285	343	86	100	SSW 6	SW 6	10	10	28	● 0 after 8 p.
Mean	29° 563	29° 545	47° 2	46° 7	41° 2	50° 8	1° 7	1° 6	290	286	87° 6	88° 4	5° 2	5° 1	8° 0	6° 7	3° 950	



## BRAEMAR.—NOVEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.				Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.						9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
	ins.	ins.							in.	in.	%	%						ins.		
1	28.29	28.26	48.3	45.4	39.3	48.8	3.7	3.6	.253	.226	75	75	SW	4	SW	2	8	9	Dull, with ☉.	
2	28.01	27.90	51.6	47.9	41.2	51.8	3.7	3.1	.291	.262	76	80	SW	8	SW	4	7	9	Dull, with ☉.	
3	27.83	27.72	43.9	42.4	35.6	48.2	2.2	3.6	.240	.200	84	75	SW	8	SW	10	10	2	☉ all day.	
4	28.19	27.80	38.8	54.6	34.3	56.8	2.3	1.3	.192	.389	82	91	SW	0.5	SW	10	4	10	73 Fine day ☉ p.	
5	.03	28.37	42.1	41.6	37.3	55.0	2.7	3.1	.213	.202	80	78	SW	6	SW	6	7	3	☉ showers.	
6	.30	28.49	40.4	38.0	43.6	30.0	2.0	3.2	.214	.189	78	76	SW	6	SW	2	10	2	☉ a. Fair p.	
7	28.38	28.05	46.5	48.4	37.8	50.0	2.0	1.6	.270	.300	86	89	SW	8	SW	4	9	10	2-10 Dull, with ☉ all day.	
8	27.71	27.82	41.8	42.2	39.0	48.8	1.6	2.7	.231	.214	88	81	SW	4	SW	2	6	7	☉ showers.	
9	28.37	28.57	36.8	30.6	28.2	43.0	5.1	1.8	.132	.128	61	74	W	2	SW	0.5	4	3	17 Fine day.	
10	.06	27.92	43.0	42.6	28.0	48.8	2.2	2.6	.230	.219	83	81	SE	2	SW	6	10	7	29 Dull, with ☉.	
11	.28	28.52	35.9	35.7	32.8	43.0	1.3	2.2	.188	.169	89	81	SW	1	SW	4	4	8	15 ☉ (sleet) ☉.	
12	.85	.80	42.6	49.6	34.2	50.0	2.4	3.1	.223	.280	82	80	SW	0.5	SW	6	7	8	—	
13	.81	28.73	50.8	48.3	46.0	51.2	3.3	3.8	.290	.251	78	74	SW	4	SW	8	8	9	30 Lunar ☾.	
14	28.71	29.17	47.7	38.6	37.0	48.2	1.0	2.3	.307	.190	93	81	W	0.5	W	2	10	1	20 Dull, with ☉ a. Fair p.	
15	29.42	.41	24.4	30.9	22.7	39.8	0.9	0.8	.101	.152	77	88	S	0.5	SE	0.5	0	0	—	Fair and clear.
16	.36	.26	31.6	42.9	23.4	43.7	1.1	1.5	.153	.253	85	91	SE	0.5	SE	0.5	8	8	—	Dull day.
17	.43	.47	38.9	41.6	37.0	44.0	1.0	1.5	.218	.231	93	89	SE	0.5	SE	0.5	8	8	—	Dull day.
18	.35	29.17	35.8	40.6	31.3	43.0	0.6	2.9	.199	.197	95	78	SE	0.5	S	0.5	7	1	—	Dull day.
19	.02	28.89	47.3	47.6	37.5	49.0	2.5	1.8	.268	.286	83	88	SW	2	N	6	8	8	07 Dull, with ☉.	
20	29.08	29.14	42.7	37.6	34.5	48.0	6.3	1.3	.160	.200	58	89	NE	2	SW	0.5	9	8	02	—
21	28.98	28.97	45.4	44.9	36.0	46.7	1.9	1.3	.260	.268	87	91	SW	1	SW	0.5	8	6	02	☉ showers. ☐
22	29.06	29.02	44.6	43.6	41.3	46.0	2.1	2.9	.248	.222	84	78	SW	0.5	SW	0.5	8	8	02	—
23	28.75	28.71	48.1	50.6	41.0	51.7	1.6	2.1	.296	.316	89	86	SW	1	SW	1	10	9	—	—
24	.46	.80	45.4	48.9	40.3	51.7	1.2	1.2	.276	.317	92	92	NW	0.5	SW	0.5	9	10	05	Dull, with ☉.
25	.85	.93	46.9	46.3	31.3	52.2	1.7	3.1	.281	.245	88	78	NW	0.5	SW	1	10	4	04	—
26	.63	.63	47.6	50.9	45.8	52.0	1.9	4.0	.284	.275	87	74	SW	6	SW	6	9	1	04	Dull, with ☉ showers.
27	.82	.88	50.8	49.7	45.4	52.1	4.6	2.5	.261	.295	70	83	NW	6	SW	6	7	8	—	—
28	.81	.93	51.3	50.7	48.4	52.0	2.8	2.2	.308	.315	81	86	SW	6	SW	4	9	8	—	—
29	.99	.98	46.6	45.2	43.6	51.0	3.8	3.7	.233	.223	74	74	W	4	SW	0.5	7	4	—	Very fine.
30	28.81	28.55	45.9	46.4	41.2	47.3	2.6	2.6	.252	.257	82	83	SW	6	SW	4	7	10	—	—
Mean	28.654	28.661	43.5	44.2	37.0	48.6	2.4	2.4	.236	.242	82.0	82.1	3.1	3.3	7.6	6.3	6.70			

## LAUDALE.—NOVEMBER 1899.

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

1	29.52	29.29	53.0	51.8	48.0	54.2	4.0	4.1	299	284	71	74	SW	4	S	5	10	10	35	Threatening, with squally	
2	29.12	28.99	53.0	53.0	48.0	55.7	3.0	4.3	322	292	80	73	S	2	S	4	10	9	50	showers p.	
3	28.75	28.89	48.0	49.3	44.3	53.0	2.0	4.3	285	252	86	71	S	6	W	8	10	4	41	(severe gale) 2 from 4p.	
4	29.27	28.83	49.0	58.3	48.7	60.0	4.0	2.3	255	247	73	85	S	3	W	7	8	10	70	(severe gale) 2 from 3p.	
5	29.44	29.44	45.7	49.4	41.3	58.3	2.9	4.4	243	251	80	71	WNW	5	NW	4	8	6	14	all day.	
6	29.38	29.38	47.0	46.2	43.7	51.7	3.0	2.2	253	263	79	85	NW	3	NW	3	7	4	45	all day.	
7	29.35	29.35	53.0	53.1	45.0	55.7	2.3	2.1	340	346	84	85	W	4	W	1	10	6	86	all day.	
8	28.81	28.81	47.0	47.3	44.7	53.5	2.0	2.3	275	271	86	84	WNW	5	NW	4	10	7	50	showers.	
9	29.63	29.63	47.0	43.7	41.0	37.0	2.9	2.7	223	202	78	79	N	3	N	1	8	4	13	(sleet) showers.	
10	29.08	29.08	46.6	43.0	37.0	53.3	1.6	1.0	280	255	89	92	S	5	W	9	10	10	60	(terrible gale) 2 at night.	
11	29.45	29.45	44.3	44.3	33.7	52.2	2.6	3.3	235	221	80	75	NW	3	NW	5	8	6	30	showers.	
12	30.10	30.10	47.0	53.3	40.3	54.7	0.8	2.1	303	348	94	85	W	2	W	5	10	10	22	showers p.	
13	29.99	29.99	54.3	53.0	50.0	55.2	2.3	3.7	357	306	84	76	S	2	SE	3	10	10	54	showers.	
14	29.88	29.88	45.5	41.2	40.0	53.0	1.6	3.0	268	196	88	76	SW	3	N	1	10	0	14	a.	
15	30.62	30.62	46.0	45.0	32.2	49.7	2.0	4.0	215	214	82	72	ENE	1	ESE	1	0	10	—	a. and p.	
16	29.56	29.56	50.0	48.0	37.7	50.4	2.8	1.7	291	292	81	88	S	5	S	2	10	10	—	Squally a.	
17	29.67	29.67	46.0	46.0	44.9	49.1	2.0	2.0	265	287	86	93	Calm	0	Calm	0	10	9	—		
18	29.56	29.56	41.2	45.2	47.0	44.7	48.0	3.1	3.0	233	253	78	79	SW	2	S	2	9	10	04	showers a. Squally with p.
19	29.25	29.25	51.0	51.0	46.3	53.5	1.3	1.0	341	348	91	93	W	3	SW	4	10	10	38		
20	29.29	29.29	47.2	41.0	38.7	51.7	1.7	1.1	285	233	89	91	N	1	NNW	1	7	10	24	Fine day.	
21	29.24	29.24	50.8	49.0	40.0	51.6	1.5	1.3	333	315	89	91	W	3	NW	4	8	7	03	showers a. and p.	
22	29.28	29.28	49.2	49.8	46.0	50.2	2.9	2.8	281	288	80	81	NW	3	WSW	3	7	8	42	Fair a. and p.	
23	30.01	30.01	53.0	52.3	49.0	54.2	1.9	1.3	350	357	87	91	W	6	W	7	10	10	70	showers p.	
24	29.81	29.81	53.7	47.8	47.0	54.0	1.7	0.5	364	320	88	96	W	8	W	2	10	10	47	Squally 2 all day.	
25	30.12	30.12	52.5	53.3	46.8	56.7	1.2	1.9	362	354	91	87	W	2	W	2	10	10	22	Squally 2 all day.	
26	29.88	29.88	54.0	51.0	50.0	56.5	2.7	4.0	342	276	82	74	W	5	W	5	10	10	1-02	showers a and p.	
27	30.11	30.11	51.4	52.5	49.9	53.7	2.4	2.3	318	333	84	84	W	3	W	4	10	10	09	Squally (severe storm) 2.	
28	29.11	29.11	53.5	53.5	51.5	55.3	1.7	1.5	362	367	89	89	W	5	W	7	10	10	40	Squally showers.	
29	29.25	29.25	52.7	51.0	50.0	54.0	3.7	4.0	302	276	76	74	W	3	SW	1	10	10	01	Squally 2.	
30	29.01	29.01	51.0	50.3	48.7	51.0	3.7	1.6	283	324	76	89	S	5	S	7	10	10	50	Very dark and threatening.	
Mean	29.844	29.857	49.1	49.1	44.2	53.3	2.4	2.5	294	291	83.5	82.8	3.5	3.7	9.0	8.3	10.36				Squally (gale) all day.

## DUNDEE.—NOVEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.	9 a.m.	9 p.m.	9 a.m.			9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.										
	ins.	ins.	°	°	°	°	in.	in.	%	%					ins.					
1	29.49	29.29	51.0	46.6	43.3	54.2	3.0	2.1	.299	.269	80	86	SW	4	SW	6	10	10	.02	Dull day. ↗ from 10a.
2	29.09	28.95	51.6	48.4	43.6	56.5	0.9	0.8	.358	.321	94	94	SW	1	SW	1	10	10	.28	● n. ● showers from 1.30p.
3	28.83	.80	48.9	45.4	41.5	52.1	3.0	1.9	.276	.260	80	87	SW	6	SW	8	10	10	.53	● 9a.-4p. Very gloomy 11a.-3p.
4	29.22	28.83	43.2	55.6	36.2	55.8	0.7	0.8	.264	.240	94	95	W	1	SW	8	5	10	.20	● from 3p. [3p. (gale).]
5	.14	29.44	47.4	44.8	43.5	56.2	3.7	2.8	.243	.235	75	79	SW	10	SW	8	5	7	—	● showers 11a.-3p. ↗ (gale) till
6	.41	.58	47.4	41.6	39.5	50.5	3.6	1.5	.245	.231	76	89	SW	10	SW	10	10	10	.19	↗ (gale). ● showers from 10a.
7	29.45	29.06	48.8	50.4	37.4	53.1	2.3	2.8	.290	.266	84	82	SW	10	SW	10	10	10	.01	● n. and till 8a. ● showers.
8	28.76	28.81	46.7	45.2	44.3	51.0	1.7	3.2	.279	.231	88	77	SW	2	SW	2	5	10	.46	↗ n. and till noon, and from 6p.
9	29.49	29.63	40.4	37.6	35.9	47.7	3.2	0.6	.189	.213	76	95	SE	10	SW	10	10	10	.33	● 10a.-3p.
10	.05	.01	47.3	45.8	36.3	50.4	0.6	2.5	.312	.253	96	82	SW	2	W	6	10	10	.02	Dull day.
11	.34	.61	43.1	38.7	36.9	46.5	2.5	1.3	.225	.210	81	90	SW	2	W	4	10	10	—	Dull day.
12	.91	.87	46.6	49.8	37.3	50.7	3.0	1.9	.250	.210	79	87	W	1	W	4	10	10	—	Dull day.
13	.89	29.80	51.4	49.4	48.1	52.7	1.8	2.4	.333	.293	88	84	W	4	W	2	10	10	.24	↗ (gale) ● 11.30a.-4p.
14	29.77	30.20	49.8	44.6	42.7	51.7	2.3	2.8	.300	.234	85	80	SW	1	NE	4	10	10	—	Cloudy day. ∞
15	30.50	.51	33.5	33.6	31.5	45.5	0.1	1.82	.191	.191	94	99	NW	1	NE	1	10	7	—	Dull day.
16	.47	.46	33.9	44.4	29.3	45.6	1.3	0.9	.169	.272	86	93	SW	1	W	1	10	10	—	Dull day.
17	.51	.52	41.5	43.1	39.3	48.9	0.5	0.8	.251	.261	96	93	W	1	SW	1	10	10	—	Dull day.
18	.43	30.27	36.9	37.4	35.6	43.7	0.1	0.4	.217	.215	99	96	SW	1	W	1	10	10	.01	Dull day. ● 1p.-4p.
19	.12	29.92	45.5	49.6	32.9	49.7	0.8	1.3	.287	.322	95	91	W	2	W	6	10	10	.02	Dull day.
20	.14	30.18	43.0	38.9	37.7	50.0	1.5	1.4	.245	.210	88	90	NE	1	NE	1	5	10	—	Dull day.
21	.03	.01	44.4	48.0	37.9	51.1	0.8	3.3	.274	.257	94	77	W	2	W	1	10	5	—	Dull and cloudy.
22	30.13	30.10	46.2	44.9	49.2	2.5	1.4	.257	.266	83	90	W	2	W	1	10	5	—	Cloudy day.	
23	29.83	29.76	48.8	52.1	43.2	54.1	1.6	1.9	.305	.339	88	86	W	8	W	8	10	5	.12	Dull day. ● from 1.30p.
24	.59	29.83	52.5	45.9	45.2	55.6	2.4	1.4	.289	.311	98	97	NW	1	W	2	10	10	—	● n. and till 7a. Dull day.
25	.99	30.02	44.6	46.8	42.6	49.7	0.2	0.4	.305	.354	88	87	SW	10	W	6	10	10	.02	↗ (gale) till 6p. ● showers 1.30p.-4p.
26	.80	29.72	49.4	53.5	46.1	53.7	1.9	2.0	.309	.358	89	87	SW	4	W	4	10	10	—	Dull till 11.30a. and from 3p.
27	.90	29.95	51.5	51.2	48.7	53.8	1.6	1.9	.334	.333	82	87	W	10	W	8	10	5	—	Dull day. ↗ (gale).
28	29.90	30.01	53.1	51.6	50.3	53.9	2.6	1.9	.290	.274	85	86	W	2	W	6	5	7	—	Fine day.
29	30.06	30.04	48.6	46.9	45.7	52.4	2.2	2.0	.280	.285	85	82	SW	6	SW	6	10	10	.02	Dull day.
30	29.93	29.66	47.9	49.2	44.4	49.6	2.2	2.7												
Mean	29.738	30.728	46.2	46.0	40.7	51.2	1.8	1.7	.274	.276	87.0	88.0	4.0	4.2	8.7	8.9	2.53			



## LADYLAW.—NOVEMBER 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +0.026 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.				Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Tension.		Percentage.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.			
1	29.74	29.03	50.0	48.2	36.4	55.4	2.2	3.4	.304	.257	85	77	S	4	S	2	10	10	—	Overcast all day.
2	28.81	28.69	52.0	49.0	40.6	55.4	0.6	0.6	.372	.332	96	96	SW	1	S	2	10	10	.454	Overcast all day. ☉ <sup>2</sup> late p.
3	.58	.61	47.4	44.2	38.6	54.2	1.0	2.6	.303	.234	93	80	SW	4	S	2	10	0	.508	Overcast, with ☉ <sup>2</sup> till 2p.
4	.93	28.61	44.4	60.0	38.4	60.0	2.2	2.4	.244	.441	84	86	W	2	W	3	4	10	.744	Overcast from 4p. ☉ <sup>2</sup> from 7p.
5	28.94	29.19	48.2	47.0	36.4	60.4	3.4	2.4	.257	.266	77	83	W	4	W	2	5	0	.012	☉ a. Fine and mild.
6	29.14	29.33	49.0	40.4	35.2	55.4	4.2	2.0	.251	.211	72	84	SW	4	SW	1	0	0	.174	Fine till 11a., then ☉ <sup>2</sup> at times.
7	29.19	28.82	47.4	40.0	35.4	55.4	2.7	3.0	.264	.189	82	76	W	2	SW	4	10	10	.434	Overcast all day. ☉ <sup>2</sup> at times.
8	28.49	28.57	45.2	43.0	34.6	54.2	1.3	1.4	.271	.247	90	89	W	2	SW	2	10	10	.274	Overcast all day. ☉ <sup>2</sup> at times.
9	29.21	29.31	43.2	35.1	32.4	52.8	3.4	1.8	.209	.169	76	82	SW	2	W	1	0	0	—	Fine all day.
10	28.71	28.90	48.4	42.0	32.4	53.4	1.0	2.2	.315	.221	93	84	W	1	W	2	10	10	.704	Overcast all day. ☉ <sup>2</sup> at times.
11	29.12	29.40	49.2	36.3	32.6	54.2	1.2	2.2	.319	.174	92	81	W	1	W	2	10	10	.102	Overcast all day.
12	.65	.66	46.4	49.4	34.2	52.4	2.8	2.0	.253	.303	81	87	W	1	SW	2	10	10	—	Overcast all day.
13	.64	.54	50.2	48.4	38.8	54.8	1.9	1.8	.315	.295	87	87	SW	1	SW	1	6	7	—	Overcast all day.
14	29.49	29.83	48.4	49.0	36.4	55.2	0.8	1.4	.321	.312	94	90	SW	1	SW	1	10	10	.304	Cloudy and mild.
15	30.15	30.19	41.2	38.2	34.6	50.6	1.2	2.6	.233	.181	91	79	NW	1	W	1	6	0	—	Overcast with ☉ <sup>0</sup> all day.
16	.17	.15	36.3	31.9	27.6	48.4	2.5	1.5	.169	.146	78	80	W	1	W	1	0	0	—	☉ p.
17	.20	.21	31.3	35.1	26.4	50.2	1.9	2.1	.132	.163	75	79	W	1	Calm	0	0	0	—	Fine all day.
18	30.14	30.00	34.1	41.4	26.4	42.8	0.5	1.8	.187	.224	95	87	Calm	0	W	1	10	10	—	☉ a. Fine all day.
19	29.86	29.69	43.0	45.0	35.4	47.8	2.0	1.4	.234	.266	84	89	W	1	W	2	10	10	—	☉ a. Overcast and cold.
20	.78	.87	47.4	39.0	37.4	49.8	1.6	1.6	.288	.207	89	87	NW	1	NW	1	10	10	—	Overcast all day.
21	.81	.76	45.0	47.2	37.4	52.0	2.4	1.5	.245	.289	82	90	W	1	SW	1	10	8	—	Overcast all day.
22	.85	.82	42.4	43.4	33.2	51.6	1.8	1.8	.233	.260	86	92	SW	1	SW	1	4	10	—	Overcast all day.
23	.64	.62	47.4	45.0	38.4	54.2	2.6	2.0	.267	.253	83	85	SW	2	SW	2	10	10	—	Overcast all day.
24	.44	.52	50.2	50.4	40.4	54.8	3.3	1.1	.282	.338	78	92	SW	2	SW	1	8	10	—	Overcast all day.
25	.70	.75	51.2	49.0	42.8	55.0	1.2	1.4	.345	.312	92	90	S	2	SW	1	10	10	—	Overcast all day.
26	.63	.50	49.0	52.0	46.8	52.2	2.0	0.8	.298	.366	86	94	SW	3	SW	1	10	10	.024	Overcast all day.
27	.67	.76	52.0	52.4	48.0	54.8	1.8	1.2	.340	.360	87	91	SW	1	SW	2	10	10	—	Overcast all day.
28	.73	.77	50.2	49.0	47.2	52.4	2.2	1.6	.307	.308	85	89	S	2	S	1	10	3	—	Overcast most of day.
29	.83	.79	47.4	43.4	41.6	52.2	1.6	1.8	.288	.243	89	86	SW	1	SW	1	0	0	—	Fine and sunny.
30	29.69	29.39	46.0	49.0	41.0	49.0	2.2	3.2	.261	.272	85	78	SW	1	SW	5	10	10	.234	Overcast all day. ☉ <sup>0</sup> p.
Mean	29.481	29.476	46.1	44.8	36.9	53.0	2.0	1.9	.270	.261	85.6	85.7	1.7	1.6	7.4	6.9	3.968			

## SCARBOROUGH.—NOVEMBER 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.025 in.

[No observations this month owing to change of Observer.]

## CRONKBORNE.—NOVEMBER 1899.

Height above Mean Sea Level, 137 feet. Heights above Ground:—Bar., 3 feet. Therms., 4 feet. Rain-gauge, 10½ inches.  
Long. 4° 29' W. Lat. 54° 10' N. Gravity Correction, +0.024 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		9 p.m.	
1	ins.	ins.	51.6	51.0	50.2	53.8	0.8	3.8	361	281	95	75	SSW 5-7	SSE 5-6	10	10	ins.	Dull, with squally showers.
2	29.60	29.30	54.0	52.0	51.0	55.6	1.2	2.0	382	335	92	86	S 3	SW 4-5	10	7	389	Overcast, with squally showers.
3	29.16	29.07	54.0	52.0	51.0	55.6	1.2	2.0	382	335	92	86	S 8-9	WSW 4-5	10	0	578	Overcast, with squally showers.
4	28.85	28.71	52.6	48.4	45.3	53.1	3.9	3.1	372	267	94	79	S 3	SSW 6-7	6	10	206	Dull and overcast. Squally n.
5	29.26	29.00	53.4	56.8	45.4	57.0	3.9	0.2	307	456	75	98	SW 4	SSW 3-4	4	3	—	Fine day. Squally p.
6	34	55	50.4	50.5	49.0	57.1	4.6	2.5	257	304	71	83	SW 5	WNW 2	1	0	030	Fine day. p.
7	55	71	52.5	45.6	45.6	54.0	3.4	1.3	307	276	78	90	S 6	S 6	10	5	205	Overcast, with squally showers.
8	29.49	29.15	54.4	53.1	43.3	54.9	0.8	0.8	401	382	95	94	SW 6-7	W 6-7	8	4	038	Dull, with squally showers.
9	28.90	29.13	50.2	47.8	47.8	54.0	3.1	2.4	286	274	80	83	WNW 2	SE 5	1	10	294	Fine day. p.
10	29.63	29.56	48.4	49.4	46.0	51.6	3.4	1.2	412	283	97	92	SW 4	W 8	10	10	132	showers. p.
11	04	49	54.4	46.0	44.3	56.0	0.4	1.2	412	283	97	92	WNW 7-9	WNW 6-7	9	6	059	Dull, with showers.
12	29.60	29.92	47.4	43.6	37.4	50.0	2.9	1.8	260	245	81	86	WSW 3	WSW 5	10	8	—	Dull day.
13	30.09	30.06	49.4	52.8	43.0	53.5	1.8	1.1	307	369	88	92	SW 3	S 3	8	10	008	Dull day.
14	30.07	29.92	52.4	53.5	42.0	54.6	0.6	0.8	371	367	94	89	SSE 4-5	ENE 3	10	10	155	Overcast day. n.
15	29.83	30.10	53.4	51.3	48.1	54.3	0.9	0.3	383	370	94	98	ESE 3	ESE 4	10	10	002	Dull day.
16	30.44	30.49	49.8	49.0	48.0	51.8	1.4	2.2	322	294	90	85	ESE 3	NE 2	10	10	—	Overcast day.
17	50	51	47.4	48.3	46.7	49.0	0.9	1.3	306	306	94	91	ESE 1	NNW 1	10	7	—	Dull day. p.
18	56	53	46.3	35.5	38.0	48.7	1.6	0.3	276	202	89	97	W 1	WSW 2	10	10	—	Overcast day.
19	48	37	45.9	47.0	35.2	47.8	2.2	0.5	260	311	85	97	WSW 2	W 3	4	10	—	Cloudy day.
20	26	14	47.4	48.4	39.4	50.0	1.2	0.6	298	326	91	96	NNW 4	NW 1	3	10	—	Dull day.
21	14	24	50.2	48.0	47.2	52.5	1.5	0.7	325	317	90	95	WNW 1	WNW 5	3	10	—	Dull day. p.
22	23	23	47.8	49.5	44.0	52.1	1.5	1.4	296	318	89	90	W 2	W 3	10	10	001	Overcast day.
23	27	26	48.7	49.6	47.4	50.0	2.4	3.6	286	269	83	76	WSW 4	WSW 4-5	8	6	—	Cloudy day. p.
24	30.13	30.10	49.6	50.6	48.0	52.2	0.6	1.2	340	338	96	92	WSW 5-6	W 5-6	9	10	—	Dull, with squally showers.
25	29.96	29.98	51.5	53.0	49.0	53.5	2.6	2.0	315	347	82	86	W 1	WSW 2	8	6	—	Dull day.
26	30.12	30.16	50.0	50.8	46.0	53.0	1.2	1.1	329	344	92	92	WSW 3	WSW 6	4	10	—	Dull day.
27	09	04	50.7	53.2	48.7	53.2	2.3	0.2	312	400	85	99	W 3	WSW 4	9	10	—	Dull day.
28	15	20	51.8	53.0	50.2	53.8	1.7	2.8	341	327	88	81	WSW 4-5	SW 3-4	7	0	—	Cloudy day.
29	20	23	50.2	52.0	49.2	53.5	1.1	0.8	335	366	93	94	WSW 2	SW 3	10	10	—	Dull day.
30	26	30.19	50.8	49.6	49.6	52.4	1.8	3.2	325	278	87	79	SSW 3	SW 4-5	10	8	642	Dull day.
30	30.08	29.85	50.4	51.6	48.0	51.6	2.4	1.9	305	333	84	87						
Mean	29.876	29.885	50.4	49.7	45.6	52.8	1.8	1.6	321	320	87.6	89.1	3.7	4.1	7.7	7.7	2.899	

## STONYHURST.—NOVEMBER 1899.

Height above Mean Sea Level, 375 feet. Heights above Ground:—Bar., -12 feet. Therms., 7 feet. Rain-gauge, 2 feet.  
Long. 2° 28' W. Lat. 53° 51' N. Gravity Correction, +0.023 in.

1	29.49	29.18	48.0	48.9	43.6	51.3	3.6	5.7	.251	.222	75	63	SbyW 4	SEbyE 2	9	10	—	Bright intervals.
2	29.01	28.91	57.4	54.0	47.6	59.3	3.6	2.5	.368	.347	78	83	SbyE 5	SSW 4	9	10	.150	Squally a. T 3.30p.
3	28.88	.95	50.0	46.8	45.7	54.0	3.8	4.5	.269	.222	75	70	S by E 6	SW 2	9	9	.240	Squally (force 9) ▲●.
4	29.14	28.91	47.4	60.0	42.0	60.0	2.9	3.2	.260	.417	81	81	S	SbyE 8	9	10	.430	Squally ● p.
5	.20	29.40	51.0	47.9	46.6	60.0	3.4	4.4	.290	.235	78	71	SWbyS 2	SW 1	10	10	—	Fine day.
6	.40	.54	48.0	46.0	45.2	52.6	3.7	2.5	.249	.255	75	83	SSW 1	WSW 1	9	9	.010	Fine day.
7	29.44	29.06	48.7	51.5	42.5	51.5	2.7	3.5	.279	.293	81	77	S by E 7	SbyE 8	10	10	.520	Squally (force 8) ●.
8	28.78	28.88	48.0	49.0	45.6	52.3	4.6	1.2	.232	.317	69	92	SbyW 1	WbyS 5	10	9	.230	☞ 34. ● <sup>2</sup> showers.
9	29.39	29.44	46.0	43.7	40.6	49.0	3.5	3.2	.235	.218	76	76	SWbyW 1	NNW 1	10	10	.090	● <sup>2</sup> showers a. Bright intervals.
10	28.90	.27	52.0	46.2	43.5	54.3	2.0	4.5	.335	.218	86	70	S	WbyS 7	10	9	.320	Squally ● showers.
11	29.37	.69	49.4	44.0	42.5	50.3	3.1	4.0	.279	.205	79	71	SW 6	W 5	10	9	.020	Squally (gale). ▲● showers.
12	.87	.89	48.2	49.0	43.5	50.3	1.5	0.0	.300	.348	90	100	W 4	SWbyW 2	10	10	—	—
13	.88	.80	48.2	48.0	47.9	53.3	0.6	2.0	.324	.285	96	86	SWbyW 2	SW 1	10	8	—	Fine day.
14	29.69	29.91	47.8	51.0	47.0	53.4	1.5	0.7	.296	.356	89	95	S	Calm 0	10	10	.030	Dull day. ● <sup>0</sup> in evening.
15	30.23	30.30	47.2	40.0	40.0	51.6	1.3	1.0	.294	.226	91	92	ENE 1	ENE 1	0	0	—	Bright intervals.
16	.31	.30	38.5	36.7	36.7	45.2	1.5	0.7	.203	.204	87	94	Calm 0	Calm 0	6	0	—	Blue ~~~~~ <sup>0</sup> (mist).
17	.34	.31	37.3	35.0	34.5	43.0	1.2	0.5	.199	.194	90	95	Calm 0	NEbyN 1	6	0	—	Blue ~~~~~ <sup>0</sup> (mist).
18	.27	30.17	30.5	35.0	28.8	35.6	0.3	0.0	.162	.202	95	100	NEbyN 1	Calm 0	0	10	—	~~~~~ all day.
19	30.05	30.89	40.4	41.4	34.8	45.3	0.4	0.0	.242	.261	97	99	SWbyS 1	SWbyS 1	10	9	—	Dull, with ~~~~~ <sup>0</sup> (mist).
20	29.88	30.02	47.6	42.9	41.4	50.0	0.1	1.4	.328	.246	100	89	Calm 0	Calm 0	10	10	.020	~~~~~ <sup>0</sup> (mist) a. ● showers
21	30.00	29.96	44.0	47.6	42.0	49.4	0.4	0.6	.279	.315	97	96	Calm 0	WbyS 2	10	10	—	~~~~~ <sup>0</sup> (mist) a.
22	30.01	30.03	47.2	46.4	46.0	48.6	1.2	1.2	.295	.287	92	91	W 1	WhyN 1	10	10	—	—
23	29.90	29.86	47.0	48.4	45.3	49.8	2.0	0.4	.275	.330	86	97	SWbyW 3	WSW 3	10	10	.027	—
24	.73	.76	49.2	50.0	47.6	51.5	2.2	1.1	.296	.332	85	92	WSW 4	WSW 2	10	10	.017	Squally a. ● <sup>0</sup> showers.
25	.90	.98	49.8	47.7	47.7	52.3	0.4	0.0	.337	.304	98	92	WbyS 1	WbyS 1	10	9	—	Fine and mild.
26	.92	.84	47.4	48.0	45.5	51.2	2.4	0.0	.270	.335	83	100	SWbyS 2	SW 3	10	10	.970	Sunny a. ● <sup>2</sup> p.
27	.93	29.98	49.0	50.0	48.0	51.2	0.0	0.3	.348	.353	100	98	WSW 2	WSW 3	10	10	.023	● <sup>0</sup> ~~~~~ <sup>0</sup> (mist).
28	29.99	30.01	49.3	47.2	44.2	52.0	1.1	0.0	.323	.325	92	100	SWbyW 2	WSW 2	10	0	.008	Fine and sunny.
29	30.03	30.00	48.6	45.8	44.9	52.3	1.8	1.3	.299	.279	88	91	WbyS 2	Calm 0	10	10	—	—
30	29.91	29.71	44.7	44.3	41.6	47.3	1.9	1.2	.253	.263	86	91	SW 1	SSW 1	10	10	.165	Fine and sunny.
Mean	29.695	29.698	46.9	46.4	43.2	50.9	2.0	1.8	.279	.280	86.5	87.8	2.1	2.3	9.2	8.4	3.270	—



## HILLINGTON—NOVEMBER 1899.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.							in.	in.	%	%	SSW 2	SSW 2	6	0	ins.	— <sup>0</sup> . Very fine and sunny. [4p.
2	29.87	29.60	45.2	46.9	37.0	55.7	0.8	2.2	283	270	94	84	S 2	S 3	10	10	22	☉ <sup>0</sup> early a. Overcast. ☉ <sup>0</sup> 3p. ☉ <sup>0</sup>
3	45	35	57.6	57.2	46.4	60.5	1.8	1.2	421	431	88	92	SSW 4	SSW 1	5	10	68	☉ <sup>0</sup> Cloudy. ☉ <sup>0</sup> (gale). ☉ <sup>0</sup> 9p. ☉ <sup>0</sup>
4	44	37	53.5	46.5	46.0	58.4	2.8	0.4	334	306	81	97	SW 1	SW 3	9	10	16	☉ <sup>0</sup> early a. Dull day. Fine sunset.
5	51	47	48.7	60.3	44.4	60.5	0.1	1.5	342	473	99	91	SW 2	S 0.5	10	10	44	☉ <sup>0</sup> early a. and ga. Dull day. ☉ <sup>0</sup> 8p.
6	58	73	53.9	51.6	51.5	61.5	1.1	0.3	384	374	92	98	S 1	NW 0.5	10	0	03	☉ <sup>0</sup> till ga. Dull day. Fine red sun.
7	68	89	48.2	42.8	47.0	53.5	0.2	0.1	333	273	99	99	S 2	S 4	7	10	23	☉ <sup>0</sup> ☉ <sup>0</sup> Cloudy day. Much cir. [set.
8	92	63	45.9	50.1	37.9	53.1	0.4	2.4	299	302	97	83	SW 3	SW 6	8	6	—	☉ <sup>0</sup> early a. ☉ <sup>0</sup> Cloudy, then fine. ☉ <sup>0</sup>
9	22	25	48.3	46.9	46.8	53.6	1.7	2.1	296	272	88	84	WNW 5	SW 0.5	1	10	25	☉ <sup>0</sup> Very fine. ☉ <sup>0</sup> ☉ <sup>0</sup> [(gale) p.
10	65	80	46.3	43.8	40.9	51.5	2.6	1.2	255	259	81	90	SW 2	SW 7	10	0	—	☉ <sup>0</sup> ☉ <sup>0</sup> early a. Overcast, then fine. ☉ <sup>0</sup> (gale).
11	31	60	52.8	47.7	43.2	59.7	0.2	3.9	394	242	99	73	SW 6	WNW 5	0	0	01	☉ <sup>0</sup> Very fine. Bitter ☉ <sup>0</sup> . ☉ <sup>0</sup> shower 1p.
12	29.84	29.97	46.5	41.8	40.8	55.1	1.9	2.2	272	218	86	83	NW 3	NW 0.5	3	10	—	☉ <sup>0</sup> Fine a., overcast p. ☉ <sup>0</sup> ☉ <sup>0</sup>
13	30.08	30.23	45.0	44.5	39.0	50.4	2.4	0.8	245	275	82	94	SW 1	SW 0.5	10	10	—	☉ <sup>0</sup> ☉ <sup>0</sup> Cloudy and milder. ☉ <sup>0</sup> Magnificent sunset. ☉ <sup>0</sup>
14	24	26	44.8	42.0	40.1	53.0	2.9	0.3	234	260	79	98	SW 2	SW 0.5	10	4	—	☉ <sup>0</sup> ☉ <sup>0</sup> 2. ☉ <sup>0</sup> Dull, with ☉ <sup>0</sup> . ☉ <sup>0</sup> Fine sunset. ☉ <sup>0</sup>
15	10	17	45.6	39.9	37.0	49.4	0.8	0.2	287	241	94	98	E 0.5	E 0.5	10	1	01	☉ <sup>0</sup> ☉ <sup>0</sup> Dull, with ☉ <sup>0</sup> . ☉ <sup>0</sup> Much cir. ☉ <sup>0</sup> 2. ☉ <sup>0</sup> 6p.
16	45	56	41.3	37.8	35.9	50.1	0.1	0.2	258	223	99	98	E 0.5	E 0.5	8	10	01	☉ <sup>0</sup> ☉ <sup>0</sup> Dull day. ☉ <sup>0</sup> Sky covered with cir.-c.
17	58	55	44.5	34.4	34.3	47.6	2.0	0.5	249	188	85	94	NNW 0.5	NNW 0.5	10	10	01	☉ <sup>0</sup> ☉ <sup>0</sup> Very fine. ☉ <sup>0</sup> a. and p. ☉ <sup>0</sup> [all day.
18	61	59	42.3	30.7	30.7	47.2	1.0	0.1	248	169	92	99	W 0.5	SW 0.5	10	10	11	☉ <sup>0</sup> ☉ <sup>0</sup> Cold, with ☉ <sup>0</sup> (mist).
19	55	46	37.8	41.1	28.8	42.3	0.2	0.0	223	258	98	100	SW 0.5	NE 1	10	9	02	☉ <sup>0</sup> ☉ <sup>0</sup> Very damp, with ☉ <sup>0</sup> (mist).
20	41	19	31.4	34.9	30.4	42.3	0.4	0.2	166	199	95	98	NE 0.5	SW 0.5	10	9	—	☉ <sup>0</sup> ☉ <sup>0</sup> till ga., then fair.
21	11	28	44.1	43.4	32.3	49.4	0.3	2.5	281	228	97	81	W 1	WSW 1	10	10	—	☉ <sup>0</sup> ☉ <sup>0</sup> Chilly and damp all day.
22	30	24	36.8	41.0	34.2	45.2	1.0	0.3	199	250	91	98	WSW 2	SW 3	10	0	—	☉ <sup>0</sup> ☉ <sup>0</sup> Dull all day.
23	26	30	45.9	46.5	40.1	50.1	1.1	1.8	284	274	91	87	SW 3	SW 2	10	9	—	☉ <sup>0</sup> ☉ <sup>0</sup> Overcast day.
24	22	15	45.3	44.4	44.1	49.4	1.6	1.6	265	256	88	87	W 1	W 0.5	10	10	—	☉ <sup>0</sup> ☉ <sup>0</sup> Overcast day.
25	08	05	47.1	46.1	39.1	52.4	2.2	1.4	272	278	84	89	SW 0.5	SW 3	10	10	—	☉ <sup>0</sup> ☉ <sup>0</sup> Dull all day. ☉ <sup>0</sup> (mist) p.
26	18	28	49.7	44.8	44.8	52.4	2.1	0.4	304	287	85	97	SW 1	SW 3	10	10	04	☉ <sup>0</sup> ☉ <sup>0</sup> Dull and mild. ☉ <sup>0</sup> Fine sunset.
27	28	19	45.1	45.0	43.8	51.5	0.6	2.2	286	250	95	83	W 2	SW 1	10	0	—	☉ <sup>0</sup> ☉ <sup>0</sup> Dull all day. ☉ <sup>0</sup> Clear evening.
28	19	26	48.8	47.2	44.1	49.7	1.0	0.5	319	312	92	96	SW 0.5	SW 1	9	0	—	☉ <sup>0</sup> ☉ <sup>0</sup> Beautiful day. ☉ <sup>0</sup> Clear evening.
29	31	31	47.7	43.3	41.0	51.2	0.1	0.6	262	267	99	95	SW 0.5	SW 1	9	10	—	☉ <sup>0</sup> ☉ <sup>0</sup> Lovely forenoon, overcast p.
30	34	35	40.3	45.0	36.1	51.5	0.3	1.5	243	264	98	88	SW 0.5	SW 2	0	10	—	☉ <sup>0</sup> ☉ <sup>0</sup> Cloudless greater part of day.
30	30.26	30.12	35.9	45.2	34.9	46.9	0.4	0.6	203	287	96	95	SW 0.5	SW 2	0	10	—	
Mean	30.034	30.036	45.3	44.4	39.7	51.8	1.1	1.1	281	273	91.5	91.6	1.6	1.8	8.2	6.9	2.23	

## CHURCHSTOKE.—NOVEMBER 1899.

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

1	29.29	28.95	48.9	47.9	42.0	53.0	2.8	2.1	277	283	80	85	SE 2	SE 4	6	2	011	Cold wind.
2	28.75	28.78	54.7	50.1	47.9	60.9	1.5	2.1	384	308	90	86	SSE 1	SW 4	9	5	260	Cloudy, with 2.
3	75	83	52.3	45.7	45.1	56.1	3.4	1.8	304	266	78	87	SW 6	SW 2	10	4	582	2 Squally.
4	28.94	28.79	48.1	58.9	42.0	60.3	0.6	1.0	321	465	95	93	SE 2	SSE 4	10	10	350	Cloudy and cool. Hills clear.
5	29.07	29.22	51.7	46.0	44.0	60.0	2.7	1.2	315	283	82	91	SW 2	SW 1	10	10	—	Cool breeze.
6	24	29.39	46.8	44.2	42.4	54.9	1.5	0.8	284	272	89	94	SW 1	SW 2	9	0	—	Cloudy and squally, with .
7	29.27	28.87	51.9	51.9	43.4	53.3	2.9	0.9	312	362	80	94	S 3	SW 4	10	10	422	Rough .
8	28.69	28.87	48.9	46.7	44.0	54.0	3.1	1.8	272	276	79	87	WSW 5	SW 3	4	6	259	Breezy and fine. at night.
9	29.27	29.18	50.1	47.4	43.9	53.0	3.2	1.6	283	288	78	88	W 2	SE 2	8	10	190	Rough night, with .
10	28.73	28.71	53.8	44.3	41.9	57.0	1.0	3.5	385	218	93	75	SW 2	WSW 4	8	0	052	Stormy day.
11	29.24	29.61	50.9	42.8	40.0	53.3	1.9	2.7	323	218	87	80	SW 5	W 2	8	8	—	Cloudy and cool.
12	74	76	47.5	49.8	42.5	51.6	2.6	2.0	267	307	81	86	WNW 2	WNW 1	10	8	—	
13	74	60	50.3	46.0	45.4	54.1	2.1	1.3	311	280	86	90	SSW 2	SW 1	9	8	—	
14	29.50	29.67	47.9	50.9	45.2	55.2	1.1	0.7	306	355	92	95	SW 2	SE 1	10	10	010	Dull and cloudy.
15	30.00	30.05	48.9	46.6	46.2	52.1	0.9	0.7	323	301	93	95	E 2	E 2	10	10	—	Cold and damp.
16	06	08	43.8	40.6	34.8	47.9	1.4	1.5	254	222	88	87	SE 1	SE 1	10	9	—	Cloudy and cool.
17	10	30.09	31.7	31.4	28.8	45.5	0.8	0.5	159	164	89	92	SE 1	W 1	4	0	—	Bright and sharp.
18	30.06	29.98	27.3	29.7	24.0	36.2	0.4	0.8	133	143	91	87	SE 1	SE 1	9	10	—	2 (mist).
19	29.88	29.75	36.4	35.5	25.2	43.0	1.1	0.6	193	196	90	94	Calms	W 1	10	1	—	Cloudy, with .
20	72	83	46.3	44.3	33.1	50.1	0.4	0.6	304	277	97	95	SW 1	E 1	10	10	030	Cloudy and damp.
21	84	82	43.3	45.8	41.4	47.9	1.4	1.1	249	283	88	91	SE 1	SW 1	10	8	—	Cloudy day.
22	86	85	45.0	44.8	44.2	47.6	1.9	0.9	256	275	86	93	Calms	NW 1	10	10	010	Cloudy and mild.
23	78	73	45.8	48.8	43.9	49.3	0.9	1.9	287	297	93	86	NW 1	WSW 1	9	8	—	Cloudy and mild.
24	65	65	49.9	48.7	46.4	55.3	3.2	1.8	280	298	78	87	W 2	W 1	10	9	—	Cloudy and mild.
25	75	82	50.7	46.4	45.8	53.2	1.7	1.5	325	279	89	89	SW 1	ESE 1	9	10	—	
26	80	73	47.9	50.2	45.0	53.5	2.2	2.8	280	294	84	80	SSW 3	SW 2	7	10	—	
27	77	84	51.9	48.5	47.5	55.3	1.7	1.6	342	301	89	88	WSW 2	W 3	6	8	—	Breezy and bright.
28	86	87	49.9	45.0	42.5	56.9	2.1	1.1	306	273	86	91	W 2	W 1	8	4	—	Cool breeze.
29	87	84	46.2	45.6	44.4	50.1	1.3	2.5	283	249	90	82	W 1	Calms	0	9	10	Cloudy and mild.
30	29.74	29.54	44.8	47.1	42.9	48.1	3.9	2.3	215	270	72	83	SSW 3	SW 2	10	8	—	Cloudy and cool.
Mean	29.532	29.539	47.1	45.7	41.5	52.3	1.8	1.5	284	277	86.4	88.4	2.0	1.8	8.7	7.2	2.391	

## CAMBRIDGE.—NOVEMBER 1899.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 9½ inches.  
Long. 0° 6' E. Lat. 52° 13' N. Gravity Correction, +.019 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			
1	ins.	ins.	46.0	47.0	36.4	58.0	0.4	2.4	301	266	97	83	SW 1	SE 2	0	0	ins.	—
2	29.95	29.60	46.0	47.0	36.4	58.0	0.4	2.4	301	266	97	83	S 3	S 4	10	10	183	—
3	48	38	58.6	58.0	45.1	61.8	1.4	2.6	448	404	91	83	SSW 4	SW 1	3	10	807	—
4	47	42	54.7	48.4	47.4	60.4	3.3	0.5	338	328	78	96	Calms	SW 6	10	10	204	—
5	54	49	50.4	62.0	45.2	63.2	0.1	2.0	364	487	99	88	SW 2	SW 2	10	10	750	—
6	53	47	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
7	54	49	50.4	62.0	45.2	63.2	0.1	0.4	350	274	99	97	Calms	SSW 5	10	10	307	—
8	56	51	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
9	57	52	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
10	58	53	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
11	59	54	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
12	60	55	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
13	61	56	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
14	62	57	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
15	63	58	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
16	64	59	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
17	65	60	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
18	66	61	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
19	67	62	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
20	68	63	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
21	69	64	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
22	70	65	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
23	71	66	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
24	72	67	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
25	73	68	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
26	74	69	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
27	75	70	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
28	76	71	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
29	77	72	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
30	78	73	54.6	51.3	50.4	62.9	0.7	0.2	407	371	95	98	Calms	SW 1	10	0	—	—
Mean	30.086	30.084	46.0	45.8	39.5	53.8	1.2	1.5	289	279	91.5	89.6	1.6	2.2	6.9	6.0	2.657	—



WOOLACOMBE.—NOVEMBER 1899.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 12' W. Lat. 51° 10' N. Gravity Correction, + '016 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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° 82	29° 40	50° 2	55° 2	45° 2	56° 2	3° 7	2° 6	in.	in.	%	%	SE	2	SE	5	5	10	ins.	Ground sea all day. Sunny.
2	33	37	57° 4	54° 4	54° 2	61° 6	1° 8	3° 0	342	362	75	82	S	4	S	3	10	9	08	Heavy ground sea a.
3	34	41	55° 8	50° 2	49° 4	57° 6	4° 1	1° 2	326	331	71	92	S	5	SW	2	9	10	88	(force 8) noon.
4	46	38	59° 4	60° 2	49° 2	62° 4	1° 1	0° 9	470	491	93	94	S	4	S	4	10	10	14	Ground sea all day.
5	63	73	55° 6	50° 2	49° 6	60° 2	4° 8	3° 2	313	324	71	78	SW	4	SE	2	10	10	—	Ground sea all day.
6	80	93	53° 8	49° 8	48° 8	56° 8	4° 6	1° 4	296	282	71	90	SW	3	SE	2	4	1	—	Very fine.
7	83	46	54° 6	54° 8	49° 6	55° 6	3° 0	0° 8	344	406	80	94	SE	3	S	5	10	10	73	< 10.15p. (gale) from sp.
8	34	51	52° 8	54° 4	49° 0	57° 4	3° 2	2° 4	326	357	79	83	SW	5	W	6	7	6	24	Very rough sea. < 8p. (gale).
9	93	04	53° 8	51° 8	50° 4	55° 6	3° 0	1° 0	334	358	80	93	W	2	SE	3	7	10	79	< 8.30a. Dull, with (gale).
10	29° 39	29° 94	56° 0	52° 0	50° 6	57° 4	1° 2	5° 1	413	264	92	68	SW	5	W	5	9	3	05	—
11	30° 04	30° 21	54° 0	51° 6	51° 2	56° 2	1° 2	3° 8	382	287	92	75	SW	5	W	4	4	5	03	—
12	32	33	54° 0	54° 6	51° 2	55° 2	2° 2	1° 6	356	379	85	89	W	3	SW	2	8	9	—	—
13	30	14	51° 0	49° 6	48° 0	56° 6	1° 0	1° 2	348	324	93	92	S	2	E	3	8	7	—	—
14	00	17	53° 8	51° 0	49° 2	56° 2	1° 6	1° 2	369	343	89	92	SE	3	SE	2	9	2	—	—
15	40	49	55° 2	45° 6	45° 6	50° 0	2° 6	1° 3	362	275	82	90	Calm	0	E	1	1	0	—	—
16	51	54	51° 0	42° 4	42° 4	53° 6	2° 0	1° 5	322	238	86	88	E	2	Calm	0	2	0	—	—
17	58	57	45° 4	42° 2	41° 6	52° 2	2° 1	1° 1	256	245	84	91	NE	2	SE	2	1	0	—	—
18	55	47	43° 6	42° 2	40° 2	50° 4	1° 7	0° 7	246	253	87	95	E	2	E	2	1	3	—	—
19	40	32	44° 0	45° 6	38° 0	51° 0	1° 5	1° 1	254	280	88	92	E	1	E	1	0	1	—	—
20	26	32	51° 6	50° 4	45° 0	54° 6	1° 0	1° 0	356	339	93	93	NW	2	NE	1	9	10	—	—
21	37	39	47° 8	51° 4	45° 8	51° 0	0° 9	1° 8	309	333	93	88	E	2	NW	1	10	9	—	—
22	43	41	51° 0	47° 8	47° 8	52° 2	2° 4	0° 9	312	309	83	93	NW	1	SE	1	10	9	—	—
23	34	32	52° 8	53° 0	46° 4	53° 8	2° 2	2° 6	340	333	85	82	SW	3	SW	3	9	9	—	—
24	26	23	53° 8	53° 2	51° 0	54° 2	3° 0	1° 4	334	366	80	90	SW	4	SW	3	10	10	06	—
25	32	37	50° 0	50° 0	48° 6	52° 2	2° 2	1° 4	305	324	85	90	SE	2	E	1	9	10	—	—
26	34	33	46° 6	46° 8	42° 6	52° 2	2° 1	1° 3	268	289	85	90	E	1	SE	2	1	1	02	—
27	38	40	53° 0	52° 4	45° 8	54° 2	1° 0	1° 0	374	366	93	93	W	2	W	2	8	1	05	—
28	44	43	52° 8	53° 0	51° 2	54° 8	1° 8	5° 0	351	277	88	69	SW	1	SW	2	9	10	—	—
29	43	37	49° 0	45° 4	45° 4	53° 2	3° 7	1° 3	260	273	75	90	SE	1	SE	1	7	8	—	—
30	30° 27	30° 14	48° 2	49° 6	43° 6	50° 8	1° 9	2° 4	290	295	86	83	E	2	SE	2	10	10	—	—
Mean	30° 09	30° 08	51° 9	50° 4	47° 2	55° 2	2° 3	1° 8	330	322	84° 4	87° 3	2° 6		2° 4	6° 9	6° 8	3° 17		Ground sea all day. Dull day.

SOUTHAMPTON.—NOVEMBER 1899.

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

1	29° 54'	29° 58'	53° 1'	56° 0'	39° 3'	57° 4'	4° 0'	3° 3'	300	358	74	79	S	3	S	4° 5'	1	10	° 050	☉ <sup>2</sup> a. Beautiful day.
2	'50	'42	59° 4'	57° 0'	55° 6'	61° 0'	1° 2	0° 8'	468	440	93	94	S	4° 5'	SW	5° 5'	10	10	° 293	☉ <sup>2</sup> p.
3	'54	'43	57° 7'	54° 0'	52° 4'	60° 0'	4° 1	0° 9'	361	391	76	94	SSW	6°	SW	4	9	10	1° 750	☉ (force 8). ☉ from 3p.
4	'57	'55	59° 2'	60° 1'	50° 5'	61° 3'	0° 3	0° 8'	494	493	93	95	SSW	5° 5'	SW	6° 5'	10	10	° 583	☉ most of day. ☉ (gale) p.
5	'66	'76	55° 1'	50° 9'	50° 6'	61° 6'	0° 2	0° 4'	429	363	98	98	SW	1	NNW	0° 5'	10	10	1° 345	☉ most of day.
6	'78	'99	49° 5'	45° 5'	45° 1'	55° 2'	0° 4	0° 6'	343	292	97	96	NNW	1	W	1	10	0	—	Beautiful day. ☉ <sup>2</sup> p.
7	'99	'67	52° 3'	54° 4'	40° 4'	55° 7'	2° 9	1° 5'	317	381	80	90	SW	3° 5'	SSW	6	10	10	° 537	☉ in evening. [☉ <sup>2</sup> p.
8	'39	'47	51° 2'	49° 4'	48° 9'	58° 4'	3° 1	2° 6'	399	290	80	83	SW	3° 5'	WSW	5° 5'	1	1	° 035	☉ (gale) ☉ <sup>2</sup> n. Beautiful a.
9	'85	'79	49° 4'	53° 8'	46° 7'	58° 5'	1° 7	2° 7'	310	340	89	82	WSW	1	S	4	0	10	° 643	Beautiful a. ☉ from 10p.
10	29° 43'	29° 87'	57° 1'	49° 0'	48° 7'	59° 6'	1° 0	3° 3'	436	270	93	77	SW	5° 5'	W	3	10	5	° 072	Squally, with ☉ showers.
11	30° 08'	30° 18'	52° 8'	47° 6'	44° 1'	58° 6'	3° 9	4° 5'	300	230	75	70	W	4° 5'	NW	2° 5'	1	10	—	Fine and dry. Large ☉ 9p.
12	'31	'35	46° 9'	48° 3'	42° 0'	53° 9'	2° 6	1° 3'	261	306	82	91	SW	1° 5'	W	0° 5'	5	0	—	☉ a. and p. Beautiful day
13	'34	'22	41° 2'	50° 2'	40° 1'	56° 8'	0° 4	1° 5'	251	325	97	90	Calm	0	SSW	3	10	3	—	☉ <sup>2</sup> a. ☉ p. [throughout.
14	'13	'23	50° 9'	49° 4'	48° 2'	53° 3'	2° 7	1° 8'	305	307	82	88	S	3	SSE	2	10	10	—	Fine and dry.
15	'45	'52	42° 5'	43° 7'	39° 6'	52° 4'	0° 5	0° 8'	261	267	96	93	SE	1° 5'	NE	1	0	10	—	☉ <sup>2</sup> a. and p. Beautiful day.
16	'55	'55	47° 2'	40° 6'	40° 2'	50° 4'	3° 1	1° 1'	253	230	79	91	E	3	ENE	1	9	0	—	Beautiful day. ☉ p.
17	'62	'60	38° 1'	42° 6'	36° 3'	52° 2'	0° 6	1° 5'	217	240	95	88	NE	1	SE	1	0	10	—	☉ <sup>2</sup> a. Beautiful day. ☉ <sup>2</sup> p.
18	'58	'47	38° 1'	45° 3'	35° 9'	48° 6'	0° 9	1° 8'	211	245	92	86	SE	1	E	1	0	10	—	☉ <sup>2</sup> a. Beautiful a.
19	'41	'30	32° 2'	35° 8'	31° 3'	46° 7'	0° 3	0° 6'	177	199	97	95	ENE	0° 5'	Calm	0	3	0	—	☉ <sup>2</sup> early a. Beautiful day.
20	'22	'30	41° 0'	46° 9'	34° 5'	50° 6'	0° 9	0° 9'	237	299	93	94	NW	1	NE	1° 5'	10	10	—	☉ <sup>2</sup> a. Overcast all day.
21	'39	'36	43° 4'	45° 9'	45° 2'	48° 4'	1° 3	0° 9'	253	288	90	94	NW	1	NW	1	10	10	—	☉ <sup>2</sup> a. Overcast all day.
22	'40	'41	46° 9'	47° 5'	42° 7'	50° 9'	1° 2	1° 1'	293	301	92	92	NW	0° 5'	W	1	10	10	—	☉ <sup>2</sup> a. Dull day. ☉ n.
23	'37	'32	46° 4'	47° 5'	45° 3'	53° 2'	1° 1	1° 4'	289	294	92	90	W	0° 5'	WSW	0° 5'	10	5	—	Overcast all day.
24	'25	'23	48° 9'	49° 0'	44° 9'	52° 1'	3° 5	3° 1'	265	274	77	78	SW	1° 5'	W	1	10	10	—	Dull all day.
25	'30	'37	48° 5'	45° 6'	47° 2'	53° 6'	1° 8	1° 6'	297	302	87	89	W	1	W	0° 5'	10	10	—	☉ <sup>2</sup> a. Beautiful day.
26	'38	'34	43° 9'	44° 1'	47° 3'	55° 6'	0° 7	1° 5'	270	256	95	88	Calm	0	WSW	1	10	1	—	Dull and mild.
27	'35	'40	49° 4'	51° 8'	42° 2'	53° 9'	1° 5	1° 9'	315	336	90	87	W	0° 5'	W	1	10	10	—	Dull and mild. ☉ n.
28	'43	'43	50° 8'	45° 2'	44° 1'	55° 0'	2° 0	1° 0'	321	278	87	93	WNW	0° 5'	Calm	0	10	0	—	Dull and dry. ☉ <sup>2</sup> a. and p.
29	'43	'39	45° 6'	41° 2'	41° 2'	51° 6'	0° 8	1° 0'	282	237	94	93	Calm	0	N	0° 5'	10	0	—	☉ <sup>2</sup> a. Overcast all day.
30	30° 29'	30° 16'	42° 0'	47° 0'	35° 2'	49° 4'	1° 0	1° 9'	245	277	92	87	NE	1	SW	0° 5'	10	10	—	
Mean	30° 13'	30° 12'	48° 0'	48° 2'	43° 3'	54° 5'	1° 6	1° 6	302	304	88° 7	88° 8		1° 9		2° 0	7° 3	6° 8	5° 308	

PLYMOUTH.—NOVEMBER 1899.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet 6 inches. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +.015 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	53.6	55.4	45.6	56.0	2.0	0.2	in.	in.	%	%	S	SSE	6	10	ins.	Fine day.
2	29.78	29.42	53.6	55.4	45.6	56.0	2.0	0.2	355	449	86	97	S	SSE	6	10	.035	Overcast, with ☉ showers.
3	'33	'35	57.6	55.2	55.2	57.9	0.1	0.7	473	416	100	96	SSE	SW	10	7	.090	Squally ☙ (gale). ☉ <sup>2</sup> from 5p.
4	'37	'37	56.3	56.4	50.7	57.0	0.7	0.0	433	455	95	100	S	E	10	10	.920	Overcast, with ☉ all day.
5	'42	'40	57.8	57.6	51.0	57.8	0.1	0.7	476	454	99	95	SSW	SSW	10	10	.640	Overcast, with ☉ all day.
6	'59	'63	55.4	50.3	49.7	57.6	2.4	1.7	371	321	85	88	WSW	NE	10	10	—	Cloudy a. Bright and sunny p.
7	'76	'91	47.8	50.8	44.4	55.1	0.7	1.7	313	328	94	88	SSW	SSW	10	10	.350	Squally ☙ (gale) ☉ showers.
8	'85	'47	54.9	54.9	43.6	57.2	3.3	5.4	342	292	79	68	SSW	SSW	8	5	.120	☉ showers. Sunny intervals.
9	'37	'53	53.6	51.8	48.6	56.2	4.4	2.6	297	318	72	82	WSW	WSW	8	3	1.305	Sunny intervals a. Overcast p.
10	'81	'64	51.6	52.6	48.2	55.2	1.8	0.3	335	389	88	98	W	SE	8	10	.050	☉ showers a. Fine p.
11	29.40	29.90	55.5	49.4	49.4	56.8	2.3	4.3	376	253	85	72	W	W	4	0	—	Fine and bright.
12	30.07	30.19	53.2	49.7	48.0	56.1	2.6	2.8	335	288	83	81	W	W	10	6	—	Overcast all day.
13	'29	'31	50.5	50.4	44.9	56.0	1.0	0.5	342	354	93	96	W	W	7	8	—	Fine and sunny.
14	'27	'11	48.5	53.6	44.4	55.2	0.0	2.8	342	335	100	81	E	S	10	3	—	Cloudy day.
15	'00	'11	52.7	52.5	52.2	55.1	0.6	1.5	380	354	95	89	SSE	SW	10	3	—	Very fine and sunny.
16	'33	'40	54.3	48.8	44.6	54.7	1.6	1.4	377	310	89	90	E	E	0	0	—	Fine day.
17	'42	'44	52.6	47.9	47.6	53.7	2.8	2.0	323	281	81	86	ESE	E	8	0	—	Fine and sunny all day.
18	'49	'52	49.6	44.8	44.8	52.1	1.2	0.9	324	276	92	93	E	E	0	0	—	Fine and sunny.
19	'50	'45	46.7	41.6	40.9	48.8	1.3	0.2	289	259	91	98	E	E	8	9	—	Fine and sunny.
20	'34	'29	34.7	38.4	31.8	47.1	0.4	4.7	194	150	96	64	N	E	0	0	—	Dull, overcast and cold.
21	'22	'24	44.3	49.4	35.1	49.9	0.6	0.6	277	338	96	96	N	N	10	9	—	Dull day.
22	'32	'34	49.0	49.8	47.6	52.1	0.4	0.0	338	358	97	100	E	N	10	10	—	Dull and gloomy all day.
23	'37	'38	47.9	48.6	46.6	50.8	0.6	0.5	318	328	96	96	N	N	10	10	—	Overcast all day.
24	'32	'30	48.1	49.3	46.9	51.9	0.2	0.2	331	344	98	98	N	W	10	10	—	Overcast and gloomy all day.
25	'18	'18	49.3	51.4	46.8	52.2	1.5	1.9	313	331	90	88	N	ENE	10	0	—	☉ showers. Sunny intervals.
26	'26	'32	47.7	43.4	42.6	54.3	0.6	0.0	314	281	95	100	E	ENE	10	0	—	Fine and sunny all day.
27	'31	'32	44.6	40.4	39.2	53.1	0.7	0.0	279	251	95	100	ENE	ESE	7	0	—	Overcast and damp.
28	'34	'39	48.9	49.8	37.8	53.3	0.0	0.0	347	358	100	100	N	W	10	4	—	Overcast and gloomy.
29	'41	'40	49.8	48.8	48.6	54.2	0.0	1.0	358	321	100	93	W	W	10	5	—	Dull and overcast.
30	'39	'33	43.6	46.4	41.7	51.6	0.7	0.8	268	296	94	94	NE	ENE	7	10	—	Overcast all day.
30	30.21	30.13	48.6	49.7	45.6	51.2	0.5	0.9	328	336	96	94	E	WSW	10	10	—	Overcast all day.
Mean	30.057	30.058	50.3	49.7	45.5	54.0	1.2	1.3	338	328	92.0	90.7	—	—	7.9	6.1	3.510	

ARMAGH.—NOVEMBER 1899.

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

1	29°38	29°03	50°0	50°7	49°0	53°4	0°4	2°2	*350	*315	97	86	S	5	SSE	5	10	10	'022	Overcast all day.
2	28°95	28°86	52°8	48°1	48°0	55°5	1°9	2°1	*348	*284	87	85	S	4	S	4	10	1	'402	
3	28°58	'98	47°9	44°3	41°0	51°0	1°1	0°6	*306	*277	93	96	SSE	4	SSW	3	10	2	'495	
4	29°10	28°76	50°9	54°9	39°5	60°8	3°2	2°3	*293	*367	79	85	SSE	3	SSW	5	10	10	'220	
5	'21	29°39	48°4	43°0	43°0	55°0	0°0	1°6	*259	*256	86	88	SSW	5	S	3	8	4	'212	
6	'39	29°58	45°5	44°3	42°3	51°8	2°0	1°1	'384	*334	93	90	SSE	6	SSW	3	10	9	'178	
7	29°18	28°92	53°7	50°7	41°0	56°0	1°0	1°4	'301	*258	96	90	SSW	5	WSW	2	10	4	'034	
8	28°67	29°15	46°3	43°7	43°0	51°0	0°6	1°2	'277	*271	85	84	SW	1	ESE	3	9	10	'510	
9	29°58	'37	47°4	47°3	41°0	51°9	2°1	2°3	*207	*373	94	73	SSW	4	SW	3	10	7	'215	
10	28°86	'43	52°7	43°7	41°2	55°0	0°9	3°8	*235	*238	80	90	WSW	3	SW	3	9	10	'103	
11	29°57	'90	44°5	41°8	38°2	46°1	2°7	1°3	'337	*349	94	91	SSW	3	SSW	4	10	10	—	
12	30°00	'93	50°0	51°9	41°0	53°0	0°9	1°4	'335	*335	86	89	S	4	S	4	9	10	'070	
13	29°91	29°75	50°3	51°2	48°7	54°8	2°0	1°6	'348	*288	85	94	S	2	N	3	10	10	'160	
14	29°67	30°06	53°5	45°6	44°5	57°1	2°2	0°8	'290	*348	89	93	ENE	3	SE	2	10	10	—	
15	30°35	'38	47°6	50°9	44°9	51°0	1°6	1°1	'321	*287	90	88	ESE	1	S	1	10	10	—	
16	'39	'42	49°7	47°5	47°2	51°4	1°4	1°7	'271	*270	82	86	S	1	NE	1	10	10	—	
17	'48	'45	47°9	46°5	46°4	49°2	2°6	2°0	'249	*255	78	92	S	2	SW	1	7	0	—	
18	'36	'27	47°0	43°0	43°0	51°0	3°2	1°0	'250	*297	100	92	SSW	3	SW	2	10	10	—	
19	'19	'08	40°3	47°1	38°9	47°2	0°0	1°1	'309	*281	93	97	W	0°5	W	1	10	9	—	
20	'13	'18	48°0	44°2	44°0	51°0	1°0	0°4	'293	*304	99	96	SW	2	SW	1	1	10	'007	
21	'18	'20	44°8	46°7	40°3	49°3	0°2	0°6	'292	*280	93	91	SW	2	SSW	2	10	10	—	
22	'24	'17	46°6	46°0	45°1	49°0	1°1	1°3	'318	*318	91	95	4	SW	3	8	10	10	—	
23	30°05	30°00	49°2	48°1	44°5	53°8	1°3	1°5	'307	*326	84	90	SSW	4	SW	3	10	10	—	
24	29°89	29°93	50°5	50°3	47°2	53°4	2°4	1°1	'329	*335	90	93	SSW	2	SSW	3	10	10	'017	
25	30°04	30°06	50°3	50°2	47°3	54°6	1°4	1°1	'310	*307	89	92	SSW	5	SW	3	10	10	—	
26	29°95	29°94	49°2	51°8	49°0	53°5	1°3	1°7	'330	*341	91	88	SW	3	SSW	3	10	10	—	
27	30°08	30°09	50°2	51°8	49°0	53°5	1°0	1°0	'324	*333	93	93	SSW	4	SSW	2	10	10	—	
28	'10	'13	49°2	49°9	48°0	53°8	1°0	1°0	'280	*267	82	81	SSW	2	S	3	10	10	—	
29	30°16	30°08	48°5	47°7	47°5	50°8	2°5	2°7	'229	*334	77	97	SSW	3	SSW	5	7	10	'110	
30	29°93	29°66	45°0	48°7	41°0	50°0	3°2	0°4												
Mean	29°752	29°771	48°6	47°8	44°0	52°5	1°7	1°5	*302	*298	88°2	89°4		3°2	2°9	8°9	8°2	2°778		



## MARKREE CASTLE.—NOVEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.			
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.		
2	28.96	28.96	51.8	51.0	49.3	54.4	3.8	0.8	.290	.353	75	94	SE	4	SE	4	10	10	☉ showers p.
3	28.97	28.89	50.0	45.7	45.1	55.3	1.0	1.4	.334	.275	93	90	S	2	S	3	9	10	1.00
4	28.55	29.07	46.5	41.0	37.5	47.5	0.7	0.8	.300	.239	95	94	S	1	SSW	1	10	7	.25
5	29.06	28.78	43.7	51.8	33.2	60.8	1.5	4.1	.251	.284	88	74	SE	3	S	6	10	1	.36
6	.18	29.35	45.6	44.0	41.6	52.1	3.2	2.5	.236	.234	78	81	SW	5	S	5	8	2	.24
7	.43	29.55	45.3	44.0	40.9	49.9	1.2	1.0	.274	.265	91	92	SSW	4	SSE	4	10	3	.31
8	29.08	28.89	53.9	48.0	43.8	57.1	0.9	1.0	.389	.309	94	93	SSW	5	S	4	10	8	.75
9	28.71	29.23	47.8	47.8	42.9	52.5	1.1	2.3	.306	.277	92	84	S	2	W	3	9	4	.21
10	29.60	.26	46.4	45.0	42.0	49.7	1.6	0.2	.278	.294	89	98	S	1	E	5	7	10	.35
11	28.91	.52	52.5	45.5	42.1	53.4	0.8	4.2	.373	.216	94	71	SSW	1	SW	4	7	9	.26
12	29.66	.99	44.6	45.8	41.6	47.5	4.6	4.9	.200	.206	68	67	SW	5	SW	3	9	7	.01
13	30.01	.97	50.8	53.7	41.9	54.9	1.1	2.5	.344	.343	92	83	S	2	S	1	10	10	—
14	29.91	29.70	50.2	51.6	49.2	55.4	2.3	2.6	.305	.315	84	82	S	3	SSE	5	9	9	.36
15	29.70	30.19	44.7	46.0	42.2	52.9	0.2	4.8	.291	.211	98	68	N	5	N	5	10	9	.13
16	30.36	.39	48.0	50.0	45.7	52.0	1.4	1.4	.299	.324	90	90	E	1	SE	0.5	9	10	—
17	.41	.45	47.5	46.7	42.9	50.7	0.8	2.1	.309	.270	94	85	SE	1	SE	0.5	10	10	—
18	.50	.47	46.8	46.3	45.6	48.0	2.1	1.3	.270	.283	85	91	Calm	0	SE	2	10	10	—
19	.39	.33	41.8	32.6	30.9	48.3	1.0	0.3	.245	.180	92	97	SE	1	Calm	0	5	10	—
20	.23	.16	40.7	49.8	31.0	50.1	0.2	0.9	.250	.335	98	93	SE	0.5	S	2	10	10	.07
21	.19	.24	48.6	47.0	46.4	51.5	0.5	0.6	.329	.308	96	96	Calm	0	Calm	0	9	9	—
22	.25	.28	47.2	47.2	43.3	52.2	0.7	0.5	.308	.313	96	97	SSW	1	Calm	0	9	10	.05
23	.30	.22	46.2	46.1	44.4	50.1	0.6	1.1	.299	.286	96	92	S	0.5	S	1	9	10	—
24	30.11	30.07	49.8	45.2	41.3	58.0	1.4	0.6	.322	.287	90	96	SSE	2	S	0.5	8	10	—
25	29.96	29.99	51.3	50.7	44.8	53.9	4.5	1.7	.269	.326	72	88	SSW	3	S	2	9	10	—
26	30.05	30.07	49.8	51.0	48.5	55.2	1.0	1.2	.333	.343	93	92	S	1	S	3	10	10	.01
27	29.97	.05	51.6	52.8	44.5	54.7	1.3	1.4	.348	.361	91	90	SSW	4	WSW	3	10	10	—
28	30.15	.15	51.2	49.9	49.4	54.2	0.8	1.5	.355	.320	95	90	SW	2	S	1	10	7	—
29	.15	.18	49.4	49.8	44.4	58.2	1.2	1.0	.322	.333	91	93	SSW	2	SSW	2	3	9	—
30	30.17	30.07	48.3	45.7	45.3	50.8	2.0	1.8	.289	.267	86	87	SW	2	S	3	9	2	—
31	29.91	29.68	47.3	51.6	41.8	51.6	2.3	0.6	.271	.366	84	96	S	4	S	5	10	10	.29
Mean	29.774	29.805	48.0	47.4	42.8	52.8	1.5	1.7	.300	.291	89.3	88.1	2.3	2.6	8.9	8.2	4.78		

## DUBLIN (PHENIX PARK).—NOVEMBER 1899.

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

1	29.54	29.16	51.6	52.7	49.8	55.3	3.9	1.9	286	347	75	88	S	2	SE	2	8	10	040	Cloudy day. ☉ 7p.-11p.
2	29.10	04	55.4	49.7	49.4	58.8	3.6	2.9	341	286	78	81	Calm	0	SW	3	8	4	205	Cloudy day. ☉ p.
3	28.72	29.13	53.7	46.9	40.3	55.0	3.1	4.0	329	232	80	73	SSW	7	SW	2	9	4	470	Squally ☉ a. ☉ a. and p.
4	29.19	28.96	51.5	54.8	39.4	63.7	3.1	3.2	303	343	79	80	Calm	0	SW	4	8	4	150	Cloudy day. Squally ☉ p.
5	35	29.54	48.3	45.1	42.9	55.8	5.1	3.4	226	226	66	75	SW	3	SW	2	0	4	—	Beautiful day.
6	55	72	50.1	45.6	40.8	54.0	4.8	2.2	250	257	69	84	SW	3	SW	1	4	0	025	Sunny day.
7	29.39	08	55.2	51.2	40.9	56.9	3.1	2.6	350	311	81	83	S	4	SW	3	10	4	430	Dull, with ☉. ☉ p.
8	28.89	28	48.3	46.3	42.9	52.9	3.8	1.5	251	279	74	90	SW	4	W	2	4	8	100	Squally ☉ till 2 p.
9	29.68	42	44.3	50.0	40.5	50.6	1.4	2.1	260	307	89	85	Calm	0	SE	2	4	9	055	☉ from 7p.
10	02	29.63	54.0	44.3	42.6	55.3	2.9	4.6	337	198	81	67	SW	2	W	2	6	0	085	☉ showers a.
11	29.73	30.05	47.7	41.5	41.1	49.8	2.8	2.9	266	204	81	78	W	3	W	2	8	4	015	☉ showers a. ☉ ☉ 1p.
12	30.12	30.10	49.5	51.2	40.5	54.9	2.5	2.6	292	311	83	83	SW	1	SW	1	8	7	—	
13	30.05	29.88	52.1	53.5	49.1	56.3	3.3	4.9	304	285	78	69	SW	1	S	3	8	7	—	
14	29.75	30.11	54.3	46.1	44.9	57.0	1.8	1.6	371	275	88	89	Calm	0	N	1	9	9	045	☉ ga. and 1p.
15	30.38	45	52.2	51.4	44.9	55.9	0.9	1.8	366	333	94	88	E	1	Calm	0	7	8	005	Cloudy day. ☉ 6p.
16	46	30	47.6	49.3	46.5	52.0	1.3	2.8	298	284	91	81	Calm	0	Calm	0	8	9	—	
17	54	52	47.2	37.1	35.0	50.7	1.5	0.5	289	211	90	95	Calm	0	Calm	0	8	8	—	
18	45	38	34.6	39.0	31.0	52.8	0.6	0.5	189	228	94	96	Calm	0	Calm	0	2	0	—	
19	30	21	40.3	47.0	32.3	48.8	1.4	2.6	221	262	89	82	Calm	0	W	1	4	8	020	Beautiful day.
20	21	27	48.0	46.7	45.9	51.4	0.8	0.6	314	304	94	96	Calm	0	Calm	0	8	10	—	Dull day.
21	30	31	46.9	46.7	45.7	50.8	0.6	0.4	307	310	96	97	Calm	0	Calm	0	10	8	010	Dull and cloudy. ☉ sp.
22	33	29	45.7	46.4	44.9	49.1	0.8	1.8	290	273	95	87	Calm	0	Calm	0	8	9	—	Cloudy day.
23	18	03	47.9	49.8	45.7	52.3	2.6	2.4	271	298	82	84	SW	1	SW	1	7	8	—	Fine day.
24	03	06	50.9	50.5	49.3	54.0	3.3	2.8	291	297	79	81	SW	1	Calm	0	8	7	—	Fine day.
25	15	19	51.1	50.5	48.8	54.8	3.8	2.8	282	297	75	81	Calm	0	SW	1	7	5	—	Cloudy day.
26	13	10	48.4	52.5	46.9	53.3	3.7	1.1	254	365	75	92	SW	2	SW	2	6	6	005	Cloudy day. ☉ 6p.-7p.
27	21	25	50.6	50.7	49.6	53.1	1.3	1.3	335	337	91	91	WSW	1	SW	1	9	2	005	☉ 10a.-noon.
28	24	27	51.1	51.3	47.9	56.2	2.8	3.7	305	287	81	76	SW	1	SW	1	6	4	—	Fine day.
29	27	30.21	49.4	47.0	46.5	52.0	4.8	3.3	243	247	69	77	Calm	0	SW	1	7	4	—	Cloudy day.
30	30.04	29.83	43.6	51.8	43.0	52.7	2.2	3.5	236	297	83	77	Calm	0	SW	3	2	6	205	Beautiful day.
Mean	29.876	29.902	49.1	48.2	43.6	53.9	2.6	2.4	289	283	82.7	83.5	1.2	1.4	6.7	5.9	1.870			

## PARSONSTOWN.—NOVEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.	9 p.m.	
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.							
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	Dull and cloudy.	
2	29.49	28.99	51.7	55.6	49.0	55.6	3.8	1.7	.290	.394	75	88	S	2	SSE	3	10	10	135
3	29.02	28.97	51.7	46.7	46.0	56.0	1.9	1.8	.334	.277	88	87	S	1	SE	1	10	8	580
4	28.62	29.09	51.9	45.5	43.6	51.9	1.0	2.5	.359	.248	93	82	SW	2	SE	1	10	0	375
5	29.07	28.92	50.2	53.0	39.1	61.7	1.7	3.1	.320	.320	89	79	SE	1	W	3	9	10	248
6	31	29.47	47.9	49.0	40.8	53.0	4.6	2.0	.231	.234	70	85	SW	1	SE	1	4	0	353
7	51	29.62	47.0	44.0	41.8	52.0	2.2	1.1	.271	.263	85	91	SW	1	SE	1	10	0	052
8	28.98	54.0	43.7	42.6	57.7	1.1	1.7	.385	.247	92	86	SW	3	SE	1	10	6	430	☉ 10a. ☉ n.
9	28.87	29.29	46.6	49.0	43.7	52.6	1.6	2.1	.280	.296	89	85	SW	3	W	2	10	9	030
10	29.69	23	45.0	46.4	42.8	49.7	0.8	2.7	.280	.236	94	80	S	1	SW	4	10	10	125
11	29.09	29.63	52.7	45.7	43.6	53.0	1.8	3.8	.349	.226	88	73	W	1	W	1	10	4	176
12	29.77	30.05	46.7	42.5	41.7	49.6	2.7	2.1	.257	.228	81	84	W	3	SW	1	10	6	015
13	30.09	30.06	49.7	51.3	40.8	55.7	1.8	1.3	.312	.344	88	91	S	1	SW	1	10	10	031
14	30.00	29.75	50.2	52.0	46.8	53.8	2.2	3.0	.307	.310	85	80	S	1	S	1	8	6	020
15	29.67	30.11	51.0	45.7	44.1	54.3	1.5	3.7	.336	.227	90	74	SE	1	N	1	10	10	016
16	30.37	37	48.2	51.6	44.7	54.2	1.0	1.5	.312	.343	93	90	E	1	SE	1	10	10	016
17	40	43	49.4	49.0	45.0	52.4	3.0	2.3	.281	.291	86	84	SE	1	SE	1	10	10	016
18	48	46	45.7	41.7	36.8	49.0	2.6	1.8	.249	.227	82	87	SE	1	SE	1	10	4	016
19	39	33	41.2	37.8	36.8	52.6	0.5	1.4	.248	.200	97	89	SE	1	S	1	0	0	016
20	26	18	32.2	45.9	29.6	46.5	0.4	1.5	.174	.273	95	90	S	1	SW	1	3	10	025
21	18	23	46.7	46.7	44.3	50.9	0.9	0.5	.298	.309	94	97	NW	1	SE	1	10	10	016
22	26	28	46.0	47.0	44.6	50.5	0.5	0.9	.299	.301	97	94	SW	1	SW	1	10	10	016
23	30	24	45.7	46.2	44.1	48.0	0.8	1.3	.290	.283	95	91	NW	1	S	1	10	10	016
24	16	11	48.0	48.7	44.6	52.0	2.1	0.8	.283	.324	85	94	SW	1	S	1	10	10	016
25	02	03	50.0	49.7	47.8	52.7	2.0	2.5	.309	.295	86	83	SW	1	SW	1	10	10	016
26	09	13	48.7	48.0	46.8	54.7	1.7	1.3	.301	.302	88	91	SE	1	S	1	10	8	016
27	09	05	48.7	51.8	43.8	53.5	2.3	1.1	.289	.356	84	92	SSW	1	NW	1	10	10	016
28	19	20	51.3	46.0	44.8	52.7	0.9	1.1	.354	.285	94	92	SW	1	SE	1	10	0	016
29	21	23	47.5	49.5	43.8	54.5	0.8	1.6	.309	.314	94	89	SSW	1	SE	1	8	10	016
30	30.21	30.12	48.6	43.5	49.7	50.7	2.2	1.6	.290	.248	85	87	S	1	SE	1	10	0	016
31	29.99	29.77	42.7	42.7	40.8	53.2	0.9	2.3	.255	.336	92	85	SE	1	SW	3	4	10	281
Mean	29.833	29.844	47.9	47.3	42.9	52.8	1.7	1.9	.295	.285	88.3	86.7	1.3	1.3	8.9	7.0	2.822		



## DUNROBIN CASTLE.—DECEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.			9 a.m.
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.					
1	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%				ins.	Dull a. Cold ☉ showers p.
2	29.66	29.96	—	—	—	—	—	—	—	—	—	—	—	—	—	.14	Clear a. Dull p.
3	30.27	30.34	—	—	—	—	—	—	—	—	—	—	—	—	—	.13	Dull, with ☉ showers a.
4	30.32	.04	—	—	—	—	—	—	—	—	—	—	—	—	—	.15	Dull, with ☉ showers a.
5	29.91	30.15	—	—	—	—	—	—	—	—	—	—	—	—	—	.41	— a. ☉ p.
6	30.12	29.90	—	—	—	—	—	—	—	—	—	—	—	—	—	.06	Dull, with ☉ showers.
7	29.64	.64	—	—	—	—	—	—	—	—	—	—	—	—	—	.08	Dull and breezy, with ☉ showers.
8	.73	29.78	—	—	—	—	—	—	—	—	—	—	—	—	—	.04	Clear and breezy a. ☉ showers p
9	29.83	30.03	—	—	—	—	—	—	—	—	—	—	—	—	—		
10	30.09	.04	—	—	—	—	—	—	—	—	—	—	—	—	—		
11	.02	30.09	—	—	—	—	—	—	—	—	—	—	—	—	—		Breezy and frosty a. Clear p.
12	30.10	29.68	—	—	—	—	—	—	—	—	—	—	—	—	—		Dull and breezy.
13	29.71	.76	—	—	—	—	—	—	—	—	—	—	—	—	—		* a. Clear and chilly p.
14	.49	.46	—	—	—	—	—	—	—	—	—	—	—	—	—		Cloudy and frosty a. Thaw p.
15	.63	.65	—	—	—	—	—	—	—	—	—	—	—	—	—		Clear a. and p.
16	.66	.65	—	—	—	—	—	—	—	—	—	—	—	—	—		Clear a. Frosty p.
17	29.60	29.75	—	—	—	—	—	—	—	—	—	—	—	—	—		Thaw a. Dull p.
18	30.03	30.11	—	—	—	—	—	—	—	—	—	—	—	—	—		Mild a. Frosty p.
19	30.10	.05	—	—	—	—	—	—	—	—	—	—	—	—	—		Fine and mild.
20	29.92	.00	—	—	—	—	—	—	—	—	—	—	—	—	—	.25	Cloudy and mild a. Cold p.
21	30.13	.23	—	—	—	—	—	—	—	—	—	—	—	—	—	.28	Dull, with ☉ showers.
22	.32	.35	—	—	—	—	—	—	—	—	—	—	—	—	—		Dull day.
23	30.25	30.05	37.0	34.0	34.0	40.2	1.8	1.8	1.86	1.60	85	81	SE	W	—		Dull a.
24	29.93	29.81	33.5	38.0	27.5	39.0	1.5	1.0	1.61	2.08	84	91	SW	W	—	.13	☉ showers.
25	.69	.65	30.0	36.0	30.0	42.0	0.0	2.0	1.67	1.75	100	82	W	W	—	.05	Clear a. Dull p.
26	.56	.42	31.0	30.0	29.0	38.0	1.0	1.0	1.48	1.40	85	83	W	W	—	.14	Clear and frosty a. * showers p.
27	.47	.49	24.0	35.0	24.0	38.0	0.2	1.2	1.21	1.80	94	88	NW	NW	—	.13	Clear and frosty.
28	.50	.51	30.8	34.0	30.0	36.0	2.0	2.0	1.25	1.56	72	79	SE	E	—	.20	Clear and frosty a. * showers p.
29	29.46	29.28	36.5	34.0	31.0	38.2	0.3	2.0	1.20	1.56	97	79	SE	E	—	.35	
30	28.85	28.58	37.0	43.0	34.0	47.0	1.0	1.0	2.00	2.55	91	92	SE	E	—	.33	Dull, with ☉.
31	28.57	28.65	43.0	41.0	40.0	45.0	1.0	0.0	2.55	2.57	92	100	SE	E	—	.74	Clear, with ☉ showers.
31	29.03	29.57	42.2	42.0	40.0	43.0	2.0	3.0	2.27	2.07	85	78	NE	NE	—	.07	Dull, with ☉.
Mean	29.760	29.763	—	—	—	—	—	—	—	—	—	—	—	—	—	3.68	

## BRAEMAR.—DECEMBER 1899.

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

1	28.53	28.67	41.9	38.6	36.3	42.2	2.6	1.9	2.14	1.98	81	85	SW	2	NW	1	8	4	—	Fair but cold.
2	29.06	29.19	37.6	30.7	29.0	39.8	3.3	1.8	1.65	1.29	73	74	N	1	SW	2	8	0	—	Fair but cold.
3	29.12	28.82	32.9	39.8	22.0	39.8	2.4	1.3	1.39	1.29	74	90	SW	0.5	SW	2	7	10	13	Dark and damp.
4	28.67	28.8	48.9	39.8	38.0	50.7	1.3	1.3	1.35	1.29	91	90	NW	2	NE	1	8	10	03	Dark and damp.
5	29.2	29.8	34.3	37.4	32.8	40.2	0.7	1.3	1.84	1.98	89	89	E	0.5	E	0.5	10	10	55	Dark and damp.
6	29.57	29.43	40.8	43.6	35.1	43.6	1.0	0.4	2.34	2.74	92	97	E	0.5	E	0.5	10	10	49	Dark, with showers.
7	29.54	29.66	43.8	39.4	38.4	44.8	2.3	2.3	2.37	1.97	82	82	E	0.5	E	0.5	8	10	03	Dark and damp.
8	29.69	29.84	34.6	34.8	30.7	39.8	2.8	1.6	1.47	1.53	74	82	SW	2	SW	0.5	7	7	—	Dull day.
9	29.97	29.92	27.6	29.8	26.1	34.2	0.6	0.7	1.32	1.47	88	88	SW	0.5	W	0.5	7	2	02	Dull day. *
10	29.84	29.91	25.6	26.4	19.0	29.8	0.8	0.9	1.11	1.15	81	81	SW	0.5	W	0.5	6	3	—	—
11	29.90	29.49	30.2	27.6	18.7	31.0	0.7	1.1	1.50	1.18	89	79	SE	0.5	SW	4	9	8	02	Dull and cold.
12	29.54	29.61	20.8	9.6	8.3	28.0	1.3	0.1	0.70	0.64	63	96	W	0.5	SW	0.5	2	4	—	Clear and frosty.
13	29.32	29.31	18.8	30.7	8.3	31.0	0.8	0.5	0.76	1.58	74	92	W	0.5	S	2	9	10	02	Dull day. * p.
14	29.46	29.51	19.8	10.1	9.0	31.0	1.3	0.6	0.66	0.54	62	79	SW	0.5	SW	0.5	7	2	—	—
15	29.52	29.44	32.4	33.8	8.2	34.4	0.7	2.3	1.69	1.49	92	77	SW	0.5	SW	1	8	8	19	—
16	29.33	29.51	36.6	38.8	31.3	39.7	1.3	1.3	1.92	2.11	89	90	SW	2	S	2	10	10	23	—
17	29.81	29.90	33.6	33.6	30.2	39.8	2.3	2.5	1.48	1.44	77	75	W	0.5	SW	0.5	9	9	—	Dark and cloudy.
18	29.88	29.83	31.5	35.6	29.0	36.2	1.0	2.4	1.54	1.64	86	78	SW	0.5	SW	0.5	8	8	—	Dark and cloudy.
19	29.78	29.85	34.6	35.8	32.3	36.0	1.8	1.1	1.65	1.91	82	91	SW	1	SW	0.5	10	10	03	Dark and damp.
20	28.92	29.01	33.8	34.8	32.0	36.3	0.9	0.5	1.77	1.92	91	95	SE	0.5	S	0.5	10	10	13	Dark and damp.
21	29.13	29.21	35.7	33.6	31.7	35.8	1.1	2.0	1.90	1.52	90	79	S	0.5	S	0.5	9	10	07	Dark and damp.
22	29.04	28.81	30.7	25.6	23.0	33.8	0.9	0.1	1.48	1.35	87	98	S	0.5	S	0.5	10	9	12	* showers.
23	28.76	28.65	24.8	30.8	18.8	34.3	0.3	2.3	1.23	1.19	92	69	S	0.5	S	0.5	9	10	13	* showers.
24	29.58	29.51	24.4	32.6	22.0	38.2	0.9	2.8	1.01	1.28	77	69	SW	0.5	SW	0.5	7	9	—	Bright a.
25	29.43	29.30	27.7	27.8	25.6	32.8	0.5	0.8	1.36	1.27	90	84	SW	0.5	SW	0.5	8	2	—	Bright and cold.
26	29.26	29.16	21.6	30.2	19.7	30.6	1.1	0.1	0.80	1.66	70	98	SW	0.5	N	0.5	4	10	02	Bright a. * p.
27	29.30	29.32	25.6	30.6	22.6	31.3	0.9	1.1	1.09	1.43	89	84	E	0.5	NE	0.5	7	10	—	Bright a. * p.
28	28.36	28.15	15.4	28.6	11.8	31.2	0.9	0.7	0.62	1.37	72	88	NE	0.5	NE	0.5	2	10	15	* showers.
29	27.59	27.35	31.9	35.2	27.0	35.6	0.4	1.0	1.72	1.86	95	90	NE	1	E	0.5	10	10	32	* a.
30	27.37	27.51	34.7	36.6	32.7	37.5	0.5	1.3	1.92	1.92	95	89	NE	0.5	SW	0.5	10	10	12	Damp and muggy all day.
31	27.88	28.30	35.1	36.4	33.4	37.0	0.8	1.2	1.89	1.93	92	90	SW	1	SW	0.5	10	9	26	* (sleet).
Mean	29.584	28.578	31.2	32.2	25.3	36.5	1.2	1.3	1.53	1.60	83.3	85.4	—	—	—	—	—	—	—	—

## LAUDALE.—DECEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.					
							Dep. of Wet.		Vapour Tension.		Percentage.										
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.						
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%				ins.					
1	29.79	29.98	46.0	44.7	42.0	52.1	2.3	1.9	2.59	2.53	84	86	N	4	NW	5	7	8	22	(gale) showers.	
2	30.31	30.41	41.0	33.3	31.6	45.7	2.0	1.6	2.15	1.58	84	83	NW	3	N	1	6	0	02	Fine, clear, and frosty. n.	
3	30.29	29.99	43.8	51.4	31.0	52.0	2.8	1.7	2.26	3.36	78	89	S	4	S	5	10	10	100	* a. showers.	
4	29.88	30.03	53.7	49.3	48.7	54.7	1.7	0.4	3.64	3.41	88	97	W	5	S	1	10	10	19	* a. showers all day.	
5	30.03	29.84	46.0	45.7	44.0	51.0	1.7	1.7	2.72	2.68	88	88	SSE	3	SE	6	10	10	31	Dull, with a. p.	
6	29.68	29.52	51.0	51.0	45.3	52.2	2.3	2.0	3.16	3.23	84	86	SE	4	S	3	10	10	06	Dark and threatening all day.	
7	29.64	29.72	49.9	48.0	45.0	51.3	1.9	4.0	3.10	2.43	87	73	SSE	1	E	4	9	10	08	* a. showers.	
8	29.80	30.07	41.0	35.3	34.0	48.0	2.3	1.3	2.10	1.81	82	88	E	5	N	1	10	10	29	* a. (sleet) * a. all day.	
9	30.18	30.07	34.3	36.8	31.4	43.0	1.0	3.5	1.57	1.67	70	78	N	1	E	5	3	0	—	* a. Clear and cold.	
10	29.95	30.06	37.7	36.3	34.0	40.7	3.7	2.6	1.59	1.67	82	89	ESE	4	E	5	8	7	—	* a. Cold and dry, with (gale).	
11	30.04	29.52	36.0	33.0	31.4	37.0	2.0	1.0	1.75	1.59	82	89	ESE	5	SE	5	3	10	25	* a. and p. * from sp. ☒	
12	29.77	73	32.7	33.7	29.7	35.4	0.3	1.7	1.80	1.69	96	82	E	1	E	2	2	4	—	* ☒ 8 ins. dep. ☐	
13	42	41	35.0	35.0	30.2	35.7	1.3	2.0	1.78	1.64	87	80	SE	2	SE	4	10	8	02	☒. ☒ showers. ☐	
14	61	67	33.8	36.0	31.0	36.3	0.6	1.7	1.82	1.80	93	85	ESE	4	SE	4	2	10	04	☒. ☒ showers.	
15	70	50	37.7	40.0	33.0	40.7	1.7	2.3	1.93	2.02	85	82	S	1	S	6	7	10	30	☒. Dull day. ☒ 2 n.	
16	39	29.57	48.0	46.0	36.0	48.7	1.0	2.3	2.09	2.59	93	84	S	4	S	4	10	10	20	* most of day.	
17	29.96	30.09	39.0	35.7	33.4	46.6	3.3	2.7	1.59	1.59	75	76	ESE	2	SSE	3	2	2	01	* a. Fine and dry.	
18	30.06	29.98	40.1	42.2	35.0	43.0	3.0	3.2	1.90	2.05	76	77	SE	2	SE	3	10	10	02	* a. Fine and dry.	
19	29.91	29.99	42.0	42.0	41.0	44.2	1.8	1.3	2.29	2.39	86	90	ESE	6	SSE	3	10	10	67	☒ (mist) a. ☒ 2 all day.	
20	30.11	30.18	40.0	40.7	38.0	42.8	2.0	2.3	2.07	2.08	84	82	ESE	3	SE	2	10	10	02	Dull day. ☒ showers p.	
21	30	34	40.7	41.0	38.2	43.0	2.2	2.8	2.10	2.01	83	78	ESE	3	SE	2	10	10	—	Overcast and threatening.	
22	30.20	30.02	36.0	35.7	33.0	41.3	1.8	2.4	1.79	1.65	84	79	NE	2	SSE	1	4	7	—	* a. Fine and clear.	
23	29.87	29.81	41.0	41.7	33.0	42.7	3.0	0.7	1.97	2.49	77	94	S	6	S	2	10	10	23	Dark and overcast. ☒ p.	
24	76	74	44.3	37.7	34.7	45.3	2.3	1.7	2.41	1.93	82	85	W	3	NW	2	7	8	45	☒ showers.	
25	72	51	35.0	35.3	32.6	40.7	1.0	1.3	1.84	1.81	90	88	NW	2	N	3	7	25	☒ — ☒ a. * showers p.		
26	46	45	31.7	28.0	26.0	36.8	0.3	2.0	1.72	0.97	96	64	NE	1	Calm	0	10	0	03	☒ — a. * showers.	
27	50	58	26.0	26.2	23.0	31.7	2.0	2.2	0.81	0.78	58	56	N	1	N	1	4	0	—	☒ — 2 a. — 2 p.	
28	29.52	29.19	20.0	20.0	18.0	37.4	1.0	2.0	0.73	1.82	68	83	E	1	SE	3	0	10	02	☒ — 2 a. Clear and dry.	
29	28.66	28.46	38.7	40.0	34.0	40.4	2.7	1.0	1.84	2.26	79	91	NE	4	NE	3	10	10	07	☒. ☒ (sleet) showers a.	
30	28.48	28.63	38.3	39.3	35.3	42.7	1.1	1.3	2.09	2.15	91	90	Calm	0	SW	1	10	10	58	☒ a. ☒ p. [ p.	
31	29.15	29.58	41.0	39.3	37.0	41.7	1.7	0.3	2.21	2.34	86	98	W	6	NE	1	10	10	42	* a. Snow on hills.	
Mean	29.746	29.730	39.4	39.3	34.5	43.4	1.9	1.9	2.09	2.06	83.4	83.0			3.0		2.9	7.5	7.8	6.75	



## GLASGOW.—DECEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.				
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.								
ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.				
1	29.64	29.82	45.2	43.1	40.9	50.3	2.6	2.9	.243	.218	81	78	W	2	W	2	10	6	—	Dull and cloudy.
2	30.13	30.26	38.6	33.9	33.9	44.2	2.4	0.9	.189	.177	81	90	NW	1	E	1	3	10	—	Fine and clear. ∞ p.
3	30.20	29.89	35.1	47.9	32.3	48.1	1.6	0.9	.173	.310	84	94	NE	2	SW	3	10	10	.509	☁ (mist) a. ☁ p.
4	29.76	.86	52.2	51.2	47.7	53.3	1.0	0.9	.363	.353	93	94	W	2	NW	1	10	10	.020	☁ a. Dull and overcast.
5	.92	.77	39.9	41.0	39.3	51.2	0.6	0.3	.234	.250	95	98	E	2	E	2	10	10	.470	Overcast, with ☁.
6	.55	.35	45.8	47.1	40.5	47.4	0.4	0.6	.299	.310	97	96	NE	1	NE	2	10	10	.566	Overcast, with ☁.
7	.48	.61	47.4	44.2	44.1	47.8	0.4	2.5	.317	.236	97	81	E	1	E	2	10	10	.009	☁ (mist) a. Dull and overcast.
8	29.70	.93	38.9	34.6	33.6	44.5	4.5	1.5	.156	.171	66	85	SE	1	SE	1	10	10	.059	Dull a. ☁ p.
9	30.04	.97	33.7	31.3	31.1	36.3	0.8	2.0	.178	.130	91	74	NE	1	E	1	10	5	—	Dull, with ∞.
10	29.88	.97	28.9	29.5	28.1	33.4	1.5	2.0	.117	.112	74	69	E	2	E	1	9	7	—	Cloudy, with ∞.
11	.93	.50	32.3	33.1	27.3	34.4	1.9	2.3	.142	.142	77	75	SE	1	SE	1	8	10	.184	☁ a. Dull day. ☁ from 9p.
12	.61	.62	28.9	26.6	22.5	33.4	0.5	0.4	.145	.131	91	92	E	1	E	1	3	10	—	☁ a. (3 ins. deep). ☁ (mist).
13	.32	.30	25.2	33.3	23.1	34.7	0.2	1.3	.129	.164	95	86	E	1	SE	2	10	10	—	Dull and overcast. ☁ p.
14	.50	.57	26.2	23.1	21.6	33.9	1.4	0.4	.098	.109	69	89	E	2	E	2	10	10	—	☁. Overcast, with ☁ (mist).
15	.61	.48	31.5	37.9	23.1	38.1	1.1	1.8	.151	.193	84	85	Calm	0	S	1	7	10	—	☁. Dull, with ∞.
16	.33	.51	41.4	41.8	37.4	43.2	1.9	2.5	.222	.215	86	81	S	2	SE	2	10	10	—	Dull and overcast.
17	.84	.94	32.9	35.5	32.2	42.1	1.9	2.5	.148	.160	79	77	E	1	E	1	4	10	—	Dull day.
18	.92	.87	36.4	39.1	35.2	40.4	1.3	1.9	.191	.202	89	85	NE	1	S	1	10	10	—	☁ (mist) a. ∞ p.
19	.83	29.90	39.3	38.7	38.3	41.1	2.6	1.4	.191	.208	80	89	SE	1	SE	1	10	10	.433	Dull and overcast. ☁ p.
20	29.96	30.06	36.9	36.2	34.6	39.1	0.8	0.8	.203	.199	93	93	E	1	E	1	10	10	.156	☁ a. and p.
21	30.16	30.18	37.5	37.6	34.6	39.4	1.0	1.7	.205	.193	92	85	E	1	E	1	10	10	.078	Dull and overcast.
22	30.02	29.85	33.9	34.2	33.1	37.8	0.6	1.6	.183	.166	93	83	E	2	NE	1	10	10	—	☁ a. Dull p.
23	29.80	.65	32.7	37.3	31.2	38.4	1.3	0.4	.159	.215	85	97	E	1	E	1	10	10	.161	Dull a. ☁ p.
24	.65	.59	35.3	37.6	31.3	43.4	0.3	1.8	.201	.191	97	84	E	1	W	1	10	6	.052	Dull and cloudy a. ☁ p.
25	.55	.38	33.6	33.5	32.6	38.1	0.8	0.8	.176	.175	91	91	SW	1	W	1	10	10	.069	☁ showers.
26	.30	.24	26.9	27.8	26.0	34.2	0.5	0.0	.130	.152	89	100	W	1	SW	1	6	0	—	☁ (1 inch deep).
27	.30	29.38	25.1	22.4	22.4	28.4	0.0	0.0	.136	.120	100	100	W	1	Calm	0	10	10	—	☁ a. ☁ (sleet) p.
28	29.34	28.96	20.7	33.8	18.0	33.9	0.0	0.6	.112	.182	100	93	Calm	0	E	4	10	10	.320	☁ a. ☁ (sleet) a. ☁ p.
29	28.42	.25	35.4	38.6	32.9	39.1	0.4	0.2	.200	.230	96	98	E	1	E	2	10	10	.100	☁ a. ☁ (sleet) a. ☁ p.
30	28.34	28.51	40.1	39.5	37.8	41.4	0.8	1.0	.231	.222	93	92	S	1	SW	3	10	10	.233	Overcast, with ☁.
31	29.04	29.48	39.0	39.3	38.9	42.3	2.7	1.8	.186	.206	79	86	W	2	SW	1	10	10	—	Overcast, with ☁.
Mean	29.614	29.600	35.4	36.5	32.4	40.4	1.2	1.3	.187	.195	87.6	87.7	1.2	1.5	9.0	9.2	3.419			

## LADYLAW.—DECEMBER 1899.

Height above Mean Sea Level, 447 feet. Heights above Ground:—Bar., 15 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 2° 47' W. Lat. 55° 28' N. Gravity Correction, +.026 in.

1	29.37	29.50	45.2	39.0	36.4	54.8	2.6	2.6	.243	.188	81	80	S	1	SW	1	10	0	—	Overcast till 5p.
2	.82	.93	36.2	28.7	27.0	45.2	2.4	1.1	.170	.126	79	80	SW	1	SW	1	0	0	—	Fine all day.
3	.93	.66	29.7	39.4	25.4	45.6	2.7	1.2	.099	.218	61	91	Calm	0	NW	1	0	10	.082	Overcast all day, with ☁.
4	.47	.54	50.4	46.2	30.4	53.8	1.6	0.8	.325	.295	90	95	W	1	SW	1	10	10	.048	Overcast all day. ☁ from 10p.
5	.65	.50	40.0	41.0	36.2	48.8	0.2	0.1	.243	.255	98	99	Calm	0	Calm	0	10	10	.454	Overcast all day.
6	.31	.11	41.2	45.2	37.4	49.4	0.4	0.4	.251	.292	97	97	Calm	0	Calm	0	10	10	.248	Overcast all day, with ☁.
7	.21	.38	47.2	41.0	36.4	49.8	1.4	1.4	.291	.227	91	89	SW	1	NW	1	10	10	—	Overcast and very dark.
8	.42	.62	37.0	36.1	31.4	48.2	2.2	1.5	.179	.185	81	86	W	2	W	1	6	8	—	
9	.77	.69	24.2	24.2	20.4	44.2	1.6	1.6	.079	.079	62	62	SE	1	SE	1	0	0	—	Fine all day.
10	.64	.65	26.1	27.9	20.0	35.8	1.4	1.3	.097	.114	69	75	N	1	SE	1	0	10	.014	Fine till 5p. ✱
11	.68	.32	25.9	27.3	22.4	34.8	1.1	1.4	.104	.107	74	72	Calm	0	SE	3	10	10	.048	✱ early a. and late p.
12	.31	.32	27.1	24.1	21.0	29.4	1.3	1.3	.107	.086	74	67	N	1	W	1	10	10	—	☁. Overcast all day, with ☁.
13	.06	.08	23.3	26.3	19.4	32.8	1.5	1.5	.077	.096	62	68	NW	1	W	1	10	10	—	☁. Overcast all day.
14	.20	.25	20.9	17.9	11.0	27.2	2.5	1.1	.046	.064	41	66	Calm	0	SW	1	0	10	—	☁.
15	.35	.27	23.1	30.9	9.4	32.4	1.9	1.2	.066	.143	54	82	N	1	SW	2	0	10	—	☁.
16	.16	.27	37.2	35.3	27.2	41.8	1.8	1.7	.187	.174	84	84	SW	3	SE	1	10	7	—	Overcast till 3p. ☁
17	.52	.61	34.9	31.3	27.8	37.2	1.5	1.1	.173	.149	85	84	E	1	SW	1	6	10	—	Overcast most of day.
18	.63	.60	35.1	35.3	29.4	39.8	1.7	1.9	.171	.170	83	82	Calm	0	Calm	0	10	10	—	Overcast and raw all day.
19	.60	.64	37.4	36.1	30.2	39.8	2.0	1.8	.185	.179	83	84	W	1	SW	1	10	10	—	Overcast all day.
20	.69	.78	37.0	35.1	30.4	39.8	1.3	1.3	.195	.179	89	87	E	2	NW	1	10	10	—	Overcast and raw all day.
21	.85	.88	35.1	35.7	29.6	39.6	0.5	1.5	.195	.182	95	86	N	1	NW	1	10	10	.164	Overcast all day. ✱
22	.73	.53	34.3	30.9	29.4	35.8	0.7	1.1	.184	.245	93	84	N	1	NW	1	10	10	.048	☁. Overcast all day. ✱ 4a. - 11a.
23	.53	.39	24.9	36.0	18.8	36.0	1.5	0.6	.086	.201	64	95	N	1	N	1	10	10	—	☁.
24	.38	.31	37.4	38.0	29.8	40.0	1.0	1.2	.204	.204	92	89	W	1	W	1	10	10	—	☁. Overcast all day.
25	29.28	29.13	30.9	29.9	28.4	38.8	1.5	1.3	.137	.132	78	79	Calm	0	W	1	0	0	—	☁. Fine and frosty.
26	28.99	28.93	23.9	29.7	21.0	34.4	1.1	1.1	.091	.135	71	82	W	1	SW	1	0	0	—	☁. Fine and frosty.
27	28.98	29.05	24.1	24.1	18.8	35.2	1.4	1.4	.083	.083	65	65	W	1	W	1	0	0	—	☁. Fine and frosty.
28	29.07	28.66	20.3	34.7	15.0	34.8	1.1	1.4	.073	.174	67	86	Calm	0	NW	2	0	10	.058	☁. ✱ from 7p.
29	28.15	27.96	35.1	37.4	30.4	39.8	0.3	1.0	.199	.204	97	92	N	1	W	1	10	10	.202	Overcast all day.
30	.09	28.30	38.2	38.0	31.4	40.8	0.6	1.2	.218	.204	95	89	W	1	SW	5	10	10	—	Overcast all day.
31	28.77	29.17	37.0	35.3	32.0	40.0	1.7	1.5	.187	.178	85	86	W	2	SW	2	10	0	—	Overcast till 5p.
Mean	29.342	29.323	32.9	33.5	26.3	40.2	1.4	1.3	.160	.167	78.7	82.7	0.9	1.2	-6.8	7.6	1.366			

## SCARBOROUGH.—DECEMBER 1899.

Height above Mean Sea Level, 219 feet. Heights above Ground:—Bar., -6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

[No observations this month owing to change of Observer.]

## CRONKBORNE.—DECEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
								Dep. of Wet.		Vapour Tension.		Percentage.						
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	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.	%	%	WNW <sub>3</sub>	S 2	10	3	ins.	
1	29°80	29°99	47°4	44°0	43°2	52°0	1°9	2°5	·282	·234	87	81	WNW <sub>3</sub>	S 2	10	3	—	Dull day.
2	30°21	30°30	44°4	32°4	32°4	48°0	3°0	2°4	·228	·176	78	96	NNW <sub>3</sub>	N 1	2	2	—	Cloudy day. — p.
3	30°26	30°10	46°4	49°2	31°8	49°4	2°9	1°6	·251	·310	81	89	SSE 3	SSW 4	10	10	·486	☁ from 11 a. Overcast day.
4	29°95	29°94	50°4	52°2	48°9	52°2	1°1	0°8	·338	·369	92	95	WSW 4	NW 3	10	10	·400	Dull, with ☁ showers.
5	'94	'84	51°7	51°6	50°5	52°3	0°3	0°9	·376	·358	98	94	W 1	S 2	10	10	·568	☁ a. Overcast, with ☁ showers.
6	'60	'42	52°6	48°7	48°0	53°5	0°3	2°3	·389	·289	98	84	S 1	WNW <sub>3</sub>	10	8	·332	☁ a. Overcast, with ☁ showers.
7	'52	'62	40°8	46°0	35°8	58°6	1°0	1°5	·234	·276	92	90	Calm 0	E 5	3	10	·143	Fine till 2p. ☁ at night.
8	29°74	29°93	38°3	38°0	37°3	46°0	1°5	2°0	·201	·190	87	83	ESE 4	ESE 5	10	10	·159	Overcast, with ☁.
9	30°09	30°01	38°0	36°0	34°8	49°5	3°8	1°5	·160	·184	69	87	SE 3	ESE 4	8	10	—	Snow on mountains. Dull day.
10	29°89	29°96	38°6	36°8	34°3	38°6	2°9	2°5	·180	·172	78	79	SE 4	ESE 5	9	8	—	Overcast day. — 9p.
11	'97	'53	38°4	36°0	35°8	38°4	3°8	0°7	·164	·199	70	94	SE 3	SE 6	7	10	·582	Dull day. ☁ at night.
12	'64	'65	36°8	34°0	31°7	38°4	1°1	1°3	·197	·170	91	86	E 2	NE 2	9	10	—	Dull day.
13	'30	'30	37°0	35°6	32°0	40°0	2°2	0°9	·179	·193	81	92	E 4	ESE 6	10	10	—	Overcast day. Squally p.
14	'50	'61	35°1	32°0	30°2	38°7	2°3	0°6	·159	·167	78	92	ESE 2	NNW 1	4	8	—	Fine day.
15	'71	'60	37°7	42°4	29°2	42°4	3°6	1°8	·161	·233	71	86	SW 1	SSE 5	3	10	—	— a. Fine day. p.
16	'46	'54	46°6	44°2	34°0	48°0	1°6	0°7	·280	·275	89	95	S 5-6	SE 5	10	10	—	Overcast, with ☁.
17	'86	'94	34°8	38°4	33°0	44°2	1°1	2°4	·180	·186	90	81	E 5	ESE 4	9	10	—	Dull day.
18	'95	'93	40°2	42°6	32°5	43°8	1°6	2°8	·216	·215	88	80	E 2	SSE 2	8	7	—	Dull day.
19	'92	29°93	42°6	41°2	39°8	44°2	2°2	1°6	·227	·225	84	88	SE 3	ESE 2	10	10	—	Overcast all day. [showers.
20	29°99	30°07	39°6	40°6	39°6	41°2	1°0	0°8	·223	·236	92	93	ESE 3-4	E 3	10	10	·044	☁ (mist) a. Overcast, with ☁.
21	30°15	30°15	40°6	40°0	39°2	41°8	2°1	2°2	·211	·203	84	82	E 3-4	E 5	10	10	·113	☁ (mist) a. ☁ at night.
22	30°01	29°90	37°6	39°0	37°3	40°2	1°1	1°8	·204	·203	91	86	SE 3	ENE 1	10	10	·074	☁ (mist) a. Overcast day.
23	29°88	'72	41°8	45°0	37°2	47°0	1°5	0°2	·234	·294	88	98	SE 2	S 3	4	820	·820	☁ showers. ☁ at night.
24	'77	'73	42°2	40°2	39°4	46°2	2°4	1°6	·219	·216	83	88	SW 2	WNW <sub>3</sub>	4	4	·040	Fine till 2p. ☁ showers from 5p.
25	'73	'56	38°5	38°6	36°0	40°6	3°1	2°8	·175	·182	75	78	WNW <sub>4</sub>	W 4	3	6	·064	— a. Fine day. ✕ (sleet). ~ n.
26	'36	'32	36°0	31°0	29°8	40°8	1°2	1°4	·189	·139	89	79	NW 2	NNW 1	6	3	·132	Fine day. ☁ showers from 4p.
27	'34	29°42	29°0	32°0	27°2	35°8	0°8	0°5	·136	·170	86	93	NE 2	ENE 2	4	4	·002	☁☁ a. Cloudy day.
28	29°28	28°78	36°0	39°0	32°0	39°4	2°8	0°2	·161	·234	76	98	E 4	E 6-8	10	10	·664	✕ in afternoon. ☁ n.
29	28°32	'22	44°0	47°0	38°2	47°0	0°3	0°2	·281	·318	98	99	E 4	ESE 1	10	10	·318	Overcast, with ☁.
30	28°53	28°77	43°2	38°4	37°3	47°3	3°1	1°3	·215	·206	78	89	WSW 5	WSW 6	10	10	·100	Dull day. Squally p. n.
31	29°31	29°57	39°6	32°6	34°6	43°5	3°2	1°1	·183	·162	75	87	WSW 3	N 1	3	10	·040	Fine day. — p.
Mean	29°676	29°656	40°8	40°2	36°1	44°7	2°0	1°4	·220	·225	84°4	82°5	3°0	3°4	7°8	8°5	5°081	



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

Day.	Barometer at 32° Fah.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						
1	ins.	ins.	50.5	42.6	42.3	50.5	0.1	2.6	in.	in.	%	%	WSW 3	WbyS 2	10	3	ins.	☉ a. ☉ showers p.
2	29.52	29.70	39.0	34.0	33.3	50.3	1.6	2.3	364	219	99	81	Calm 0	Calm 0	1	0	—	Fine and sunny.
3	30.10	29.94	31.5	39.0	29.1	39.3	2.1	1.0	130	218	73	92	Calm 0	swbys 1	10	10	170	☼ <sup>0</sup> (mist) a. ☼ <sup>2</sup> in evening.
4	29.74	70	49.0	50.0	38.6	50.3	0.8	0.0	327	361	94	100	WSW 4	WbyN 4	10	10	825	Squally with ☉ p.
5	74	64	45.9	46.5	45.3	50.3	0.2	0.2	304	312	99	98	NbyE 1	Calm 0	10	10	300	☼ <sup>0</sup> (mist).
6	45	23	47.8	52.0	45.9	52.3	0.6	0.1	317	385	95	99	Calm 0	swbys 1	10	10	250	☼ <sup>0</sup> (mist).
7	29	44	42.0	41.7	38.6	52.3	0.6	2.7	254	209	95	80	Calm 0	ENE 3	10	10	—	Overcast and gloomy.
8	53	74	35.0	33.0	32.3	41.7	3.0	3.0	148	129	72	69	ESE 4	E by S 1	9	0	—	Bright intervals a. ☐
9	87	28.5	31.3	28.5	33.4	41.4	2.3	1.6	124	75	70	124	NNE 1	S by S 2	9	8	—	
10	76	75	30.0	30.0	27.1	33.8	1.5	0.4	118	155	75	93	Calm 0	Calm 0	9	9	008	Sunny p.
11	77	50	27.4	29.5	26.7	31.7	0.5	1.5	134	123	90	75	NE by N 1	SE 2	0	10	250	☼ <sup>0</sup> a. Fine p. ☐
12	78	43	28.0	30.0	27.9	30.3	0.5	0.6	137	150	89	90	NbyE 2	NbyE 1	10	10	—	☼ <sup>0</sup> a. ☼ <sup>0</sup> (mist) p.
13	74	14	32.0	27.0	26.3	34.5	0.0	2.4	182	180	100	55	SE by S 1	E by S 1	10	9	010	☼ <sup>0</sup> (mist) (mist) p. ☐
14	29	37	23.6	28.8	19.0	31.8	1.6	1.3	096	122	61	78	Calm 0	Calm 0	10	10	—	☼ <sup>0</sup> p.
15	52	49	23.0	29.4	22.6	30.0	0.5	1.9	105	114	85	71	NNW 1	S by E 1	10	9	—	☼ <sup>0</sup> (mist) a.
16	37	44	37.0	37.5	29.3	40.3	1.4	2.6	193	176	88	78	SSE 1	SE 3	10	10	—	Squally p.
17	63	71	30.3	33.0	30.0	37.8	1.3	1.0	136	167	80	89	E 2	NE 1	9	10	—	Fine day.
18	73	74	34.0	36.4	32.9	38.3	0.3	0.9	190	199	97	93	Calm 0	Calm 0	8	10	—	Bright intervals a. Dull p.
19	76	77	36.5	36.7	34.3	37.3	2.5	1.3	170	193	78	89	E by S 1	E by S 1	10	10	—	Dull and overcast.
20	79	86	35.8	34.4	34.3	37.3	1.7	1.7	179	177	85	88	E 1	NbyN 1	10	4	—	
21	94	96	36.0	35.6	32.7	37.7	0.4	1.5	204	181	96	86	Calm 0	EbyN 1	10	10	005	☼ <sup>0</sup> (mist) a. Overcast and gloomy
22	83	65	34.0	33.0	32.8	35.6	1.4	0.5	168	177	85	94	E by S 1	Calm 0	10	10	170	☼ <sup>0</sup> a. ☼ <sup>0</sup> (mist) p.
23	68	59	32.2	38.0	31.5	38.2	0.3	1.0	177	208	97	91	Calm 0	Calm 0	10	10	260	☼ <sup>0</sup> (mist) a. ☉ in evening.
24	57	48	38.0	38.2	37.1	42.8	0.5	1.0	218	210	96	92	SW 1	swbys 2	10	10	130	Gloomy a. Bright intervals p.
25	49	34	34.8	33.4	32.6	39.0	1.6	1.1	170	169	84	88	WbyN 2	Calm 0	10	10	380	☼ <sup>0</sup> showers a. Bright intervals.
26	11	09	33.2	25.3	25.1	35.7	0.3	0.3	184	127	97	93	WbyS 1	Calm 0	10	10	—	☼ <sup>0</sup> a. ☼ <sup>0</sup> p.
27	10	29.20	21.5	17.0	14.9	25.6	0.9	0.0	084	094	74	100	Calm 0	Calm 0	10	10	—	☼ <sup>0</sup> a. ☼ <sup>0</sup> all day.
28	29.10	28.61	29.0	36.0	14.3	36.4	0.8	1.0	136	193	86	91	NbyE 2	E 4	10	10	415	☼ <sup>0</sup> (mist) a. ☼ <sup>0</sup> p.
29	28.17	00	40.5	41.8	35.1	44.8	2.0	1.8	212	227	84	86	EbyN 1	E 1	10	10	615	Bright intervals a. Gloomy p.
30	28.34	28.62	40.3	36.0	34.6	42.3	0.3	2.0	243	175	88	82	SW 4	SbyW 4	10	10	278	Squally p.
31	29.07	29.39	36.0	34.4	33.3	39.9	2.0	0.6	175	187	82	94	swbys 2	Calm 0	4	0	—	☼ showers a.
Mean	29.476	29.466	34.9	35.2	31.2	39.4	1.1	1.3	186	184	87.0	85.9	1.2	1.2	9.0	8.5	4.096	

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge 3 feet 6 inches.  
Long. 0° 33' E. Lat. 52° 48' N. Gravity Correction, +.021 in.

1	29°'95	29°'92	47°'1	40°'9	40°'5	52°'4	1°'4	0°'5	289	89	96	SW	4	SW	1	8	0	17	Cloudy day. ☉ 2p. and 3p.-6p.		
2	30°'17	30°'27	41°'1	39°'9	36°'5	44°'5	1°'5	2°'2	226	202	87	NW	2	NW	2	0	8	—	Very fine.		
3	41	30°'31	31°'9	36°'8	28°'7	40°'3	1°'9	1°'0	139	199	77	N	1	SW	1	10	10	03	Cold and raw, with ☼ <sup>0</sup> (mist).		
4	06	29°'96	43°'0	48°'3	36°'3	49°'6	1°'6	0°'0	242	339	87	100	SW	3	SW	1	9	10	17	Dull, then fine. ☉ 2p. ☉ 7p. and 9p.	
5	30°'04	97	46°'2	45°'0	44°'8	48°'6	0°'7	0°'2	296	295	95	99	N	1	SW	1	10	10	45	Dull all day. ☉ all afternoon.	
6	29°'80	56	47°'1	49°'9	44°'9	49°'9	0°'1	0°'2	322	355	99	99	SE	0°'5	SW	1	10	10	19	Dull, with ☼ <sup>0</sup> (mist) a. ☉ all afternoon.	
7	55	71	47°'4	38°'7	38°'3	52°'4	0°'0	2°'1	328	194	100	82	3	E	5	10	9	01	☉ ga. Dull and cold. ☉ p.		
8	29°'82	29°'99	33°'2	29°'9	28°'5	39°'3	3°'4	1°'3	124	131	66	79	E	4	E	1	0	8	—	Cloudless greater part of day.	
9	30°'16	30°'17	32°'8	29°'6	26°'3	36°'1	2°'2	1°'0	142	137	75	83	E	2	E	0°'5	9	10	—	Cloudy, then fine.	
10	06	29°'97	31°'9	25°'6	25°'5	33°'4	1°'2	0°'0	152	139	84	100	S	0°'5	W	0°'5	10	6	08	Dull, with ☼. ☼	
11	30°'01	89	26°'1	17°'6	15°'2	31°'2	0°'4	0°'0	134	096	91	100	E	1	E	0°'5	6	0	—	☼ early a. Freezing all day.	
12	29°'74	68	27°'9	16°'2	16°'2	33°'4	1°'0	1°'2	112	143	78	82	E	0°'5	SW	1	9	10	—	Damp, dull, cold and dreary.	
13	61	44	30°'7	23°'4	21°'0	32°'7	2°'0	0°'0	123	125	73	100	SE	0°'5	SE	2	10	0	—	Cold, damp and dreary.	
14	50	59	24°'9	33°'1	19°'6	35°'0	0°'5	0°'4	116	180	87	95	SE	0°'5	NE	1	10	10	05	☼ a. and p. Cloudy and cold.	
15	79	89	27°'9	20°'9	20°'0	34°'7	0°'2	0°'2	146	104	96	93	SW	0°'5	S	0°'5	10	0	—	Dull, then fine. ☼ 2p. and 8p.	
16	84	87	31°'9	32°'4	15°'0	37°'4	2°'2	0°'7	133	168	73	89	S	0°'5	SE	2	10	6	—	Dull day. Fine sunset.	
17	89	29°'97	33°'4	36°'7	28°'4	37°'3	0°'9	1°'0	173	198	89	91	SE	2	NE	0°'5	10	8	03	Dull day. ☉ n.	
18	29°'94	30°'01	37°'5	33°'9	33°'8	40°'6	0°'6	0°'4	213	186	94	95	NE	0°'5	NE	0°'5	10	8	—	Snow gone.	
19	30°'04	05	34°'9	33°'9	30°'2	38°'3	0°'4	0°'2	195	190	96	97	E	0°'5	ESE	1	10	12	01	Dull and raw.	
20	10	10	36°'2	35°'3	33°'4	39°'2	0°'7	0°'7	199	192	94	93	E	1	E	0°'5	10	01	—	Dull and raw.	
21	22	30°'25	35°'0	33°'7	33°'0	35°'5	0°'2	1°'0	199	173	98	89	E	1	E	1	10	10	01	Dull and raw. [from 7p.	
22	30°'16	29°'95	33°'7	34°'3	32°'8	34°'5	0°'2	0°'4	188	189	97	95	SE	0°'5	SE	0°'5	10	10	08	Dull and raw. ☼ (sleet) 2p. ☉	
23	29°'96	97	34°'9	37°'0	33°'0	37°'5	0°'2	0°'4	199	212	97	96	SE	0°'5	SW	1	9	10	12	☼ <sup>0</sup> (mist) p. ☉ sunset.	
24	82	80	39°'4	31°'3	31°'0	43°'3	1°'5	0°'6	211	162	87	91	W	3	W	0°'5	10	0	—	Dull, then fine. Red and purple	
25	74	68	32°'8	30°'6	29°'4	37°'7	0°'8	0°'7	169	152	90	89	W	1	NW	0°'5	0	0	03	Very fine. Cold wind.	
26	42	37	34°'9	29°'9	24°'3	38°'4	0°'2	0°'2	199	160	97	96	SW	0°'5	NW	0°'5	10	10	02	☉ a. ☉ 2p. ☼ 7p. ☼ <sup>2</sup>	
27	35	29°'49	27°'8	26°'0	24°'0	30°'0	0°'1	0°'0	130	141	99	100	NW	0°'5	NW	0°'5	10	10	01	☼ all day. ☼ on trees.	
28	29°'45	28°'98	24°'8	40°'0	22°'9	40°'3	0°'1	0°'4	149	238	99	97	NE	2	SE	4	9	10	26	☼ <sup>2</sup> (very heavy on trees).	
29	28°'63	28°'32	44°'2	47°'7	39°'6	47°'7	1°'5	0°'5	256	318	88	96	S	4	S	4	10	15	—	Dull and milder. ☼ (gale) at night.	
30	28°'79	29°'11	42°'0	35°'8	35°'3	48°'4	2°'4	1°'1	217	288	81	90	S	6	SW	2	1	0	—	Very fine. Clear evening.	
31	29°'48	29°'71	33°'4	37°'8	33°'0	41°'3	0°'9	0°'0	173	207	89	91	SW	1	SSW	1	0	10	—	Very fine and pleasant. Angry sunset.	
Mean	29°'790	29°'772	35°'4	34°'4	29°'9	40°'0	1°'0	0°'6	190	192	88°'8	92°'8	1°'6	1°'3	8°'1	7°'2	1°'88				

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

Day.	Barometer at 32° Fah.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	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.	°	°	°	54°·5	°	°	in.	in.	%	%				ins.		
1	29°·40	29°·51	52°·7	40°·6	39°·4	54°·5	1°·9	1°·1	°·346	°·230	87	91	SW 3	SSE 2	9	3	°·150	Rough day, with ☁.
2	°·75	°·89	40°·8	30°·8	30°·2	45°·3	1°·9	1°·9	°·216	°·127	85	74	W 1	NW 1	8	0	—	Cloudy day.
3	°·90	°·79	34°·4	40°·8	27°·2	41°·2	0°·7	0°·9	°·184	°·236	92	93	R 2	E 1	10	10	°·060	Cloudy and sharp.
4	°·61	°·57	48°·4	50°·9	40°·8	53°·5	2°·5	0°·9	°·279	°·349	82	94	WNW 2	SW 2	3	10	°·066	Bright day.
5	°·55	°·44	51°·4	47°·4	47°·0	52°·1	0°·9	0°·5	°·356	°·515	94	96	SW 1	Calm 0	10	10	°·122	Cloudy and mild.
6	°·24	°·07	49°·9	41°·4	41°·0	53°·4	0°·9	0°·5	°·335	°·250	94	96	SW 1	SW 1	10	10	°·010	Cloudy, with ☁.
7	°·07	°·19	35°·8	41°·2	33°·5	43°·5	0°·9	0°·3	°·192	°·252	92	98	SE 1	SE 2	8	10	°·140	Raw and damp.
8	°·29	°·52	33°·4	29°·7	29°·3	42°·3	1°·1	1°·4	°·168	°·127	87	77	E 1	E 2	10	10	—	Dull, with cold wind.
9	°·63	°·61	24°·1	27°·9	23°·6	30°·5	0°·9	0°·4	°·095	°·104	75	88	SE 1	E 2	3	1	—	☁☁☁ Sharp and still. Cold wind.
10	°·49	°·53	23°·8	22°·3	21°·9	31°·9	0°·9	0°·4	°·095	°·104	75	88	SE 1	E 2	3	1	—	☁☁☁ Bright and sharp.
11	°·61	°·58	19°·5	27°·3	16°·8	29°·0	0°·6	0°·4	°·084	°·136	80	91	E 1	SE 4	8	10	°·220	☁☁☁ Bitter wind.
12	29°·11	29°·19	32°·9	31°·4	27°·0	34°·0	0°·6	0°·3	°·174	°·169	92	95	E 1	E 1	10	10	—	☁☁☁ Cloudy and threatening.
13	28°·90	28°·88	29°·9	24°·4	23°·2	33°·5	0°·2	0°·5	°·160	°·113	96	86	E 2	E 1	8	4	—	☁☁☁ Bright and sharp.
14	29°·07	29°·21	12°·9	12°·9	11°·2	26°·5	0°·2	1°·0	°·071	°·052	92	82	NW 1	SE 1	8	4	—	☁☁☁ Bright and sharp.
15	°·33	°·28	13°·9	28°·9	10°·4	29°·2	0°·8	1°·0	°·059	°·130	73	82	SW 1	E 2	0	8	—	☁☁☁ Milder, snow going.
16	°·18	°·20	35°·4	35°·8	24°·8	40°·2	1°·3	2°·0	°·182	°·172	87	82	SE 2	SE 1	10	9	—	☁☁☁ Cold and raw.
17	°·39	°·51	25°·8	29°·9	25°·8	37°·0	0°·9	0°·5	°·109	°·152	78	92	E 2	E 1	10	10	—	☁☁☁
18	°·53	°·54	31°·9	33°·5	29°·1	34°·4	0°·6	0°·6	°·166	°·179	91	93	Calm 0	Calm 0	10	10	°·020	☁☁☁ Dull and raw.
19	°·55	°·62	35°·3	33°·9	33°·0	35°·9	0°·6	1°·0	°·182	°·174	93	89	E 2	E 1	10	10	°·020	Dull and cold, with ☁☁☁ (mist).
20	°·55	°·66	33°·9	33°·9	32°·5	34°·9	0°·6	1°·0	°·182	°·174	93	89	SE 1	E 2	10	10	°·600	Dull, raw, and cold. ☁ at night.
21	°·72	°·69	34°·7	33°·7	33°·0	35°·8	0°·8	0°·8	°·185	°·176	92	91	SE 1	E 2	10	10	°·059	☁☁☁
22	°·57	°·43	32°·9	32°·9	32°·9	34°·9	0°·6	0°·0	°·174	°·187	92	100	Calm 0	Calm 0	10	10	°·070	☁☁☁
23	°·47	°·38	34°·1	39°·3	32°·9	39°·5	0°·2	1°·0	°·193	°·220	97	91	Calm 0	SW 1	10	10	°·020	Hills clear. Bright α.
24	°·43	°·34	37°·1	35°·7	34°·0	40°·3	1°·6	0°·6	°·197	°·201	89	96	WNW 1	SW 1	8	9	°·110	☁☁☁ Bright α. ☁☁ (sleet).
25	29°·34	29°·20	36°·7	35°·7	30°·3	41°·9	1°·6	0°·6	°·186	°·197	86	94	W 1	SW 1	4	2	°·110	☁☁☁ Cloudy and cool. ☁
26	28°·93	28°·88	36°·9	25°·9	25°·0	38°·9	1°·0	0°·6	°·199	°·119	91	85	W 1	Calm 0	9	0	—	☁☁☁
27	°·87	°·99	22°·9	21°·1	19°·2	36°·2	0°·4	0°·2	°·108	°·105	88	93	NW 1	E 1	3	10	—	☁☁☁
28	28°·78	28°·22	29°·1	40°·0	21°·1	40°·0	0°·2	0°·1	°·154	°·245	96	99	E 2	SSW 2	10	9	1°·120	Drifting ☁. ☁☁
29	27°·87	27°·90	43°·8	41°·8	40°·0	46°·0	0°·5	0°·9	°·274	°·245	96	99	SE 5	SW 5	10	10	°·520	Stormy, with ☁.
30	28°·31	28°·65	38°·8	36°·7	35°·0	43°·5	1°·1	2°·0	°·214	°·179	90	82	SW 2	WNW 2	8	0	°·040	☁☁☁
31	28°·98	29°·21	34°·7	34°·1	31°·0	40°·2	1°·8	0°·2	°·166	°·193	82	97	SSW 2	SSW 1	9	0	°·010	☁☁☁
Mean	29°·268	29°·273	33°·8	33°·6	29°·1	39°·5	0°·9	0°·8	°·184	°·181	88°·7	88°·9	1°·4	1°·5	8°·3	6°·5	3°·348	

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 9½ inches.  
Long. 0° 6' E. Lat. 52° 13' N. Gravity Correction, +.019 in.

1	29°99	30°01	48°3	42°3	41°2	55°2	2°2	0°7	'284	'253	85	95	SW 4	SW 4	10	0	—	'157	4p-7p.
2	30°24	'37	38°1	33°9	32°9	47°2	0°9	1°1	'211	'173	82	88	NW 1	N 1	0	0	—	—	—
3	'45	'35	27°7	37°4	25°7	38°0	0°0	1°1	'151	'202	100	91	Calm 0	W 1	0	0	—	'004	—
4	'14	30°04	44°0	48°1	36°0	51°7	2°2	0°4	'240	'326	83	97	SW 4	SW 4	10	10	—	'238	—
5	30°07	29°98	49°0	50°0	46°4	50°8	0°2	0°0	'343	'361	99	100	Calm 0	Calm 0	10	10	—	'353	—
6	29°84	'58	47°7	52°4	46°0	53°6	0°2	0°0	'326	'394	99	100	Calm 0	Calm 0	10	10	—	'140	—
7	'56	29°69	42°3	41°3	40°1	53°8	0°0	0°7	'270	'245	100	95	Calm 0	ESE 4	10	10	—	'030	—
8	'82	30°03	38°8	29°6	27°1	42°0	1°1	0°6	'154	'148	85	90	E 2	E 1	0	10	—	—	—
9	30°18	'19	31°9	31°8	28°0	36°7	0°9	1°5	'159	'146	88	80	Calm 0	ESE 1	10	10	—	—	—
10	'08	30°00	31°4	32°2	29°8	34°3	0°3	0°0	'170	'183	96	100	Calm 0	NW 1	10	10	—	'006	—
11	30°05	29°92	28°0	22°5	20°8	33°6	0°0	0°0	'153	'121	100	100	Calm 0	Calm 0	10	10	—	—	—
12	29°74	'76	31°6	31°3	21°0	33°0	1°2	0°1	'150	'174	83	99	Calm 0	Calm 0	10	10	—	'050	—
13	'57	'45	30°3	25°3	24°0	35°0	0°2	0°2	'164	'130	97	95	SSE 3	Calm 0	10	5	—	—	—
14	'53	'64	20°1	30°2	19°3	31°2	0°0	0°1	'109	'166	100	99	N 1	NNW 1	0	10	—	—	—
15	'85	'91	27°0	22°4	21°3	31°3	0°0	0°0	'147	'120	100	100	Calm 0	Calm 0	10	10	—	—	—
16	'84	'84	31°1	30°2	17°0	38°0	0°0	0°4	'175	'157	100	94	Calm 0	ESE 2	10	0	—	—	—
17	'90	29°95	31°0	34°1	26°3	35°0	0°5	0°8	'161	'181	92	91	Calm 0	N 1	10	10	—	'c22	—
18	29°99	30°05	35°0	35°1	26°4	38°6	0°1	0°0	'202	'204	99	100	Calm 0	Calm 0	10	10	—	'010	—
19	30°09	'09	35°0	35°7	33°3	39°9	0°1	0°6	'202	'197	99	94	Calm 0	Calm 0	10	10	—	—	—
20	'11	'15	36°1	36°2	33°3	39°0	0°7	0°2	'200	'210	94	98	Calm 0	Calm 0	10	10	—	—	—
21	'25	30°27	35°2	34°7	33°1	37°6	0°3	0°7	'200	'188	97	93	Calm 0	E 1	10	10	—	—	—
22	'17	29°99	32°9	33°3	31°4	36°0	0°2	0°4	'183	'190	98	96	E 2	SSE 1	10	10	—	—	—
23	30°00	30°01	35°3	36°7	32°9	41°3	0°2	0°1	'203	'216	98	99	Calm 0	Calm 0	10	10	—	'088	—
24	29°90	29°87	39°0	33°6	32°3	46°0	0°6	0°6	'226	'181	95	93	SW 1	SW 1	10	10	—	—	—
25	'80	'76	34°0	32°0	30°8	42°4	0°7	0°7	'182	'165	92	91	Calm 0	NW 2	0	0	—	'045	—
26	'48	'39	35°3	32°0	30°1	41°1	0°2	0°1	'202	'180	97	99	Calm 0	Calm 0	10	10	—	'020	—
27	'39	29°53	25°9	26°0	24°0	32°7	0°0	0°0	'140	'141	100	100	Calm 0	Calm 0	10	10	—	—	—
28	29°43	28°95	30°1	40°8	22°1	41°2	1°0	0°3	'142	'248	84	88	Calm 0	SE 4	10	10	—	'180	—
29	28°61	28°36	47°1	48°1	39°4	49°8	2°1	2°6	'274	'276	85	82	S 5	S 7	10	10	—	'148	—
30	28°89	29°15	44°2	35°1	33°9	49°3	3°6	0°8	'214	'189	74	92	SW 8	SW 2	0	0	—	—	—
31	29°53	29°78	33°0	36°3	31°0	45°7	0°9	0°6	'169	'203	90	95	Calm 0	SW 1	0	0	—	—	—
Mean	29°822	29°808	35°1	35°2	30°4	41°2	0°7	0°5	'197	'202	93°6	95°0	1°0	1°2	7°7	7°9	1°491	—	—



## ST. DAVID'S, PEMBROKE.—DECEMBER 1899.

Height above Mean Sea Level, 215 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 5° 16' W. Lat. 51° 53' N. Gravity Correction, +018 in.

Day.	Barometer at 32° Fahr.		Air Temperature.					Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	Dep. of Wet.		Vapour Tension.		Percentage.		9 a.m.	9 p.m.	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°5	46°5	45°4	54°8	0°0	0°9	in.	in.	%	%	SSW 6	NW 4	10	3	ins.	● a. and p.
2	29°79	29°98	53°5	46°5	45°4	54°8	0°0	0°9	411	295	100	93	SSW 6	NW 4	10	3	404	
3	30°18	30°21	46°0	41°9	40°4	49°2	2°0	1°6	265	233	86	88	NNW 2	NNE 2	8	2	002	
4	30°13	30°13	45°7	49°5	38°0	50°3	2°0	3°0	262	281	86	80	SE 2	SSW 6	9	10	001	
5	30°03	29°98	51°7	52°6	49°2	53°5	1°1	0°3	355	389	92	98	SW 4	SW 4	8	10	180	Sunny a. ● 3p.-8p.
6	29°94	78	51°6	52°5	51°3	53°4	0°3	1°2	374	362	92	91	WSW 3	SW 5	10	10	242	Overcast, with ●.
7	55	42	54°5	47°5	47°1	55°2	0°0	1°0	426	304	100	93	SSW 4	SW 4	10	8	220	☼ (mist) ● showers.
8	56	78	42°1	44°5	37°2	45°4	1°3	1°8	240	253	90	87	ESE 3	ENE 2	5	4	004	Fine and sunny.
9	97	92	33°5	34°5	30°5	45°7	1°2	2°0	167	161	87	80	E 3	NE 4	10	10	388	Squally p.
10	71	83	40°3	33°4	32°6	41°2	2°8	2°9	195	134	78	70	ESE 4	SE 4	10	7	004	Sunny intervals p.
11	87	47	33°5	41°5	32°1	41°8	2°0	0°5	152	251	79	96	SE 3	SE 7	10	10	435	Overcast and gloomy.
12	51	55	44°5	35°5	35°2	45°9	2°9	1°2	231	185	78	89	ENE 3	WNW 2	6	6	060	Gloomy a. Squally ● p.
13	22	66	35°5	34°1	33°8	38°4	1°0	1°6	189	165	91	83	ENE 3	ESE 6	10	10	005	Squally (gale) till 5a. Sunny p.
14	38	53	29°5	29°5	28°2	34°5	1°0	2°0	136	112	83	69	ESE 4	ESE 2	8	8	—	Sunny intervals.
15	66	57	31°5	45°5	28°0	46°2	3°0	4°0	113	220	64	72	ESE 2	SSW 5	0	9	004	Bright and frosty.
16	39	36	46°6	43°8	43°1	48°7	0°1	0°8	316	267	100	94	SSE 6	S 7	10	10	150	Squally (gale) ☼.
17	59	82	32°0	28°7	25°2	45°8	2°3	1°7	131	111	72	71	E 5	E 3	5	10	005	Bright and frosty.
18	85	84	36°3	38°4	27°9	43°9	2°3	1°5	172	202	80	88	NE 2	ENE 2	10	9	—	Sunny p.
19	81	79	41°5	41°4	37°5	43°2	0°8	0°9	245	242	94	93	ESE 5	ESE 4	10	8	050	Overcast, with ☼ (mist).
20	81	92	41°5	39°7	39°5	42°8	0°6	1°2	250	220	95	90	ESE 5	E 4	10	5	040	Overcast, with ☼.
21	98	98	36°0	36°3	34°8	40°5	1°5	1°1	184	194	87	91	ESE 6	ESE 5	10	10	060	Overcast, with frequent ● showers.
22	85	76	38°0	41°5	35°6	41°7	0°5	1°0	218	241	96	92	E 4	ESE 3	10	10	042	Frequent ● showers.
23	83	75	39°6	45°5	39°1	49°2	0°2	0°0	240	305	98	100	NE 2	NW 3	6	6	126	☼ showers.
24	80	73	42°7	43°0	42°2	48°3	2°2	0°5	228	266	84	96	Calm 0	NW 3	5	3	128	☼ showers.
25	78	63	41°5	43°5	40°7	45°4	2°5	2°5	211	229	81	80	NW 5	NW 4	4	10	065	Sunny day.
26	35	25	41°1	35°5	31°4	45°0	1°6	1°0	224	185	87	91	NW 4	Calm 0	10	10	090	☼ p.
27	29°75	29°25	32°7	31°5	31°0	38°5	1°8	1°2	148	149	80	83	ENE 2	ENE 4	5	10	060	☼ showers early a. Sunny day.
28	28°85	28°47	38°5	43°5	30°2	44°8	1°2	0°2	209	278	90	98	ESE 8	SSE 7	10	10	775	Squally ☼. [showers.]
29	07	32	47°1	42°2	42°1	48°8	0°4	0°5	315	258	97	96	SSE 4	WNW 6	9	10	385	Squally (gale) n. Frequent ●
30	28°73	28°92	43°5	41°5	39°0	45°9	3°6	4°0	208	186	74	72	W 6	WNW 5	5	3	050	Sunny 2p.-4p. ☼ 7p.
31	29°30	29°45	40°9	44°5	36°3	47°4	0°9	0°2	236	288	93	98	SSW 4	ESE 4	10	4	045	☼ showers a. Sunny p.
Mean	29°586	29°578	41°4	41°0	36°9	46°0	1°4	1°4	239	233	87°7	87°6	3°9	4°0	8°2	7°8	4°020	

## WOOLACOMBE.—DECEMBER 1899.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 4° 12' W. Lat. 51° 10' N. Gravity Correction, +016 in.

1	30°04	30°14	53.8	49.6	47.8	55.0	1.8	2.9	364	284	88	80	S	3	NW	3	9	4	28	Dull all day.
2	30.14	30.14	47.6	43.8	42.4	49.8	3.7	2.7	245	228	74	80	NE	2	NE	3	5	5	—	Fine and sunny.
3	30.14	30.14	44.6	43.8	38.8	47.2	1.9	1.3	252	256	86	89	SE	3	SE	1	8	3	—	∞ all day.
4	30.17	47.8	53.8	42.6	53.8	1.5	1.0	295	385	89	93	SE	1	SW	2	1	10	10	02	Fine and sunny.
5	30.13	29.97	52.8	51.0	50.2	54.0	0.6	1.8	382	328	96	88	SW	2	SE	3	10	10	03	Dull day.
6	29.77	61	55.6	51.8	51.0	57.6	0.8	2.0	418	333	94	86	SE	3	SW	2	10	2	06	Dull day.
7	55	64	47.2	46.0	44.0	52.4	1.5	1.1	288	285	88	92	E	1	E	2	3	3	—	☾ Ground sea noon.
8	29.73	29.97	42.2	35.2	35.0	48.4	1.3	0.7	240	191	89	93	E	2	E	2	10	9	19	☼ (sleet.) Dull day. [Very fine.
9	30.15	30.09	32.2	32.0	29.8	35.8	1.9	2.1	141	136	77	75	E	2	E	3	2	0	—	Slight frost, little ice on ground.
10	29.91	29.99	35.4	32.4	31.2	36.4	3.1	1.1	150	159	72	86	SE	4	SE	3	8	3	—	☼ 7p. Dull day.
11	30.06	72	33.6	34.8	30.2	36.8	0.9	0.7	174	188	90	93	NE	2	SE	5	7	10	76	Ground sea all day. ☼ p.
12	29.67	68	42.8	40.0	33.8	45.2	0.9	1.3	255	220	93	89	NE	2	E	1	10	10	—	
13	38	27	36.8	35.4	34.2	40.8	1.3	1.7	193	174	88	84	E	1	E	4	7	7	—	
14	53	71	30.8	28.6	26.2	36.0	0.9	1.1	149	124	87	79	E	3	E	2	6	7	—	Ground sea a.
15	84	80	29.2	37.8	25.4	38.4	1.1	2.7	130	176	81	78	E	3	SE	3	1	6	—	
16	63	55	44.8	43.0	37.0	46.2	2.7	2.1	238	232	80	84	SE	5	S	3	4	6	02	∞ noon. Fine day.
17	29.76	29.95	34.8	35.2	31.0	43.2	1.7	1.5	169	176	83	85	NE	5	NE	2	6	8	—	∞ all day.
18	30.01	30.00	39.0	38.0	35.0	42.0	2.1	2.3	197	185	82	81	NE	4	E	3	6	2	—	∞ all day. ☾ 10.30a.
19	02	29.97	41.0	42.0	35.8	42.6	2.3	1.9	210	227	82	85	E	3	E	3	10	10	—	Dull day.
20	00	30.09	43.6	42.0	41.2	44.8	1.3	0.7	254	251	89	95	E	3	E	1	10	10	—	Dull day.
21	17	30.14	37.8	39.0	35.0	42.0	1.5	2.3	197	193	87	81	E	3	SE	4	8	10	08	Dull day.
22	01	29.89	41.4	43.4	38.4	45.6	1.3	1.1	233	257	89	91	E	4	SE	2	9	6	—	Dull day.
23	30.03	97	42.6	48.8	39.6	49.4	1.9	1.5	232	307	85	89	E	1	S	3	3	10	03	Fine day.
24	29.96	86	47.4	46.6	45.0	49.2	2.5	1.5	268	281	82	89	S	1	NE	1	8	10	22	Dull day.
25	95	76	44.8	45.0	41.8	46.8	2.9	2.1	233	252	79	84	NW	3	W	2	7	3	27	Visibility. ☴
26	51	40	44.8	38.0	36.8	47.0	1.7	2.5	258	182	77	79	SW	4	N	1	10	2	16	Visibility. Overcast day.
27	42	29.39	33.0	34.2	30.8	40.4	2.5	4.9	138	112	72	57	E	1	E	4	1	0	05	Very fine and sunny.
28	29.01	28.66	47.6	46.8	33.6	47.8	1.9	0.9	284	298	86	93	E	4	SE	4	10	10	65	☾ sp. and all night.
29	28.29	28.55	49.4	47.0	44.8	50.8	2.1	1.3	299	292	85	90	SE	3	W	6	8	10	35	☾ a. ☴ (force 8) n.
30	28.98	29.21	42.6	43.8	39.8	48.0	2.5	3.5	221	214	81	75	SW	5	SW	4	6	3	09	☴ a.
31	29.54	29.65	39.8	43.8	36.4	49.2	1.3	2.3	218	235	89	83	SE	2	SE	3	6	1	02	Fine and sunny.
Mean	29.774	29.758	42.2	41.7	37.6	45.9	1.8	1.8	236	231	84.8	84.7	2.7	2.7	2.7	6.7	6.1	3.28		

## SOUTHAMPTON.—DECEMBER 1899.

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

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.				
1	ins.	ins.	50.3	48.0	46.9	56.6	2.7	0.9	297	312	82	94	W 2	NW 3	10	10	ins. 1.132	☉ 5p-9p.
2	30.10	30.05	50.3	48.0	46.9	56.6	2.7	0.9	297	312	82	94	NW 2	NW 0.5	0	0	—	☉ a. Beautiful day. ☼ D. 5p.
3	31	39	37.7	37.0	36.1	49.4	0.7	0.8	212	204	94	93	N 0.1	SW 2	10	10	—	☉ a. Dull and raw with ☼.
4	46	38	30.0	44.9	28.4	45.7	0.2	2.6	161	240	97	81	N	SW 1.5	10	10	1.080	☉ 8p-10p.
5	25	15	44.9	47.0	42.2	51.1	0.4	0.8	349	329	98	94	SW 1.5	SW 0.5	10	10	1.020	Damp ☼ a. ☉ p.
6	30.12	30.02	49.0	49.1	46.6	53.2	0.6	0.5	372	410	96	97	S 2	SW 2.5	10	10	1.000	Damp ☼ a. ☉ most of day.
7	29.86	29.63	52.0	54.4	48.7	56.3	0.6	0.5	372	410	96	97	NE 1	NE 3	10	10	—	☉ a. Bright midday. Dull p.
8	55	59	38.9	46.3	39.6	55.6	0.4	0.4	237	305	97	97	NE 1	NE 1.5	10	0	—	Dry and cold.
9	29.73	29.97	36.3	30.0	29.5	47.7	1.7	0.3	179	158	84	95	NE 3	NE 1.5	10	0	—	☉ a. Beautiful day. ☼ p.
10	30.14	30.17	30.7	29.8	26.2	37.2	2.7	1.2	143	131	76	81	E 1	NE 1	9	7	—	☉ a. ☼ a. Dull and cold.
11	05	30.01	33.0	29.5	28.5	35.1	2.2	1.2	143	131	76	81	E 1	NE 1	10	10	1.210	☉ a. ☼ a. Dry and cold. ☉ n.
12	30.05	29.91	27.6	26.6	25.7	33.4	0.0	0.4	151	131	100	92	SSE 1.5	SE 1.5	10	10	1.045	☉ in past n., then ☉.
13	29.70	72	36.3	35.8	26.6	38.3	0.9	0.9	198	195	93	93	SE 4	E 2	10	1	—	Dull and cold. ☼ 9p.
14	49	34	36.7	29.4	29.0	40.0	2.7	1.2	175	130	78	81	SE 4	E 2	10	1	—	☉ a. and n. Bright and cold.
15	51	69	23.0	22.3	21.7	31.0	0.2	0.1	115	116	94	97	NE 1.5	NE 0.5	1	0	—	☉ a. Fine but cold. ☉ n.
16	86	89	21.9	28.6	20.9	34.2	0.0	0.8	118	133	100	85	Calm 0	NE 1	0	0	1.008	☉ a. Fine but cold. ☉ n.
17	81	75	39.9	38.9	28.2	44.5	2.8	3.6	192	170	78	72	S 2.5	SE 3	0	0	—	☉ a. Fine day. Large ☼ 6p.
18	86	29.93	27.4	33.7	26.9	40.5	0.7	0.9	128	175	86	90	NE 1.5	NE 1	10	10	1.015	☉ a. ☼ from 8p.
19	29.99	30.02	35.6	36.5	33.3	39.6	0.6	0.4	197	208	95	96	NE 1.5	NE 1	10	10	—	Dull and dry.
20	30.06	04	36.0	33.8	32.7	38.6	1.0	0.8	193	178	91	91	ENE 2	ENE 1.5	10	10	1.012	☉ a. ☉ a.
21	07	13	35.4	36.1	33.4	40.0	0.8	1.0	192	194	93	91	E 2	E 2.5	10	10	—	☉ a. Dull all day.
22	22	30.22	36.2	37.0	35.6	38.8	1.1	1.2	193	196	90	89	E 2.5	E 2	10	10	1.093	☉ 9a-4p.
23	30.12	29.94	36.2	39.5	35.2	43.3	0.5	0.5	204	232	95	96	E 2.5	E 2	10	10	1.020	☉ a. Dull day.
24	29.98	38.04	37.6	40.1	37.1	42.9	0.5	0.8	215	231	96	93	NE 1	SW 0.5	10	10	1.120	☉ a. Dull and damp. ☉ from 8p.
25	09	29.88	42.0	43.6	39.6	48.6	0.7	0.9	252	263	94	93	W 0.5	SW 2	10	10	1.008	☉ a. and p. Beautiful day.
26	54	84	36.0	35.2	34.6	45.3	0.8	0.9	197	188	93	91	NW 1	NW 0.5	0	0	1.072	Dull and damp a. ☉ 2p-6p.
27	40	29.50	30.1	25.0	37.5	0.3	0.0	159	135	96	100	N 1	NE 1.5	10	10	1.085	☉ early a. and p.	
28	29.27	28.87	42.9	47.6	24.8	48.5	0.6	2.0	263	282	95	86	SE 4.5	S 5	10	0	1.265	(gale) ☉.
29	28.54	28.55	48.8	48.5	46.1	50.7	2.8	3.3	278	263	80	77	S 7	SW 6.5	10	0	1.253	☉ showers p.
30	29.04	29.21	45.2	38.9	39.0	50.1	4.1	1.1	215	216	72	92	W 4.5	SW 2	1	0	1.030	☉ a. and p. Beautiful day.
31	29.59	29.76	36.9	38.8	33.3	49.2	0.9	0.8	201	220	92	94	SW 0.5	N 0.5	1	0	1.012	
Mean	29.823	29.805	37.3	37.7	33.4	44.1	1.1	1.1	207	211	90.5	90.0	1.9	1.8	7.6	6.1	1.588	



## ARMAGH.—DECEMBER 1899.

Height above Mean Sea Level, 196 feet. Heights above Ground:—Bar., 6 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 39' W. Lat. 54° 21' N. Gravity Correction, +0.25 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Tension.		Percentage.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	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.	%	%	WSW 2	W 3	10	7	ins.	
1	29.76	29.98	44.0	37.1	37.1	52.1	1.3	1.0	.259	.201	90	91	WSW 2	W 3	10	7	—	
2	30.21	30.22	36.7	33.2	33.2	52.1	0.7	0.2	.204	.186	93	98	WSW 2	SW 1	3	0	.060	
3	30.10	29.94	43.4	49.0	32.9	49.0	1.2	0.5	.255	.335	91	97	S 3	SSW 4	10	10	.272	
4	29.86	.87	50.7	52.4	46.9	52.4	0.9	0.0	.348	.394	94	100	SSW 4	SW 2	10	10	.212	
5	.84	.64	51.2	50.9	49.4	52.4	1.4	1.6	.340	.333	91	89	S 2	S 3	10	10	.050	
6	.45	.33	54.2	45.0	44.9	54.2	0.5	0.2	.406	.294	97	98	SSE 2	SW 3	10	0	.196	
7	.47	.53	35.7	34.9	34.0	45.0	0.0	0.0	.209	.203	100	100	SSW 0.5	S 1	10	10	.065	
8	29.63	.84	40.6	39.2	34.0	42.8	0.2	0.4	.249	.232	98	96	SSW 1	NNW 3	10	2	.120	
9	30.00	.82	33.8	39.5	32.8	41.2	0.0	2.3	.194	.198	100	82	N 0.5	SSE 4	10	9	.026	
10	29.68	.82	40.4	38.3	37.3	42.5	0.8	0.6	.235	.219	94	95	SSE 5	S 2	10	10	.080	
11	.81	.29	38.6	40.0	34.5	43.0	1.0	0.2	.215	.243	92	98	SSE 3	SSE 6	10	10	.254	
12	.60	.55	35.6	33.2	32.0	42.3	0.7	0.2	.197	.186	94	98	NW 1	W 0.5	0	3	—	
13	.16	.14	38.6	37.2	31.0	39.0	1.0	1.1	.215	.200	92	90	SE 2	E 2	10	10	.013	
14	.40	.52	36.3	34.8	33.9	39.7	0.6	0.9	.203	.184	95	92	SE 1	SE 2	10	9	—	
15	.58	.40	34.0	40.0	25.0	40.0	1.0	1.2	.176	.222	89	90	S 3	S 4	4	10	—	
16	.21	.29	48.3	48.6	38.2	50.1	1.6	0.6	.299	.327	89	96	SSE 5	SE 6	10	10	—	
17	.70	.85	39.4	34.2	31.2	48.6	2.4	1.0	.195	.178	81	89	ESE 2	E 1	10	10	—	
18	.87	.77	34.6	41.0	30.4	41.5	1.8	1.4	.165	.227	82	89	S 2	SSE 3	3	10	.025	
19	.70	.78	45.0	43.1	39.8	45.0	0.4	0.4	.289	.269	97	97	SSE 4	SSE 3	10	10	.448	
20	29.85	29.96	43.8	43.2	41.7	44.6	0.0	0.2	.286	.275	100	98	E 1	ESE 2	10	10	.105	
21	30.05	30.05	41.0	40.7	40.3	43.8	1.0	1.4	.235	.224	92	88	E 1	ENE 2	10	10	.025	
22	29.92	29.79	38.0	37.6	37.2	43.0	0.2	0.0	.224	.225	98	100	E 1	ENE 0.5	10	10	—	
23	.73	.69	42.8	39.4	36.7	45.8	0.0	0.1	.275	.240	100	99	S 3	WNW 2	10	0	.270	
24	.70	.71	37.0	35.7	34.4	43.8	0.6	0.8	.208	.196	95	93	SSW 3	SSW 2	0	0	.040	
25	.69	.49	34.1	35.5	32.0	36.3	0.7	0.4	.183	.200	92	96	SW 3	SW 3	1	5	.100	
26	.35	.28	32.2	29.5	28.5	38.2	0.3	0.1	.177	.161	97	98	WNW 2	W 1	0	0	—	
27	.29	.34	25.9	27.9	23.8	30.7	0.0	0.0	.140	.152	100	100	W 0.5	W 1	4	5	—	
28	29.13	28.65	33.8	33.8	23.8	35.2	0.6	0.0	.182	.194	93	100	NE 3	NE 3	10	10	.420	
29	28.26	.23	38.1	37.0	33.3	38.7	0.0	0.0	.229	.220	100	100	NNE 3	NW 2	10	10	.100	
30	28.47	28.75	37.6	39.0	34.0	39.4	0.5	2.4	.215	.192	96	81	SW 4	WSW 3	10	10	.290	
31	29.22	29.49	33.5	31.2	30.6	39.7	1.4	0.0	.164	.176	85	100	SSW 3	SSW 1	0	10	.250	
Mean	29.570	29.548	39.3	38.8	34.7	43.6	0.7	0.6	.231	.229	93.8	94.8	2.3	2.5	7.6	7.4	3.421	

## MARKREE CASTLE.—DECEMBER 1899.

Height above Mean Sea Level, 122 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 8° 27' W. Lat. 54° 11' N. Gravity Correction, +0.24 in.

1	29.85	30.08	44.8	44.4	42.5	53.2	1.3	4.1	267	208	90	71	N 0.5	NNE 2	8	6	0.03	☉ showers.
2	30.26	30.23	39.9	38.8	36.5	46.6	1.0	0.8	226	220	92	94	N 0.5	SSE 1	10	10	0.19	Dull day.
3	30.10	29.99	43.0	50.0	37.9	50.2	0.7	1.6	262	319	94	89	SE 2	SSE 2	10	10	0.24	Rainy day.
4	29.91	29.94	51.7	53.9	49.7	54.3	0.7	0.5	365	401	95	96	SSW 2	S 1	10	10	0.15	
5	29.87	29.87	49.9	50.7	49.4	53.9	1.1	1.7	331	326	93	88	SE 1	S 3	10	10	0.03	
6	29.44	29.39	53.7	43.8	43.3	54.3	1.0	0.8	384	267	93	94	SE 2	S 1	10	8	0.05	
7	29.48	29.55	36.3	34.3	32.7	43.9	0.2	0.2	211	195	98	98	Calm 0	SE 2	10	10	0.23	☁ all day. ☉ at night.
8	29.71	29.66	42.4	37.6	32.8	46.9	1.1	1.5	248	196	91	87	NNW 4	N 0.5	10	1	0.01	
9	30.03	29.78	33.3	39.3	25.6	39.9	1.4	1.5	162	211	85	88	SE 1	SSE 5	10	10	0.24	☁ (mist) a.
10	29.62	29.82	41.7	39.3	38.2	42.3	0.9	0.9	246	223	93	93	ESE 4	ESE 4	10	10	0.25	
11	29.77	29.35	38.0	45.0	37.6	45.3	0.5	1.3	218	268	96	90	SE 3	NE 3	10	10	0.42	☁ all day.
12	29.69	29.57	39.0	29.8	29.8	46.2	1.3	0.2	212	160	90	97	Calm 0	Calm 0	8	8	—	
13	29.14	29.15	34.7	39.2	29.8	39.8	1.5	1.0	172	220	85	92	ESE 3	SE 0.5	10	10	0.30	
14	29.44	29.57	34.6	33.8	31.8	39.6	0.4	0.4	193	186	96	96	Calm 0	SE 0.5	10	10	0.02	
15	29.60	29.38	32.7	44.0	28.6	44.2	1.1	1.3	163	259	87	90	SSE 2	ESE 4	10	10	0.06	
16	29.14	29.22	49.0	50.6	43.6	51.9	1.3	1.7	315	326	91	88	SE 5	SE 6	10	10	0.02	Gloomy day, with ☁.
17	29.70	29.89	40.2	31.3	29.5	50.6	2.9	0.9	192	154	77	87	SE 1	SE 0.5	4	3	—	Fine day.
18	29.88	29.77	28.8	39.4	24.7	39.5	0.6	1.4	141	214	89	89	SSE 0.5	SE 3	1	10	0.21	
19	29.67	29.79	45.3	42.6	38.7	45.5	1.1	0.4	277	264	92	97	S 3	Calm 0	10	10	1.03	☁ all day.
20	29.86	29.99	41.3	42.3	40.3	44.4	0.5	0.5	250	260	96	96	SE 0.5	Calm 0	8	10	0.06	
21	30.05	30.05	43.4	40.6	40.1	45.2	0.9	1.9	262	214	93	86	E 1	ESE 3	10	10	0.08	
22	29.95	29.83	38.8	35.5	33.5	40.9	0.9	0.5	219	198	93	95	ESE 1	Calm 0	9	10	—	
23	29.74	29.78	42.9	39.8	35.5	46.2	0.2	1.5	272	215	98	88	S 2	S 0.5	1	10	0.38	Very wet day. [intervals.
24	29.74	29.80	35.4	37.2	31.7	45.8	0.7	2.0	194	184	94	83	S 1	S 2	9	2	0.30	☁ (sleet) ☁ showers. Bright
25	29.78	29.57	35.6	36.8	33.4	41.3	0.9	0.9	193	201	92	93	SSW 1	S 1	10	9	0.40	☁ (sleet) ☁ showers.
26	29.43	29.34	31.2	28.0	26.0	40.2	0.5	0.2	163	146	93	95	Calm 0	Calm 0	7	1	0.01	☁ showers a.
27	29.34	29.36	21.8	25.6	19.4	35.9	0.1	0.5	114	122	97	88	Calm 0	Calm 0	0	1	—	Fine day.
28	29.10	28.65	34.4	33.8	25.6	35.3	2.5	0.3	151	188	76	97	E 5	E 5	10	10	0.26	Cold ☁. ☁ p.
29	28.35	28.36	37.8	40.5	33.5	40.7	1.1	1.2	206	226	91	90	NE 1	NE 1	10	10	0.62	☁ at night.
30	28.61	28.88	37.3	37.6	33.5	41.9	0.6	3.3	211	165	95	73	SSW 4	SW 4	10	3	0.46	☁ early a.
31	29.29	29.51	31.7	31.0	27.2	39.3	1.1	0.8	153	153	85	87	Calm 0	Calm 0	2	9	0.13	Fine day.
Mean	29.597	29.587	39.1	39.2	34.3	44.7	1.0	1.2	225	222	91.3	90.2	1.6	1.8	8.6	7.8	6.18	

## DUBLIN (PHENIX PARK).—DECEMBER 1899.

Height above Mean Sea Level, 155 feet. Heights above Ground:—Bar., 4 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 6° 21' W. Lat. 53° 22' N. Gravity Correction, +0.22 in.

Day.	Barometer at 32° Fahr.		Air Temperature.				Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.	Vapour Tension.		Percentage.								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.			9 p.m.
	ins.	ins.	°	°	°	°	°	°	in.	in.	%	%					ins.	
1	29.87	30.11	45.1	36.5	35.9	53.0	0.4	0.9	.291	.198	97	92	Calm	0	10	0	.005	Dull a. Bright p.
2	30.27	31	36.3	32.7	31.9	41.7	1.3	0.9	.190	.167	89	89	Calm	0	6	0	.020	Cloudy a. ☁ from 8p.
3	30.23	30.07	41.1	49.9	28.5	50.5	0.4	2.3	.249	.301	97	85	Calm	0	10	9	.175	☁ a. Dull day. ☉ p.
4	29.99	29.99	51.0	51.7	49.6	53.9	2.5	0.9	.311	.360	83	94	SW	1	5	10	.160	Dull and cloudy. ☉ 1p.-5p.
5	.95	.76	49.2	49.6	48.0	53.5	0.8	1.1	.329	.327	95	93	Calm	0	10	10	.020	Dull day, with ☉.
6	.55	.46	51.0	44.5	43.7	60.2	0.3	0.9	.366	.273	98	93	Calm	0	9	4	.040	Cloudy day. ☉ p.
7	.52	.62	37.4	39.6	29.7	45.1	0.5	0.3	.214	.238	96	97	Calm	0	10	10	.005	☁ 2a.-10a. Dull day.
8	29.70	.93	39.8	38.4	36.8	43.3	0.7	1.1	.230	.210	95	91	W	1	10	4	.050	☉ 9a.-4p.
9	30.05	.92	38.3	38.4	35.1	42.0	1.7	2.4	.198	.186	86	81	Calm	0	2	9	.005	Cloudy day.
10	29.76	.90	40.6	39.1	37.0	43.2	1.9	2.0	.214	.200	86	84	SE	2	10	7	.015	☉ 9a.-11a. Dull day.
11	.91	.40	37.7	43.8	36.9	44.3	1.1	1.5	.205	.253	90	88	SE	1	10	10	.145	☉ a. and p. Dull day.
12	.67	.65	34.4	32.4	29.6	47.8	1.2	0.5	.175	.174	87	95	Calm	0	2	0	—	Beautiful day.
13	.25	.19	33.6	40.1	25.6	42.3	1.4	2.4	.164	.201	85	81	Calm	0	7	7	.005	Cloudy day. ☉ 4p.
14	.46	.60	37.1	33.2	32.9	40.7	2.7	0.9	.170	.171	77	90	Calm	0	8	9	—	Cloudy day.
15	.69	.54	26.4	43.9	23.7	44.3	1.3	3.8	.103	.208	72	73	Calm	0	7	6	—	☐ p.
16	.35	.40	50.0	48.5	43.6	52.2	3.3	2.4	.280	.282	78	83	SE	1	7	9	.035	Cloudy day. ☉ 5p.-8p.
17	.73	.93	39.8	27.3	25.2	48.8	3.5	1.2	.179	.112	73	76	SE	1	8	5	—	
18	.97	.86	27.1	42.0	20.4	42.4	0.5	2.8	.131	.211	89	79	Calm	0	7	8	.005	Cloudy day.
19	.83	.83	46.3	44.1	40.7	47.1	2.4	1.7	.260	.251	83	86	S	1	9	10	.535	☉ 9a.-8p.
20	29.90	29.99	44.4	45.3	43.2	45.7	0.6	0.8	.278	.284	95	94	SE	1	10	10	.040	☉ 9a.-8p.
21	30.08	30.07	43.4	40.9	40.1	45.9	1.6	1.2	.247	.231	87	91	Calm	0	10	110	.110	☉ a. and p. Dull day.
22	29.97	29.84	40.5	41.2	39.3	42.0	0.7	0.3	.237	.253	94	98	Calm	0	10	10	.035	☉ 9a.-11a. and 3p.-5p.
23	.84	.77	40.8	42.2	37.6	47.9	0.5	1.0	.244	.247	96	92	Calm	0	9	4	.130	☉ 9a.-11a. and 3p.-10p.
24	.81	.80	39.3	36.5	35.6	45.7	1.6	0.5	.209	.206	88	95	Calm	0	5	4	.055	Cloudy day. ☉ showers 2p.-7p.
25	.82	.60	34.4	38.3	32.4	39.6	1.0	0.9	.179	.213	89	93	W	1	6	5	.005	* showers 10a. Cloudy day.
26	.42	.36	32.1	29.3	27.0	39.5	0.7	0.7	.166	.143	91	88	Calm	0	2	2	—	Beautiful day.
27	.35	29.35	22.3	27.2	20.7	34.8	0.4	0.5	.105	.133	89	89	Calm	0	2	4	.035	Beautiful day. * from 11p.
28	29.10	28.61	36.7	44.0	24.2	44.3	2.0	1.5	.181	.255	83	88	E	3	10	10	1.740	* ☉ 9a.-11a. ☉ 11a.-8p.
29	28.23	.30	45.1	39.2	38.0	46.2	1.0	0.8	.276	.224	92	93	NE	1	10	10	.105	Dull day. ☉ 9a and 11a.-3p.
30	28.65	28.92	39.0	36.9	32.3	42.4	2.1	2.2	.197	.179	83	82	W	3	6	9	.115	Cloudy day. ☉ 11a. * 2 6p.
31	29.33	29.53	33.7	36.1	27.6	42.4	2.3	1.2	.148	.190	76	89	Calm	0	5	9	.100	Beautiful day. ☉ 8p.-11p.
Mean	29.653	29.633	39.2	39.8	34.0	45.6	1.4	1.3	.217	.222	87.7	88.5	0.5	0.8	7.7	6.7	3.690	



# METEOROLOGICAL OBSERVATIONS

AT  
STATIONS OF THE SECOND ORDER,  
FOR THE YEAR 1899.

## PART II.

### MONTHLY SUMMARIES

OF  
PRESSURE, TEMPERATURE, HUMIDITY,  
AMOUNT OF CLOUD, RAINFALL, DAYS OF WEATHER,  
AND  
OBSERVATIONS OF WIND DIRECTION,

AT THE FOLLOWING STATIONS:—

Scotland N.	{ Ben Nevis. Deerness, Orkney. Dunrobin Castle. Fort Augustus. Fort William. Glencarron. Lairg. Strathpeffer Spa.
Scotland E.	{ Aberdeen. Braemar. Dundee. Edinburgh. Gordon Castle. Lednathie. Marchmont. Ochertyre. Rosewell. Wolfelee.
Scotland W.	{ Cargen. Cronkbourne, Isle of Man. Glasgow. Glenlee. Laudale. Pinmore, Ayrshire. Poltalloch. Rothesay, Isle of Bute.
England N.E.	{ Cockle Park, Morpeth. Durham. Ladylaw, Hawick. Rounton, Yorkshire. Scarborough. Seaham. Tealby, Lincolnshire. York.
England N.W.	{ Aysgarth, Yorkshire. Bidston, near Liverpool. Chester. Heysham, Morecambe Bay. Llandudno. Manchester. Prestwich. Stonyhurst College.
Midlands.	{ Belvoir Castle, Grantham. Berkhamsted. Birmingham (Edgbaston). Buxton. Cheadle. Cheltenham. Churchstoke, Montgomery. Sheffield. Wakefield. Woburn.
England E.	{ Bennington, Herts. Cambridge. Geldeston. Hillington, Norfolk. Hollesley Bay. Lowestoft.
England S.	{ Bramley, Surrey. Eastbourne. Kew. Norwood. Parkstone. Rede Court, Rochester. St Leonards. Southampton.
England S.W.	{ Falmouth. Plymouth. Rousdon. St David's, Pembroke. <del>Tavistock.</del> Woolacombe, Devon.
Ireland N.	{ Armagh. Londonderry. Markree Castle, Co. Sligo.
Ireland S.	{ Dublin (City). Dublin (Phoenix Park). Glasnevin. Parsonstown (Birr Castle). Valencia.

*Whitchurch*  
3/12/04



## DEERNESS

Long. 2° 45' W. Lat. 58° 56' N. Height above Mean Sea Level, 160 feet. Gravity Correction, +.036 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.409	38.4	38.6	38.5	35.0	41.6	27.0	17th	46.8	5th	1.8	1.9	1.9	in. 1.199	in. 1.199	in. 1.199	85.0	84.3	84.7		
February	.542	39.8	40.1	40.0	36.8	43.0	28.2	5th	47.6	28th	1.6	1.4	1.5	.215	.221	.218	86.3	88.0	87.2		
March	.672	39.1	38.3	38.7	34.5	42.4	22.8	22nd	50.0	14th	1.9	2.0	2.0	.206	.195	.201	82.4	79.6	81.0		
April	.516	41.8	39.5	40.7	36.1	45.6	29.2	22nd	53.6	26th	2.3	2.0	2.2	.222	.205	.214	82.5	83.7	83.1		
May	.829	47.0	43.6	45.3	40.6	50.0	35.3	1st	60.8	29th	3.6	1.9	2.8	.244	.245	.245	75.5	85.6	80.6		
June	.848	53.4	51.0	52.2	47.9	56.5	42.2	8th	66.0	15th	2.3	1.2	1.8	.348	.342	.345	85.6	91.6	88.6		
July	.784	56.9	54.0	55.5	51.3	60.1	47.8	9th	69.0	31st	2.5	1.1	1.8	.391	.388	.390	84.7	92.8	88.8		
August	.866	55.9	53.6	54.8	51.2	59.3	46.2	10th	69.6	21st	1.8	0.9	1.4	.399	.389	.394	88.8	93.7	91.3		
September	.428	50.9	49.5	50.2	45.9	54.4	40.0	23rd	62.8	4th	2.2	2.0	2.1	.322	.308	.315	85.6	86.3	86.0		
October	.631	48.2	47.2	47.7	43.4	51.4	37.0	13, 14, 31	58.0	20th	2.4	2.2	2.3	.285	.278	.282	83.2	84.7	84.0		
November	.554	47.2	46.7	47.0	41.2	50.8	33.0	20th	54.1	5th	1.7	1.6	1.7	.290	.286	.288	87.6	88.4	88.0		
December	29.575	40.1	40.2	40.2	36.3	42.7	30.6	26th	51.3	4th	2.2	2.2	2.2	.206	.207	.207	82.5	82.4	82.5		
Year	29.638	46.6	45.2	45.9	41.7	49.8	—	—	—	—	2.2	1.7	2.0	.277	.272	.275	84.1	86.8	85.5		

## LAIRG

Long. 4° 24'. Lat. 58° 2' N. Height above Mean Sea Level, 387 feet. Gravity Correction, +.033 in.

	ins.													in.	in.	in.	%	%	%
January	29° 174	33° 5	32° 6	33° 1	27° 0	39° 3	12° 0	25th	46° 1	10th	0° 9	0° 8	0° 9	1° 174	1° 169	1° 172	90	90	90
February	280	36° 1	34° 2	35° 2	27° 8	46° 3	17° 9	4th	58° 0	27th	1° 4	0° 8	1° 1	1° 187	1° 182	1° 185	87	91	89
March	455	38° 3	35° 5	36° 9	30° 0	46° 9	8° 6	22nd	65° 9	16th	1° 9	1° 2	1° 6	1° 194	1° 185	1° 190	84	89	87
April	277	42° 7	37° 4	40° 0	32° 8	49° 5	19° 5	22nd	61° 9	26th	2° 3	1° 5	1° 9	2° 226	2° 194	2° 210	83	87	85
May	576	49° 0	42° 0	45° 5	35° 1	54° 6	25° 0	4th	68° 3	28th	4° 1	1° 9	3° 0	2° 253	2° 227	2° 240	72	86	79
June	600	61° 9	53° 2	57° 6	46° 8	68° 0	36° 0	1st	84° 0	15th	6° 0	2° 4	4° 2	3° 371	3° 340	3° 356	67	84	76
July	552	60° 3	55° 7	58° 0	50° 9	65° 8	41° 2	21st	81° 0	31st	4° 0	2° 1	3° 1	3° 399	3° 385	3° 392	77	87	82
August	619	59° 7	56° 5	58° 1	52° 9	68° 8	44° 0	17th	81° 0	25th	3° 1	2° 5	2° 8	4° 416	3° 384	4° 400	82	84	83
September	233	52° 2	48° 5	50° 4	45° 4	60° 6	35° 0	29th	71° 5	7th	2° 6	1° 6	2° 1	3° 323	3° 302	3° 313	83	88	86
October	419	49° 1	44° 4	46° 8	39° 5	56° 4	29° 0	15th	76° 2	19th	2° 9	1° 4	2° 2	2° 279	2° 260	2° 270	79	89	84
November	373	46° 1	44° 5	45° 3	39° 2	50° 9	24° 5	16th	60° 8	17th	1° 6	1° 9	1° 8	2° 275	2° 251	2° 263	89	86	88
December	29° 319	34° 1	33° 9	34° 0	26° 1	39° 3	13° 0	15th	50° 8	4th	0° 8	0° 6	0° 7	1° 181	1° 183	1° 182	91	93	92
Year	29° 406	46° 9	43° 2	45° 1	37° 8	53° 9	—	—	—	—	2° 6	1° 6	2° 1	2° 273	2° 255	2° 264	82° 0	87° 8	84° 9

## DUNROBIN CASTLE

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

	ins.													in.	in.	in.	%	%	%
January	29.598	35.3	36.9	36.1	32.4	42.1	25.0	27th	49.0	28th	1.5	2.0	1.8	177	180	179	84.7	80.5	82.6
February	727	38.2	38.8	38.5	33.9	43.9	28.8	20th	53.0	28th	1.4	2.0	1.7	203	199	201	86.5	82.2	84.4
March	884	40.4	39.3	39.9	33.1	47.2	22.0	24th	58.0	11th	2.1	2.4	2.3	206	198	202	81.7	80.2	81.0
April	29.705	43.5	40.9	42.2	36.6	47.7	28.5	22nd	55.5	2nd	2.9	2.3	2.6	227	213	220	79.7	81.6	80.7
May	30.009	47.8	45.1	46.5	39.7	52.1	33.0	4th	65.2	31st	3.4	2.9	3.2	258	238	248	77.9	79.3	78.6
June	30.022	57.1	54.9	56.0	49.1	62.0	41.0	3rd	75.0	12th	3.5	2.8	3.2	371	356	364	79.6	82.0	80.8
July	29.971	59.3	57.3	58.3	52.4	63.3	45.2	24th	73.0	30th	3.0	2.6	2.8	415	394	405	82.5	83.7	83.1
August	30.041	59.3	56.6	58.0	52.4	63.9	45.2	19th	77.0	1st	3.5	2.5	3.0	401	390	396	79.3	84.4	81.9
September	29.650	53.5	50.6	52.1	45.6	58.9	38.0	22nd	67.0	4th	3.6	2.3	3.0	322	314	318	77.5	84.6	81.1
October	837	48.8	46.7	47.8	41.8	54.6	33.8	13th	64.2	19th	1.9	2.0	2.0	304	279	292	86.7	85.9	86.3
November	814	47.4	46.7	47.1	41.0	52.6	32.0	14, 15	57.0	8th	2.5	2.8	2.7	273	260	267	82.9	81.0	82.0
December	29.762	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year	29.835	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## DEERNESS.

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

Heights above Ground:—Barometer, 12 feet.																							
1899.	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	6.1	5.4	5.8	ins. 4.33	.77	8th	22	4	1	0	8	10	13	7	6	1	6	13	10	10	8	1	
February	6.1	5.5	5.8	1.495	.30	13th	13	3	0	0	7	13	6	9	1	3	10	14	8	3	3	5	
March	7.1	6.9	7.0	3.415	.47	27th	20	9	1	0	0	12	15	11	6	7	4	7	10	8	3	6	
April	7.0	5.1	6.1	2.56	.45	12th	23	8	2	0	2	9	8	10	7	4	11	3	4	8	9	4	
May	6.5	5.9	6.2	2.89	.84	18th	9	0	1	0	6	12	2	14	12	9	10	4	5	7	0	1	
June	6.9	6.8	6.9	2.155	.57	29th	12	0	0	2	3	15	4	3	0	11	16	6	3	10	11	0	
July	7.2	7.8	7.5	2.495	.54	25, 28	15	0	0	1	0	14	4	11	2	4	7	7	7	12	7	5	
August	8.9	7.2	8.1	1.44	.43	15th	5	0	0	1	1	19	7	2	8	8	15	7	5	9	7	1	
September	6.8	6.7	6.8	4.59	.60	17th	27	0	0	2	1	11	6	6	3	5	4	8	7	10	14	3	
October	7.4	5.4	6.4	3.46	.62	3rd	17	0	1	2	2	9	14	3	1	1	3	13	19	8	12	2	
November	8.0	6.7	7.4	3.95	.585	19th	18	1	0	2	2	12	19	3	0	0	3	13	17	15	9	0	
December	7.4	6.7	7.1	3.42	.54	3rd	20	5	1	0	2	14	23	4	6	5	18	20	4	1	4	0	
Year	7.1	6.3	6.7	36.200	—	—	201	30	7	10	34	150	121	83	52	58	107	115	99	101	87	28	



## GORDON CASTLE

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
					Min.	Max.	Min.	Day	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January	ins. 29.486	36.5	37.3	36.9	31.9	41.1	20.4	26th	48.5	9th	2.1	2.2	2.2	in. 1.77	in. 1.81	in. 1.79	% 82	% 82	% 82			
February	.624	38.9	39.4	39.2	32.6	45.8	20.0	5th	53.3	17th	3.3	3.0	3.1	1.75	1.84	1.80	75	77	76			
March	.761	40.9	39.1	40.0	33.9	45.7	19.5	24th	58.0	13th	3.2	2.7	3.0	1.94	1.87	1.91	77	79	78			
April	.574	43.9	41.0	42.5	36.6	49.0	27.0	18th	62.3	24th	3.7	3.1	3.4	2.10	1.95	2.03	73	76	75			
May	.880	49.1	43.7	46.4	37.2	53.7	30.6	4th	68.0	31st	4.8	2.8	3.8	2.40	2.25	2.33	69	78	74			
June	.922	59.7	55.0	57.4	47.5	66.0	36.5	8th	82.5	15th	5.4	3.3	4.4	3.55	3.42	3.59	69	79	74			
July	.869	61.9	57.0	59.5	50.5	65.9	40.2	21st	76.3	31st	4.6	2.4	3.5	4.09	3.94	4.02	74	85	80			
August	.945	63.5	55.3	59.4	49.3	68.6	39.4	19th	79.6	14th	5.6	2.8	4.2	4.05	3.59	3.82	70	82	76			
September	.546	54.0	49.2	51.6	43.5	58.7	32.2	30th	71.0	4th	3.7	2.3	3.0	3.17	2.94	3.06	76	84	80			
October	.769	49.9	47.9	48.9	41.7	56.6	31.0	15th	72.0	19th	4.3	3.2	3.8	2.59	2.59	2.59	72	79	76			
November	.733	48.7	47.8	48.3	40.9	53.2	31.0	15th	60.5	2nd	4.0	3.8	3.9	2.51	2.45	2.48	73	74	74			
December	29.667	36.9	36.8	36.9	31.5	41.2	25.0	23rd	53.5	4th	2.1	2.2	2.2	1.80	1.78	1.79	83	81	82			
Year	29.731	48.7	45.8	47.3	39.8	53.8	—	—	—	—	3.9	2.8	3.4	2.64	2.54	2.59	74.4	79.7	77.1			

## STRATHPEFFER SPA

Long. 4° 28' W. Lat. 57° 37' N. Height above Mean Sea Level, 253 feet. Gravity Correction, +.032 in.

1899.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
					Min.	Max.	Min.	Day	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January	29.332	33.8	35.5	34.7	30.1	40.2	21.1	25th	48.8	9th	0.9	1.2	1.1	in. 1.76	in. 1.86	in. 1.81	% 90.2	% 89.1	% 89.7			
February	.433	36.4	36.5	36.5	31.0	44.0	21.6	5th	53.3	17th	1.6	1.1	1.4	1.86	1.99	1.93	85.7	90.5	88.1			
March	.611	39.2	38.3	38.8	34.0	45.0	20.8	24th	57.6	17th	1.8	1.3	1.6	2.09	2.11	2.10	85.5	88.7	87.1			
April	.429	43.2	39.7	41.5	35.3	48.3	24.8	22nd	57.7	24th	3.2	2.0	2.6	2.19	2.08	2.14	77.6	83.2	80.4			
May	.725	47.4	43.8	45.6	37.9	52.1	29.8	4th	64.4	31st	3.8	2.0	2.9	2.45	2.44	2.45	75.1	85.0	80.1			
June	.749	59.5	55.7	57.6	48.4	65.9	39.5	1st	80.7	15th	4.7	2.6	3.7	3.73	3.72	3.73	73.5	83.9	78.7			
July	.704	59.6	56.4	58.0	51.5	64.1	43.7	21st	75.9	31st	3.5	2.1	2.8	4.05	3.97	4.01	79.5	86.8	83.2			
August	.763	61.0	56.9	59.0	51.0	68.2	40.2	9th	80.7	24th	4.2	2.5	3.4	4.10	3.95	4.03	76.6	84.9	80.8			
September	.381	52.4	49.2	50.8	44.2	57.2	33.0	29th	67.5	12th	3.2	1.9	2.6	3.17	3.07	3.12	80.0	86.7	83.4			
October	.586	48.6	46.2	47.4	41.4	54.4	29.3	15th	69.8	19th	2.5	1.9	2.2	2.88	2.75	2.82	82.3	86.0	84.2			
November	.518	46.5	46.8	46.7	41.1	51.9	30.8	15th	57.8	4.5	2.0	2.2	2.1	2.74	2.75	2.75	85.5	85.0	85.3			
December	29.472	34.8	35.6	35.2	30.3	40.3	19.1	26th	53.7	4th	0.9	0.9	0.9	1.88	1.95	1.92	90.3	91.7	91.0			
Year	29.559	46.9	45.1	46.0	39.7	52.6	—	—	—	—	2.7	1.8	2.3	2.74	2.72	2.73	81.8	86.8	84.3			

## GLENCAIRN

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

1899.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
					Min.	Max.	Min.	Day	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January	29.096	34.4	35.9	35.2	30.9	40.8	20.0	25th	51.7	9th	1.1	1.6	1.4	in. 1.77	in. 1.82	in. 1.80	% 88	% 86	% 87			
February	.196	36.9	37.1	37.0	31.3	44.6	24.0	2nd	51.6	24th	1.7	1.8	1.8	1.87	1.86	1.87	86	84	85			
March	.376	38.4	37.7	38.0	32.7	43.8	17.0	23rd	57.0	16th	1.4	1.4	1.4	2.04	1.99	2.02	88	88	88			
April	.198	41.5	38.9	40.2	34.3	47.5	22.0	22nd	59.4	26th	2.6	2.0	2.3	2.09	1.98	2.04	80	85	83			
May	.471	48.1	44.4	46.3	37.6	53.3	30.1	3rd	65.9	8th	4.4	3.2	3.8	2.36	2.24	2.30	70	76	78			
June	.520	57.5	53.6	55.5	48.0	61.7	40.0	3rd	78.5	14th	4.2	1.8	3.0	3.54	3.61	3.58	75	88	82			
July	.475	56.7	55.0	55.8	50.9	61.9	45.4	9th	70.1	31st	2.8	1.8	2.3	3.78	3.81	3.80	82	88	85			
August	.523	60.3	56.6	58.4	51.2	68.4	42.0	9th	80.4	25th	3.5	2.6	3.0	4.13	3.83	3.98	80	83	82			
September	.160	50.5	48.5	49.5	44.4	55.5	34.5	29th	66.0	4th	2.1	1.5	1.8	3.14	3.03	3.09	86	89	88			
October	.357	48.3	47.3	47.8	42.4	52.7	30.0	15th	67.0	19th	2.1	2.7	2.4	2.87	2.63	2.75	85	81	83			
November	.307	46.0	46.6	46.3	42.0	50.9	29.4	15th	60.9	4th	1.7	2.3	2.0	2.72	2.65	2.69	88	84	86			
December	29.225	36.1	35.8	36.5	30.5	41.0	17.5	27th	52.0	4th	1.4	1.4	1.4	1.87	1.85	1.86	87	88	88			
Year	29.325	46.2	44.8	45.5	39.7	51.8	—	—	—	—	2.4	2.0	2.2	2.68	2.61	2.65	82.9	85.0	84.0			

## GORDON CASTLE.

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

1899.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	9 a.m.	9 p.m.	Mean	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January	7.5	6.2	6.9	ins. 3.50	.64	22nd	18	0	0	0	2	11	0	0	5	1	14	12	24	1	5	0	
February	6.3	4.6	5.5	1.77	.46	18th	12	0	0	0	5	7	0	2	4	4	8	10	24	1	3	0	
March	7.8	7.2	7.5	2.87	.56	30th	20	0	0	0	2	14	0	1	8	1	7	1	25	5	14	0	
April	8.5	7.8	8.2	4.67	.86	29th	25	0	0	0	0	18	0	1	10	2	9	1	11	6	20	0	
May	7.1	6.0	6.5	2.17	.69	16th	14	0	0	1	6	13	0	3	19	5	16	0	13	0	6	0	
June	7.1	5.5	6.3	1.57	.29	19th	13	0	0	0	3	7	0	7	7	0	12	1	15	4	14	0	
July	8.1	8.5	8.3	3.22	.47	12th	20	0	0	1	0	19	0	1	5	0	8	4	32	2	10	0	
August	5.8	5.4	5.6	1.74	1.16	31st	9	0	0	2	2	10	1	1	9	0	15	2	13	3	19	0	
September	8.1	6.8	7.4	3.20	.35	16th	26	0	0	0	1	12	0	1	2	0	5	0	28	8	16	0	
October	6.2	4.2	5.2	1.73	.52	1st	13	0	0	0	1	5	0	1	3	0	10	4	29	1	14	0	
November	6.9	6.7	6.8	1.39	.52	4th	14	0	0	0	0	9	0	0	0	0	5	14	32	5	4	0	
December	7.1	7.5	7.3	4.98	1.28	31st	21	0	0	0	1	15	0	0	3	0	26	3	20	4	6	0	
Year	7.2	6.4	6.8	32.81	—	—	205	0	0	4	23	140	1	18	75	13	135	52	266	40	131	0	



## ABERDEEN

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29°543	36°4	36°8	36°6	33°4	40°5	18°0	27th	46°3	9th	1°8	2°0	1°9	in. °182	in. °181	in. °182	% 84	% 83	% 84
February	°674	37°9	39°7	38°8	34°6	43°5	22°0	5th	52°4	28th	2°0	2°3	2°2	°190	°200	°195	83	81	82
March	°810	39°5	38°7	39°1	34°7	44°9	19°7	25th	57°1	1st	2°4	2°2	2°3	°196	°193	°195	81	83	82
April	°627	43°1	41°0	42°1	37°0	47°8	29°3	18th	60°2	1st	3°3	2°6	3°0	°210	°204	°207	76	80	78
May	°928	47°1	44°8	46°0	39°4	50°4	31°9	5th	68°2	30th	4°0	2°9	3°5	°234	°234	°234	73	79	76
June	°961	56°8	54°4	55°6	49°1	61°8	40°3	14th	73°0	15th	4°7	3°3	4°0	°333	°333	°333	72	79	76
July	°906	60°4	58°4	59°4	54°2	65°2	49°6	5th	75°0	30th	4°5	2°9	3°7	°388	°402	°395	74	82	78
August	°982	58°8	56°7	57°8	51°7	62°5	40°4	10th	79°6	1st	3°7	2°8	3°3	°386	°378	°382	78	82	80
September	°575	52°7	51°1	51°9	46°0	58°0	38°4	29th	67°2	4th	3°8	3°1	3°5	°301	°298	°300	75	79	77
October	°816	48°5	47°5	48°0	42°6	54°1	34°9	8th	64°3	10th	3°3	3°1	3°2	°263	°257	°260	77	79	78
November	°775	47°0	46°7	46°9	41°5	51°8	33°7	16th	57°5	28th	3°0	2°7	2°9	°253	°257	°255	79	81	80
December	29°714	37°7	37°9	37°8	33°5	41°2	19°9	15th	54°9	4th	2°2	2°3	2°3	°185	°185	°185	81	81	81
Year	29°776	47°2	46°1	46°7	41°5	51°8	—	—	—	—	3°2	2°7	3°0	°260	°260	°260	77°8	80°8	79°3

## FORT AUGUSTUS

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

January	ins. 29.564	34.9	36.3	35.6	31.3	41.1	19.6	28th	51.0	9th	1.6	1.4	1.5	in. 1.71	in. 1.88	in. 1.80	84	88	86
February	.667	35.5	38.1	36.8	30.6	45.2	20.2	2nd	59.6	21st	1.6	1.7	1.7	1.88	1.96	1.92	86	85	86
March	.850	39.2	39.9	39.5	34.3	46.5	16.7	24th	63.2	17th	1.5	1.7	1.6	2.10	2.12	2.11	88	87	88
April	.653	42.6	41.6	42.1	35.5	49.9	22.0	22nd	58.8	24th	2.7	2.6	2.7	2.17	2.10	2.14	80	80	80
May	.934	46.8	46.9	46.8	39.7	53.7	27.2	4th	67.4	31st	2.7	3.2	3.0	2.57	2.49	2.53	81	79	80
June	.959	58.1	57.0	57.5	48.0	66.2	37.1	1st	81.0	14th	4.0	3.9	4.0	3.69	3.54	3.62	77	76	77
July	29.924	58.6	58.3	58.4	52.7	64.2	44.0	9th	75.4	31st	3.0	2.4	2.7	4.02	4.14	4.08	82	84	83
August	30.054	59.2	60.1	59.6	51.3	70.2	41.0	29th	83.3	25th	3.4	3.6	3.5	4.00	4.08	4.04	82	79	81
September	29.615	51.7	50.1	50.9	44.9	58.2	31.3	28th	69.8	4th	2.4	2.1	2.3	3.22	3.08	3.15	84	85	85
October	.829	47.2	47.3	47.3	42.3	54.9	30.0	15th	66.5	19th	2.4	2.0	2.2	2.69	2.78	2.74	84	86	85
November	.771	47.2	46.9	47.0	41.3	52.0	26.0	15th	59.6	5th	2.2	2.0	2.1	2.73	2.74	2.74	85	86	86
December	29.702	36.9	36.9	36.9	30.9	42.2	15.6	28th	53.8	23th	1.7	1.6	1.7	1.87	1.89	1.88	86	87	87
Year	29.794	46.5	46.6	46.5	40.2	53.7	—	—	—	—	2.4	2.4	2.4	2.72	2.73	2.73	83.3	83.5	83.4

## BRAEMAR

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

January	ins. 28.430	30.8	32.3	31.6	26.7	37.1	9.5	27th	49.0	5th	1.3	1.4	1.4	in. 1.50	in. 1.55	in. 1.53	84.3	82.4	83.4
February	.570	31.5	34.0	32.8	27.4	42.4	11.0	5th	52.8	27th	1.2	1.2	1.2	1.56	1.75	1.66	83.3	86.0	84.7
March	.693	35.2	35.5	35.4	29.5	43.4	3.0	24th	63.0	16th	1.7	1.6	1.7	1.75	1.80	1.78	82.2	83.1	82.7
April	.510	40.2	38.4	39.3	32.3	46.3	17.0	22nd	58.0	28th	2.8	2.0	2.4	1.98	1.97	1.98	78.0	83.7	80.9
May	.789	44.5	42.4	43.5	33.7	51.9	24.8	4th	67.0	31st	3.1	2.2	2.7	2.33	2.28	2.31	80.4	84.2	82.3
June	.842	59.5	55.5	57.5	48.3	65.3	33.3	1st	75.8	14th	6.4	3.7	5.1	3.34	3.41	3.38	66.9	77.6	72.3
July	.823	58.4	56.6	57.5	48.7	63.7	37.0	5th	76.0	31st	4.3	2.9	3.6	3.67	3.77	3.72	75.4	82.2	78.8
August	.879	59.1	57.1	58.1	46.7	68.6	34.5	10th	79.7	23rd	4.4	3.2	3.8	3.77	3.78	3.78	75.1	80.5	77.8
September	.491	49.3	47.6	48.5	41.8	54.8	32.6	29th	65.2	11th	3.0	2.6	2.8	2.84	2.75	2.80	79.9	82.0	81.0
October	.707	44.8	44.5	44.7	38.8	51.8	25.0	15th	64.3	19th	2.7	2.5	2.6	2.45	2.45	2.45	80.6	81.9	81.3
November	.658	43.5	44.2	43.9	37.0	48.6	22.7	15th	56.8	4th	2.4	2.4	2.4	2.36	2.42	2.39	82.0	82.1	82.1
December	28.581	31.2	32.2	31.7	25.3	36.5	8.2	15th	50.7	4th	1.2	1.3	1.3	1.53	1.60	1.57	83.3	85.4	84.4
Year	28.664	44.0	43.4	43.7	36.1	50.9	—	—	—	—	2.9	2.3	2.6	2.42	2.46	2.44	79.3	82.6	81.0

## ABERDEEN.

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

1899.	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	7.0	6.0	6.5	ins. 3.260	ins. .440	20th	23	5	0	0	1	11	1	2	0	3	4	10	11	10	13	9	
February	6.1	5.9	6.0	2.190	.500	8th	15	5	0	0	2	8	0	4	0	1	5	14	11	5	7	9	
March	6.7	6.2	6.5	2.700	.570	20th	22	10	0	0	1	6	0	7	2	0	2	9	9	5	16	12	
April	6.8	6.3	6.6	3.135	.770	6th	23	5	2	0	1	7	2	6	5	3	3	13	4	8	15	3	
May	6.6	6.2	6.4	2.170	.910	19th	18	0	1	0	2	11	1	12	7	10	7	2	9	3	3	9	
June	5.9	6.3	6.1	1.135	.245	20th	12	0	0	1	3	6	0	4	1	8	9	10	5	1	10	12	
July	6.8	7.1	7.0	3.645	1.220	18th	13	0	0	4	0	8	0	5	3	6	1	14	8	7	6	12	
August	6.5	6.5	6.5	0.740	.250	29th	9	0	0	1	1	9	2	1	5	3	8	12	1	8	5	19	
September	6.3	5.4	5.9	3.645	.600	1st	27	0	1	2	0	2	2	1	0	3	0	7	14	21	6	8	
October	5.8	5.0	5.4	0.700	.125	12th	14	0	1	0	0	1	1	2	1	2	0	18	18	12	5	4	
November	6.2	5.8	6.0	1.290	.280	3rd	16	0	0	0	0	3	3	1	0	0	2	19	18	7	5	8	
December	8.0	7.6	7.8	4.905	.710	5th	26	10	4	0	0	13	2	0	1	2	15	13	10	9	6	6	
Year	6.6	6.2	6.4	29.515	—	—	218	35	9	8	11	85	14	45	25	41	56	141	118	96	97	111	

## FORT AUGUSTUS.

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

Heights above Ground.—Baromet.																							
				ins.	ins.																		
January	-	6.4	7.9	7.2	5.16	1.03	15th	22	3	0	1	3	14	2	14	2	2	1	28	7	2	6	0
February	-	6.8	5.2	6.0	2.12	.51	10th	15	2	1	0	6	9	4	11	3	1	1	25	5	2	1	7
March	-	7.2	7.8	7.5	3.10	.56	28th	22	3	0	0	4	15	4	14	0	1	4	22	12	2	2	5
April	-	7.8	6.1	7.0	3.87	.77	4th	18	2	0	0	2	12	3	18	7	0	3	18	4	0	2	8
May	-	6.2	6.2	6.2	2.05	.76	16th	11	0	0	0	7	13	3	24	5	4	1	15	2	3	1	7
June	-	6.8	7.1	7.0	1.33	.44	17th	15	0	0	2	4	13	2	10	7	5	1	27	3	0	1	6
July	-	6.6	5.5	6.0	2.61	.52	26th	15	0	0	0	1	18	2	8	2	7	1	31	4	3	1	5
August	-	6.2	5.4	5.8	0.49	.21	16th	7	0	0	2	2	0	2	11	7	11	0	15	7	3	1	7
September	-	7.2	6.2	6.7	6.44	.84	15th	26	0	0	0	0	11	3	2	5	1	3	22	23	1	0	3
October	-	6.5	7.0	6.8	4.52	.67	3rd	20	0	0	0	4	13	4	6	4	0	0	40	6	1	2	3
November	-	8.8	7.1	8.0	8.05	1.09	4th	25	0	0	0	1	18	13	3	1	2	1	47	3	1	1	1
December	-	7.8	7.5	7.6	2.59	.46	5th	18	5	0	0	2	15	5	9	4	1	1	31	4	1	2	9
Year	-	7.0	6.6	6.8	42.33	—	—	214	15	1	5	36	151	47	130	47	35	17	321	80	19	20	61



## FORT WILLIAM

Long. 5° 7' W. Lat. 56° 49' N. Height above Mean Sea Level, 31 feet. Gravity Correction, +.031 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.601	36.8	37.7	37.3	33.5	42.2	23.1	28th	52.3	9th	1.8	2.0	1.9	in. 184	in. 189	in. 187	% 85	% 83	% 84
February	701	36.6	39.5	38.1	34.2	44.5	24.5	4th	50.0	11, 21	1.7	2.4	2.1	185	196	191	86	81	84
March	900	39.1	40.4	39.8	35.8	45.1	21.0	24th	54.4	16th	1.6	1.8	1.7	208	214	211	87	86	87
April	692	42.7	42.3	42.5	37.4	49.3	26.4	22nd	62.0	26th	2.7	2.6	2.7	218	217	218	80	81	81
May	29.967	47.9	47.7	47.8	40.3	55.5	32.2	4th	66.0	8th	4.0	4.2	4.1	243	237	240	73	72	73
June	30.000	57.4	57.3	57.4	50.4	65.2	43.7	1st	76.2	13th	3.5	3.7	3.6	370	364	367	78	78	78
July	29.975	58.2	57.8	58.0	53.8	64.6	47.7	10th	71.1	22nd	3.1	2.7	2.9	393	398	396	81	83	82
August	30.014	60.0	59.9	60.0	53.1	69.7	45.2	10th	80.3	24th	3.6	3.6	3.6	406	405	406	78	79	79
September	29.670	52.4	51.7	52.1	47.0	57.3	34.0	28th	65.4	4th	2.7	3.2	3.0	324	303	314	82	79	81
October	882	48.3	48.7	48.5	44.0	53.6	32.6	15th	61.5	17th	2.4	2.4	2.4	281	286	284	83	83	83
November	834	47.7	48.1	47.9	44.3	51.7	32.2	15th	62.3	4th	1.9	2.4	2.2	285	277	281	87	83	85
December	29.731	37.9	38.1	38.0	33.6	42.1	17.4	28th	53.3	4th	1.9	2.0	2.0	191	191	191	84	83	84
Year	29.831	47.1	47.4	47.3	42.3	53.4	—	—	—	—	2.6	2.8	2.7	274	273	274	82.0	80.9	81.5

## BEN NEVIS SUMMIT

Long. 5° 0' W. Lat. 56° 48' N. Height above Mean Sea Level, 4,405 feet. Gravity Correction, +.020 in.

	ins.													in.	in.	in.	%	%	%
January	25°50	23°2	24°1	23°7	20°2	27°6	12°2	16th	35°1	18th	0°7	0°8	0°8	°100	°102	°101	81	79	80
February	°154	26°5	26°0	26°3	22°9	33°6	10°6	5th	39°2	24th	1°8	1°4	1°6	°091	°096	°094	63	68	66
March	°318	24°8	25°6	25°2	21°7	28°8	6°9	23rd	46°0	16th	0°5	0°7	0°6	°117	°115	°116	89	83	86
April	°150	26°8	25°3	26°1	22°3	30°6	13°1	22nd	41°3	26th	0°2	0°1	0°2	°140	°130	°135	96	95	96
May	°435	32°5	31°4	32°0	27°9	36°0	20°0	3rd	47°0	8th	1°8	1°2	1°5	°146	°148	°147	79	83	81
June	°214	43°5	43°3	43°4	39°5	48°0	30°3	3rd	60°6	15th	2°0	1°6	1°8	°240	°246	°243	84	88	86
July	°533	42°7	43°3	43°0	39°8	46°4	33°6	10th	57°4	31st	0°3	0°5	0°4	°267	°270	°269	98	96	97
August	°595	48°4	48°0	48°2	44°3	53°3	33°1	18th	63°5	23rd	3°7	2°8	3°3	°254	°267	°261	75	80	78
September	°214	35°4	35°1	35°3	32°0	38°7	23°3	29th	50°6	4th	0°0	0°5	0°3	°207	°195	°201	100	95	97
October	°383	33°0	33°8	33°4	30°1	38°0	19°9	13th	48°2	19th	0°6	0°8	0°7	°175	°178	°177	93	91	92
November	°325	32°3	32°1	32°2	29°3	35°4	21°0	9th	43°9	4th	0°1	0°1	0°1	°182	°180	°181	99	99	99
December	25°166	23°6	23°7	23°7	20°7	26°9	10°8	14th	40°0	6th	0°1	0°2	0°2	°123	°120	°122	97	95	96
Year	25°295	32°7	32°6	32°7	29°2	36°9	—	—	—	—	1°0	0°9	1°0	°170	°171	°171	87°8	87°7	87°8

## LEDNATHIE

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

	ins.													in.	in.	in.	%	%	%
January	28.861	32.3	33.7	33.0	28.2	39.2	14.0	27th	47.0	20th	1.4	1.2	1.3	.152	.169	.161	83	87	85
February	28.965	34.7	35.8	35.2	28.5	43.1	11.7	23rd	54.0	23rd	1.8	1.5	1.7	.166	.183	.175	82	87	85
March	29.126	37.9	36.2	37.0	31.1	44.6	7.2	24th	64.0	17th	2.5	1.2	1.9	.181	.191	.186	79	89	84
April	28.934	42.1	39.0	40.5	32.5	48.3	18.8	22nd	59.2	27th	3.4	2.0	2.7	.201	.199	.200	75	84	80
May	29.229	46.0	42.8	44.4	34.9	52.2	21.0	27th	69.8	31st	4.1	2.6	3.4	.223	.221	.222	72	80	76
June	.272	58.6	53.8	56.2	44.6	66.0	34.0	3rd	77.0	15th	4.8	3.0	3.9	.355	.332	.344	72	80	76
July	.234	59.2	56.5	57.8	49.2	65.3	39.2	9th	78.0	30th	3.9	2.5	3.2	.386	.384	.385	77	84	81
August	29.299	59.2	54.9	57.0	45.9	67.6	37.0	10th	79.0	22nd	3.8	2.0	2.9	.389	.375	.382	77	87	82
September	28.914	51.0	48.3	49.6	41.3	58.3	30.8	15th	70.3	11th	3.0	2.3	2.7	.299	.252	.276	80	84	82
October	29.143	45.5	43.9	44.7	37.8	53.6	22.6	15th	65.0	20th	2.6	2.1	2.4	.247	.242	.245	81	84	83
November	.107	44.9	44.4	44.6	36.8	50.6	25.0	6th	56.8	5th	2.2	2.1	2.2	.249	.246	.248	85	84	85
December	29.002	31.1	32.7	31.9	25.5	37.1	8.3	15th	52.0	4th	1.2	0.9	1.1	.145	.167	.156	83	89	86
Year	29.091	45.2	43.5	44.4	36.4	52.2	—	—	—	—	2.9	2.0	2.5	.249	.247	.248	78.8	84.9	81.9

## FORT WILLIAM.

Heights above Ground:—Barometer, 11 feet. Thermometers, 5 feet. Rain-gauge, 1 foot 8 inches.

Heights above Ground. — Lakes, &c.																							
1899.	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	7.7	6.8	7.3	ins. 7.366	ins. 1.438	18th	20	6	1	1	2	14	—	—	—	—	—	—	—	—	—	—	
February	6.6	5.9	6.3	4.947	.792	9th	14	1	1	0	5	13	—	—	—	—	—	—	—	—	—	—	
March	8.1	7.8	8.0	8.755	1.632	28th	22	5	0	0	2	19	—	—	—	—	—	—	—	—	—	—	
April	7.8	6.4	7.1	5.492	.874	18th	20	3	1	0	0	12	—	—	—	—	—	—	—	—	—	—	
May	6.5	6.8	6.7	2.252	.816	16th	14	1	0	0	5	15	—	—	—	—	—	—	—	—	—	—	
June	7.2	6.7	7.0	2.040	.360	18th	13	0	0	0	2	15	—	—	—	—	—	—	—	—	—	—	
July	8.9	8.4	8.7	4.433	1.190	25th	19	0	0	0	0	21	—	—	—	—	—	—	—	—	—	—	
August	6.1	4.4	5.3	1.767	.570	16th	11	0	0	1	4	7	—	—	—	—	—	—	—	—	—	—	
September	8.6	6.8	7.7	9.116	1.170	15th	28	0	0	2	0	13	—	—	—	—	—	—	—	—	—	—	
October	7.2	6.9	7.1	9.305	1.560	10th	20	0	0	1	1	12	—	—	—	—	—	—	—	—	—	—	
November	9.1	8.4	8.8	13.143	1.335	26th	26	0	1	1	0	19	—	—	—	—	—	—	—	—	—	—	
December	8.4	8.2	8.3	5.799	1.130	15th	20	4	0	0	1	23	—	—	—	—	—	—	—	—	—	—	
Year	7.7	7.0	7.4	74.415	—	—	227	20	4	6	22	183	—	—	—	—	—	—	—	—	—	—	



## LAUDALE

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29°604	39°0	39°7	39°4	34°3	44°4	25°7	28th	52°7	9th	2°0	2°0	2°0	in. 2°00	in. 2°06	in. 2°03	83°0	82°4	82°7
February	°698	40°0	41°3	40°7	36°4	45°5	24°7	2nd	51°6	28th	1°8	1°9	1°9	2°14	2°24	2°19	85°0	84°6	84°8
March	°911	41°2	41°1	41°2	36°0	47°4	20°2	23rd	59°3	16th	1°6	1°5	1°6	2°30	2°32	2°31	85°6	86°1	85°9
April	°704	45°3	42°8	44°1	37°5	50°5	28°2	18th	59°5	26th	2°8	2°1	2°5	2°47	2°35	2°41	80°1	83°8	82°0
May	29°974	50°4	47°5	49°0	41°1	55°9	34°1	26th	66°8	31st	3°5	2°3	2°9	2°82	2°76	2°79	77°2	84°1	80°7
June	30°016	58°3	55°8	57°1	49°6	64°7	41°0	12th	75°0	15th	3°2	1°9	2°6	3°94	3°92	3°93	81°4	87°6	84°5
July	29°994	58°9	57°4	58°2	53°1	64°1	47°0	10th	73°0	31st	2°1	1°6	1°9	4°34	4°24	4°29	87°1	89°7	88°4
August	30°025	62°1	59°2	60°7	53°6	69°3	45°3	10th	79°4	23rd	4°1	2°5	3°3	4°29	4°29	4°29	77°1	85°3	81°2
September	29°691	53°1	51°9	52°5	47°3	57°9	34°7	28th	64°7	12th	2°7	2°2	2°5	3°39	3°34	3°37	82°6	85°4	84°0
October	°896	49°2	49°7	49°5	44°1	55°2	32°0	5th	63°0	19th	2°5	2°3	2°4	2°95	3°06	3°01	82°9	84°3	83°6
November	°851	49°1	49°1	49°1	44°2	53°3	32°2	15th	60°0	4th	2°4	2°5	2°5	2°94	2°91	2°93	83°5	82°8	83°2
December	29°738	39°4	39°3	39°4	34°5	43°4	18°0	28th	54°7	4th	1°9	1°9	1°9	2°09	2°06	2°08	83°4	83°0	83°2
Year	29°842	48°8	47°9	48°4	42°6	54°3	—	—	—	—	2°6	2°1	2°4	2°97	2°96	2°97	82°4	84°9	83°7

## DUNDEE

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

	ins.													in.	in.	in.	%	%	%
January	29.486	35.4	36.0	35.7	31.7	39.5	20.0	25th	45.9	19th	0.9	1.0	1.0	.192	.193	.193	90.8	89.7	90.3
February	.609	36.6	38.1	37.4	32.4	42.8	23.5	4th	50.4	11th	1.0	1.1	1.1	.200	.211	.206	90.0	90.0	90.0
March	.758	40.3	39.1	39.7	34.4	46.4	21.1	24th	61.0	17th	1.9	1.5	1.7	.216	.211	.214	84.3	86.5	85.4
April	.551	44.6	41.3	43.0	36.3	50.7	28.0	18th	59.9	26th	2.9	1.6	2.3	.237	.229	.233	79.8	87.2	83.5
May	.842	49.3	45.0	47.2	39.2	54.2	32.9	8th	71.7	31st	3.7	2.0	2.9	.268	.258	.263	77.2	86.6	81.9
June	.878	60.4	54.6	57.5	49.1	66.9	41.4	3rd	78.7	12th	4.1	2.4	3.3	.402	.363	.383	77.2	85.3	81.3
July	.832	62.7	58.7	60.7	53.4	68.7	47.9	9th	81.5	30th	3.8	2.3	3.1	.447	.428	.438	78.9	86.5	82.7
August	.899	60.7	56.8	58.8	52.0	68.3	45.2	29th	81.7	22nd	3.2	2.0	2.6	.435	.405	.420	82.0	87.6	84.8
September	.520	53.3	51.0	52.2	45.5	61.3	35.8	28th	71.7	11th	2.9	2.2	2.6	.335	.323	.329	81.5	85.3	83.4
October	.764	46.5	46.4	46.5	41.0	54.1	27.3	15th	62.3	10th	1.7	1.7	1.7	.282	.280	.281	87.8	87.7	87.8
November	.733	46.2	46.0	46.1	40.7	51.2	29.3	16th	56.5	2nd	1.8	1.7	1.8	.274	.276	.275	87.0	88.0	87.5
December	29.643	34.8	35.5	35.2	30.6	39.2	15.2	15th	54.4	4th	0.9	0.9	0.9	.189	.193	.191	90.5	90.3	90.4
Year	29.710	47.6	45.7	46.7	40.5	53.6	—	—	—	—	2.4	1.7	2.1	.290	.281	.286	83.9	87.6	85.8

## OCHTERTYRE

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

	ins.														in.	in.	in.	%	%	%
January	29.296	34.0	34.7	34.4	29.9	40.9	18.0	25th	49.0	29th	1.4	1.4	1.4	1.168	1.174	1.171	85	86	86	
February	412	35.7	36.6	36.2	31.0	44.4	18.0	27th	52.0	19th	1.6	1.4	1.5	1.180	1.190	1.185	85	88	87	
March	573	40.3	38.1	39.2	33.6	49.2	19.0	24th	68.0	17th	2.9	2.2	2.6	1.193	1.187	1.190	77	81	79	
April	366	45.0	40.0	42.5	35.6	52.5	25.0	17th	65.0	26th	4.0	2.1	3.0	1.214	1.205	1.210	72	83	81	
May	657	49.9	44.0	47.0	37.7	57.0	28.0	4th	70.0	29th	4.2	2.5	3.4	1.261	1.234	1.248	72	81	77	
June	695	61.2	54.6	57.9	47.9	70.5	40.0	14th	85.0	12th	5.3	2.9	4.1	1.379	1.347	1.363	71	81	76	
July	661	60.7	57.1	58.9	52.2	68.7	45.0	9th	81.0	31st	4.0	2.2	3.1	1.407	1.401	1.404	77	85	81	
August	712	61.3	56.8	59.0	51.2	72.1	41.0	10th	84.0	23rd	4.1	2.6	4.4	1.413	1.386	1.400	77	83	80	
September	344	54.0	49.5	51.8	43.8	62.2	31.0	28th	73.0	11th	3.4	2.3	2.8	1.324	1.297	1.311	78	84	81	
October	581	47.8	45.8	46.8	39.6	56.2	25.0	15th	66.0	20th	2.8	1.9	2.4	1.265	1.266	1.266	80	86	83	
November	547	46.2	46.1	46.2	40.7	51.6	30.0	15th	57.0	4th	2.0	2.0	2.0	1.267	1.266	1.267	86	86	86	
December	29.442	33.1	33.4	33.2	28.2	39.2	12.0	15th	54.0	4th	1.3	0.9	1.1	1.162	1.173	1.168	85	90	88	
Year	29.524	47.4	44.7	46.1	39.3	55.4	—	—	—	—	3.1	2.0	2.6	1.269	1.261	1.265	78.8	84.5	81.7	



## POLTALLOCH

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.						
					Min.	Max.	Min.	Day.	Max.	Day.													
											9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.				
	ins.																						
January	29°519	37°8	38°3	38°0	34°3	43°6	24°0	28th	50°3	9th	1°3	1°5	1°4	in.	in.	in.	%	%	%				
February	614	38°4	39°4	38°9	33°9	45°4	25°4	3rd	51°3	20th	1°5	1°5	1°5	202	201	202	90	87	89				
March	819	41°2	40°5	40°8	35°9	47°7	21°4	23rd	59°3	17th	1°4	1°2	1°3	229	224	227	88	88	88				
April	590	44°9	42°4	43°6	37°7	50°1	27°4	18th	58°3	27th	2°7	2°0	2°4	238	229	234	81	85	83				
May	863	50°5	46°9	48°7	41°2	56°8	33°4	7th	66°3	9th	4°3	2°6	3°5	264	261	263	72	82	77				
June	903	58°6	55°2	56°9	50°1	66°1	39°4	1st	76°3	15th	3°3	2°4	2°9	393	368	381	80	85	83				
July	886	59°2	57°4	58°3	56°9	66°2	50°0	10th	73°3	13th	2°0	2°4	2°2	439	429	434	88	91	90				
August	920	62°4	58°4	60°4	54°5	70°9	48°0	10th	80°3	15th	3°3	2°0	2°7	454	427	441	81	87	84				
September	600	53°2	50°8	52°0	47°4	59°7	37°0	28th	67°3	2nd	2°1	1°8	2°0	347	325	336	86	87	87				
October	812	48°5	47°7	48°1	43°5	54°8	34°4	5th	62°3	20th	2°1	1°4	1°8	290	297	294	85	90	88				
November	776	48°2	48°2	48°2	44°7	52°8	37°4	18th	59°3	5th	1°3	1°4	1°4	305	302	304	91	91	91				
December	29°642	37°8	37°8	37°8	35°3	42°5	26°4	28th	53°3	4th	0°9	0°7	0°8	210	213	212	93	94	94				
Year	29°745	48°4	46°9	47°6	43°0	54°7	—	—	—	—	2°2	1°7	2°0	298	291	295	85°3	88°1	86°7				

## EDINBURGH

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

	ins.													in.	in.	in.	%	%	%			
January	29.374	36.5	38.2	37.4	33.5	42.8	22.0	27th	51.5	19th	1.5	1.7	1.6	1.189	1.198	1.194	85.0	83.7	84.4			
February	487	37.6	39.4	38.5	34.4	44.8	22.1	27th	53.9	17th	1.8	2.0	1.9	1.193	1.204	1.199	83.5	82.5	83.0			
March	654	40.5	40.5	40.5	36.3	46.6	23.5	24th	62.9	17th	2.6	2.3	2.5	2.204	2.210	2.207	78.6	80.6	79.6			
April	436	45.5	43.2	44.4	37.5	50.3	28.5	12th	61.2	27th	3.1	2.8	3.0	2.242	2.225	2.234	78.6	79.6	79.1			
May	723	48.0	45.1	46.6	40.7	53.0	33.2	6th	70.8	31st	3.5	2.4	3.0	2.257	2.249	2.253	77.2	82.9	80.1			
June	759	60.1	55.8	58.0	50.4	66.1	44.4	3rd	79.6	12th	4.7	3.3	4.0	3.380	3.357	3.369	73.1	80.1	76.6			
July	725	61.8	58.8	60.3	53.8	65.9	48.0	5th	78.0	31st	4.1	2.5	3.3	4.244	4.223	4.233	77.4	84.7	81.1			
August	783	61.5	59.1	60.3	53.4	69.5	47.0	10th	82.7	24th	3.7	2.7	3.2	4.433	4.423	4.428	79.3	83.6	81.5			
September	426	53.4	51.7	52.6	47.3	60.4	37.2	28th	69.1	4th	3.1	3.0	3.1	3.331	3.312	3.322	80.3	80.5	80.4			
October	656	48.0	47.8	47.9	42.5	55.7	32.2	15th	67.4	19th	2.6	2.5	2.6	2.279	2.278	2.279	82.4	82.2	82.3			
November	640	47.3	47.6	47.5	42.8	52.1	33.5	18th	59.3	2nd	2.7	2.6	2.7	2.265	2.272	2.269	80.9	82.1	81.5			
December	29.523	35.3	36.2	35.8	31.7	40.1	18.3	15th	53.3	4th	1.6	1.5	1.6	1.179	1.186	1.183	83.9	84.5	84.2			
Year	29.599	48.0	47.0	47.5	42.0	53.9	—	—	—	—	2.9	2.4	2.7	2.281	2.278	2.280	80.0	82.3	81.2			

## GLASGOW

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

	ins.													in.	in.	in.	%	%	%			
January	29.467	36.7	37.9	37.3	33.6	41.8	22.1	27th	50.5	18th	1.3	1.6	1.5	1.195	1.200	1.198	87.7	85.8	86.8			
February	569	37.5	39.7	38.6	35.3	44.0	25.4	26th	50.4	9, 11	1.6	1.8	1.7	1.197	1.213	1.205	85.5	85.1	85.3			
March	758	40.1	40.5	40.3	36.4	45.7	24.1	24th	58.4	17th	2.2	2.1	2.2	2.209	2.213	2.211	81.5	81.0	81.3			
April	537	44.2	42.7	43.5	38.7	49.6	30.2	17th	59.9	26th	3.2	2.7	3.0	2.229	2.222	2.226	77.4	80.1	78.8			
May	813	48.0	46.3	47.2	41.2	54.1	34.2	5th	68.1	31st	4.1	3.0	3.6	2.246	2.248	2.247	73.5	79.5	76.5			
June	848	59.0	56.9	58.0	50.9	66.8	44.7	3rd	77.6	12th	4.6	3.8	4.2	3.368	3.364	3.367	73.9	77.6	75.8			
July	831	59.1	58.0	58.6	54.0	65.4	49.1	4th	75.1	31st	3.4	2.3	2.9	4.01	4.016	4.009	80.0	86.0	83.0			
August	871	59.4	59.4	59.4	53.8	68.6	46.0	10th	80.1	24th	3.1	2.7	2.9	4.14	4.125	4.120	81.5	83.5	82.5			
September	533	52.3	51.1	51.7	46.8	58.2	36.1	28th	67.8	4th	2.6	2.3	2.5	3.331	3.321	3.326	83.3	84.2	83.8			
October	761	47.1	47.6	47.4	43.1	53.5	32.4	15th	61.4	19th	2.1	1.9	2.0	2.282	2.290	2.286	85.7	86.5	86.1			
November	741	47.2	47.5	47.4	44.0	51.3	32.2	18th	58.7	4th	2.0	2.1	2.1	2.282	2.283	2.283	86.4	85.3	85.9			
December	29.607	35.4	36.5	36.0	32.4	40.4	18.0	28th	53.3	4th	1.2	1.3	1.3	1.187	1.195	1.191	87.6	87.7	87.7			
Year	29.695	47.2	47.0	47.1	42.5	53.3	—	—	—	—	2.6	2.3	2.5	2.278	2.282	2.280	82.0	83.5	82.8			

## POLTALLOCH.

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

1899.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
				ins.	ins.																	
January	—	—	—	6.46	1.47	19th	22	3	1	0	—	—	2	3	2	3	4	5	13	6	2	24
February	—	—	—	2.71	.39	9th	13	4	0	0	—	—	0	1	2	6	5	15	3	7	0	17
March	—	—	—	3.88	1.05	26th	15	4	0	0	—	—	0	7	5	2	0	1	6	21	4	16
April	—	—	—	5.59	.74	29th	16	0	0	0	—	—	1	9	11	1	4	5	7	10	2	11
May	—	—	—	2.84	.57	19th	15	0	0	0	—	—	0	1	5	4	9	6	1	2	6	28
June	—	—	—	2.26	.56	28th	8	0	0	0	—	—	0	1	5	2	2	4	5	12	1	28
July	—	—	—	4.55	.78	25th	16	0	0	0	—	—	1	2	3	0	0	3	8	17	1	28
August	—	—	—	3.42	1.60	29th	12	0	0	1	—	—	2	2	2	3	5	10	4	4	4	28
September	—	—	—	6.15	1.03	16th	24	0	0	3	—	—	2	4	1	2	0	6	2	19	12	14
October	—	—	—	4.85	.87	12th	18	0	0	1	—	—	3	2	4	6	2	8	11	10	3	16
November	—	—	—	4.74	.60	27th	24	0	1	1	—	—	7	1	0	0	0	2	21	22	2	12
December	—	—	—	4.77	.84	4th	14	5	1	0	—	—	1	3	3	4	12	9	5	2	4	20
Year	—	—	—	52.22	—	—	197	16	3	6	—	—	19	36	43	33	43	74	86	132	41	242



## ROSEWELL

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

1899	Mean Pressure at 32° Falt.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 28.924	35.8	34.8	35.3	29.7	42.1	20.0	25th	50.0	21st	1.4	1.3	1.4	ins. 185	176	181	88	88	88
February	29.038	37.8	36.9	37.4	30.7	44.6	22.0	4th	52.0	12th	1.8	1.7	1.8	192	187	190	85	86	86
March	29.212	39.7	37.7	38.7	34.1	46.0	19.0	24th	63.0	17th	1.7	1.7	1.7	210	193	202	86	85	86
April	28.996	43.3	41.3	42.3	36.9	49.1	26.0	19th	61.0	24th	2.3	1.9	2.1	231	221	226	82	85	84
May	29.277	47.3	43.9	45.6	39.0	52.6	31.0	6th	71.0	31st	3.1	2.0	2.6	254	244	249	78	85	82
June	329	60.5	53.4	57.0	48.8	66.7	41.0	15th	79.0	12th	7.1	2.6	4.8	325	337	331	62	83	73
July	294	59.8	56.6	58.2	52.4	65.5	48.5	5th	80.0	31st	3.5	1.9	2.7	406	403	405	79	87	83
August	29.347	62.2	58.0	60.1	51.7	69.5	43.0	10th	83.0	24th	4.1	2.8	3.5	427	399	413	77	82	80
September	28.980	51.7	49.2	50.5	44.4	58.8	33.0	28th	68.0	12th	2.6	2.6	2.6	317	287	302	83	82	83
October	29.213	47.9	45.1	46.5	39.0	53.9	30.0	15th	68.0	19th	2.3	1.5	1.9	279	265	272	84	88	86
November	2906	45.7	43.6	44.6	40.2	48.6	30.0	18th	54.0	26th	1.8	1.5	1.7	266	250	258	87	88	88
December	29.066	34.0	34.0	34.0	29.2	39.3	18.0	13th	53.0	4th	1.2	1.1	1.2	172	174	173	87	88	88
Year	29.157	47.1	44.5	45.8	39.7	53.1	—	—	—	—	2.7	1.9	2.3	272	261	267	81.5	85.6	83.6

## ROTHESAY

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

1899	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.543	37.8	38.2	38.0	34.2	43.8	25.0	28th	51.2	18th	1.4	1.6	1.5	ins. 200	199	200	89	87	88
February	638	38.2	38.9	38.6	35.2	45.7	26.5	4th	50.5	21st	1.4	1.6	1.5	202	206	204	88	88	88
March	844	41.2	39.7	40.4	36.2	47.9	24.2	22nd	59.3	17th	2.4	2.3	2.4	212	200	206	82	81	82
April	624	45.4	41.3	43.3	37.8	50.7	29.8	18th	64.5	26th	2.8	1.7	2.3	242	225	234	80	87	84
May	898	50.1	45.8	48.0	41.2	56.9	35.5	4th	70.0	31st	3.9	2.5	3.2	268	253	261	74	82	78
June	933	60.2	56.6	58.4	49.9	67.0	41.5	3rd	76.6	15th	3.9	2.7	3.3	401	380	391	77	82	80
July	915	58.9	56.9	57.9	52.9	66.0	48.0	10th	74.2	31st	2.2	1.5	1.9	429	418	424	86	91	89
August	948	61.9	57.4	59.6	52.4	70.3	46.0	9th	80.3	23rd	2.8	1.8	2.3	460	417	439	84	89	87
September	623	53.0	50.1	51.6	45.8	59.5	34.5	28th	67.0	1st	1.6	1.4	1.5	358	326	342	89	90	90
October	840	48.2	46.5	47.4	42.2	55.8	32.0	14th	63.0	19th	1.4	0.9	1.2	302	295	299	91	93	92
November	812	48.2	47.0	47.6	43.6	52.1	34.0	18th	57.0	4th	2.0	1.7	1.9	288	282	285	86	88	87
December	29.688	36.6	36.5	36.6	33.4	42.0	22.0	28th	53.5	4th	1.1	1.1	1.1	196	195	196	91	91	91
Year	29.775	48.3	46.2	47.3	42.1	54.8	—	—	—	—	2.2	1.7	2.0	297	283	290	84.8	87.4	86.1

## MARCHMONT

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

1899	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.142	35.5	36.5	36.0	31.7	41.5	20.0	27th	49.0	19th	1.4	1.3	1.4	ins. 181	191	186	87	89	88
February	255	36.2	38.4	37.3	32.6	45.3	23.0	26th	54.0	17th	1.4	1.6	1.5	187	200	194	88	87	88
March	407	38.9	39.3	39.1	32.7	46.5	19.0	24th	64.0	17th	1.9	1.8	1.9	200	206	203	85	86	86
April	198	44.4	42.2	43.3	36.0	49.8	27.0	18th	59.0	27th	2.9	2.3	2.6	230	221	226	79	83	81
May	470	47.1	44.0	45.6	37.9	52.2	30.0	1st	72.0	31st	3.8	2.2	3.0	238	240	239	74	83	79
June	522	60.2	53.5	56.8	48.0	65.8	40.0	14th	76.0	6th	5.8	2.7	4.3	352	336	344	67	83	75
July	490	60.7	57.2	59.0	52.0	66.7	44.0	1st	80.0	21st	4.0	2.2	3.1	407	403	405	77	86	82
August	549	61.8	57.2	59.5	51.1	69.3	42.0	10th	81.0	1st	3.3	2.1	2.7	445	406	426	81	87	84
September	165	53.2	50.8	52.0	44.9	59.4	35.0	29th	71.0	7th	3.4	2.5	3.0	315	309	312	78	83	81
October	414	46.5	48.4	47.4	41.2	54.6	31.0	15th	66.0	18th	2.1	2.8	2.5	268	273	271	85	81	83
November	415	45.0	45.7	45.4	38.7	51.3	31.0	16th	58.0	5th	1.8	1.8	1.8	257	266	262	86	87	87
December	29.276	33.1	33.6	33.4	29.5	38.4	16.0	14th	53.0	4th	1.4	1.3	1.4	160	166	163	84	86	85
Year	29.359	46.9	45.6	46.3	39.7	53.4	—	—	—	—	2.8	2.1	2.5	270	268	269	80.9	85.1	83.0

## ROSEWELL.

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

Heights a e Ground.																								
1899.	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	6.4	6.1	6.3	ins. 4.03	ins. 4.03	20th	18	4	0	0	6	15	2	0	0	2	2	1	36	19	2	0		
February	5.2	4.8	5.0	1.47	4.0	11th	12	4	0	0	8	9	1	2	3	2	2	2	33	10	2	0		
March	6.5	4.8	5.6	2.66	6.5	28th	18	11	2	0	3	10	1	10	4	2	0	1	12	31	2	0		
April	6.2	6.4	6.3	3.46	6.0	20th	24	3	0	0	3	10	0	7	9	5	3	0	10	17	9	0		
May	6.3	5.4	5.8	3.56	9.8	19th	18	1	0	0	7	13	0	0	13	31	3	0	2	11	2	0		
June	4.7	4.1	4.4	1.46	4.1	28th	11	0	0	0	5	9	0	0	3	19	8	0	6	23	1	0		
July	6.6	6.4	6.5	3.69	1.06	1st	16	0	0	2	3	14	1	0	6	7	2	0	6	28	13	0		
August	5.7	4.3	5.0	0.56	2.5	28th	10	0	0	1	7	7	0	0	3	17	8	0	12	19	3	0		
September	5.1	4.8	5.0	3.24	7.7	30th	17	0	1	0	2	5	0	0	0	3	0	1	7	39	10	0		
October	6.0	4.5	5.3	2.11	5.5	30th	15	0	1	0	7	7	1	0	1	2	1	0	17	40	1	0		
November	6.2	6.3	6.2	3.55	6.5	2nd	21	0	0	0	8	14	1	0	0	1	0	0	22	37	0	0		
December	6.5	7.0	6.8	3.10	5.0	28th	14	7	0	0	5	17	1	1	2	4	9	0	22	22	2	0		
Year	6.0	5.4	5.7	32.89	—	—	194	30	4	3	64	130	8	20	44	95	38	5	185	296	47	0		

## ROTHESAY.

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

Heights above Ground:—Baromet.																							
					ins.	ins.	18th																
January	-	8°0	6°9	7°5	6°80	1°35	22	2	0	0	1	15	1	0	1	6	8	7	3	13	5	19	
February	-	6°7	5°5	6°1	2°98	°74	8th	15	2	0	0	7	12	0	2	5	15	3	3	14	0	1	13
March	-	6°9	5°9	6°4	3°75	1°18	25th	17	1	0	0	8	17	0	4	3	4	2	3	6	24	9	7
April	-	7°5	6°2	6°8	4°91	°74	18th	19	0	1	0	4	13	0	3	4	10	4	8	6	10	7	8
May	-	6°2	6°3	6°2	3°44	1°10	19th	13	0	0	0	9	16	0	0	16	19	4	0	5	8	1	9
June	-	6°4	5°7	6°0	2°27	°58	17th	16	0	0	2	7	14	0	2	12	7	3	4	4	15	8	5
July	-	9°0	7°7	8°4	5°51	°97	11th	18	0	0	0	0	20	0	1	11	1	0	7	4	21	8	9
August	-	6°2	4°9	5°6	2°63	1°08	29th	11	0	0	1	8	9	0	1	7	14	6	1	2	13	3	15
September	-	8°1	6°1	7°1	5°78	°74	15th	28	0	1	3	0	11	1	0	3	1	1	2	10	13	22	8
October	-	6°4	6°8	6°6	3°66	°66	11th	20	1	2	1	4	15	1	1	2	5	3	11	1	17	6	16
November	-	8°4	8°5	8°5	4°60	°96	3rd	24	0	0	0	1	23	4	0	1	3	3	12	15	17	3	6
December	-	7°8	8°3	8°0	6°41	1°34	3rd	22	7	0	0	2	19	0	0	12	8	11	5	4	7	5	10
Year	-	7°3	6°6	7°0	52°74	—	—	225	13	4	7	51	184	7	14	77	93	48	63	74	158	78	125



LADYLAW (NEAR HAWICK)

Long. 2° 47' W. Lat. 55° 28' N. Height above Mean Sea Level, 447 feet. Gravity Correction, +.026 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
	ins.													in.	in.	in.	%	%	%	
January	-	29° 19'1	35° 3	36° 0	35° 7	30° 6	42° 5	12° 0	27th	50° 2	18th	1° 1	1° 3	1° 2	187	190	189	85° 6	85° 8	85° 7
February	-	29° 2	36° 4	38° 0	37° 2	31° 0	46° 0	16° 4	4th	54° 2	22nd	1° 5	1° 6	1° 6	189	200	195	83° 2	83° 9	83° 6
March	-	29° 463	40° 1	38° 0	39° 1	31° 7	47° 6	14° 0	24th	65° 4	17th	1° 6	1° 4	1° 5	220	203	212	86° 5	84° 2	85° 4
April	-	29° 236	45° 1	41° 6	43° 4	35° 4	50° 3	22° 4	12th	60° 3	27th	2° 0	1° 6	1° 8	258	233	246	85° 0	87° 5	86° 3
May	-	29° 514	47° 9	44° 1	46° 0	36° 0	53° 3	25° 0	6th	69° 2	31st	2° 3	2° 0	2° 2	283	248	266	84° 5	83° 3	84° 9
June	-	29° 563	61° 6	56° 0	58° 8	44° 1	68° 7	35° 0	3, 4	80° 0	6th	3° 5	3° 0	3° 3	441	365	403	80° 1	81° 4	80° 8
July	-	29° 541	60° 8	58° 0	59° 4	51° 2	67° 0	43° 0	5th	78° 8	30th	2° 0	1° 9	2° 0	468	425	447	88° 0	87° 9	88° 0
August	-	29° 583	62° 3	57° 9	60° 1	49° 7	71° 2	36° 0	10th	83° 2	2nd	3° 7	1° 9	2° 8	449	426	438	78° 8	88° 3	83° 6
September	-	29° 246	53° 8	50° 0	51° 9	42° 3	61° 6	30° 8	29th	72° 2	7th	2° 0	1° 9	2° 0	366	317	342	86° 7	86° 7	86° 7
October	-	29° 487	46° 8	44° 1	45° 5	35° 8	57° 3	20° 8	15th	68° 2	18th	1° 9	1° 9	1° 9	280	253	267	86° 0	85° 1	85° 6
November	-	29° 479	46° 1	44° 8	45° 5	36° 9	53° 0	26° 4	17, 18	60° 4	5th	2° 0	1° 9	2° 0	270	261	266	85° 6	85° 7	85° 7
December	-	29° 333	32° 9	33° 5	33° 2	26° 3	40° 2	9° 4	15th	54° 8	1st	1° 4	1° 3	1° 4	160	167	164	78° 7	82° 7	80° 7
Year	-	29° 411	47° 4	45° 2	46° 3	37° 6	54° 9	—	—	—	—	2° 1	1° 8	2° 0	298	274	286	84° 1	85° 4	84° 8

## WOLFELEE

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

[illegible]

COCKLE PARK (NEAR MORPETH)

Long. 1° 41' W. Lat. 55° 13' N. Height above Mean Sea Level, 324 feet. Gravity Correction, +.026 in.

	ins.													in.	in.	in.	%	%	%
January	29°33'8	37°4	37°6	37°5	32°4	43°2	20°0	25th	58°0	19th	1°1	1°1	1°1	2°05	2°05	2°05	89°0	87°8	88°4
February	45°6	37°1	37°0	37°1	32°1	44°2	23°0	5th	55°0	10th	1°3	1°1	1°2	1°97	2°00	2°09	87°4	88°0	88°1
March	60°4	38°7	38°6	38°7	32°7	46°5	17°0	21st	64°0	17th	1°7	1°4	1°6	2°06	2°10	2°08	85°2	86°8	85°6
April	38°4	44°9	40°8	42°9	36°4	49°8	27°0	18th	60°0	28th	3°0	1°3	2°2	2°39	2°31	2°35	78°9	89°0	84°0
May	66°6	48°1	43°7	45°9	38°5	53°1	32°0	5th	71°5	31st	3°4	1°1	2°3	2°61	2°65	2°63	77°8	92°4	85°1
June	71°9	59°6	52°2	55°9	46°8	55°2	38°0	14th	79°0	6th	5°0	1°5	3°3	3°70	3°54	3°62	72°9	90°2	81°6
July	68°1	61°0	56°7	58°9	52°0	67°2	46°0	9, 15	74°5	30th	2°8	0°8	1°8	4°49	3°39	4°44	84°1	94°8	89°5
August	74°5	61°1	55°7	58°4	50°6	66°7	43°0	10th	79°0	22nd	3°6	1°2	2°4	4°30	4°13	4°22	79°3	92°2	85°8
September	38°0	52°9	50°0	51°5	43°9	60°9	31°5	29th	74°0	4, 7	3°1	1°9	2°5	3°26	3°18	3°22	80°3	87°5	83°9
October	63°0	46°8	45°8	46°3	38°5	55°1	30°0	14th	66°0	19, 20	1°9	1°5	1°7	2°79	2°76	2°78	86°1	88°3	87°2
November	64°2	45°9	44°8	45°4	38°7	52°5	31°0	3rd	63°0	5th	1°9	1°9	1°9	2°69	2°59	2°64	86°8	85°9	86°4
December	29°48'8	34°3	34°0	34°2	29°3	38°6	19°0	23rd	53°0	4th	1°3	1°1	1°2	1°74	1°75	1°75	84°1	85°8	85°0
Year	29°56'1	47°3	44°7	46°0	39°3	53°6	—	—	—	—	2°5	1°3	1°9	2°84	2°79	2°82	82°7	89°1	85°9

LADYLA W (NEAR HAWICK).

Heights above Ground :—Barometer, 15 feet. Thermometers, 4 feet. Rain-gauge, 10 inches.

1899.		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°0	6°0	6°5	ins. 3°566	ins. ·816	18th	19	4	0	0	6	16	0	2	0	1	0	2	28	11	11	7	
February	-	5°6	5°1	5°4	2°162	·542	10th	10	0	0	0	8	7	0	0	1	4	5	4	30	5	1	6	
March	-	6°8	4°4	5°6	2°830	1°066	28th	12	2	0	0	8	12	0	6	2	4	2	1	29	13	1	4	
April	-	6°5	6°3	6°4	2°244	·306	6th	18	0	0	0	3	12	0	3	2	2	0	1	25	16	10	1	
May	-	6°9	6°4	6°7	2°586	·358	19th	16	1	0	1	6	15	0	19	8	10	2	0	8	10	3	2	
June	-	5°3	3°9	4°6	1°064	·482	28th	8	0	0	0	9	8	0	11	0	4	7	2	20	14	2	0	
July	-	8°2	7°0	7°6	3°832	1·234	12th	10	0	0	1	1	16	0	5	0	1	0	4	18	26	4	4	
August	-	4°8	5°3	5°1	0°391	·168	19, 29	3	0	0	0	7	7	0	3	2	8	1	5	16	19	1	7	
September	-	7°7	5°9	6°8	3°190	·742	30th	17	0	0	1	3	11	0	2	0	0	0	2	25	26	3	2	
October	-	5°2	4°1	4°7	1°758	·428	1st	11	0	0	0	13	10	0	0	0	1	4	4	32	11	3	7	
November	-	7°4	6°9	7°2	3°968	·744	4th	12	0	0	0	5	18	0	0	0	0	0	7	28	20	3	2	
December	-	6°8	7°6	7°2	1°366	·454	5th	10	5	0	0	5	18	0	8	0	2	5	1	13	15	7	11	
Year	-	6°5	5°7	6°1	28°957	—	—	146	12	0	3	74	150	0	59	15	37	26	33	272	186	49	53	

## WOLFELEE.

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

[illegible]

COCKLE PARK (NEAR MORPETH).

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

[illegible]



## PINMORE

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.													
January	ins. 29.465	37.1	37.4	37.3	32.6	44.6	18.0	28th	51.5	19th	0.9	1.0	1.0	in. 203	204	204	92	92	92
February	558	37.1	37.6	37.4	31.7	46.3	17.0	3rd	53.0	24th	1.3	0.9	1.1	195	208	202	88	92	90
March	775	41.0	39.6	40.3	33.3	50.7	15.0	24th	65.0	16th	1.3	0.9	1.1	229	225	227	90	93	92
April	543	46.3	42.2	44.3	36.6	51.6	24.9	18th	61.0	26th	2.5	1.2	1.8	258	243	251	83	90	87
May	812	52.4	44.8	48.6	36.8	57.7	27.6	4th	70.6	31st	4.5	1.4	3.0	281	264	273	72	89	81
June	850	61.8	55.3	58.6	46.4	68.5	35.5	3rd	77.5	13th	3.7	1.2	2.4	432	402	417	79	92	86
July	848	60.7	58.0	59.4	53.6	66.9	46.5	5th	75.8	31st	2.3	1.0	1.7	456	451	454	86	93	90
August	873	62.9	56.9	59.9	49.3	71.8	38.0	9th	81.8	1st	2.5	1.0	1.8	488	433	461	85	94	90
September	562	52.6	50.3	51.5	44.3	59.6	30.5	28th	70.9	7th	0.9	0.9	0.9	372	342	357	94	94	94
October	780	46.3	45.5	45.9	39.1	56.4	27.0	21st	63.5	20th	1.2	1.2	1.2	285	277	281	92	91	92
November	767	47.3	46.7	47.0	42.4	52.0	27.0	18th	58.5	4th	1.5	1.6	1.6	289	281	285	90	89	90
December	29.598	35.0	35.9	35.5	31.0	42.5	13.0	28th	53.2	7th	1.0	1.2	1.1	184	190	187	90	90	90
Year	29.703	48.4	45.9	47.2	39.8	55.7	—	—	—	—	2.0	1.1	1.6	306	293	300	86.8	91.6	89.2

## GLENLEE

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

1899.	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.													
January	29.480	35.9	37.0	36.4	42.3	43.5	15.0	28th	53.0	18th	1.0	1.2	1.1	194	196	195	92	89	91
February	567	36.2	37.4	36.8	31.5	45.4	15.0	4th	52.0	10th	0.9	1.5	1.2	197	194	196	92	87	90
March	764	41.3	39.5	40.4	32.1	49.3	12.5	24th	66.0	17th	2.2	1.7	2.0	215	209	212	83	86	85
April	533	45.9	42.5	44.2	37.4	50.9	21.0	18th	60.2	26th	3.5	2.0	2.8	234	230	232	76	85	81
May	806	50.4	45.7	48.0	37.6	56.2	26.5	4th	68.2	31st	4.3	2.4	3.4	263	254	259	73	83	78
June	844	61.8	56.6	59.2	47.7	68.3	35.0	3rd	81.0	16th	5.2	3.2	4.2	390	367	379	71	79	75
July	832	60.5	58.3	59.4	51.5	66.5	42.0	11th	76.0	31st	3.3	2.0	2.6	422	426	424	80	87	84
August	866	62.8	57.1	60.0	49.0	70.8	41.0	16th	79.5	2nd	4.0	2.3	3.2	440	398	419	77	85	81
September	559	53.1	50.5	51.8	43.6	59.8	30.0	28th	71.0	7th	1.8	2.0	1.9	354	317	336	87	87	87
October	770	46.3	44.5	45.4	37.7	55.1	22.5	15th	60.5	18th	1.9	1.1	1.5	270	268	269	87	91	89
November	786	47.7	46.7	47.2	42.0	51.9	28.0	18th	58.0	5th	2.2	1.4	1.8	279	286	283	85	90	88
December	29.606	33.4	34.6	34.0	28.6	40.5	0.9	14th	54.0	4th	0.9	1.0	1.0	173	181	177	90	91	91
Year	29.701	47.9	45.9	46.9	40.1	54.9	—	—	—	—	2.6	1.8	2.2	286	277	282	82.8	86.7	84.8

## CARGEN

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

1899.	ins.	Air Temperature.									Humidity.								
		9 a.m. 9 p.m. Mean.			Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
		9 a.m.	9 p.m.	Mean.	Min.		Max.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
					Min.	Max.													
January	29.623	36.8	38.3	37.5	33.0	43.5	18.0	27th	51.0	4th	0.9	1.2	1.1	201	207	204	93	90	92
February	710	38.0	40.0	39.0	33.4	46.5	19.0	4th	52.0	22nd	1.2	1.3	1.3	204	220	212	89	90	90
March	906	40.7	41.6	41.2	34.6	48.8	18.0	24th	60.0	17th	1.7	1.7	1.7	218	228	223	86	87	87
April	656	45.6	44.2	44.9	37.2	51.1	25.0	18th	59.0	26th	2.5	2.0	2.3	250	246	248	82	85	84
May	925	50.1	48.2	49.2	38.9	56.5	30.0	4th	69.0	31st	3.1	2.6	2.9	285	274	280	79	82	81
June	970	62.4	59.1	60.7	48.4	70.0	38.0	3rd	81.6	16th	4.8	3.2	4.0	411	403	407	73	80	77
July	29.975	61.9	60.3	61.1	53.0	68.0	45.0	5th	80.0	31st	2.9	2.2	2.6	457	452	455	83	87	85
August	30.007	63.2	61.4	62.3	51.9	73.1	45.0	9th	83.0	2nd	3.4	2.5	3.0	466	462	464	80	85	83
September	29.693	53.5	53.2	53.4	45.0	61.4	34.0	28th	79.0	6th	2.3	2.3	2.3	345	343	344	84	84	84
October	915	46.3	47.7	47.0	39.4	56.4	26.0	15th	63.0	18th	2.0	1.8	1.9	268	288	278	86	87	87
November	916	46.9	47.3	47.1	42.9	52.2	27.0	18th	57.0	5th	1.9	1.8	1.9	276	283	280	87	88	88
December	29.750	34.6	35.6	35.1	31.4	40.7	12.0	15th	53.0	4th	0.8	1.1	1.0	185	189	187	93	90	92
Year	29.837	48.3	48.1	48.2	40.8	55.7	—	—	—	—	2.3	2.0	2.2	297	300	299	84.6	86.3	85.5

## PINMORE.

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

1890.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm	
January	-	8.0	5.7	6.8	ins. 5.36	ins. 8.3	18th	22	0	0	0	2	12	3	5	3	2	9	12	4	8	6	13	
February	-	6.7	4.3	5.5	2.69	4.4	8th	15	2	0	0	4	7	1	4	2	5	4	14	6	3	2	16	
March	-	6.7	5.3	6.0	2.99	5.3	28th	17	0	0	0	5	13	0	4	5	2	1	8	14	6	5	17	
April	-	6.6	5.1	5.8	4.66	4.9	12th	23	0	1	0	4	10	0	4	8	1	9	8	13	1	4	12	
May	-	5.9	5.2	5.6	3.42	8.1	19th	12	0	0	0	5	11	0	3	0	2	9	8	13	3	4	20	
June	-	5.6	5.4	5.5	1.82	4.6	27th	11	0	0	0	5	9	1	0	0	0	4	10	12	5	0	29	
July	-	5.6	5.4	5.5	4.62	1.75	11th	14	0	0	0	0	17	1	0	0	0	9	23	7	8	15		
August	-	7.9	8.6	7.3	4.89	3.7	28th	13	0	0	0	5	11	1	0	0	1	4	13	10	5	28		
September	-	5.6	5.0	5.3	1.89	3.7	26th	25	0	0	0	0	12	3	1	2	0	2	9	9	21	16		
October	-	8.4	5.7	7.0	6.55	1.59	3rd	14	0	0	1	4	8	0	5	0	3	4	13	3	11	23		
November	-	6.7	5.2	6.0	3.88	8.6	3rd	18	0	1	0	1	13	1	0	1	0	1	7	27	7	7	10	
December	-	8.1	6.3	7.2	6.06	1.17	3rd	22	5	0	0	1	20	0	0	1	3	20	12	5	1	1	19	
Year	-	8.0	7.3	7.7	5.51	5.8	3rd	206	7	2	1	36	143	11	21	27	16	61	98	152	63	74	218	



## SEAHAM

Long. 1° 19' W. Lat. 54° 50' N. Height above Mean Sea Level, 139 feet. Gravity Correction, +.027 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.548	39.7	39.5	39.6	35.3	44.8	25.5	28th	53.9	19th	1.5	1.5	1.5	21.7	21.6	21.7	86.7	87.0	86.9
February	.669	40.0	39.9	40.0	34.7	46.7	25.5	4th	58.5	10th	1.8	1.7	1.8	21.5	21.6	21.6	85.1	85.8	85.5
March	.820	42.0	40.1	41.1	35.0	47.9	20.0	21st	63.1	17th	2.8	2.0	2.4	21.5	21.5	21.5	78.4	85.7	82.1
April	.587	46.7	42.9	44.8	38.6	51.2	20.8	17th	63.4	28th	2.9	1.7	2.3	25.8	24.3	25.1	80.2	86.6	83.4
May	.860	49.9	46.4	48.2	41.5	53.2	31.4	5th	74.8	31st	3.6	2.1	2.9	27.8	26.9	27.4	78.5	85.0	81.8
June	.913	60.6	54.7	57.7	49.3	64.4	39.4	15th	81.2	6th	5.2	2.2	3.7	37.9	37.0	37.5	72.4	86.0	79.2
July	.885	63.6	59.4	61.5	54.2	68.3	49.4	9th	77.1	31st	4.6	2.5	3.6	44.0	43.0	43.5	75.5	85.1	80.3
August	.946	63.1	58.0	60.6	53.1	66.8	47.6	18th	77.3	1st	4.3	2.0	3.2	44.1	43.3	43.7	76.7	87.6	82.2
September	.588	57.2	53.6	55.4	48.1	62.0	36.6	29th	76.0	5th	4.6	2.5	3.6	34.6	34.8	34.7	73.5	83.7	78.6
October	.841	50.5	47.7	49.1	41.7	55.9	31.2	15th	63.3	18th	3.3	2.0	2.7	29.1	28.7	28.9	78.4	85.6	82.0
November	.865	48.4	47.0	47.7	42.4	53.1	32.5	18th	61.9	5th	2.5	2.1	2.3	28.4	27.8	28.1	83.5	85.1	84.3
December	29.701	36.7	36.0	36.4	31.7	40.7	19.5	13th	54.6	4th	1.3	1.2	1.3	19.6	19.3	19.5	88.0	88.2	88.1
Year	29.769	49.9	47.1	48.5	42.1	54.6	—	—	—	—	3.2	2.0	2.6	29.7	29.1	29.4	79.7	86.0	82.9

## DURHAM

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.321	37.0	38.0	37.5	33.1	43.3	20.0	28th	52.3	21st	0.6	0.9	0.8	21.3	21.4	21.4	93.6	90.6	92.1
February	.438	37.3	38.5	37.9	31.2	45.1	20.1	4th	57.4	10th	0.8	0.8	0.8	21.0	22.2	21.6	91.6	93.4	92.5
March	.596	40.6	39.0	39.8	32.4	48.5	20.4	21st	66.7	17th	1.3	0.6	1.0	23.1	23.2	23.2	87.8	94.5	91.2
April	.359	45.8	42.0	43.9	36.6	51.9	26.7	17th	62.7	28th	2.3	1.2	1.8	26.2	24.7	25.5	83.4	90.4	86.9
May	.628	49.0	45.1	47.1	38.6	54.1	27.8	5th	74.5	31st	2.8	1.4	2.1	28.5	27.2	27.9	82.1	90.6	86.4
June	.684	61.6	55.1	58.4	46.8	68.9	34.3	14th	81.7	6th	4.7	1.6	3.2	40.5	39.1	39.8	74.6	90.0	82.3
July	.657	64.0	58.9	61.5	52.9	70.7	46.4	9th	81.6	30th	3.2	1.3	2.3	48.9	46.0	47.5	82.4	91.8	87.1
August	.713	62.5	58.1	60.3	51.6	70.2	43.2	11th	86.6	1st	2.8	1.1	2.0	47.8	45.4	46.6	84.4	93.7	89.1
September	.381	56.1	51.8	54.0	46.3	62.9	31.3	29th	76.5	5th	3.7	1.6	2.7	35.7	35.0	35.4	77.8	89.1	83.5
October	.611	47.5	46.0	46.8	38.8	55.3	28.9	20th	61.5	19th	1.9	1.2	1.6	28.9	28.6	28.8	87.0	91.0	89.0
November	.628	46.3	45.8	46.1	39.8	52.7	27.8	17th	61.8	5th	1.8	1.8	1.8	27.8	27.3	27.6	87.9	87.2	87.6
December	29.455	33.9	33.6	33.8	29.0	38.5	16.0	13th	53.5	4th	0.8	0.8	0.8	18.6	18.2	18.4	92.7	92.3	92.5
Year	29.539	48.5	46.0	47.3	39.8	55.2	—	—	—	—	2.2	1.2	1.7	30.7	29.9	30.3	85.4	91.2	88.3

## ROUNTON

Long. 1° 18' W. Lat. 54° 24' N. Height above Mean Sea Level, 242 feet. Gravity Correction, +.025 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		Means of			Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
		ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
January	29.446	38.1	38.3	38.2	32.8	43.9	16.3	26th	53.8	21st	1.3	1.2	1.3	20.4	20.8	20.6	89	90	90
February	.567	38.4	39.3	38.9	33.9	45.7	21.7	4th	57.8	10th	1.6	1.8	1.7	20.0	20.4	20.2	86	85	85
March	.728	40.3	38.1	39.2	32.2	48.2	15.3	21st	64.8	17th	2.5	1.7	2.1	20.0	19.6	19.8	80	85	83
April	.485	45.5	41.7	43.6	36.9	51.1	26.5	12th	60.8	28th	2.9	1.6	2.2	24.0	23.0	23.5	79	87	83
May	.750	48.8	44.0	46.4	38.2	54.2	26.5	5th	71.8	31st	3.1	1.6	2.4	27.1	25.2	26.2	79	88	83
June	.805	60.0	54.3	57.1	45.8	67.5	34.1	14th	77.8	6th	5.9	2.8	4.3	34.6	34.5	34.5	67	82	75
July	.780	63.2	58.4	60.8	52.3	69.8	44.3	5th	81.8	12th	4.8	2.2	3.5	42.2	42.1	42.2	73	86	79
August	.830	62.4	57.4	59.9	49.9	70.7	41.0	11th	84.8	25th	4.6	2.2	3.4	41.6	40.6	41.1	74	86	80
September	.495	55.2	52.3	53.8	45.3	61.2	36.6	15th	73.3	4.5	3.7	2.3	3.0	33.5	33.1	33.3	77	84	81
October	.744	47.0	45.7	46.3	38.4	55.2	27.4	15th	62.3	17th	1.6	1.4	1.5	28.4	27.4	27.9	88	89	88
November	.776	46.3	45.2	45.8	40.4	52.0	26.7	18th	60.5	5th	1.7	1.6	1.6	27.4	26.4	26.9	87	87	87
December	29.594	34.3	33.9	34.1	28.9	39.1	12.3	15th	52.8	4th	0.9	0.9	0.9	18.0	17.6	17.8	91	90	91
Year	29.667	48.3	45.7	47.0	39.6	54.9	—	—	—	—	2.9	1.8	2.3	28.1	27.6	27.8	80.8	86.6	83.7

## SEAHAM.

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

1899.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
January	-	6.3	5.6	6.0	ins. 2.812	ins. .504	22nd	20	2	2	0	7	12	2	5	2	0	2	7	14	21	9	2	
February	-	5.8	4.7	5.3	1.207	.280	8th	10	3	1	1	6	7	0	3	2	3	5	8	18	7	2	8	
March	-	6.4	4.8	5.6	1.987	.370	23rd	15	10	2	0	6	9	1	5	1	0	4	2	10	21	13	6	
April	-	7.8	6.2	7.0	2.194	.303	20th	19	4	0	2	1	16	3	9	5	3	8	3	8	11	7	6	
May	-	7.1	7.0	7.1	3.965	1.350	11th	18	0	0	2	2	15	0	12	18	3	3	3	10	5	3	5	
June	-	6.5	6.2	6.4	1.821	.360	21st	10	0	0	1	2	9	0	3	7	3	11	1	4	8	5	18	
July	-	6.1	6.4	6.3	2.454	.650	20th	16	0	0	4	1	10	0	4	3	1	5	0	11	6	11	21	
August	-	5.7	4.7	5.2	0.876	.280	29th	8	0	0	1	8	9	0	2	7	5	13	3	1	9	4	18	
September	-	6.2	4.4	5.3	2.676	.740	29th	17	1	0	1	2	5	2	4	0	1	3	0	9	26	15	2	
October	-	5.4	4.5	5.0	2.768	1.870	1st	12	0	0	0	6	6	2	1	2	1	4	4	15	16	10	9	
November	-	6.5	5.2	5.9	1.563	.417	7th	12	0	0	0	5	9	5	0	2	1	3	7	18	27	1	1	
December	-	7.1	7.1	7.1	3.018	.785	28th	19	7	0	0	1	16	2	0	0	3	7	11	9	14	8	10	
Year	-	6.4	5.6	6.0	27.341	—	—	176	27	5	12	47	123	17	48	49	24	68	49	127	171	88	106	



## AYSGARTH

Long. 1° 58' W. Lat. 54° 18' N. Height above Mean Sea Level, 646 feet. Gravity Correction, +.023 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29°005	36°8	37°7	37°3	33°1	42°4	19°9	28th	51°9	21st	1°4	1°7	1°6	in. 1°194	in. 1°196	in. 1°195	% 85°4	% 83°7	% 84°6		
February	113	37°4	37°6	37°5	32°6	44°5	20°4	4th	55°7	10th	1°9	1°9	1°9	1°190	1°190	1°190	81°9	81°1	81°5		
March	280	39°6	38°3	39°0	33°4	47°2	20°2	21st	64°3	17th	2°8	2°2	2°5	1°190	1°190	1°190	73°9	77°1	75°5		
April	038	44°5	40°9	42°7	36°8	50°0	25°9	23rd	58°0	27th	3°5	1°8	2°7	2°26	2°23	2°25	75°4	84°7	80°1		
May	301	48°8	43°7	46°3	38°4	53°8	28°3	5th	70°1	31st	4°1	2°1	3°1	2°55	2°43	2°49	74°3	84°0	79°2		
June	355	60°7	54°4	57°6	46°4	67°5	33°7	14th	77°2	17th	7°0	3°2	5°1	3°37	3°41	3°39	63°8	79°9	71°9		
July	345	61°6	57°6	59°6	52°3	67°8	44°5	9th	78°0	31st	4°4	2°5	3°5	4°13	4°02	4°08	75°5	84°3	79°9		
August	350	62°5	58°5	60°5	51°5	70°1	44°5	11th	84°0	2nd	4°1	3°2	3°7	4°39	3°38	4°19	77°0	81°0	79°0		
September	002	54°6	51°0	52°8	44°5	60°1	30°8	29th	73°0	8th	3°6	3°1	3°4	3°35	3°02	3°19	78°0	80°0	79°0		
October	293	46°1	45°2	45°7	38°9	54°1	26°5	15th	64°2	19th	2°5	1°9	2°2	2°59	2°63	2°61	81°7	85°8	83°8		
November	327	45°8	45°0	45°4	40°8	50°7	24°8	18th	59°2	5th	2°3	2°1	2°2	2°59	2°58	2°59	83°7	84°9	84°3		
December	29°131	32°8	33°3	33°1	28°7	37°4	16°0	28th	51°0	1st	1°0	1°1	1°1	1°170	1°170	1°170	86°7	85°4	86°1		
Year	29°212	47°6	45°3	46°5	39°8	53°8	—	—	—	—	3°2	2°2	2°7	2°72	2°65	2°69	78°1	82°7	80°4		

## SCARBOROUGH

Long. 0° 24' W. Lat. 54° 18' N. Height above Mean Sea Level, 219 feet. Gravity Correction, +.025 in.

January	ins. 29.512	39.5	40.3	39.9	34.9	45.0	27.5	25th	54.6	21st	0.9	0.8	0.9	1.228	1.238	1.233	92.1	93.3	92.7			
February	625	40.3	40.6	40.5	35.2	46.8	28.7	4th	57.3	10th	1.1	1.5	1.3	1.230	1.226	1.228	90.5	88.0	89.3			
March	761	41.3	39.7	40.5	33.1	49.0	20.0	22nd	61.3	13th	1.5	1.5	1.5	1.233	1.218	1.226	87.2	85.5	86.4			
April	523	46.6	43.2	44.9	37.5	51.5	28.1	12th	61.7	28th	2.0	1.2	1.6	1.275	1.258	1.267	85.5	90.8	88.2			
May	786	49.4	45.3	47.4	40.5	53.5	30.6	5th	72.5	31st	1.7	1.0	1.4	1.315	1.283	1.299	89.1	92.9	91.0			
June	847	60.2	53.2	56.7	48.4	65.7	39.1	15th	77.7	26th	3.0	1.1	2.1	1.431	1.379	1.405	82.6	92.8	87.7			
July	816	64.3	59.1	61.7	54.3	69.5	49.7	5, 27	78.8	31st	3.5	1.4	2.5	1.485	1.460	1.473	80.7	90.9	85.8			
August	874	63.5	57.5	60.5	53.4	68.2	46.3	11th	79.0	23rd	3.8	0.9	2.4	1.459	1.448	1.454	78.6	94.2	86.4			
September	530	56.4	52.8	54.6	46.8	62.0	39.5	29th	78.9	5th	3.1	1.0	2.1	1.370	1.376	1.373	81.0	92.8	86.9			
October	29.793	49.5	47.7	48.6	41.9	55.9	35.2	14th	62.5	10th	2.5	1.6	2.1	1.294	1.297	1.296	83.0	88.5	85.8			
November	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

## CRONKBORNE (DOUGLAS, ISLE OF MAN)

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

January	ins. 29.562	42.3	41.6	42.0	37.1	46.1	25.2	28th	52.0	4th	1.5	1.5	1.5	1.241	1.237	1.239	87.6	87.8	87.7			
February	633	43.2	41.5	42.4	37.4	46.8	26.9	3rd	52.4	10th	1.5	1.2	1.4	1.251	1.242	1.247	88.4	90.1	89.3			
March	869	45.2	42.1	43.7	37.0	49.3	22.0	24th	60.0	16th	2.1	1.5	1.8	1.261	1.241	1.251	84.8	87.4	86.1			
April	620	47.3	44.4	45.9	40.0	50.8	30.0	18th	58.5	29th	2.0	1.2	1.6	1.283	1.270	1.277	86.3	91.2	88.8			
May	855	51.1	47.8	49.5	41.9	55.0	35.2	8th	65.7	8th	3.0	1.9	2.5	1.303	1.288	1.296	80.5	86.5	83.5			
June	912	60.6	56.0	58.3	48.8	66.6	40.6	3rd	75.0	6th	3.9	2.3	3.1	1.412	1.386	1.399	77.9	85.8	81.9			
July	915	61.1	57.2	59.2	53.0	67.0	47.0	17, 25	70.4	30th	2.7	1.3	2.0	1.455	1.431	1.443	84.6	91.4	88.0			
August	925	63.7	58.6	61.2	52.6	69.1	44.0	16th	77.5	13th	3.3	1.7	2.5	1.481	1.442	1.462	81.5	89.5	85.5			
September	650	56.7	53.1	54.9	48.5	61.2	35.6	29th	69.7	7th	2.9	2.1	2.5	1.385	1.352	1.369	82.5	86.1	84.3			
October	856	50.9	46.8	48.9	40.8	55.7	32.0	6th	60.4	19th	2.4	1.5	2.0	1.317	1.292	1.305	84.2	89.5	86.9			
November	881	50.4	49.7	50.1	45.6	52.8	33.0	17th	57.1	5th	1.8	1.6	1.7	1.321	1.320	1.321	87.6	89.1	88.4			
December	29.666	40.8	40.2	40.5	36.1	44.7	27.2	27th	53.6	7th	2.0	1.4	1.7	1.220	1.225	1.223	84.4	88.5	86.5			
Year	29.779	51.1	48.3	49.7	43.2	55.3	—	—	—	—	2.4	1.6	2.0	1.328	1.311	1.320	84.2	88.6	86.4			

NOTE:—The hygrometrical values for Scarborough are somewhat doubtful.

## AYSGARTH.

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

1899.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
		9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January	-	7.2	6.2	6.7	ins. 7.11	ins. 1.80	18th	21	7	2	1	3	14	4	2	6	5	3	5	13	13	6	9		
February	-	4.9	5.2	5.1	2.38	.61	13th	11	5	0	0	5	5	4	3	6	7	5	5	15	4	2	9		
March	-	5.5	3.8	4.7	1.81	.59	28th	12	9	0	0	9	6	6	1	4	0	1	3	18	14	12	9		
April	-	7.6	6.3	7.0	3.12	.59	14th	21	6	1	1	1	13	2	4	5	4	3	3	15	9	11	6		
May	-	6.9	5.8	6.4	3.57	1.00	11th	16	1	0	1	5	14	1	4	20	6	5	4	9	2	1	11		
June	-	4.2	4.2	4.2	1.28	.46	28th	9	0	0	2	12	5	0	0	13	11	2	0	8	17	0	9		
July	-	6.3	5.0	5.7	3.52	1.02	12th	11	0	0	5	3	7	0	1	4	5	0	0	19	19	4	10		
August	-	5.8	5.6	5.7	1.22	.63	27th	8	0	0	1	6	10	—	5	10	5	3	1	7	4	14	13		
September	-	6.6	4.3	5.5	4.87	1.49	29th	16	0	0	1	3	5	—	10	2	1	1	7	12	17	10	0		
October	-	5.0	5.1	5.1	3.22	1.26	1st	12	0	0	0	5	7	4	4	2	5	0	1	21	8	4	17		
November	-	6.2	6.3	6.3	4.12	.73	7th	14	0	0	2	2	7	10	0	3	0	0	6	34	10	0	7		
December	-	6.9	6.0	6.5	2.88	.91	28th	20	8	2	0	4	14	1	4	11	10	7	1	9	8	5	7		
Year	-	6.1	5.3	5.7	39.10	—	—	171	36	5	14	58	107	—	38	86	59	39	36	180	125	69	107		

## SCARBOROUGH.

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

					ins.	ins.																	
					3'081	411	11th	19	0	0	0	2	14	0	4	0	0	4	6	25	4	6	13
January	-	-	6.8	7.1	7.0	1115	2nd	8	1	0	0	3	10	0	4	3	0	8	18	14	1	3	5
February	-	-	6.2	6.3	6.3	642	20th	13	7	2	0	0	5	0	7	4	0	1	5	23	8	4	10
March	-	-	6.3	6.1	6.2	560	13th	16	0	1	0	0	14	1	16	1	0	4	12	9	2	8	8
April	-	-	7.3	7.8	7.6	330	11th	19	0	0	0	1	12	0	25	2	1	5	8	6	1	7	7
May	-	-	6.8	6.4	6.6	844	29th	7	0	0	1	3	11	0	20	3	1	6	4	5	3	8	10
June	-	-	6.2	6.8	6.5	552	22nd	11	0	0	2	2	10	0	7	1	1	1	7	8	8	12	17
July	-	-	6.8	6.1	6.5	070	28th	7	0	1	1	2	6	0	4	1	8	6	6	10	4	10	13
August	-	-	6.2	4.7	5.5	450	29th	16	0	0	1	2	8	1	2	0	1	3	7	14	18	8	7
September	-	-	6.4	6.2	6.3	3390	1st	13	0	0	0	4	9	1	3	0	1	7	13	11	13	3	11
October	-	-	5.7	6.0	5.9	2590																	
November	-	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
December	-	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year	-	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



## HEYSHAM (MORECAMBE Bay) -

Long. 2° 54' W. Lat. 54° 3' N. Height above Mean Sea Level, 95 feet. Gravity Correction, +.024 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.615	39.1	39.6	39.4	36.0	44.5	23.7	28th	52.0	9.19	1.1	1.2	1.2	in. 220	in. 223	in. 222	89.4	89.0	89.2		
February	698	39.0	39.6	39.3	35.0	47.6	24.6	4th	54.7	11th	1.5	1.5	1.5	214	218	216	87.4	87.4	87.4		
March	907	40.6	40.2	40.4	35.5	48.6	21.2	24th	61.0	16th	1.7	1.4	1.6	222	224	223	85.3	87.0	86.2		
April	641	46.7	44.0	45.4	40.2	51.9	30.0	18th	59.3	26th	2.4	1.5	2.0	268	258	263	83.4	88.4	85.9		
May	889	50.5	48.1	49.3	41.9	58.0	33.2	4th	70.0	31st	2.9	2.5	2.7	298	279	289	81.2	82.6	81.9		
June	29.937	62.1	58.6	60.4	51.0	69.2	42.0	14th	76.0	1.17	4.9	3.0	4.0	408	407	408	73.5	82.2	77.9		
July	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
August	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
September	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
October	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
November	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

## YORK -

Long. 1° 5' W. Lat. 53° 57' N. Height above Mean Sea Level, 56 feet. Gravity Correction, +.024 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.688	38.8	39.9	39.4	35.2	44.9	22.0	26th	54.4	21st	1.2	1.5	1.4	in. 217	in. 220	in. 219	90.3	88.0	89.2		
February	798	39.1	40.5	39.8	34.1	46.5	22.0	28th	59.1	10th	1.7	1.7	1.7	209	222	216	85.7	86.6	86.2		
March	961	41.1	40.6	40.9	34.3	49.4	22.0	21, 24	60.0	13th	2.4	2.0	2.2	213	217	215	81.7	84.8	83.3		
April	706	47.1	44.3	45.7	39.5	52.5	29.4	18th	61.0	28th	3.4	2.4	2.9	252	243	248	76.6	82.2	79.4		
May	29.960	50.7	47.5	49.1	40.9	56.8	30.8	5th	71.0	31st	4.3	2.8	3.6	268	271	273	73.9	80.5	77.2		
June	30.013	61.4	57.8	59.6	49.7	70.5	41.0	14, 15	81.0	6th	6.5	4.0	5.3	356	367	362	65.6	76.2	70.9		
July	29.994	64.6	61.6	63.1	55.1	72.5	49.0	17th	83.0	12th	5.4	3.8	4.6	431	429	430	70.6	77.9	74.3		
August	30.047	63.8	60.6	62.2	53.5	72.7	46.0	11th	86.0	1, 25	5.1	3.2	4.2	428	428	428	72.5	81.2	76.9		
September	29.716	56.3	54.4	55.4	47.7	63.2	36.0	29th	80.0	5th	4.5	3.0	3.8	338	350	344	73.8	81.4	77.6		
October	29.970	46.2	47.9	47.1	40.6	55.5	30.0	20th	64.0	17th	1.9	1.5	1.7	275	299	287	87.1	89.1	88.1		
November	30.022	46.6	46.5	46.6	41.0	52.7	25.0	17, 18	63.0	2, 4	2.4	2.5	2.5	268	265	267	83.7	83.3	83.5		
December	29.812	35.3	34.8	35.1	30.5	40.1	14.0	16th	53.0	4th	1.1	0.8	1.0	192	190	191	90.8	91.6	91.2		
Year	29.891	49.3	48.0	48.7	41.8	56.4	—	—	—	—	3.3	2.4	2.9	288	292	290	79.4	83.6	81.5		

## STONYHURST -

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.360	38.9	39.6	39.3	35.5	43.6	24.0	28th	52.3	21st	1.5	1.6	1.6	in. 212	in. 214	in. 213	86.4	85.7	86.1		
February	451	38.0	39.4	38.7	34.7	45.5	23.3	3rd	55.6	10th	1.7	2.0	1.9	198	206	202	83.6	83.0	83.3		
March	644	39.9	39.0	39.5	34.4	46.8	20.3	24th	59.8	16, 17	2.0	1.6	1.8	208	208	208	81.8	84.0	82.9		
April	389	45.3	43.0	44.2	39.2	50.0	29.7	18th	58.3	27th	2.5	1.9	2.2	251	240	246	81.7	85.1	83.4		
May	628	50.0	46.8	48.4	41.5	55.3	31.3	28th	68.8	31st	3.8	2.6	3.2	274	264	269	76.2	82.1	79.2		
June	684	61.6	57.8	59.7	50.0	68.0	40.8	14th	78.3	17th	6.0	4.1	5.1	368	364	366	67.7	75.6	71.7		
July	689	62.2	58.8	60.5	54.1	66.9	47.1	5th	76.3	31st	4.1	2.8	3.5	431	411	421	77.0	82.8	79.9		
August	713	62.5	61.4	62.0	54.2	70.3	46.3	9th	81.8	2nd	4.4	4.1	4.3	428	417	423	75.9	76.8	76.4		
September	417	54.7	53.3	54.0	47.4	59.5	34.0	28th	71.5	4th	3.4	2.9	3.2	342	337	340	78.9	81.2	80.1		
October	648	47.3	47.3	47.3	41.2	54.2	32.6	7th	61.0	18th	3.3	3.2	3.3	255	256	256	77.5	77.7	77.6		
November	697	46.9	46.4	46.7	43.2	50.9	28.3	18th	60.0	4, 5	2.0	1.8	1.9	279	280	280	86.5	87.8	87.2		
December	29.471	34.9	35.2	35.1	31.2	39.4	14.3	28th	52.3	6, 7	1.1	1.3	1.2	186	184	185	87.0	85.9	86.5		
Year	29.566	48.5	47.3	47.9	42.2	54.2	—	—	—	—	3.0	2.5	2.8	286	282	284	80.0	82.3	81.2		

## HEYSHAM (MORECAMBE Bay).

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

1899.		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°0	6°2	7°1	ins. 4°66	ins. °94	20th	21	2	1	0	4	17	1	4	6	1	11	3	18	2	5	12	
February	-	5°5	4°8	5°2	2°81	°76	9th	13	2	0	0	11	12	0	0	10	0	28	1	4	0	1	12	
March	-	7°2	4°1	6°2	2°22	°84	25th	14	2	0	0	7	11	1	7	5	1	10	0	17	2	9	11	
April	-	8°2	7°1	7°7	4°18	°57	9th	17	0	4	1	0	16	0	4	2	0	12	0	17	2	12	11	
May	-	7°0	6°7	6°9	3°24	°50	19th	16	0	0	0	6	16	0	1	25	1	6	3	11	2	3	10	
June	-	4°9	5°4	5°2	1°54	°58	30th	10	0	0	3	7	9	0	0	14	0	14	0	11	0	18	3	
July	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
August	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
September	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
October	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
November	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
December	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Year	-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



## WAKEFIELD

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.654	39.5	40.8	40.2	34.4	45.8	20.0	25th	57.5	21st	1.9	2.1	2.0	204	213	209	84	84	84
February	.760	38.5	39.8	39.1	33.4	46.6	20.0	4, 28	60.2	10th	1.7	1.9	1.8	199	207	203	85	84	85
March	.930	41.3	40.0	40.7	32.7	48.9	20.0	21st	59.4	11th	1.6	1.4	1.5	226	218	222	87	88	87
April	.672	47.0	44.7	45.8	38.0	52.6	27.0	23rd	59.6	28th	3.7	2.7	3.2	238	237	237	74	80	77
May	.914	50.6	49.0	49.8	39.3	57.1	30.0	5th	73.0	31st	4.5	3.6	4.1	261	262	262	71	75	73
June	.961	60.9	59.2	60.1	47.2	69.2	38.4	15th	79.0	6th	6.5	4.6	5.5	344	367	355	64	73	69
July	.953	64.6	61.4	63.0	53.6	70.6	46.0	9, 16, 17	81.0	12th	4.8	2.6	3.7	446	459	453	73	84	78
August	.999	61.7	62.1	61.9	52.0	72.0	44.0	11th	86.0	25th	4.2	3.8	4.0	416	433	424	76	78	77
September	.688	56.2	54.7	55.4	47.1	61.7	32.2	29th	77.0	5th	4.3	2.6	3.5	333	356	345	74	83	79
October	.934	45.8	46.2	46.0	39.0	55.1	25.2	20th	63.8	11th	2.0	1.8	1.9	262	271	266	85	87	86
November	.989	48.1	46.8	47.5	40.2	52.6	27.2	17th	63.4	5th	2.5	2.5	2.5	276	262	269	82	82	82
December	29.775	35.1	34.8	34.9	29.4	39.7	13.2	15th	53.2	4th	1.1	1.2	1.1	183	178	181	90	88	89
Year	29.852	49.1	48.3	48.7	40.5	56.0	—	—	—	—	3.2	2.6	2.9	282	289	286	78.8	82.2	80.5

## PRESTWICH

Long. 2° 17' W. Lat. 53° 32' N. Height above Mean Sea Level, 320 feet. Gravity Correction, +.022 in.

	ins.												in.	in.	in.	%	%	%	
January	29.394	38.9	40.4	39.7	35.1	45.3	24.9	25th	53.8	21st	1.3	1.4	1.4	.216	.225	.221	89.2	87.6	88.4
February	.481	37.8	40.2	39.0	34.5	47.0	23.4	3rd	56.3	10th	1.4	1.9	1.7	.254	.218	.236	87.6	84.8	86.2
March	.680	39.3	39.5	39.4	33.8	48.8	20.1	21st	60.9	16th	1.3	1.5	1.4	.220	.216	.218	89.1	86.1	87.6
April	.418	44.7	43.9	44.3	38.9	51.4	27.8	18th	58.9	27, 28	2.3	2.0	2.2	.249	.248	.249	83.1	85.2	84.2
May	.650	49.6	47.1	48.4	40.9	56.4	32.8	4, 26	72.0	31st	3.4	2.0	2.7	.278	.279	.279	78.2	85.5	81.9
June	.706	60.7	57.7	59.2	49.1	68.8	40.9	3, 14	79.7	17th	4.7	3.0	3.9	.391	.393	.392	74.2	82.2	78.2
July	.709	62.5	59.4	61.0	54.0	69.2	44.8	5th	81.1	31st	3.1	2.0	2.6	.465	.447	.456	82.4	87.8	85.1
August	.735	64.1	61.1	62.6	53.1	72.8	45.9	9th	86.5	25th	4.6	3.0	3.8	.446	.443	.445	75.3	82.6	79.0
September	.446	55.0	53.3	54.2	47.3	61.2	34.8	29th	75.6	5th	2.8	1.9	2.4	.362	.362	.362	82.8	87.5	85.2
October	.667	47.2	46.7	47.0	39.8	56.7	27.8	25th	64.9	17, 18	2.1	1.7	1.9	.281	.284	.283	86.0	87.5	86.8
November	.733	47.0	46.9	47.0	42.6	52.4	28.8	18th	61.0	4, 5	2.0	2.1	2.1	.278	.277	.278	85.5	85.0	85.3
December	29.494	35.2	35.8	35.5	30.4	40.9	15.0	28th	53.0	6, 7	0.9	1.1	1.0	.192	.194	.193	90.4	89.0	89.7
Year	29.593	48.5	47.7	48.1	41.6	55.9	—	—	—	—	2.5	2.0	2.3	.303	.299	.301	83.7	85.9	84.8

## MANCHESTER (OLDHAM ROAD)

Long. 2° 13' W. Lat. 53° 29' N. Height above Mean Sea Level, 190 feet. Gravity Correction, +.022 in.

		ins.												in.	in.	in.	%	%	%	
January	-	29°59	40°9	42°4	41°7	37°6	46°2	28°4	28th	54°4	21st	2°0	2°1	2°1	218	231	225	83°4	83°5	83°
February	-	°644	40°1	43°0	41°6	37°6	47°9	27°0	26th	58°0	10th	1°9	2°9	2°4	214	222	218	83°4	78°4	80°9
March	-	°843	40°4	42°3	41°4	36°4	48°2	23°8	24th	57°7	11th	2°0	2°4	2°2	215	226	221	83°1	81°4	82°3
April	-	°580	45°7	46°5	46°1	41°0	52°2	32°3	18th	60°3	28th	2°8	2°9	2°9	250	255	253	80°4	79°8	80°1
May	-	°812	50°4	50°2	50°3	42°7	57°6	35°5	5th	71°7	31st	4°4	3°7	4°1	266	279	273	72°8	76°4	74°6
June	-	°864	60°9	61°2	61°1	53°0	70°4	44°8	14th	80°2	17th	6°1	5°3	5°7	359	382	371	67°4	70°9	69°2
July	-	°869	62°4	62°4	62°4	56°8	70°2	51°4	5th	81°4	31st	4°3	4°1	4°2	429	434	432	76°4	77°2	76°8
August	-	°891	63°9	64°9	64°4	57°2	73°0	49°0	9th	87°3	25th	5°3	5°5	5°4	423	434	429	71°6	70°8	71°2
September	-	°608	55°3	56°1	55°7	50°4	61°3	41°6	29th	75°6	4th	3°4	3°3	3°4	349	365	357	79°0	79°6	79°3
October	-	°837	47°4	50°4	48°9	43°6	57°1	33°8	7th	66°8	17th	2°3	3°0	2°7	277	297	287	83°5	80°3	81°9
November	-	°902	48°2	49°2	48°7	45°3	53°0	31°8	19th	62°3	2nd	2°5	3°0	2°8	280	281	281	82°5	79°7	81°1
December	-	29°663	37°4	38°4	37°9	34°2	41°4	21°0	28th	54°8	6, 7	1°6	1°8	1°7	197	203	200	85°2	84°8	85°0
Year	-	29°756	49°4	50°6	50°0	44°7	56°5	—	—	—	—	3°2	3°3	3°3	290	301	296	79°1	78°6	78°9

## WAKEFIELD.

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

1899.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of							
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
January	7.8	6.8	7.3	3.13	.54	1st	15	0	0	0	1	15	1	6	3	0	4	3	14	9	7	16
February	8.6	6.0	7.3	1.13	.30	9th	8	2	0	0	0	13	0	4	1	9	3	4	7	7	1	20
March	7.8	4.7	6.3	0.92	.38	30th	7	4	0	0	1	10	0	5	5	0	1	5	10	9	12	15
April	9.2	6.2	7.7	2.10	.50	9th	13	0	2	2	0	17	0	5	5	0	4	5	14	13	10	4
May	7.8	6.5	7.1	2.96	.75	24th	17	0	0	0	4	17	0	9	19	4	3	2	8	5	1	11
June	7.4	5.1	6.3	1.55	.40	19, 30	7	0	0	1	4	10	0	5	9	1	7	2	6	12	2	16
July	8.0	6.2	7.1	1.56	.38	22nd	9	0	0	2	1	12	0	1	8	0	4	13	11	8	17	
August	7.6	5.9	6.7	1.41	.45	27th	11	0	0	1	2	13	0	1	13	6	5	3	4	7	2	21
September	8.3	4.4	6.4	3.73	1.01	29th	12	0	0	2	0	9	2	1	1	2	2	2	9	22	11	10
October	8.6	5.2	6.9	2.42	1.30	1st	18	0	1	0	3	15	0	4	1	4	2	5	7	10	2	27
November	8.0	6.6	7.3	0.90	.20	7th	13	0	0	0	0	15	1	0	3	0	5	6	14	21	4	7
December	8.5	7.2	7.8	2.59	.54	28th	16	5	0	0	3	20	0	3	4	3	11	3	2	6	3	27
Year	8.1	5.9	7.0	24.40	—	—	146	11	3	8	19	166	4	44	72	29	47	44	108	132	63	191

## PRESTWICH.

Heights above Ground:—Barometer, 0 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

		Heights above Sea										Heights below Sea											
		ins.	ins.	20th	22	3	3	0	1	17	1	4	2	7	8	19	2	5	4	11			
January	-	8.2	6.9	7.6	4.85	.92	6th	11	4	0	1	4	14	0	6	3	10	1	18	0	2	0	16
February	-	7.8	5.3	6.6	1.26	.27	25th	16	7	1	0	3	9	1	8	1	2	2	11	1	20	1	16
March	-	8.3	3.5	5.9	2.04	.62	9th	21	2	2	2	1	16	2	6	3	7	4	14	0	12	1	13
April	-	9.2	6.1	7.7	3.60	.93	24th	16	0	0	2	4	19	0	4	10	14	2	8	1	8	0	15
May	-	7.5	6.5	7.0	2.75	.53	30th	9	0	0	2	4	11	0	1	7	20	1	4	0	12	1	14
June	-	6.4	5.3	5.9	2.03	.68	1st	11	0	0	3	1	18	0	3	1	5	0	5	0	24	4	20
July	-	8.6	7.0	7.8	1.65	.45	29th	13	0	0	3	4	6	0	5	3	22	2	3	2	9	1	15
August	-	7.0	3.6	5.3	1.51	.33	15th	25	0	4	2	3	8	0	2	0	3	1	4	1	26	5	18
September	-	8.0	4.1	6.1	5.89	.93	29th	13	0	1	0	3	10	1	0	1	8	1	6	4	6	1	35
October	-	8.2	3.5	5.9	3.12	.78	3rd	15	0	1	0	0	22	3	0	0	2	2	22	1	14	2	17
November	-	10.0	7.3	8.7	1.59	.26	25th	18	6	1	0	1	21	0	1	0	15	6	7	0	3	1	29
December	-	8.4	8.0	8.2	3.20	.71																	
Year	-	8.1	5.6	6.9	33.49	—	—	190	22	13	15	29	171	8	40	31	115	30	121	12	141	21	219



## BIDSTON OBSERVATORY (LIVERPOOL)

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29°532	40°5	41°3	40°9	35°2	45°0	21°9	28th	53°3	19th	2°0	1°9	2°0	in. 215	in. 224	in. 220	% 83°4	% 84°3	% 83°9		
February	°604	39°9	40°9	40°4	34°6	46°1	25°6	4th	57°9	10th	2°4	2°2	2°3	204	215	210	80°7	82°2	81°5		
March	°827	42°1	42°1	42°1	35°5	47°8	25°3	24th	56°2	11th	2°5	2°3	2°4	221	225	223	80°2	81°1	80°7		
April	°566	47°0	45°5	46°3	40°2	50°9	31°8	17th	58°4	28th	3°3	2°6	3°0	251	249	250	77°1	81°1	79°1		
May	°794	50°6	49°0	49°8	41°8	55°7	32°9	4th	71°6	31st	4°3	3°3	3°8	270	272	271	72°8	78°5	75°7		
June	°852	60°1	57°8	59°0	51°6	66°0	45°1	9th	80°0	17th	4°9	3°5	4°2	376	379	378	72°4	79°2	75°8		
July	°861	61°6	59°5	60°6	55°6	65°5	50°5	2nd	72°4	31st	3°1	2°4	2°8	448	433	441	81°9	85°0	83°5		
August	°866	62°9	62°9	62°9	56°2	70°8	50°0	9th	84°4	24th	4°5	4°0	4°3	431	445	438	75°4	80°4	76°7		
September	°596	55°8	54°9	55°4	51°1	60°0	40°2	29th	74°1	4th	3°1	2°7	2°9	362	361	362	80°4	83°0	81°7		
October	°811	48°1	49°4	48°8	43°2	55°4	34°3	15th	61°2	17th	2°5	2°3	2°4	280	299	290	82°8	84°5	83°7		
November	°871	47°5	48°1	47°8	43°9	52°6	30°8	18th	60°6	2nd	2°2	2°2	2°2	280	286	283	85°0	84°6	84°8		
December	29°627	36°3	37°0	36°7	33°1	41°2	20°4	14th	54°4	4th	1°2	1°2	1°2	196	198	197	87°6	86°8	87°2		
Year	29°734	49°4	49°0	49°2	43°5	54°8	—	—	—	—	3°0	2°6	2°8	295	299	297	80°0	82°4	81°2		

## TEALBY

Long.  $0^{\circ} 16' \text{ W.}$  Lat.  $53^{\circ} 24' \text{ N.}$  Height above Mean Sea Level, 251 feet. Gravity Correction,  $+ \cdot 021 \text{ in.}$

	ins.												in.	in.	in.	%	%	%	
January	29.484	38.9	39.6	39.3	35.4	44.9	27.7	17th	55.9	16th	1.0	1.1	1.1	.220	.226	.223	91.0	91.2	91.1
February	.589	39.4	39.7	39.6	35.4	46.6	25.9	28th	61.9	10th	1.5	1.4	1.5	.215	.220	.218	87.4	87.8	87.6
March	.743	39.6	38.5	39.1	32.4	48.5	19.7	21st	60.3	13th	1.3	1.3	1.3	.221	.212	.217	88.6	88.7	88.7
April	.495	45.6	42.8	44.2	38.5	51.6	27.9	18th	59.3	28th	2.0	1.1	1.6	.264	.254	.259	85.8	91.1	88.5
May	.729	50.2	46.2	48.2	41.8	54.7	33.7	6th	71.1	31st	3.5	1.7	2.6	.283	.278	.281	78.4	88.3	83.4
June	.788	60.7	55.6	58.2	49.9	66.9	39.9	15th	76.7	5th	4.7	2.5	3.6	.393	.377	.385	74.0	84.7	79.4
July	.776	64.1	59.8	62.0	55.3	70.7	47.9	28th	80.9	19th	3.9	2.2	3.1	.468	.448	.458	78.7	86.9	82.8
August	.822	64.3	58.6	61.5	53.9	71.0	47.7	11th	85.1	25th	3.8	1.6	2.7	.479	.444	.462	80.0	90.0	85.0
September	.513	54.9	53.2	54.1	47.6	62.6	38.7	28, 29	81.7	5th	3.3	2.4	2.9	.346	.348	.347	79.9	84.8	82.4
October	.762	46.7	46.9	46.8	41.5	55.8	30.3	7th	64.3	17, 18	1.2	1.5	1.4	.292	.289	.291	91.4	89.3	90.4
November	.830	45.1	44.8	45.0	40.4	50.7	25.1	19th	61.3	5th	1.2	1.5	1.4	.278	.268	.273	91.2	89.0	90.1
December	29.596	34.9	34.3	34.6	30.4	39.2	17.4	15th	50.9	1st	0.8	0.6	0.7	.193	.190	.192	92.4	92.7	92.6
Year	29.677	48.7	46.7	47.7	41.9	55.3	—	—	—	—	2.4	1.6	2.0	.304	.296	.300	84.9	88.7	86.8

## SHEFFIELD

Long.  $1^{\circ} 29' \text{ W.}$  Lat.  $53^{\circ} 23' \text{ N.}$  Height above Mean Sea Level, 429 feet. Gravity Correction,  $+0.021 \text{ in.}$

	ins.													in.	in.	in.	%	%	%
January -	29 <sup>2</sup> 78	39 <sup>9</sup>	40 <sup>9</sup>	40 <sup>4</sup>	36 <sup>0</sup>	45 <sup>2</sup>	24 <sup>4</sup>	26th	54 <sup>1</sup>	21st	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>4</sup>	222	231	227	87 <sup>3</sup>	89 <sup>1</sup>	88 <sup>2</sup>
February -	377	39 <sup>1</sup>	40 <sup>4</sup>	39 <sup>8</sup>	35 <sup>2</sup>	46 <sup>5</sup>	24 <sup>5</sup>	27th	57 <sup>7</sup>	10th	1 <sup>5</sup>	1 <sup>5</sup>	1 <sup>5</sup>	213	226	220	86 <sup>5</sup>	88 <sup>0</sup>	87 <sup>3</sup>
March -	551	41 <sup>4</sup>	40 <sup>5</sup>	41 <sup>0</sup>	34 <sup>9</sup>	48 <sup>8</sup>	23 <sup>3</sup>	21st	60 <sup>3</sup>	13th	2 <sup>3</sup>	2 <sup>1</sup>	2 <sup>2</sup>	219	215	217	81 <sup>0</sup>	80 <sup>8</sup>	80 <sup>9</sup>
April -	297	46 <sup>2</sup>	44 <sup>3</sup>	45 <sup>3</sup>	39 <sup>9</sup>	51 <sup>8</sup>	31 <sup>9</sup>	17th	58 <sup>9</sup>	1st	2 <sup>5</sup>	1 <sup>9</sup>	2 <sup>2</sup>	261	254	258	82 <sup>5</sup>	85 <sup>9</sup>	84 <sup>2</sup>
May -	539	50 <sup>2</sup>	48 <sup>0</sup>	49 <sup>1</sup>	41 <sup>2</sup>	56 <sup>0</sup>	34 <sup>1</sup>	28th	71 <sup>6</sup>	31st	3 <sup>4</sup>	2 <sup>2</sup>	2 <sup>8</sup>	286	288	287	79 <sup>0</sup>	85 <sup>4</sup>	82 <sup>2</sup>
June -	595	60 <sup>2</sup>	58 <sup>6</sup>	59 <sup>4</sup>	50 <sup>4</sup>	68 <sup>2</sup>	42 <sup>0</sup>	15th	77 <sup>2</sup>	4th	4 <sup>6</sup>	3 <sup>1</sup>	3 <sup>9</sup>	389	404	397	75 <sup>3</sup>	81 <sup>9</sup>	78 <sup>6</sup>
July -	588	64 <sup>6</sup>	61 <sup>5</sup>	63 <sup>1</sup>	55 <sup>4</sup>	70 <sup>1</sup>	49 <sup>9</sup>	9th	79 <sup>1</sup>	31st	4 <sup>9</sup>	3 <sup>2</sup>	4 <sup>1</sup>	447	445	446	74 <sup>1</sup>	81 <sup>2</sup>	77 <sup>7</sup>
August	629	62 <sup>6</sup>	61 <sup>5</sup>	62 <sup>1</sup>	54 <sup>4</sup>	71 <sup>6</sup>	48 <sup>6</sup>	11th	85 <sup>9</sup>	25th	4 <sup>6</sup>	3 <sup>5</sup>	4 <sup>1</sup>	424	437	431	75 <sup>5</sup>	80 <sup>2</sup>	77 <sup>9</sup>
September -	325	55 <sup>9</sup>	54 <sup>4</sup>	55 <sup>2</sup>	49 <sup>2</sup>	61 <sup>9</sup>	38 <sup>2</sup>	29th	77 <sup>9</sup>	5th	3 <sup>7</sup>	2 <sup>4</sup>	3 <sup>1</sup>	351	364	358	78 <sup>0</sup>	84 <sup>4</sup>	81 <sup>9</sup>
October -	558	48 <sup>3</sup>	48 <sup>4</sup>	48 <sup>4</sup>	42 <sup>5</sup>	56 <sup>4</sup>	31 <sup>7</sup>	15th	63 <sup>9</sup>	11th	2 <sup>4</sup>	2 <sup>2</sup>	2 <sup>3</sup>	286	291	289	84 <sup>0</sup>	84 <sup>5</sup>	84 <sup>3</sup>
November -	620	47 <sup>9</sup>	47 <sup>3</sup>	47 <sup>6</sup>	43 <sup>1</sup>	52 <sup>2</sup>	30 <sup>8</sup>	18, 19	61 <sup>0</sup>	4 <sup>5</sup>	2 <sup>3</sup>	2 <sup>2</sup>	2 <sup>3</sup>	282	278	280	84 <sup>3</sup>	84 <sup>6</sup>	84 <sup>5</sup>
December	29 <sup>3</sup> 88	36 <sup>0</sup>	35 <sup>8</sup>	35 <sup>9</sup>	31 <sup>9</sup>	40 <sup>1</sup>	20 <sup>2</sup>	14th	54 <sup>0</sup>	4th	1 <sup>3</sup>	1 <sup>1</sup>	1 <sup>2</sup>	189	192	191	85 <sup>2</sup>	86 <sup>9</sup>	86 <sup>1</sup>
Year	29 <sup>4</sup> 79	49 <sup>4</sup>	48 <sup>5</sup>	49 <sup>0</sup>	42 <sup>8</sup>	55 <sup>7</sup>	—	—	—	—	2 <sup>9</sup>	2 <sup>2</sup>	2 <sup>6</sup>	297	302	300	81 <sup>1</sup>	84 <sup>4</sup>	82 <sup>8</sup>

## - BIDSTON OBSERVATORY (LIVERPOOL).

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

1899.		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	-	6.9	8.0	7.5	ins.	ins.	20th	20	0	2	1	1	17	5	5	2	5	13	9	12	12	4	0
February	-	5.6	5.5	5.6	1.459	.252	13th	14	2	0	0	7	6	1	3	1	11	21	8	8	2	1	1
March	-	5.3	5.8	5.6	1.076	.256	30th	13	3	1	0	5	8	2	7	6	3	7	6	16	13	4	0
April	-	7.2	7.5	7.4	2.258	.604	9th	20	1	2	1	1	11	4	6	2	6	6	11	15	8	4	0
May	-	6.0	6.1	6.1	2.206	.488	9th	16	0	0	2	6	12	0	3	11	12	7	6	7	11	5	0
June	-	4.7	5.8	5.3	2.993	.993	28th	9	0	0	1	5	7	0	3	4	11	8	2	3	22	7	0
July	-	7.9	7.3	7.6	2.225	.454	22nd	17	0	0	1	1	13	1	1	4	4	7	4	10	24	7	1
August	-	4.8	6.2	5.5	2.200	.962	28th	13	0	0	2	4	9	0	5	4	17	13	1	8	8	4	2
September	-	7.0	7.1	7.1	3.493	.533	29th	24	0	3	2	1	11	6	0	2	1	4	5	16	25	6	1
October	-	5.3	5.9	5.6	2.917	.679	12th	12	0	2	1	5	9	1	2	3	13	12	7	10	9	4	2
November	-	7.8	8.4	8.1	1.086	.258	4th	12	0	0	0	1	17	3	0	1	6	18	7	19	9	0	0
December	-	7.3	8.5	7.9	2.934	.603	28th	15	5	1	0	0	15	0	0	3	24	14	5	9	6	1	0
Year	-	6.3	6.8	6.6	27.773	—	—	185	11	11	11	37	135	23	35	43	109	130	66	129	156	51	11

TEALBY.

Heights above Ground:—Barometer, 9 feet. Thermometers, 5 feet. Rain-gauge, 4 feet.

		Heights above Ground.										Baromet.												
		ins.					ins.					ins.					ins.							
		ins.					ins.					ins.					ins.							
January	-	6.7	6.3	6.5	2.275	2.50	15, 20	19	2	3	1	4	14	2	2	2	6	1	3	14	12	0	22	
February	-	5.9	4.3	5.1	1.255	3.20	15th	11	4	1	0	9	8	2	1	1	5	9	6	12	3	0	19	
March	-	5.9	4.0	5.0	0.940	2.10	30th	12	8	2	1	6	5	1	8	4	0	3	3	8	9	5	22	
April	-	8.2	6.4	7.3	3.300	7.50	9th	16	2	4	3	3	2	18	0	5	6	4	2	2	11	8	9	13
May	-	6.6	5.7	6.2	2.885	7.10	16th	16	0	0	4	7	15	1	4	20	4	2	2	5	6	1	18	
June	-	5.6	5.8	5.7	2.150	4.40	20, 29	10	0	0	1	9	10	0	0	8	11	6	6	3	0	4	22	
July	-	6.8	5.3	6.1	1.165	2.60	12th	12	0	0	9	4	9	0	3	3	8	1	3	9	3	7	25	
August	-	3.4	3.8	3.6	0.545	2.00	27th	8	0	0	3	14	3	0	1	8	13	1	3	6	2	4	24	
September	-	5.4	5.0	5.2	3.240	8.40	29th	15	0	0	5	5	5	1	5	4	2	1	1	8	11	9	19	
October	-	5.6	2.8	4.2	3.045	9.70	1st	9	0	0	1	10	6	0	1	1	4	3	8	6	9	2	28	
November	-	7.3	5.3	6.3	0.815	3.80	7th	8	0	0	2	5	13	1	0	1	0	1	1	18	13	2	24	
December	-	7.6	7.1	7.4	2.505	5.40	5th	14	6	0	0	6	18	0	0	0	2	4	5	3	3	0	45	
Year	-	6.3	5.2	5.8	24.120	—	—	150	22	10	30	81	124	8	30	58	59	34	43	103	79	43	281	

SHEFFIELD.

Heights above Ground:—Barometer, 21 feet. Thermometers, 4 feet 3 inches. Rain-gauge, 1 foot.

Heights above Ground : —————																									
					ins.	ins.	12th	22	3	1	0	2	11	1	9	4	0	3	12	13	12	3	6		
January	-	-	6.8	7.1	7.0	4.410	.880	12th	22	3	1	0	2	11	1	9	4	0	3	12	13	12	3	6	
February	-	-	7.2	6.2	6.7	2.020	.450	13th	9	3	1	1	1	10	0	7	4	3	4	11	11	0	0	16	
March	-	-	6.3	5.5	5.9	1.245	.360	30th	12	6	0	0	1	7	0	12	1	1	2	6	12	14	4	10	
April	-	-	7.5	6.7	7.1	2.381	.430	13th	20	2	1	2	0	13	0	7	5	1	2	6	11	15	11	2	
May	-	-	6.9	7.1	7.0	2.496	.440	15th	15	0	0	2	0	12	0	17	18	1	3	5	6	5	1	6	
June	-	-	6.8	5.8	6.3	2.506	.590	28th	9	0	0	1	0	8	0	11	8	3	5	6	4	10	8	5	
July	-	-	6.9	6.2	6.6	2.031	.816	3rd	11	0	0	6	0	8	0	5	5	0	3	3	12	15	15	4	
August	-	-	5.9	5.3	5.6	0.899	.360	29th	9	0	0	3	1	5	0	4	14	2	4	2	10	9	6	11	
September	-	-	5.9	5.0	5.5	3.837	.750	29th	18	1	1	1	3	5	0	2	0	1	1	4	8	22	12	10	
October	-	-	6.9	5.4	6.2	2.862	1.260	1st	12	0	0	0	2	12	0	3	6	1	3	10	13	7	4	15	
November	-	-	6.8	6.8	6.8	1.993	.500	7th	10	0	0	0	1	9	0	1	2	2	0	8	19	20	2	6	
December	-	-	7.8	7.7	7.8	2.868	.730	28th	19	8	0	0	1	18	0	4	5	4	10	9	7	8	2	13	
Year	-	-	6.8	6.2	6.5	2.9548	—	—	166	23	4	16	12	118	1	82	72	19	40	82	126	137	68	104	



## LLANDUDNO

Long. 3° 50' W. Lat. 53° 21' N. Height above Mean Sea Level, 72 feet. Gravity Correction, +.022 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.								Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.640	42.5	43.0	42.8	38.1	47.5	25.5	28th	56.0	18th	2.5	2.6	2.6	in. 219	in. 223	in. 221	81	81	81
February	.692	42.9	42.8	42.8	37.8	49.3	27.0	4th	65.0	10th	3.0	3.1	3.0	.214	.212	.213	78	77	78
March	.939	44.5	43.5	44.0	38.3	49.9	26.0	24th	61.0	16, 17	3.3	2.9	3.1	.223	.221	.222	76	78	77
April	.677	47.5	46.0	46.8	42.2	51.2	32.0	18th	58.0	28th	3.3	2.9	3.1	.252	.245	.249	77	79	78
May	.889	51.8	49.9	50.8	43.9	55.7	36.0	5th	66.0	31st	4.3	3.3	3.8	.278	.278	.278	72	77	74
June	.942	62.4	58.7	60.6	52.6	66.9	44.0	3rd	77.0	1st	5.8	3.6	4.7	.382	.386	.384	68	78	73
July	.956	62.5	59.8	61.1	55.7	67.2	52.0	2nd	73.0	7th	3.6	2.7	3.2	.446	.428	.437	79	83	81
August	.961	66.0	63.1	64.6	58.0	72.1	51.0	9th	86.0	24th	5.5	4.0	4.7	.449	.444	.446	70	77	74
September	.726	58.2	56.0	57.1	52.8	62.2	43.0	29th	76.0	4th	4.3	3.5	3.9	.361	.351	.356	74	78	76
October	.920	52.4	50.7	51.5	45.8	58.6	38.5	15th	70.5	18th	3.9	2.9	3.4	.294	.297	.296	75	80	77
November	.969	50.7	50.5	50.6	46.8	54.6	35.0	18th	64.0	2nd	2.7	2.7	2.7	.302	.299	.300	82	81	82
December	29.726	39.2	38.9	39.1	35.2	43.4	24.5	11, 15	56.5	6th	2.0	1.8	1.9	.200	.201	.201	84	85	84
Year	29.836	51.7	50.2	51.0	45.6	56.6	—	—	—	—	3.7	3.0	3.3	.302	.299	.300	76.3	79.5	77.9

## BUXTON

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

1899.	ins.	Air Temperature.								Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	28.687	38.2	38.4	38.3	32.6	43.4	19.0	26th	51.2	21st	1.3	1.1	1.2	in. 204	in. 210	in. 207	88	91	90
February	.767	38.0	36.7	37.4	31.1	44.5	18.0	27th	53.7	10th	1.6	1.2	1.4	.197	.194	.196	86	89	87
March	.954	40.7	36.9	38.8	30.9	47.4	18.0	24th	65.3	15th	2.2	1.5	1.9	.209	.190	.199	82	87	85
April	.705	43.9	41.1	42.5	36.4	50.1	24.0	18th	59.3	27th	2.4	1.8	2.1	.234	.220	.227	82	85	83
May	28.935	48.8	44.2	46.5	37.4	55.8	27.9	5, 28	70.8	31st	3.9	2.0	2.9	.254	.245	.250	74	84	79
June	29.002	61.6	54.1	57.8	45.6	68.2	35.3	14th	79.8	6th	6.7	2.7	4.7	.349	.344	.346	64	82	73
July	28.996	61.0	57.5	59.3	52.3	68.5	43.9	9th	78.8	18th	4.0	2.2	3.1	.410	.407	.409	76	86	81
August	29.043	61.9	57.7	59.8	50.0	70.4	42.9	11, 13	83.3	25th	4.8	2.2	3.5	.403	.410	.406	73	86	80
September	28.749	53.3	51.4	52.3	45.5	59.8	31.5	29th	78.3	5th	2.8	1.7	2.3	.331	.335	.333	81	88	84
October	28.948	45.7	44.3	45.0	36.7	54.9	25.0	20th	64.3	22nd	1.9	1.6	1.7	.263	.255	.259	86	87	87
November	29.029	44.3	44.2	44.3	39.6	49.9	24.0	18th	59.8	5th	1.9	1.8	1.9	.248	.250	.249	85	86	85
December	28.777	32.5	33.0	32.7	27.3	37.6	10.4	14th	51.8	6, 7	1.0	1.1	1.0	.162	.165	.164	88	88	88
Year	28.883	47.5	45.0	46.2	38.8	54.2	—	—	—	—	2.9	1.8	2.3	.272	.269	.270	80.4	86.6	83.5

## CHESTER

Long. 2° 54' W. Lat. 53° 12' N. Height above Mean Sea Level, 59 feet. Gravity Correction, +.021 in.

1899.	ins.	Air Temperature.								Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.691	40.2	40.3	40.3	35.9	45.8	20.7	28th	56.6	4th	1.3	1.2	1.3	in. 227	in. 231	in. 229	87.9	89.9	88.9
February	.767	39.7	40.2	40.0	34.8	48.1	21.9	4th	58.8	10th	1.4	1.4	1.4	.222	.227	.225	88.1	89.1	88.6
March	.985	42.5	40.6	41.6	34.5	51.2	22.1	24th	67.0	16th	1.9	1.4	1.7	.237	.228	.233	84.9	87.4	86.2
April	.719	48.2	45.3	46.8	41.1	53.6	29.8	18th	61.6	3rd	3.2	1.9	2.6	.267	.263	.265	78.3	85.7	82.0
May	.941	52.2	48.3	50.3	42.0	59.3	31.5	4th	72.6	31st	3.8	2.0	2.9	.300	.294	.297	76.7	86.3	81.5
June	.993	62.9	57.8	60.4	50.3	70.4	42.3	3, 14	80.8	17th	5.2	2.2	3.7	.412	.413	.413	71.9	86.0	79.0
July	29.989	64.1	60.0	62.1	54.4	70.2	47.6	5th	81.8	31st	4.1	2.4	3.3	.463	.445	.454	77.4	85.6	81.5
August	30.002	65.3	62.4	63.9	54.5	75.5	45.5	9th	85.8	24th	5.3	3.1	4.2	.446	.461	.454	71.8	81.7	76.8
September	29.741	57.5	53.9	55.7	49.3	63.4	38.9	29th	78.5	5th	3.6	2.0	2.8	.375	.367	.371	78.6	87.0	82.8
October	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## LLANDUDNO.

Heights above Ground:—Barometer, 18 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

1899.	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	5.8	4.0	4.9	ins. 4.580	.73	18th	20	1	3	1	7	6	2	6	3	5	2	4	13	21	4	4	
February	4.0	1.6	2.8	2.345	.44	11th	15	1	1	1	10	2	1	4	2	14	4	4	11	10	1	6	
March	4.6	2.6	3.6	1.175	.35	25th	10	3	3	0	8	2	1	7	3	4	1	2	9	25	6	5	
April	5.5	3.8	4.7	2.760	.62	9th	21	1	1	1	3	6	0	12	2	3	0	5	8	20	6	4	
May	4.2	2.8	3.5	2.260	.45	23rd	14	0	0	1	13	4	0	1	6	17	0	4	8	17	8	1	
June	2.8	3.0	2.9	2.520	.58	20th	11	0	0	3	17	3	0	5	9	8	1	4	5	21	5	2	
July	4.8	4.4	4.6	1.850	.39	20th	10	0	0	1	3	2	0	5	1	5	0	3	5	33	6	4	
August	3.7	2.2	2.9	2.435	.76	28th	13	0	1	4	11	1	0	6	2	10	4	3	4	19	8	6	
September	6.2	4.4	5.3	3.895	.79	29th	19	0	1	3	0	2	0	5	0	3	0	1	9	33	8	1	
October	5.1	4.0	4.6	3.650	.93	1st	11	0	0	0	7	3	0	5	6	2	0	0	5	23	8	13	
November	6.1	5.0	5.5	2.340	.55	3rd	13	0	0	1	2	3	2	1	0	4	1	8	10	30	4	2	
December	6.5	6.2	6.4	2.610	.42	4th	17	4	2	0	4	12	0	1	1	6	9	9	11	12	13	0	
Year	4.9	3.7	4.3	32.420	—	—	174	10	12	16	85	46	6	58	35	81	22	47	98	264	77	48	



## CHEADLE

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January	ins. 29.085	37.9	39.3	38.6	34.3	43.9	25.6	28th	53.1	21st	1.2	1.3	1.3	in. 2.04	in. 2.14	in. 2.09	% 89	% 89	% 89	
February	163	36.9	38.6	37.8	33.6	45.8	24.5	3rd	55.0	10th	1.1	1.3	1.2	1.97	2.08	2.03	90	89	90	
March	360	38.6	38.6	38.6	32.6	48.4	20.9	22nd	58.5	16th	2.0	1.7	1.8	1.96	2.00	1.98	84	85	84	
April	097	44.2	43.6	43.9	38.4	51.4	29.0	18th	60.8	1st	2.3	1.6	2.0	2.39	2.48	2.43	82	87	85	
May	329	48.4	47.0	47.7	40.6	56.1	32.0	4th	69.5	31st	3.5	2.7	3.1	2.58	2.60	2.59	76	80	78	
June	390	57.8	57.0	57.4	49.3	67.1	40.5	9th	78.1	6th	4.3	3.8	4.0	3.56	3.57	3.57	74	77	75	
July	396	60.3	59.5	59.9	53.6	68.8	46.8	25th	78.6	31st	2.8	2.9	2.9	4.33	4.18	4.25	83	82	83	
August	429	60.7	61.4	61.0	53.5	72.9	48.0	9th	85.8	25th	3.7	3.7	3.7	4.15	4.25	4.20	78	78	78	
September	150	53.0	53.0	53.0	47.5	60.8	37.2	29th	77.1	5th	2.4	2.1	2.2	3.38	3.45	3.42	84	86	85	
October	363	46.0	47.0	46.5	41.2	54.8	32.8	21st	60.7	17th	1.3	1.6	1.5	2.80	2.84	2.82	90	88	89	
November	441	44.8	45.0	44.9	40.7	50.8	25.0	19th	59.7	2nd	1.4	1.5	1.4	2.64	2.64	2.64	89	88	88	
December	29.179	33.8	34.3	34.1	30.0	38.6	17.4	16th	52.5	4th	0.8	0.7	0.8	1.77	1.84	1.80	91	93	92	
Year	29.282	46.9	47.0	47.0	41.3	55.0	—	—	—	—	2.3	2.0	2.2	2.80	2.84	2.82	84.2	85.2	84.7	

## BELVOIR CASTLE

Long. 0° 47' W. Lat. 52° 54' N. Height above Mean Sea Level, 259 feet. Gravity Correction, +.020 in.

	ins.													in.	in.	in.	%	%	%
January	29.483	39.1	39.9	39.5	34.9	45.9	23.0	25th	56.0	21st	1.2	1.3	1.3	.210	.225	.223	90.2	89.7	90.0
February	.575	38.5	39.4	39.0	34.4	47.1	22.0	4th	62.0	10th	1.1	1.9	1.5	.214	.211	.213	90.1	85.5	87.8
March	.751	39.7	39.0	39.4	32.7	48.8	17.0	21st	59.0	11th	1.9	1.8	1.9	.210	.209	.210	84.0	85.4	84.7
April	.489	45.3	44.0	44.7	39.1	52.0	26.0	17th	63.0	1st	2.1	1.7	1.9	.260	.254	.257	85.0	86.9	86.0
May	.719	49.6	46.8	48.2	40.4	56.4	30.0	4.5	71.0	31st	3.1	2.0	2.6	.286	.279	.283	80.4	85.9	83.2
June	.770	59.3	56.6	58.0	49.3	68.3	35.0	15th	80.0	5th	4.5	3.1	3.8	.377	.373	.375	74.4	80.7	77.6
July	.784	63.6	60.9	62.3	55.4	71.8	47.0	5th	83.0	19th	3.9	2.8	3.4	.462	.449	.456	79.0	84.2	81.6
August	.804	64.0	60.3	62.2	53.1	73.2	43.0	11th	87.0	25th	4.0	2.2	3.1	.467	.458	.463	78.5	86.8	82.7
September	.518	55.4	53.7	54.6	48.9	63.1	34.0	29th	82.0	5th	3.1	2.4	2.8	.360	.357	.359	81.0	85.2	83.1
October	.751	46.6	45.8	46.2	40.0	56.1	30.0	6th	65.0	12th	1.3	1.1	1.2	.289	.288	.289	90.5	91.8	91.2
November	.831	46.0	45.7	45.9	41.4	51.9	26.0	19th	62.0	4th	1.8	1.7	1.8	.276	.275	.276	87.5	88.5	88.0
December	29.580	34.0	34.7	34.4	30.2	39.8	11.0	14th	54.0	7th	0.5	0.4	0.5	.193	.201	.197	95.4	96.2	95.8
Year	29.671	48.4	47.2	47.8	41.7	56.2	—	—	—	—	2.4	1.9	2.2	.301	.298	.300	84.7	87.2	86.0

## HILLINGTON

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

	ins.													in.	in.	in.	%	%	%
January	29.673	39.7	40.1	39.9	35.0	46.3	22.9	6th	55.4	21st	1.1	1.0	1.1	.224	.232	.228	90.3	91.6	91.0
February	.783	39.5	38.9	39.2	34.5	48.4	20.8	28th	64.4	10th	1.4	1.2	1.3	.218	.220	.219	87.6	89.8	88.7
March	.934	39.8	37.4	38.6	31.1	49.2	19.0	21st	60.4	11, 29	1.9	1.5	1.7	.211	.198	.205	83.9	85.4	84.7
April	.677	46.5	44.3	45.4	39.3	53.6	28.0	18th	60.7	25th	2.8	1.6	2.2	.257	.261	.259	80.2	88.0	84.1
May	.909	51.3	46.8	49.1	41.3	58.3	30.8	5th	72.0	31st	3.3	1.5	2.4	.300	.289	.295	78.8	88.9	83.9
June	.958	61.5	55.2	58.4	48.5	70.4	34.1	15th	80.3	5th	5.7	2.5	4.1	.376	.368	.372	69.1	83.9	76.5
July	.944	65.3	61.0	63.2	54.7	74.6	46.6	14th	86.8	12th	4.2	2.2	3.2	.481	.466	.474	77.4	86.6	82.0
August	.983	65.0	58.6	61.8	53.0	74.9	45.0	11th	86.5	15th	6.1	1.6	3.9	.419	.445	.432	67.9	89.9	78.9
September	.705	55.4	54.2	54.8	48.5	64.4	34.6	29th	83.4	5th	3.1	2.0	2.6	.360	.373	.367	80.8	87.3	84.1
October	29.948	48.0	45.7	46.9	39.7	57.5	31.8	6th	65.6	12th	1.4	1.0	1.2	.302	.290	.296	89.8	92.7	91.3
November	30.035	45.3	44.4	44.9	39.7	51.8	28.3	18th	61.5	5th	1.1	1.1	1.1	.281	.273	.277	91.5	91.6	91.6
December	29.781	35.4	34.4	34.9	29.9	40.0	15.0	16th	52.4	1, 7	1.0	0.6	0.8	.190	.192	.191	88.8	92.8	90.8
Year	29.861	49.4	46.8	48.1	41.3	57.5	—	—	—	—	2.8	1.5	2.2	.302	.301	.302	82.2	89.0	85.6

## CHEADLE.

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

1899.	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°0	7°3	7°2	ins. 3°95	ins. °68	20th	20	3	1	0	4	18	5	2	6	9	7	3	16	4	11	4		
February	7°1	4°9	6°0	2°33	°55	13th	12	3	2	1	4	10	1	1	7	13	7	7	9	1	2	9		
March	6°2	3°5	4°7	1°76	°58	25th	13	7	1	0	7	4	1	2	2	3	1	4	10	10	20	10		
April	8°0	6°7	7°4	3°11	°67	9th	16	3	3	1	0	14	6	6	1	4	5	7	8	10	18	1		
May	6°2	7°1	6°6	2°64	°43	24th	14	0	3	4	5	16	0	6	8	14	4	7	4	5	7	7		
June	5°2	4°8	5°0	2°12	°56	18th	8	0	0	2	10	10	0	7	1	18	5	3	0	2	12	12		
July	6°7	5°9	6°3	2°03	1°06	1st	10	0	0	3	2	11	0	2	3	5	2	7	2	9	23	9		
August	4°9	4°5	4°7	1°39	°28	31st	10	0	0	4	9	6	0	0	3	18	6	1	4	7	6	17		
September	7°1	5°7	6°4	4°14	°63	6th	18	1	2	6	2	10	1	4	0	3	3	3	6	11	21	9		
October	6°0	4°7	5°4	3°23	°79	1st	10	0	1	1	6	8	2	3	0	17	6	5	5	6	12	8		
November	8°1	7°1	7°6	1°46	°31	8th	10	0	1	0	1	17	2	0	1	5	8	14	13	10	1	1		
December	7°5	7°4	7°4	2°78	°55	28th	17	5	1	0	3	14	1	2	2	13	19	4	6	2	5	9		
Year	6°7	5°8	6°2	30°94	—	—	158	22	15	22	53	138	19	35	34	122	73	59	84	80	147	96		



## CHURCHSTOKE

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.188	38.9	39.0	39.0	34.0	44.9	19.2	26th	54.0	16th	1.1	1.2	1.2	in. 22.1	in. 21.8	in. 22.0	89.6	89.2	89.4
February	249	38.1	37.3	37.7	32.6	46.9	19.9	3rd	57.0	17th	1.4	0.9	1.2	20.8	21.0	20.9	87.3	90.6	89.0
March	473	40.9	38.4	39.7	31.8	50.6	15.5	24th	63.3	16th	1.7	1.2	1.5	22.5	21.3	21.9	85.1	88.0	86.6
April	209	47.2	43.4	45.3	38.6	52.6	27.4	18th	61.7	27th	3.1	1.6	2.4	25.8	25.2	25.5	78.3	87.6	83.0
May	420	50.8	45.8	48.3	39.8	57.7	29.2	5th	71.9	31st	3.8	1.6	2.7	28.3	27.3	27.8	75.8	87.7	81.8
June	475	61.6	54.8	58.2	46.9	70.4	37.0	14th	79.4	17th	5.3	1.9	3.6	38.7	37.8	38.3	71.2	87.2	79.2
July	501	63.5	57.5	60.5	51.5	70.8	43.5	17th	81.7	31st	4.3	2.1	3.2	44.6	41.4	43.0	76.1	86.5	81.3
August	501	65.4	59.3	62.4	51.7	75.1	42.4	9th	86.1	24th	5.4	2.4	3.9	44.7	43.1	43.9	71.8	85.2	78.5
September	264	56.6	52.4	54.5	47.6	63.2	36.5	28th	81.6	5th	3.4	1.7	2.6	37.0	35.3	36.2	79.3	88.1	83.7
October	447	47.1	45.1	46.1	38.8	57.0	28.2	21st	63.5	17th	1.4	1.0	1.2	29.4	28.6	29.0	89.7	92.9	91.3
November	536	47.1	45.7	46.4	41.5	52.3	24.0	18th	60.9	2nd	1.8	1.5	1.7	28.4	27.7	28.1	86.4	88.4	87.4
December	29.271	33.8	33.6	33.7	29.1	39.5	10.4	15th	54.5	1st	0.9	0.8	0.9	18.4	18.1	18.3	88.7	88.9	88.8
Year	29.378	49.3	46.0	47.7	40.3	56.8	—	—	—	—	2.8	1.5	2.2	30.1	29.1	29.6	81.6	88.4	85.0

## LOWESTOFT

Long. 1° 45' E. Lat. 52° 29' N. Height above Mean Sea Level, 85 feet. Gravity Correction, +.020 in.

1899.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.693	41.8	41.8	41.8	37.9	46.7	30.4	6th	55.7	21st	1.9	1.9	1.9	in. 22.5	in. 22.5	in. 22.5	85	85	85
February	814	41.2	40.5	40.9	36.8	46.4	24.6	4th	55.7	10th	1.8	1.7	1.8	22.1	21.7	21.9	85	80	86
March	936	41.3	38.5	39.9	33.2	47.5	18.4	21st	60.7	11th	2.4	1.6	2.0	21.1	20.1	20.6	81	86	83
April	702	47.5	44.6	46.0	41.0	52.3	32.4	12th	61.0	1st	3.4	1.9	2.6	25.0	25.2	25.1	76	85	81
May	923	50.7	47.4	49.1	44.5	54.1	33.7	1st	62.7	20, 31	3.2	1.9	2.6	29.0	28.1	28.6	78	86	82
June	977	57.6	54.1	55.8	50.7	61.0	40.6	16th	74.7	26th	4.1	2.7	3.4	35.8	34.4	35.1	75	82	78
July	29.969	63.4	59.5	61.5	56.3	67.5	50.2	28th	77.9	26th	4.4	2.3	3.3	43.7	43.4	43.5	75	85	80
August	30.012	63.8	60.4	62.1	56.4	67.2	48.0	19th	74.8	28th	4.7	2.5	3.6	43.6	44.4	44.0	74	84	79
September	29.721	57.4	54.7	56.0	50.1	62.8	38.6	29th	73.1	3rd	4.0	2.4	3.2	35.7	36.1	35.9	76	84	80
October	29.977	51.0	48.7	49.9	44.0	56.9	35.4	22nd	62.8	28th	2.4	1.6	2.0	31.2	30.3	30.8	83	88	86
November	30.069	47.9	47.0	47.4	42.9	52.9	35.3	15th	60.7	10th	1.9	2.1	2.0	28.7	27.3	28.0	86	85	85
December	29.814	37.1	36.5	36.8	32.8	41.4	17.4	15th	52.0	1st	1.5	1.3	1.4	19.2	19.0	19.1	87	88	88
Year	29.884	50.1	47.8	48.9	43.9	54.7	—	—	—	—	3.0	2.0	2.5	29.8	29.4	29.6	80.1	85.3	82.7

## GELDESTON

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

1899.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.752	41.2	41.8	41.5	36.7	47.4	23.1	6th	56.0	21st	1.4	1.5	1.5	in. 23.5	in. 23.7	in. 23.6	88.9	87.9	88.4
February	29.866	40.5	40.3	40.4	35.0	47.8	22.9	28th	60.7	10th	1.5	1.3	1.4	22.8	22.9	22.9	88.2	90.2	89.2
March	30.002	40.3	37.2	38.8	30.2	49.8	11.1	22nd	62.8	11th	1.9	1.3	1.6	21.7	20.2	21.0	85.2	88.7	87.0
April	29.756	47.9	45.0	46.5	39.8	54.2	31.7	12th	61.8	2nd	3.0	1.5	2.3	26.9	26.9	26.9	79.8	88.9	84.4
May	29.963	52.4	47.1	49.8	42.0	58.1	28.7	1st	71.8	31st	3.7	1.7	2.7	31.1	28.8	30.0	77.0	88.4	82.7
June	30.019	61.4	54.2	57.8	47.8	67.5	35.9	1st	79.9	5th	5.7	2.1	3.9	37.8	36.5	37.2	69.7	86.3	78.0
July	012	65.9	60.0	63.0	54.4	71.8	46.9	18th	81.6	20th	5.3	1.9	3.6	46.0	46.0	46.0	72.5	88.6	80.6
August	30.054	65.9	59.1	62.5	52.4	70.9	44.1	11th	81.5	15th	5.6	1.7	3.7	45.0	45.1	45.1	70.9	89.7	80.3
September	29.769	57.8	54.3	56.1	48.3	65.1	31.8	29th	86.7	5th	3.5	2.0	2.8	38.6	36.9	37.8	79.1	87.5	83.3
October	30.018	48.8	46.0	47.4	39.0	58.7	26.9	20th	66.0	12th	1.8	1.1	1.5	30.6	29.2	29.9	87.7	92.5	90.1
November	30.112	47.1	46.3	46.7	41.4	53.5	30.0	15th	60.9	4th	1.3	1.5	1.4	30.0	28.4	29.2	90.6	89.5	90.1
December	29.855	35.4	35.7	35.6	30.6	41.0	8.0	12th	53.2	1st	1.1	1.1	1.1	19.3	19.6	19.5	90.0	90.4	90.2
Year	29.932	50.4	47.3	48.9	41.5	57.2	—	—	—	—	3.0	1.6	2.3	31.1	30.4	30.8	81.6	89.1	85.4

## CHURCHSTOKE.

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

Heights above Ground. — Baromet. — 12.00																								
1899.		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	-	8.3	6.4	7.4	ins. 5.070	ins. 1.150	20th	21	2	2	0	2	17	1	1	3	7	12	3	16	7	7	6	
February	-	7.5	5.0	6.3	4.067	.825	9th	12	2	0	1	3	11	0	0	3	14	11	2	13	6	2	5	
March	-	6.3	3.8	5.1	1.552	.752	25th	12	5	1	0	7	6	0	8	1	6	1	3	12	20	11	0	
April	-	8.4	6.2	7.3	2.533	.460	6th	10	0	1	0	0	14	0	3	4	2	6	2	14	19	10	0	
May	-	6.7	5.6	6.2	2.123	.305	19th	16	0	1	2	5	12	0	10	4	13	11	2	5	14	2	1	
June	-	5.3	4.8	5.1	2.159	.680	28th	8	0	0	2	9	9	0	12	11	6	10	2	5	4	8	2	
July	-	7.3	6.7	7.0	0.815	.270	1st	8	0	0	2	1	11	0	1	3	2	2	0	7	26	21	0	
August	-	6.1	4.0	5.1	1.040	.500	31st	6	0	0	1	6	6	0	4	8	15	10	2	9	7	7	0	
September	-	8.0	6.3	7.2	4.109	1.848	6th	20	0	1	1	0	13	0	3	4	3	3	1	9	18	15	4	
October	-	6.5	5.7	6.1	2.752	.952	1st	12	0	0	0	7	13	1	5	4	11	12	1	15	4	3	7	
November	-	8.7	7.2	8.0	2.391	.582	3rd	12	0	0	0	0	19	0	0	0	3	13	3	22	13	3	3	
December	-	8.3	6.5	7.4	3.348	1.120	28th	18	6	1	0	0	17	0	0	0	21	9	2	13	4	5	8	
Year	-	7.3	5.7	6.5	31.959	—	—	161	15	7	9	40	148	2	47	45	103	100	23	140	142	94	36	



BIRMINGHAM (EDGBASTON)

Long.  $1^{\circ} 56' W.$  Lat.  $52^{\circ} 28' N.$  Height above Mean Sea Level, 535 feet. Gravity Correction, +.018 in.

[illegible]

## CAMBRIDGE

Long.  $0^{\circ} 6' E$ . Lat.  $52^{\circ} 13' N$ . Height above Mean Sea Level, 83 feet. Gravity Correction,  $+0.019$  in.

[illegible]

## HOLLESLEY BAY

Long.  $1^{\circ} 27' E.$  Lat.  $52^{\circ} 3' N.$  Height above Mean Sea Level, 38 feet. Gravity Correction,  $+0.019$  in.

	ins.													in.	in.	in.	%	%	%
January	- 29°788	42°2	41°5	41°9	37°0	47°2	31°0	6, 31	53°5	12, 15	0°4	0°3	0°4	*264	*261	*263	96°9	98°0	97°5
February	- 29°900	41°1	39°6	40°4	35°7	45°3	22°5	4th	54°5	10th	0°3	0°1	0°2	*258	*245	*252	98°1	98°5	98°3
March	- 30°038	41°1	37°9	39°5	31°9	48°0	19°0	21, 22	61°0	29th	0°8	0°2	0°5	*247	*230	*239	93°5	98°5	96°0
April	- 29°776	48°0	44°7	46°4	40°0	52°7	32°0	12th	60°5	10th	1°2	0°2	0°7	*310	*293	*302	92°0	98°0	95°0
May	- 29°971	51°9	48°0	50°0	42°5	55°6	32°5	4th	63°0	20th	1°0	0°3	0°7	*363	*333	*348	93°3	98°3	95°8
June	- 30°038	59°7	55°4	57°6	48°7	63°4	38°0	16th	78°0	26th	1°5	0°3	0°9	*469	*434	*452	90°9	97°9	94°4
July	- 034	65°3	61°3	63°3	55°5	70°2	50°0	6, 18	80°0	26th	1°6	0°6	1°1	*568	*525	*547	90°6	96°4	93°5
August	- 30°069	66°4	60°6	63°5	55°0	69°7	47°0	20, 22	79°5	27th	1°9	0°3	1°1	*578	*522	*550	88°8	98°1	93°5
September	- 29°801	59°2	56°4	57°8	50°3	64°1	37°0	29th	75°5	5th	2°7	1°3	2°0	*434	*425	*430	84°0	91°2	87°6
October	- 30°040	52°1	48°7	50°4	43°5	56°7	35°0	22nd	63°0	28th	2°0	1°0	1°5	*340	*324	*332	86°9	93°1	90°0
November	- 30°150	48°0	47°0	47°5	41°9	52°6	31°5	15th	60°5	2nd	1°8	1°6	1°7	*297	*289	*293	87°8	88°7	88°3
December	- 29°875	38°0	36°6	37°3	32°1	41°6	17°0	15, 16	51°5	7th	1°5	1°1	1°3	*203	*198	*201	85°9	89°4	87°7
Year	- 29°957	51°1	48°1	49°6	42°8	55°6	—	—	—	—	1°4	0°6	1°0	*361	*340	*351	90°7	95°5	93°1

BIRMINGHAM (EDGBASTON).

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

1899.		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°0	7°6	7°3	ins. 3'470	ins. 480	2nd	19	1	0	0	3	17	0	4	8	6	2	13	16	11	2	0
February	-	6°5	4°5	5°5	1'995	440	13th	11	3	0	1	7	11	1	3	2	7	12	13	11	1	2	5
March	-	5°8	3°4	4°6	1'020	410	25th	7	3	1	0	7	5	0	6	3	1	1	7	14	11	11	8
April	-	8°1	5°9	7°0	2'400	365	9th	20	1	2	0	0	14	1	7	2	2	2	8	13	14	10	2
May	-	7°1	7°0	7°1	2'195	430	23rd	13	0	1	2	4	14	0	4	17	12	1	6	8	4	4	6
June	-	6°4	5°3	5°9	3'240	990	28th	10	0	1	2	5	12	0	5	10	10	6	4	4	2	11	8
July	-	6°2	5°3	5°8	1'110	375	1st	10	0	0	2	3	8	0	3	7	2	2	4	7	11	16	10
August	-	5°0	4°3	4°7	1'150	560	15th	8	0	0	3	11	5	0	3	7	18	7	5	4	7	5	6
September	-	6°1	5°3	5°7	2'745	700	7th	17	0	0	2	4	7	0	4	2	0	2	5	12	20	12	3
October	-	6°2	4°8	5°5	2'380	685	1st	8	0	0	0	7	12	0	4	1	7	8	9	10	7	5	11
November	-	8°7	7°5	8°1	1'475	510	7th	8	0	0	0	0	18	1	0	0	3	3	15	17	15	2	5
December	-	7°5	7°5	7°5	1'945	500	29th	15	4	0	0	1	15	0	3	3	8	13	9	10	6	5	5
Year	-	6°7	5°7	6°2	25'125	—	—	146	12	5	12	52	138	3	46	62	76	59	98	126	109	85	69

## CAMBRIDGE.

Heights above Ground:—Barometer, 5 feet. Thermometers, 4 feet. Rain-gauge,  $9\frac{1}{2}$  inches.

[illegible]

## HOLLESLEY BAY.

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

[illegible]

1



## WOBURN

Long. 0° 36' W. Lat. 52° 1' N. Height above Mean Sea Level, 291 feet. Gravity Correction, +.018 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29°517	40°6	40°5	40°6	35°5	46°3	19°4	25th	53°4	21st	1°6	1°7	1°7	2°26	2°23	2°25	87°1	86°6	86°9
February	.593	39°8	39°0	39°4	33°1	47°7	18°2	26th	63°2	10th	2°0	1°9	2°0	2°11	2°08	2°10	83°5	84°5	84°0
March	.778	39°6	37°3	38°5	29°9	49°4	13°4	22nd	59°9	29th	2°1	1°8	2°0	2°06	1°93	2°00	82°3	83°4	82°9
April	.514	46°8	44°6	45°7	39°5	53°2	27°2	17th	62°9	1st	3°4	2°4	2°9	2°49	2°47	2°48	77°0	82°7	79°9
May	.723	51°4	47°3	49°4	40°9	58°8	27°0	5th	69°2	31st	4°3	2°2	3°3	2°80	2°81	2°81	74°0	85°1	79°6
June	.776	61°3	54°9	58°1	47°0	69°4	31°2	15th	79°6	6th	5°6	2°8	4°2	3°80	3°58	3°69	70°0	82°6	76°3
July	.782	65°2	60°9	63°1	53°8	73°2	45°0	28th	84°9	20th	5°9	3°3	4°6	4°30	4°33	4°32	69°7	80°9	75°3
August	.805	66°0	61°1	63°6	52°1	75°6	41°2	22nd	86°1	25th	6°3	4°2	5°3	4°30	4°10	4°20	67°7	76°5	72°1
September	.553	57°0	54°4	55°7	48°6	64°9	36°6	29th	85°0	5th	4°5	3°1	3°8	3°46	3°49	3°48	73°1	81°0	77°1
October	.760	48°0	45°1	46°6	38°7	57°1	27°1	15th	64°6	12th	1°9	1°3	1°6	2°94	2°77	2°86	87°3	90°5	88°9
November	.868	46°1	45°0	45°6	40°3	52°2	26°0	19th	62°1	4th	2°1	1°8	2°0	2°71	2°64	2°68	85°7	86°9	86°3
December	29°590	35°5	34°4	35°0	30°0	40°6	9°9	15, 16	55°1	6th	1°3	0°9	1°1	1°88	1°89	1°89	88°1	90°1	89°1
Year	29°688	49°8	47°0	48°4	40°8	57°4	—	—	—	—	3°4	2°3	2°9	2°93	2°86	2°90	78°8	84°2	81°5

## BENNINGTON

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

	ins.												in.	in.	in.	%	%	%	
January	- 29.406	39.6	40.2	39.9	35.6	46.4	27.7	25th	54.5	21st	1.1	1.3	1.2	.221	.222	.222	91	89	90
February	- .484	39.7	39.8	39.8	34.8	47.8	20.3	28th	62.7	10th	1.4	1.8	1.6	.216	.209	.212	89	85	87
March	- .653	39.1	38.6	38.8	31.7	49.4	19.6	22nd	61.8	14th	1.9	1.9	1.9	.201	.197	.199	84	84	84
April	- .402	46.1	44.3	45.2	39.2	53.2	30.3	17th	62.1	1st	2.7	2.1	2.4	.250	.244	.247	80	84	82
May	- .601	50.6	47.3	49.0	41.2	58.2	31.8	5th	70.5	31st	3.7	2.2	3.0	.277	.274	.276	75	84	80
June	- .651	60.4	56.6	58.5	48.9	70.1	39.2	14th	82.5	5th	5.1	3.5	4.3	.371	.358	.364	71	78	74
July	- .658	65.4	62.2	63.8	54.4	74.2	47.3	5th	83.6	19th	6.1	3.9	5.0	.422	.431	.427	67	77	72
August	- .684	65.6	60.3	62.9	54.2	75.2	44.6	21st	86.1	25th	6.0	3.1	4.5	.428	.425	.426	68	81	75
September	- .444	56.4	54.5	55.5	48.9	65.3	32.9	29th	84.7	5th	4.4	2.9	3.7	.334	.345	.340	73	81	77
October	- .650	48.5	47.0	47.7	40.2	58.0	33.2	11th	63.4	18th	1.9	1.3	1.6	.294	.292	.293	86	90	88
November	- .757	45.4	45.2	45.3	40.4	51.6	28.8	30th	60.8	4th	1.4	1.4	1.4	.271	.269	.270	89	89	89
December	- 29.480	34.9	34.7	34.8	30.8	40.2	16.4	16th	53.7	7th	0.9	0.9	0.9	.184	.183	.183	91	91	91
Year	- 29.573	49.3	47.6	48.4	41.7	57.5	—	—	—	—	3.0	2.2	2.6	.289	.287	.288	80.3	84.4	82.4

## CHELTENHAM

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

	ins.													in.	in.	in.	%	%	%
January	- 29.603	40.7	41.5	41.1	36.2	47.1	21.5	26th	55.5	21st	1.4	1.7	1.6	.225	.226	.226	89	86	88
February	- .655	40.1	40.5	40.3	35.5	48.4	20.0	3rd	60.6	10th	1.8	1.8	1.8	.212	.215	.213	85	85	85
March	- .873	40.0	38.8	39.4	30.6	50.7	16.0	24th	61.8	16th	1.7	1.3	1.5	.213	.210	.212	86	89	87
April	- .613	47.4	45.7	46.6	39.5	53.9	27.0	17th	62.5	1st	3.2	1.9	2.5	.253	.263	.258	77	86	82
May	- .807	51.9	49.5	50.7	41.5	60.5	29.6	5th	71.3	30th	3.9	2.5	3.2	.288	.292	.290	75	82	78
June	- .855	62.5	58.1	60.3	47.4	72.3	35.5	14th	82.0	5th	5.6	3.3	4.5	.389	.385	.387	69	80	75
July	- .878	64.5	62.3	63.4	52.9	74.9	41.0	5th	86.0	20th	4.5	3.1	3.8	.454	.457	.455	75	81	78
August	- .876	66.1	64.0	65.0	54.0	77.8	45.2	9th	85.1	3rd	4.0	3.1	3.5	.498	.487	.493	78	82	80
September	- .658	57.2	54.8	56.0	47.5	65.4	34.0	28th	81.0	5th	3.7	2.1	2.9	.362	.370	.366	77	86	81
October	- .852	46.6	46.3	46.5	38.8	56.8	25.3	21st	63.5	17th	1.3	1.2	1.3	.287	.286	.286	90	91	91
November	- .959	46.7	46.2	46.4	40.3	52.9	25.0	19th	64.0	4th	2.0	1.8	1.9	.272	.271	.272	85	87	86
December	- 29.668	35.9	36.5	36.2	30.7	41.4	14.2	15th	57.2	6th	1.2	1.2	1.2	.187	.193	.190	89	89	89
Year	- 29.775	50.0	48.7	49.3	41.2	58.5	—	—	—	—	2.9	2.1	2.5	.303	.305	.304	81.3	85.3	83.3

## WOBURN.

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

Heights above Ground :—Barometery.																							
1899.		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	6.3	6.5	ins. 2.20	.35	15th	20	3	0	0	5	15	7	1	7	3	2	7	21	9	4	8
February	-	6.6	4.0	5.3	1.91	.42	6th	11	4	4	2	7	8	5	0	3	6	4	9	14	2	1	17
March	-	6.1	3.9	5.0	0.68	.22	25th	11	6	1	0	6	6	3	6	4	3	2	4	22	11	4	6
April	-	6.1	3.9	5.0	0.68	.33	16th	21	2	2	2	1	11	2	4	2	1	3	6	15	8	14	7
May	-	7.2	5.9	6.6	2.18	.88	24th	13	0	0	2	5	13	1	5	20	6	2	2	16	2	1	8
June	-	7.0	5.6	6.3	2.45	.30	19th	5	0	0	5	7	8	0	1	12	3	6	4	4	6	7	17
July	-	6.0	4.9	5.5	0.92	.42	22nd	9	0	0	5	2	8	0	8	1	3	5	3	8	12	12	10
August	-	6.2	5.4	5.8	1.57	.38	15th	10	0	0	4	7	5	0	5	8	21	5	2	1	9	7	4
September	-	5.4	4.1	4.8	0.95	.80	29th	20	0	0	4	5	6	4	4	1	0	3	2	13	21	7	9
October	-	6.4	4.3	5.4	1.73	.92	27th	9	0	0	2	8	9	0	2	2	2	9	4	10	13	1	19
November	-	6.6	4.0	5.3	2.33	.72	3rd	9	0	0	0	0	12	2	0	0	0	3	8	14	22	0	13
December	-	7.8	6.2	7.0	2.32	.17	1,5,29	17	4	0	0	4	19	2	1	5	8	7	3	11	10	2	15
Year	-	7.9	7.2	7.6	1.18	—	—	155	19	7	26	57	120	26	37	65	56	51	54	149	125	60	133



## ST DAVID'S (PEMBROKE)

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January	ins.	29° 543	42° 7	43° 1	42° 9	39° 5	48° 3	25° 4	28th	53° 7	16th	1° 3	1° 5	1° 4	252	253	253	88° 8	87° 3	88° 1
February	552	42° 3	42° 7	42° 5	39° 1	47° 7	27° 9	3rd	53° 2	9th	1° 1	0° 8	1° 0	251	260	256	90° 7	93° 4	92° 1	
March	855	44° 1	42° 5	43° 3	39° 0	49° 0	27° 4	22nd	61° 2	15th	1° 8	1° 3	1° 6	256	250	253	86° 4	89° 4	87° 9	
April	603	47° 3	44° 9	46° 1	42° 4	51° 1	33° 1	18th	55° 0	29th	1° 5	1° 0	1° 3	293	278	286	89° 3	92° 3	90° 8	
May	772	52° 5	47° 7	50° 1	44° 4	57° 2	38° 1	27th	65° 2	30th	3° 2	1° 2	2° 2	316	303	310	80° 2	91° 5	85° 9	
June	830	61° 4	55° 2	58° 3	51° 4	66° 7	45° 4	3, 4	75° 8	6th	4° 0	1° 8	2° 9	420	387	404	77° 6	88° 2	82° 9	
July	877	60° 9	57° 7	59° 3	54° 8	66° 4	51° 1	2nd	74° 0	18th	2° 2	0° 9	1° 6	467	452	460	87° 2	94° 5	90° 9	
August	840	65° 7	60° 9	63° 3	57° 8	72° 2	53° 0	11th	80° 0	3rd	3° 0	1° 3	2° 2	528	495	512	83° 8	92° 5	88° 2	
September	663	58° 1	56° 3	57° 2	53° 0	63° 3	40° 1	29th	71° 6	5th	3° 3	2° 3	2° 8	396	393	395	80° 3	85° 3	82° 8	
October	799	52° 0	51° 3	51° 7	46° 7	56° 9	38° 3	6th	61° 3	18th	1° 6	1° 6	1° 6	350	342	346	89° 5	89° 2	89° 4	
November	889	51° 2	50° 1	50° 7	47° 9	54° 1	38° 2	17th	58° 2	4th	0° 9	0° 7	0° 8	355	347	351	93° 9	95° 3	94° 6	
December	29° 582	41° 4	41° 0	41° 2	36° 9	46° 0	25° 2	17th	55° 2	6th	1° 4	1° 4	1° 4	239	233	236	87° 7	87° 6	87° 7	
Year	29° 734	51° 6	49° 5	50° 6	46° 1	56° 6	—	—	—	—	2° 1	1° 3	1° 7	344	333	339	86° 3	90° 5	88° 4	

## BERKHAMSTED

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

	ins.													in.	in.	in.	%	%	%
January	29.400	39.6	40.6	40.1	36.0	46.9	26.8	25th	54.2	15, 16	1.1	1.6	1.4	221	219	220	91	87	89
February	477	38.4	38.9	38.7	34.0	48.7	19.2	4th	63.0	10th	1.1	1.5	1.3	210	207	209	91	87	89
March	656	38.4	38.1	38.2	31.2	50.6	17.5	21st	61.2	12, 13	1.7	1.7	1.7	199	196	197	86	85	86
April	400	46.1	44.4	45.3	39.3	53.7	29.2	17, 19	65.0	1st	2.9	2.1	2.5	246	245	246	79	84	81
May	601	51.1	47.5	49.3	41.1	59.5	31.4	27th	70.3	31st	4.1	2.3	3.2	274	274	274	73	83	78
June	656	61.0	56.2	58.6	47.9	71.2	35.9	15th	83.1	5th	5.6	3.3	4.4	367	358	362	68	79	74
July	670	65.1	61.7	63.4	53.9	75.0	45.9	28th	85.3	20th	5.8	3.6	4.7	425	433	429	69	79	74
August	691	65.3	61.0	63.1	53.0	77.1	43.5	22nd	86.9	15, 25	5.4	3.5	4.5	441	425	433	71	79	75
September	447	56.3	53.9	55.1	48.0	66.6	29.2	29th	86.1	5th	4.1	2.7	3.4	339	342	341	75	82	78
October	653	47.2	45.6	46.4	38.8	58.9	30.1	10th	65.2	18th	1.3	1.0	1.1	294	283	288	90	92	91
November	757	45.0	44.8	44.9	39.5	52.4	28.0	18th	60.3	4th	1.4	1.5	1.5	266	262	264	89	88	89
December	29.468	34.8	34.3	34.6	30.3	40.4	15.8	14th	54.4	6, 7	0.8	0.6	0.7	186	186	186	92	94	93
Year	29.573	49.0	47.3	48.1	41.1	58.4	—	—	—	—	2.9	2.2	2.5	289	286	287	81.2	84.9	83.1

## KEW

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

	ins.													in.	in.	in.	%	%	%
January	29.813	41.6	42.7	42.2	37.9	47.3	28.8	6th	55.4	21st	2.0	2.5	2.3	222	222	222	85	81	83
February	29.884	39.6	41.3	40.5	36.2	47.6	21.9	28th	62.3	10th	1.6	2.1	1.9	211	217	214	87	84	86
March	30.068	38.4	39.6	39.0	32.3	48.1	22.5	21st	59.8	31st	2.2	2.2	2.2	190	201	196	83	82	83
April	29.807	47.5	46.9	47.2	41.2	54.2	32.2	18th	63.8	1st	3.4	2.9	3.2	250	254	252	77	80	79
May	29.999	52.5	50.6	51.6	43.3	59.9	34.8	4th	71.3	31st	4.5	3.6	4.1	282	280	281	71	76	74
June	30.038	61.4	60.3	60.9	51.0	70.7	42.6	14, 15	80.6	5th	6.3	5.3	5.8	357	366	362	66	70	68
July	052	66.0	65.8	65.9	57.0	75.4	50.4	5th	86.4	21st	6.7	5.8	6.3	414	437	426	65	69	67
August	30.068	66.4	64.0	65.2	56.4	75.8	48.2	22nd	87.3	15th	6.2	4.9	5.6	436	434	435	67	73	70
September	29.838	57.8	57.2	57.5	49.8	66.1	35.2	29th	84.2	5th	4.9	3.8	4.4	342	359	351	72	76	74
October	30.051	47.0	48.1	47.6	41.5	56.6	31.0	14th	62.2	1st	1.5	1.3	1.4	287	303	295	90	91	91
November	30.171	46.5	47.0	46.8	41.4	52.5	27.8	30th	60.8	4th	1.6	1.9	1.8	279	277	278	88	87	88
December	29.881	36.0	36.5	36.3	32.4	41.1	21.3	14th	54.0	6th	1.3	1.2	1.3	188	193	191	88	90	89
Year	29.973	50.1	50.0	50.1	43.4	57.9	—	—	—	—	3.5	3.1	3.3	288	295	292	78.3	79.9	79.1

## ST. DAVID'S (PEMBROKE).

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

Heights above Ground.																								
1899.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
				ins.	ins.																			
January	-	-	7.5	6.4	7.0	7.363	1.250	20th	24	0	4	0	4	17	10	2	10	6	5	4	14	14	7	0
February	-	-	7.2	5.4	6.3	2.804	.455	9th	16	1	0	0	3	10	5	0	3	9	21	6	13	3	0	1
March	-	-	6.9	4.3	5.6	1.545	.485	25th	15	5	4	0	4	7	4	6	11	4	1	1	14	11	11	3
April	-	-	7.7	5.8	6.8	2.673	.805	20th	24	1	1	0	1	11	5	4	9	0	3	4	15	11	11	3
May	-	-	5.0	5.3	5.2	2.082	.628	19th	17	0	0	0	9	7	0	7	11	3	9	3	15	4	9	1
June	-	-	3.8	4.3	4.1	2.309	.964	20th	7	0	0	1	13	6	0	7	15	1	9	1	6	3	16	2
July	-	-	7.3	5.8	6.6	2.063	1.264	10th	10	0	0	1	3	10	0	5	7	0	0	5	17	11	14	3
August	-	-	4.5	3.0	3.8	1.389	.296	31st	8	0	0	8	7	2	0	4	11	9	15	1	9	3	9	1
September	-	-	6.9	5.9	6.4	1.499	.455	29th	16	0	2	2	1	10	9	4	7	1	2	1	7	15	21	2
October	-	-	6.0	5.6	5.8	3.369	1.020	29th	14	0	0	0	3	10	5	2	7	10	18	2	7	2	9	5
November	-	-	8.3	7.6	8.0	2.261	.595	7th	13	0	1	0	1	15	8	0	0	7	6	6	19	15	6	1
December	-	-	8.2	7.8	8.0	4.020	.775	28th	23	1	4	0	0	17	5	2	6	15	14	5	7	3	8	2
Year	-	-	6.6	5.6	6.1	33.377	—	—	187	8	16	12	49	122	51	43	97	65	103	39	143	95	121	24

## BERKHAMSTED.

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

Heights at New York																						
				ins.	ins.																	
				2' 777	438	15th	23	1	1	0	5	17	2	4	9	0	5	10	14	10	3	7
January	-	7.3	6.1	5.7	433	8th	10	4	1	0	6	8	0	2	2	9	5	16	3	1	0	18
February	-	6.8	4.5	5.7	270	8th	9	7	5	0	7	3	0	4	5	1	4	4	6	13	10	15
March	-	5.5	3.1	4.3	394	13th	21	2	3	0	1	8	0	2	3	1	4	7	11	15	12	5
April	-	7.3	5.3	6.3	611	19th	11	0	0	2	6	11	1	10	12	4	1	10	8	3	2	12
May	-	6.8	4.9	5.8	130	30th	6	0	0	1	7	7	0	7	7	4	6	4	0	6	9	17
June	-	5.5	4.4	5.0	932	22nd	10	0	0	4	2	10	0	1	1	5	2	8	3	16	13	13
July	-	5.5	5.3	5.4	269	15th	6	0	0	3	8	3	0	2	8	19	4	3	4	6	6	10
August	-	4.7	3.7	4.2	530	29th	19	0	1	4	6	6	0	1	1	0	0	6	9	22	10	11
September	-	6.6	4.3	5.4	218	1st	10	0	1	1	8	9	0	2	7	7	6	6	7	3	22	10
October	-	6.0	4.4	5.2	3051	5th	9	0	0	0	1	13	0	0	2	1	2	8	7	15	3	22
November	-	8.0	5.8	6.9	3404	28, 29	18	5	1	0	4	20	0	0	2	12	8	2	6	12	3	17
December	-	7.9	7.4	7.7	1440																	
Year	-	6.5	4.9	5.7	25877	—	152	19	13	15	61	115	3	35	54	63	48	84	77	126	74	169



## NORWOOD

Long. 0° 6' W. Lat. 51° 26' N. Height above Mean Sea Level, 220 feet. Gravity Correction, +.017 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.			
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
January	ins. 29°603	41°5	42°1	41°8	37°4	47°7	28°8	25th	54°5	21st	1°5	1°9	1°7	2°30	2°28	2°29	88	85	87	
February	°672	40°2	41°1	40°7	35°9	48°9	22°5	28th	63°4	10th	1°6	1°9	1°8	2°16	2°18	2°17	87	84	85	
March	°846	40°2	39°5	39°8	32°4	49°9	19°7	22nd	60°4	29, 30	2°4	2°1	2°2	2°01	2°01	2°01	81	83	82	
April	°598	48°0	45°7	46°9	40°7	55°5	30°5	12th	64°5	1st	3°4	2°5	3°0	2°56	2°50	2°53	76	81	79	
May	°783	53°0	48°9	50°9	42°4	60°7	32°3	4th	73°4	31st	4°5	2°8	3°6	2°88	2°77	2°83	71	80	75	
June	°822	63°9	58°7	61°3	50°6	71°9	40°6	15th	82°4	4, 26	7°4	4°5	6°0	3°65	3°62	3°63	61	73	67	
July	°845	68°7	63°9	66°3	56°0	76°5	48°0	5th	87°3	21st	7°9	4°6	6°2	4°27	4°41	4°34	61	74	68	
August	°857	68°4	62°3	65°4	56°0	76°3	47°5	22nd	88°6	15th	6°7	3°3	5°0	4°56	4°51	4°54	66	80	73	
September	°636	59°4	56°1	57°7	49°5	67°1	38°6	29th	87°0	5th	5°1	3°0	4°1	3°57	3°65	3°61	70	81	75	
October	°835	49°2	47°9	48°6	41°5	57°3	33°5	8th	62°4	1, 11, 12, 28	1°9	1°2	1°5	3°02	3°04	3°03	86	91	89	
November	°954	47°5	47°0	47°2	41°9	53°1	31°2	30th	62°3	4th	1°9	1°8	1°9	2°83	2°79	2°81	86	86	86	
December	29°667	36°3	36°6	36°5	32°0	41°5	20°4	16th	54°5	7th	1°1	1°1	1°1	1°193	1°195	1°194	90	90	90	
Year	29°760	51°4	49°2	50°3	43°0	58°9	—	—	—	—	3°8	2°6	3°2	2°98	2°98	2°98	76°9	82°3	79°6	

## REDE COURT (ROCHESTER)

Long. 0° 29' E. Lat. 51° 24' N. Height above Mean Sea Level, 224 feet. Gravity Correction, +.017 in.

	ins.												in.	in.	in.	%	%	%	
January	29.585	41.0	41.3	41.2	37.3	46.9	29.6	25, 28	54.7	4th	1.0	1.2	1.1	.240	.240	.240	91.6	90.1	90.9
February	.664	39.5	40.2	39.9	35.8	47.6	23.5	28th	63.1	10th	1.1	1.4	1.3	.226	.226	.226	91.3	88.7	90.0
March	.831	39.5	38.6	39.1	33.3	49.3	20.8	22nd	60.3	29th	1.9	1.5	1.7	.208	.209	.209	83.2	85.8	84.5
April	.575	47.3	45.1	46.2	40.8	54.2	32.8	12, 17	62.0	1, 6	2.5	1.6	2.1	.271	.268	.270	82.4	88.3	85.4
May	.771	52.1	47.8	50.0	42.4	59.2	31.9	4th	71.4	31st	3.4	1.9	2.7	.306	.291	.299	78.5	86.7	82.6
June	.817	62.0	56.1	59.1	50.6	70.3	41.0	15th	80.8	2nd	5.5	2.6	4.1	.391	.381	.386	70.0	84.1	77.1
July	.829	66.8	61.8	64.3	56.3	75.6	49.7	5th	86.9	21st	5.8	3.0	4.4	.462	.456	.459	70.8	82.4	76.6
August	.851	66.5	60.4	63.5	56.0	74.2	48.7	21st	88.8	15th	4.9	2.0	3.5	.480	.462	.471	74.0	88.0	81.0
September	.613	57.8	55.3	56.6	50.4	66.4	38.0	29th	84.9	5th	4.2	2.3	3.3	.368	.381	.375	75.2	85.3	80.3
October	.825	48.4	46.9	47.7	41.6	57.5	34.6	20th	63.0	28th	1.2	0.9	1.1	.315	.303	.309	92.0	93.0	92.5
November	.943	46.7	46.8	46.8	42.7	52.3	31.9	30th	61.4	2nd	1.6	1.4	1.5	.287	.291	.289	89.2	89.8	89.5
December	29.653	35.8	35.6	35.7	32.1	40.8	21.3	16th	53.8	6th	0.9	0.7	0.8	.197	.201	.199	90.7	92.5	91.6
Year	29.746	50.3	48.0	49.2	43.3	57.9	—	—	—	—	2.8	1.7	2.3	.313	.309	.311	82.4	87.9	85.2

## BRAMLEY (GUILDFORD)

Long. 0° 33' W. Lat. 51° 11' N. Height above Mean Sea Level, 148 feet. Gravity Correction, +.015 in.

	ins.													in.	in.	in.	%	%	%
January	- 29°6'0	40°6	41°6	41°1	36°1	47°1	26°3	25th	55°0	21st	1°4	1°8	1°6	231	232	232	88°4	85°6	87°0
February	- 732	39°1	39°2	39°2	34°7	49°2	19°7	4th	62°7	10th	1°4	1°3	1°4	217	221	219	88°1	88°0	88°1
March	- 924	38°2	37°7	38°0	29°9	50°1	18°1	25th	61°0	31st	1°7	1°4	1°6	200	202	201	83°3	85°7	84°5
April	- 667	48°3	45°5	46°9	39°7	55°5	28°1	19th	65°9	26th	3°2	1°6	2°4	268	271	270	78°4	88°1	83°3
May	- 854	53°4	48°1	50°8	40°8	61°3	28°8	5th	72°5	31st	4°1	2°0	3°1	308	291	300	75°2	85°5	80°4
June	- 895	65°1	57°7	61°4	48°2	74°0	39°0	15th	85°1	5th	6°4	2°7	4°6	416	402	409	66°7	83°3	75°0
July	- 915	69°3	62°3	65°8	54°1	78°0	45°2	5th	90°9	20th	7°3	2°9	5°1	461	471	466	64°6	83°6	74°1
August	- 922	71°3	62°8	67°1	53°4	80°6	42°6	22nd	91°9	15th	7°6	3°5	5°6	486	457	472	63°8	80°2	72°0
September	- 707	58°4	55°3	56°9	48°0	67°2	32°7	29th	86°9	5th	4°2	2°5	3°4	381	377	379	75°5	84°8	80°2
October	- 29°907	46°7	44°7	45°7	38°7	58°4	27°8	14th	65°4	18th	1°4	0°8	1°1	295	284	290	90°8	94°0	92°4
November	- 30°029	45°7	45°5	45°6	39°2	52°8	26°1	30th	60°2	4, 5	1°4	1°5	1°5	284	278	281	90°5	89°5	90°0
December	- 29°728	35°0	34°2	34°6	29°4	41°7	13°2	15, 16	56°2	30th	1°1	0°8	1°0	186	187	187	86°9	89°3	88°1
Year	- 29°829	50°9	47°9	49°4	41°0	59°7	—	—	—	—	3°4	1°9	2°7	311	306	309	79°4	86°5	83°0

## NORWOOD.

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

Heights above Ground. — Baromet. —																							
1899.	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	5.9	6.2	ins. 2.54	ins. .46	13th	21	1	1	0	8	13	4	3	11	2	1	13	20	8	2	2
February	-	6.4	4.6	5.5	2.11	.39	6th	12	1	0	0	9	9	5	5	10	7	3	13	11	1	0	6
March	-	5.5	2.5	4.0	0.51	.19	25th	10	4	0	0	9	4	0	7	6	0	1	5	18	11	8	6
April	-	7.6	6.1	6.9	2.70	.55	24th	22	2	1	1	2	10	0	7	0	1	2	8	14	15	11	2
May	-	7.3	3.7	5.5	1.66	.40	16th	9	0	1	0	5	7	1	10	14	0	0	12	16	3	2	5
June	-	5.5	4.4	4.9	0.94	.47	30th	5	0	0	1	9	6	0	8	16	6	2	7	4	3	7	7
July	-	5.5	4.2	4.6	0.67	.29	22nd	8	0	0	1	9	6	0	3	6	0	3	3	15	10	13	9
August	-	4.8	3.7	4.3	0.55	.23	28th	7	0	1	2	7	3	0	3	16	12	7	2	7	4	6	5
September	-	6.3	4.4	5.3	2.43	1.03	29th	17	0	1	4	7	10	0	4	1	0	0	4	14	15	13	9
October	-	5.5	3.7	4.6	2.39	1.02	27th	14	0	0	0	11	9	0	1	8	9	0	9	10	5	4	16
November	-	7.9	7.1	7.5	4.17	1.44	5th	12	0	0	0	1	14	4	2	5	0	0	11	16	15	4	7
December	-	8.1	6.5	7.3	1.37	.24	1st	19	5	0	0	5	19	1	4	8	9	4	10	14	1	2	10
Year	-	6.4	4.7	5.6	22.04	—	—	156	13	5	9	82	110	15	57	101	46	23	97	159	91	72	84



## WOOLACOMBE

Long. 4° 12' W. Lat. 51° 10' N. Height above Mean Sea Level, 59 feet. Gravity Correction, +.016 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29°739	45°·2	45°·5	45°·4	41°·2	49°·3	29°·2	26th	57°·2	15th	2°·0	2°·1	2°·1	in. 2°63	in. 2°64	in. 2°64	% 84°·5	% 84°·0	% 84°·3
February	29°741	44°·7	44°·2	44°·5	40°·2	50°·2	29°·4	3rd	59°·0	10th	2°·1	1°·9	2°·0	2°54	2°54	2°54	84°·5	85°·7	85°·1
March	30°030	44°·8	43°·8	44°·3	39°·4	50°·0	28°·8	23rd	64°·2	15th	2°·3	1°·8	2°·1	2°53	2°52	2°53	82°·5	85°·5	84°·0
April	29°779	48°·3	47°·7	48°·0	43°·9	51°·7	37°·0	17th	57°·8	28th	2°·2	1°·8	2°·0	2°87	2°89	2°88	84°·1	86°·5	85°·3
May	°936	52°·5	50°·9	51°·7	46°·3	56°·7	37°·4	5th	66°·8	31st	3°·1	2°·5	2°·8	3°17	3°11	3°14	79°·9	83°·2	81°·6
June	29°984	60°·8	58°·9	59°·9	53°·6	67°·1	47°·2	3rd	79°·4	6th	3°·4	3°·2	3°·3	4°28	4°03	4°16	80°·2	80°·9	80°·6
July	30°040	62°·9	60°·9	61°·9	57°·0	66°·9	53°·0	13th	84°·0	20th	3°·7	2°·6	3°·2	4°54	4°52	4°53	79°·6	84°·5	82°·1
August	29°994	67°·2	64°·4	65°·8	59°·7	74°·1	55°·2	13th	84°·2	3rd	5°·1	4°·1	4°·6	4°86	4°70	4°78	73°·8	77°·8	75°·8
September	°830	60°·4	59°·3	59°·9	56°·2	64°·5	45°·4	29th	77°·2	4th	4°·1	3°·2	3°·7	4°05	4°14	4°10	75°·9	80°·9	78°·4
October	29°964	54°·9	53°·0	54°·0	49°·4	59°·6	43°·0	19th	67°·6	17th	3°·3	2°·7	3°·0	3°42	3°35	3°39	79°·0	82°·4	80°·7
November	30°091	51°·9	50°·4	51°·2	47°·2	55°·2	38°·0	19th	62°·4	4th	2°·3	1°·8	2°·1	3°30	3°22	3°26	84°·4	87°·3	85°·9
December	29°766	42°·2	41°·7	42°·0	37°·6	45°·9	25°·4	15th	57°·6	6th	1°·8	1°·8	1°·8	2°36	2°31	2°34	84°·8	84°·7	84°·8
Year	29°908	53°·0	51°·7	52°·4	47°·6	57°·6	—	—	—	—	3°·0	2°·5	2°·8	3°38	3°33	3°36	81°·1	83°·6	82°·4

## SOUTHAMPTON

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

1899.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet-Bullb.	Tension of Vapour.			9 a.m.	9 p.m.	Mean.	Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.770	42.1	42.9	42.5	38.1	48.7	28.4	25th	55.8	21st	1.1	1.5	1.4	in. 2.50	in. 2.48	in. 2.49	90.8	87.4	89.1
February	29.815	42.0	42.1	42.1	37.7	50.0	25.5	28th	60.9	10th	1.6	1.7	1.7	2.40	2.39	2.40	87.6	87.1	87.4
March	30.029	42.1	41.3	41.7	33.8	52.3	23.2	24th	63.2	15th	2.3	1.7	2.0	2.28	2.30	2.29	82.3	85.2	83.8
April	29.771	50.3	46.9	48.6	42.0	55.8	33.1	12th	64.7	1st	3.6	2.0	2.8	2.82	2.77	2.80	77.3	85.4	81.4
May	947	55.1	51.0	53.1	44.4	61.8	33.5	5th	69.5	8th	4.9	2.8	3.9	3.11	3.08	3.10	71.3	81.8	76.6
June	29.979	65.9	60.0	63.0	51.9	73.5	43.2	15th	83.4	5th	7.1	3.8	5.5	4.09	4.05	4.07	64.2	78.0	71.1
July	30.010	69.7	64.9	67.3	57.2	77.0	48.5	5th	87.3	30th	7.0	4.0	5.5	4.76	4.79	4.78	65.7	77.6	71.7
August	30.003	71.1	65.1	68.1	57.3	78.3	50.9	22nd	87.8	3rd	7.1	3.7	5.4	4.95	4.92	4.94	65.4	79.5	72.5
September	29.810	60.7	57.4	59.1	51.1	68.6	37.9	29th	85.6	5th	3.9	2.2	3.1	4.17	4.13	4.15	77.8	86.4	82.1
October	29.994	50.1	49.2	49.7	42.8	60.5	31.8	14th	65.3	12th	1.6	1.3	1.5	3.27	3.22	3.25	89.5	90.7	90.1
November	30.126	48.0	48.2	48.1	43.3	54.5	31.3	19th	61.6	5th	1.6	1.6	1.6	3.02	3.04	3.03	88.7	88.8	88.8
December	29.814	37.3	37.7	37.5	33.4	44.1	20.9	15th	56.6	1st	1.1	1.1	1.1	2.07	2.11	2.09	90.5	90.0	90.3
Year	29.922	52.9	50.6	51.8	44.4	60.4	—	—	—	—	3.6	2.3	3.0	3.29	3.27	3.28	79.3	84.8	82.1

## ST. LEONARDS

Long. 0° 33' E. Lat. 50° 51' N. Height above Mean Sea Level, 178 feet. Gravity Correction, +.015 in.

1899.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet-Bullb.	Tension of Vapour.			9 a.m.	9 p.m.	Mean.	Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.676	42.6	42.9	42.8	39.0	47.7	30.9	25th	52.8	21st	2.0	2.0	2.0	in. 2.38	in. 2.40	in. 2.39	84.7	84.9	84.8
February	747	42.4	42.4	42.4	38.7	47.0	29.2	3rd	54.7	10th	1.8	2.0	1.9	2.38	2.34	2.36	86.3	84.4	85.4
March	918	41.8	40.3	41.1	34.8	48.2	20.1	22nd	56.9	15th	2.8	2.1	2.5	2.14	2.12	2.13	79.0	82.8	80.9
April	668	47.3	44.8	46.1	41.7	52.2	32.0	12th	57.4	28th	2.7	1.5	2.1	2.68	2.67	2.68	81.7	88.7	85.2
May	849	52.2	48.1	50.2	44.2	56.7	35.5	4th	69.0	31st	4.0	1.8	2.9	2.96	2.97	2.97	75.5	87.2	81.4
June	888	61.7	56.5	59.1	52.2	66.2	44.0	15th	78.7	6th	6.0	3.2	4.6	3.76	3.72	3.74	68.4	81.5	75.0
July	912	66.0	61.5	63.8	57.0	71.8	51.9	14th	83.5	20th	5.9	3.2	4.6	4.43	4.46	4.45	70.5	82.2	76.4
August	913	68.6	62.3	65.5	58.5	73.8	50.0	21st	82.9	5th	6.5	3.1	4.8	4.70	4.63	4.67	67.5	82.7	75.1
September	703	59.0	56.8	57.9	51.7	65.4	41.7	23rd	78.8	5th	4.4	2.7	3.6	3.80	3.93	3.87	75.0	83.3	79.2
October	29.901	52.6	50.8	51.7	46.0	58.3	39.9	14, 31	63.0	28th	2.9	2.1	2.5	3.26	3.22	3.24	81.4	85.9	83.7
November	30.030	48.9	48.5	48.7	44.6	53.6	37.3	20th	61.8	2nd	2.2	2.1	2.2	2.98	2.93	2.96	85.2	85.3	85.3
December	29.722	37.9	38.4	38.2	34.0	43.0	23.5	14th	53.9	7th	1.5	1.6	1.6	2.02	2.07	2.05	85.4	85.6	85.5
Year	29.827	51.8	49.4	50.6	45.2	57.0	—	—	—	—	3.6	2.3	3.0	3.12	3.12	3.12	78.4	84.5	81.5

## WOOLACOMBE.

Heights above Ground:—Barometer, 20 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

Heights in Feet.														Weather, No. of Days of										Wind, No. of Observations of									
1999.	Amount of Cloud.				Rainfall.																												
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.											
January	7.5	6.2	6.9	ins. 5.48	ins. 6.2	20th	21	0	3	2	3	13	5	1	8	8	11	2	12	16	4	0											
February	6.3	5.5	5.9	3.25	6.2	5th	14	0	2	3	6	9	0	0	2	16	21	11	2	1	3	0											
March	5.1	4.6	4.9	0.91	3.8	25th	13	3	2	0	7	6	0	4	6	9	9	1	13	8	8	4											
April	6.9	6.5	6.7	2.66	7.3	20th	21	0	1	0	1	13	3	3	5	1	7	6	15	11	10	2											
May	5.5	4.7	5.1	2.13	7.0	19th	15	0	2	2	8	8	0	2	10	12	9	10	16	2	0	1											
June	3.7	4.3	4.0	1.42	4.9	30th	8	0	0	0	11	3	0	1	5	14	8	4	13	7	6	2											
July	6.4	5.5	6.0	1.17	7.3	10th	8	0	0	1	6	10	0	2	3	6	5	5	13	7	11	10											
August	4.3	3.0	3.7	2.40	4.4	27th	11	0	1	7	9	4	0	1	13	15	4	7	4	13	1	4											
September	6.1	5.8	6.0	2.49	1.20	30th	17	0	0	1	2	5	3	2	1	3	4	2	8	23	11	6											
October	5.3	4.8	5.1	2.87	5.5	29th	13	0	0	0	7	8	1	0	4	28	10	4	4	4	5	3											
November	6.9	6.8	6.9	3.17	8.8	3rd	13	0	0	0	4	15	3	0	2	11	15	7	13	7	3	2											
December	6.7	6.1	6.4	3.28	7.6	11th	17	2	3	1	2	10	1	1	8	23	16	4	6	2	2	0											
Year	5.9	5.3	5.6	31.23	—	—	171	5	14	17	66	104	16	17	67	146	119	63	119	101	64	34											



## EASTBOURNE

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.824	44.0	44.7	44.4	39.9	48.7	31.0	25, 31	53.6	12th	1.9	2.1	2.0	25.1	25.4	25.3	85.0	83.8	84.4		
February	29.878	43.0	42.9	43.0	38.5	47.6	28.0	4th	54.6	10th	1.9	1.8	1.9	24.0	24.2	24.1	84.6	85.8	85.2		
March	30.048	42.5	41.6	42.1	35.8	48.1	24.3	22, 24	55.7	30th	2.1	2.2	2.2	23.2	22.0	22.6	82.8	80.7	81.8		
April	29.794	48.1	46.9	47.5	42.7	52.8	35.0	18th	57.0	28th	2.6	2.1	2.4	27.7	27.3	27.5	82.3	85.5	83.9		
May	29.972	51.9	49.5	50.7	44.5	56.5	36.3	4th	64.4	8th	3.4	2.8	3.1	30.5	28.8	29.7	78.4	80.6	79.5		
June	30.002	59.5	58.2	58.9	52.4	64.4	44.0	14th	72.4	2nd	4.7	4.1	4.4	37.3	37.1	37.2	72.5	76.2	74.4		
July	30.025	65.2	63.7	64.5	57.9	70.1	53.0	29th	77.6	20th	4.6	4.0	4.3	46.8	45.7	46.3	74.9	77.6	76.3		
August	30.024	67.1	65.2	66.2	59.0	72.0	51.4	21st	78.6	15th	5.3	4.6	5.0	47.9	46.5	47.2	71.9	75.0	73.5		
September	29.826	59.5	60.3	59.9	53.3	66.4	43.3	29th	75.0	5th	4.5	3.8	4.2	38.3	41.3	39.8	73.6	77.8	75.7		
October	30.034	53.0	52.8	52.9	46.7	58.9	37.4	14th	64.0	28th	2.8	2.8	2.8	33.4	33.0	33.2	82.1	81.7	81.9		
November	30.173	50.6	50.9	50.8	45.9	55.2	36.5	20th	61.0	2nd	2.1	2.6	2.4	31.8	31.1	31.5	85.0	82.6	83.8		
December	29.869	39.9	39.7	39.8	35.3	45.3	24.0	16th	56.4	7th	1.9	1.4	1.7	21.4	21.8	21.6	83.1	86.4	84.8		
Year	29.956	52.0	51.4	51.7	46.0	57.2	—	—	—	—	3.2	2.9	3.1	32.3	32.1	32.2	79.7	81.1	80.4		

## PARKSTONE (BOURNEMOUTH)

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.641	41.6	42.4	42.0	37.2	47.6	27.3	25th	54.0	21st	1.0	1.5	1.3	24.9	24.5	24.7	91.1	87.5	89.3		
February	29.673	41.5	41.3	41.4	36.8	49.0	26.1	3rd	59.4	10th	1.3	1.4	1.4	24.2	23.6	23.9	89.5	88.3	88.9		
March	29.902	42.0	40.2	41.1	34.1	51.2	22.3	21st	60.7	15th	2.4	1.8	2.1	22.4	21.8	22.1	80.9	83.0	82.0		
April	29.654	48.8	45.1	47.0	40.5	54.5	32.0	17, 19	60.9	3rd	3.4	1.5	2.5	27.0	27.0	27.0	78.2	89.2	83.7		
May	29.820	53.3	49.0	51.2	43.0	60.2	32.4	5th	68.9	31st	4.6	2.4	3.5	29.5	29.4	29.5	72.6	84.4	78.5		
June	29.856	64.5	56.7	60.6	50.3	71.9	41.5	9th	80.7	5, 26	7.1	2.8	5.0	38.7	38.2	38.5	63.7	83.2	73.5		
July	29.894	67.0	61.7	64.4	54.7	75.5	46.7	5th	87.8	30th	6.7	3.4	5.1	43.9	44.4	44.2	67.0	80.9	74.0		
August	29.878	69.2	63.1	66.2	55.6	77.9	49.9	22nd	86.8	3rd	7.3	3.4	5.4	45.7	46.7	46.2	64.3	81.3	72.8		
September	29.696	59.5	56.2	57.9	50.2	68.6	38.5	28th	83.3	5th	4.4	2.4	3.4	38.9	39.1	39.0	75.3	85.0	80.2		
October	29.862	50.0	49.2	49.6	42.9	59.6	34.3	14th	64.9	24th	1.4	1.3	1.4	33.0	32.3	32.7	90.6	91.1	90.9		
November	29.999	48.0	47.5	47.8	43.1	53.7	33.9	19th	59.9	2nd	1.7	1.3	1.5	30.1	30.1	30.1	88.9	90.6	89.8		
December	29.681	37.3	38.0	37.7	32.9	43.4	20.4	15th	55.0	6th	1.1	1.2	1.2	20.6	21.1	20.9	89.2	88.2	88.7		
Year	29.796	51.9	49.2	50.6	43.4	59.4	—	—	—	—	3.5	2.0	2.8	31.6	31.5	31.6	79.3	86.1	82.7		

## ROUSDON

Long. 3° 0' W. Lat. 50° 43' N. Height above Mean Sea Level, 515 feet. Gravity Correction, +014 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.280	41.7	42.0	41.9	38.2	46.6	29.1	24th	55.1	13th	1.1	1.4	1.3	23.9	23.7	23.8	91	89	90		
February	29.302	41.7	41.9	41.8	38.3	47.1	25.8	3rd	53.8	9th	1.0	1.5	1.2	24.2	23.4	23.8	92	88	90		
March	29.548	41.5	40.3	40.9	35.8	49.0	22.4	22nd	59.1	31st	1.8	1.4	1.6	22.5	22.1	22.3	86	88	87		
April	29.305	46.0	44.4	45.2	41.0	51.0	33.5	14th	58.3	30th	1.8	1.2	1.5	26.9	26.5	26.7	86	90	88		
May	29.469	50.1	48.5	49.3	44.1	55.2	34.7	4th	64.1	8th	3.0	1.9	2.5	28.7	29.4	29.1	79	86	83		
June	29.508	60.3	55.9	58.1	51.3	65.6	41.2	14th	75.0	6th	4.3	3.0	3.6	39.1	36.2	37.6	75	81	78		
July	29.557	63.1	59.2	61.1	54.8	68.8	47.4	16th	79.9	30th	3.9	1.8	2.9	44.6	44.6	44.6	77	89	83		
August	29.535	65.5	61.6	63.6	57.4	71.2	52.6	22nd	78.7	3rd	3.9	2.8	3.3	48.9	45.6	47.3	78	83	80		
September	29.358	58.7	55.8	57.2	51.7	64.3	41.5	29th	72.8	5th	3.3	1.8	2.6	39.4	39.3	39.3	80	88	84		
October	29.502	51.9	50.5	51.2	46.6	57.9	36.8	14th	62.1	24th	1.4	1.4	1.4	34.9	33.0	34.0	90	90	90		
November	29.633	48.6	48.2	48.4	45.0	53.3	32.3	19th	58.1	5, 10	1.4	1.1	1.2	30.7	30.9	30.8	90	91	91		
December	29.305	38.6	39.3	39.0	34.7	44.0	21.4	15th	54.3	6th	0.8	0.8	0.8	21.8	22.4	22.1	93	93	93		
Year	29.442	50.6	49.0	49.8	44.9	56.2	—	—	—	—	2.3	1.7	2.0	32.1	31.4	31.8	84.8	88.0	86.4		

## EASTBOURNE.

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

Heights above Ground. — Barometres.																								
1899.		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	6.1	6.3	ins. 3.33	ins. .49	1st	23	1	0	0	2	10	6	10	10	0	1	4	18	12	6	1	
February	-	5.3	3.8	4.6	2.34	.71	4th	11	0	0	1	10	8	4	6	8	8	2	5	15	3	1	8	
March	-	3.5	3.5	3.5	0.60	.18	25th	7	2	0	0	13	4	1	12	6	4	0	2	9	15	5	9	
April	-	6.4	6.7	6.6	3.46	.69	24th	17	0	1	0	3	10	2	3	2	3	1	4	14	17	5	11	
May	-	6.2	4.4	5.3	1.27	.54	14th	10	0	0	0	5	7	4	1	18	6	1	3	14	11	1	7	
June	-	4.7	4.0	4.4	1.16	.40	30th	7	0	0	1	12	6	1	5	12	16	2	3	5	6	3	8	
July	-	3.7	4.7	4.2	0.84	.45	6th	7	0	0	3	13	7	0	6	4	7	4	2	9	17	4	9	
August	-	3.5	2.2	2.9	1.26	.71	28th	5	0	0	1	15	1	0	4	22	13	0	2	8	6	3	4	
September	-	5.0	5.3	5.2	4.07	1.38	29th	14	0	1	4	6	7	1	4	6	2	1	3	10	21	9	4	
October	-	4.9	4.7	4.8	2.09	.68	4th	14	0	0	0	11	10	5	8	2	11	7	4	12	2	10	6	
November	-	7.2	7.7	7.5	4.47	1.29	5th	12	0	0	0	2	15	6	9	3	1	0	6	18	11	5	7	
December	-	7.4	6.6	7.0	3.09	.61	29th	17	1	1	1	5	17	6	9	6	4	8	7	10	6	6	6	
Year	-	5.4	5.0	5.2	27.98	—	—	144	4	3	11	97	102	36	77	99	75	27	45	142	127	58	80	



## WHITCHURCH

Long. 4° 6' W. Lat. 50° 32' N. Height above Mean Sea Level, 593 feet. Gravity Correction, +.014 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.192	41.4	41.6	41.5	37.3	46.0	28.3	24th	52.8	13th	1.1	1.5	1.3	in. 237	231	234	91	88	90		
February	181	43.3	42.4	42.9	38.7	48.1	27.3	3rd	59.1	17th	1.7	1.6	1.7	243	237	240	87	87	87		
March	459	42.3	39.7	41.0	34.8	49.6	18.9	22nd	62.4	14th	2.4	1.7	2.0	219	210	215	81	86	83		
April	225	46.9	44.1	45.5	40.1	51.5	29.5	17th	57.3	28th	2.1	1.2	1.7	272	262	267	84	91	88		
May	373	51.9	47.4	49.6	43.3	56.6	36.3	4th	67.5	8th	3.4	1.5	2.4	299	290	294	77	88	82		
June	417	63.7	56.4	60.1	51.4	69.7	43.5	3rd	79.8	6th	4.9	2.2	3.6	428	388	408	73	85	79		
July	480	63.6	58.1	60.8	54.0	69.9	48.1	16th	80.0	30th	4.0	1.9	2.9	454	425	440	77	88	83		
August	439	67.3	61.0	64.2	57.3	74.1	50.1	22nd	83.6	24th	5.3	3.0	4.2	479	439	459	72	82	77		
September	289	58.6	54.6	56.6	50.8	64.2	39.7	30th	78.3	5th	3.2	1.7	2.4	396	377	386	80	88	84		
October	403	53.1	50.3	51.7	46.4	58.5	32.9	14th	67.4	22nd	2.0	1.8	1.9	349	318	334	86	87	86		
November	535	48.2	46.9	47.5	43.6	52.2	31.4	19th	57.8	4.5	1.2	1.1	1.2	307	295	301	91	92	92		
December	29.198	39.6	38.9	39.3	34.9	43.9	23.7	14th	54.7	6th	1.3	1.1	1.2	217	215	216	89	91	90		
Year	29.349	51.7	48.5	50.1	44.4	57.0	—	—	—	—	2.8	1.7	2.2	325	307	316	82.3	87.8	85.1		

## PLYMOUTH

Long. 4° 8' W. Lat. 50° 22' N. Height above Mean Sea Level, 116 feet. Gravity Correction, +.015 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.718	44.0	44.4	44.2	39.3	48.5	29.1	24th	54.7	21st	1.0	1.5	1.3	in. 273	266	270	91.6	88.4	90.0		
February	704	44.8	44.3	44.6	40.1	49.8	30.0	3rd	56.8	9th	1.0	1.0	1.0	279	272	276	92.5	92.6	92.6		
March	983	43.7	42.3	43.0	36.8	50.7	24.0	22nd	60.6	14th	1.2	0.5	0.9	266	265	266	91.5	95.3	93.4		
April	751	48.7	47.2	48.0	42.1	52.4	30.8	17th	59.3	3rd	1.8	1.3	1.6	302	297	300	87.6	90.5	89.1		
May	894	53.3	50.4	51.9	45.7	56.0	39.7	4th	64.7	31st	2.8	1.1	2.0	335	341	338	82.5	92.4	87.5		
June	927	63.6	58.9	61.3	53.0	67.2	44.4	15th	75.8	7th	3.0	1.5	2.3	489	455	472	83.3	91.2	87.3		
July	990	65.0	61.0	63.0	55.9	69.0	46.1	1st	79.5	20th	2.9	1.7	2.3	519	486	503	84.0	90.0	87.0		
August	949	68.1	63.7	65.9	58.7	72.7	51.7	22nd	77.7	24th	1.9	0.9	1.4	617	559	588	89.6	94.5	92.1		
September	801	60.8	58.0	59.4	53.5	65.5	42.1	23rd	73.7	7th	3.4	2.4	2.9	435	418	427	80.3	85.8	83.1		
October	29.921	54.2	52.3	53.3	48.5	59.0	33.2	14th	65.5	22nd	1.3	0.9	1.1	388	373	381	91.3	93.7	92.5		
November	30.058	50.3	49.7	50.0	45.5	54.0	31.8	19th	57.9	2nd	1.2	1.3	1.3	338	328	333	92.0	90.7	91.4		
December	29.722	42.3	42.7	42.5	37.4	47.5	24.9	15th	55.8	6th	0.7	0.9	0.8	262	259	261	94.0	92.2	93.1		
Year	29.868	53.2	51.2	52.2	46.4	57.7	—	—	—	—	1.9	1.3	1.6	375	360	368	88.4	91.4	89.9		

## FALMOUTH

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.653	45.1	45.5	45.3	41.9	48.6	30.5	29th	53.9	13, 21	2.2	2.7	2.5	in. 250	245	248	83	81	82		
February	625	45.3	46.1	45.7	42.6	49.7	31.7	3rd	57.6	10th	2.2	2.3	2.3	252	260	256	84	84	84		
March	930	43.9	43.5	43.7	39.7	49.4	27.1	23rd	58.2	31st	2.4	2.4	2.4	236	231	234	82	81	82		
April	700	49.4	47.5	48.5	43.8	53.5	36.1	17th	59.7	28th	3.0	2.3	2.7	281	274	278	80	83	82		
May	830	53.3	50.1	51.7	46.2	56.8	42.0	15th	61.3	8, 29	3.8	2.0	2.9	308	311	310	75	86	81		
June	867	62.0	57.4	59.7	53.3	65.3	48.8	3rd	75.6	6th	4.8	2.3	3.6	405	403	404	73	86	80		
July	935	64.5	60.1	62.3	56.9	68.3	51.6	2nd	74.0	30th	4.6	2.2	3.4	451	449	450	75	86	81		
August	882	66.4	62.7	64.6	59.2	69.8	54.9	28th	75.0	19th	4.2	2.7	3.5	498	478	488	77	84	81		
September	754	60.3	57.1	58.7	54.2	64.4	42.6	30th	71.2	7th	4.2	2.4	3.3	394	396	395	76	84	80		
October	855	54.3	53.4	53.9	50.3	57.8	41.0	14th	61.5	17th	2.2	2.0	2.1	360	353	357	85	87	86		
November	989	51.3	50.2	50.8	47.3	54.7	41.0	19th	59.1	4th	2.5	2.2	2.4	315	307	311	83	85	84		
December	29.640	44.8	44.5	44.7	41.0	48.2	31.9	15th	56.2	6th	2.2	2.2	2.2	248	244	246	84	83	84		
Year	29.805	53.4	51.5	52.5	48.0	57.2	—	—	—	—	3.2	2.3	2.8	333	329	331	79.8	84.2	82.0		

## WHITCHURCH.

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

1899.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
		9 a.m. 9 p.m. Mean.			Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.	
					ins.	ins.																		
January	-	7.2	6.8	7.0	9.31	2.10	20th	23	4	6	1	2	14	11	2	5	9	9	6	14	10	7	0	
February	-	6.3	6.3	6.3	5.82	.85	12th	13	3	3	3	4	11	10	2	2	12	16	10	7	2	4	1	
March	-	5.5	4.0	4.8	1.56	.43	8th	14	6	2	0	10	9	1	11	5	3	5	3	10	9	11	5	
April	-	7.7	6.0	6.8	5.20	1.00	20th	25	0	6	1	2	13	4	4	6	11	6	5	15	7	6	2	
May	-	6.3	5.5	5.9	3.38	1.28	16th	15	0	2	4	9	12	4	8	3	12	9	7	3	7	10	1	
June	-	4.8	4.6	4.7	1.88	.66	30th	8	0	0	3	7	7	1	8	3	12	9	7	3	7	10	1	
July	-	6.0	5.3	5.7	2.03	.49	22nd	13	0	0	2	4	9	1	9	1	4	3	6	9	6	21	3	
August	-	4.7	3.9	4.3	1.51	.50	27th	8	0	0	8	9	2	0	2	1	15	18	4	6	6	8	2	
September	-	6.9	5.2	6.0	2.58	.42	30th	21	0	1	4	4	10	0	9	0	2	5	4	5	15	20	0	
October	-	6.4	5.3	5.9	4.34	1.13	27th	14	0	0	0	5	11	2	4	4	15	18	4	9	3	5	0	
November	-	7.7	7.1	7.4	5.20	1.55	3rd	15	0	0	1	2	16	8	2	1	6	14	11	9	7	6	4	
December	-	7.9	6.1	7.0	4.98	1.57	28th	21	5	4	0	1	11	2	1	4	12	23	6	9	4	1	2	
Year	-	6.5	5.5	6.0	47.79	—	—	190	18	24	27	59	125	44	60	35	101	129	76	107	87	115	20	



## LONDONDERRY

Long. 7° 19' W. Lat. 55° 0' N. Height above Mean Sea Level, 67 feet. Gravity Correction, +0.027 in.

1899.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.						
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.			
January	ins.	—	—	—	34.6	44.0	25.0	28th	53.0	9th	—	—	—	in.	in.	in.	%	%	%	—	—	—
February	—	—	—	—	35.0	46.6	27.8	4th	53.0	11th	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	39.1	52.2	31.3	18th	62.7	24th	—	—	—	—	—	—	—	—	—	—	—	—
May	—	—	—	—	41.7	59.6	34.2	6th	74.8	31st	—	—	—	—	—	—	—	—	—	—	—	—
June	—	—	—	—	51.3	69.2	45.0	19th	81.0	14th	—	—	—	—	—	—	—	—	—	—	—	—
July	—	—	—	—	53.3	67.8	46.0	13th	82.4	31st	—	—	—	—	—	—	—	—	—	—	—	—
August	—	—	—	—	64.0	74.6	45.0	10th	86.3	1st	—	—	—	—	—	—	—	—	—	—	—	—
September	—	—	—	—	47.1	61.1	35.2	29th	74.4	7th	—	—	—	—	—	—	—	—	—	—	—	—
October	29.878	49.6	49.4	49.5	43.3	56.7	34.0	15th	66.0	19th	2.1	1.8	2.0	3.09	3.13	3.11	86.0	87.5	86.8	—	—	—
November	853	48.6	48.7	48.7	43.6	52.6	38.0	4th	60.4	4th	2.3	2.1	2.2	2.90	2.95	2.93	84.9	85.4	85.2	—	—	—
December	29.656	40.2	39.8	40.0	35.2	44.4	21.0	28th	56.0	6th	1.3	1.2	1.3	2.27	2.25	2.26	88.3	89.5	88.9	—	—	—
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## ARMAGH

Long. 6° 39' W. Lat. 54° 21' N. Height above Mean Sea Level, 196 feet. Gravity Correction, +0.025 in.

		ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</
--	--	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

## MARKREE CASTLE (SLIGO)

Long. 8° 27' W. Lat. 54° 11' N. Height above Mean Sea Level, 122 feet. Gravity Correction, +0.024 in.

		ins.													in.	in.	in.	%	%	%			
January	-	29°50'3	37°3	38°6	38°0	33°0	45°2	17°8	28th	52°5	8, 18	0°9	1°4	1°2	210	212	211	91°0	88°5	89°8			
February	-	527	41°4	40°7	41°1	34°9	47°7	17°3	3rd	51°8	24th	1°3	1°0	1°2	237	235	236	89°2	91°3	90°3			
March	-	855	44°6	42°1	43°4	35°4	51°1	16°6	23rd	63°3	17th	2°4	1°7	2°1	248	239	244	82°2	85°9	84°1			
April	-	601	47°9	44°4	46°2	39°3	52°8	27°5	16th	63°1	28th	2°8	1°5	2°2	272	263	268	81°2	88°6	84°9			
May	-	816	53°1	47°6	50°4	39°4	58°4	30°6	7th	68°3	31st	4°3	2°1	3°2	298	282	290	74°0	85°4	79°7			
June	-	906	60°7	55°4	58°1	49°6	66°4	40°3	19th	77°0	13th	4°0	2°1	3°1	411	383	397	77°0	86°8	81°9			
July	-	912	60°2	57°2	58°7	52°7	66°1	40°1	13th	78°5	31st	2°8	1°6	2°2	438	423	431	83°7	89°5	86°6			
August	-	876	65°5	59°3	62°4	52°2	71°7	39°6	10th	80°4	1st	4°4	1°9	3°2	478	448	463	76°1	88°5	82°3			
September	-	680	55°5	51°4	53°5	46°2	60°9	28°6	30th	71°9	4th	2°8	1°4	2°1	369	350	360	82°6	90°5	86°6			
October	-	812	49°4	46°1	47°8	39°9	57°4	28°6	21st	66°2	17th	2°2	1°3	1°8	307	291	299	85°0	90°8	87°9			
November	-	790	48°0	47°4	47°7	42°8	52°8	30°9	18th	60°8	4th	1°5	1°7	1°6	300	291	296	89°3	88°1	88°7			
December	-	29°592	39°1	39°2	39°2	34°3	44°7	19°4	27th	54°3	4, 6	1°0	1°2	1°1	225	222	224	91°3	90°2	90°8			
Year	-	29°739	50°2	47°5	48°9	41°6	56°3	—	—	—	—	2°5	1°6	2°1	316	303	310	83°6	88°7	86°2			

## LONDONDERRY.

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

1899.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
January	—	—	—	ins.	ins.	17th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	—	—	—	2.100	4.00	9th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	4.760	8.20	18th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May	—	—	—	3.410	6.20	13th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
June	—	—	—	1.990	6.40	27th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
July	—	—	—	2.300	3.20	18th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August	—	—	—	1.900	3.90	6th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
September	—	—	—	4.300	5.10	26th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
October	8.5	5.8	7.2	1.810	4.50	11th	14	0	2	0	2	14	0	1	2	4	5	7	21	14	4	4	—	—
November	9.3	8.4	8.9	3.120	4.00	2, 13	21	0	1	0	0	24	0	1	1	6	10	5	30	6	0	1	—	—
December	8.7	9.4	9.1	5.910	7.70	19th	25	4	0	0	0	25	0	0	3	7	14	8	18	3	4	5	—	—
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## ARMAGH.

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

January	7.6	6.4	7.0	ins.	ins.	18th	22	1	0	0	4	16	0	3	3</
---------	-----	-----	-----	------	------	------	----	---	---	---	---	----	---	---	-----



## GLASNEVIN (BOTANIC GARDENS) -

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

1899	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 29.636	40.7	41.8	41.3	35.3	47.6	24.0	27th	55.8	4th	0.9	0.6	0.8	in. 24.1	25.7	24.9	92.0	95.0	93.5
February	.677	43.0	41.6	42.3	35.7	49.0	22.8	27th	55.9	28th	1.3	0.8	1.1	25.4	25.1	25.3	89.6	93.1	91.4
March	.984	44.7	42.2	43.5	36.7	51.9	23.0	22, 24	61.2	17th	2.0	1.4	1.7	25.8	24.4	25.1	84.6	87.7	86.2
April	.715	48.4	45.4	46.9	39.6	54.6	30.2	18th	64.0	28th	2.3	1.3	1.8	28.9	28.0	28.5	84.0	90.2	87.1
May	.929	52.7	46.9	49.8	40.9	57.5	31.2	6th	68.8	30th	3.0	1.6	2.3	32.1	28.8	30.5	80.5	89.5	85.0
June	29.996	62.6	56.9	59.8	49.0	68.4	39.0	19th	75.9	11th	3.9	1.5	2.7	44.3	42.1	43.2	78.2	90.5	84.4
July	30.018	62.4	59.6	61.0	54.1	68.5	45.0	13th	75.3	29th	3.4	1.7	2.6	45.5	46.0	45.8	80.8	89.7	85.3
August	30.003	65.2	58.8	62.0	52.2	70.4	45.0	10, 16	76.5	24th	3.2	1.1	2.2	51.2	46.5	48.9	82.6	92.9	87.8
September	29.785	57.3	52.4	54.9	47.4	62.7	33.2	29th	74.5	4th	2.9	1.6	2.3	39.1	35.8	37.5	82.2	89.5	85.9
October	.960	50.8	46.3	48.6	39.3	58.0	29.0	6th	67.9	11th	1.6	1.2	1.4	33.4	29.3	31.4	88.6	91.6	90.1
November	.977	50.1	49.0	49.6	44.1	54.4	31.4	19th	64.8	4th	1.6	1.0	1.3	32.2	32.6	32.4	89.0	92.9	91.0
December	29.722	39.8	40.5	40.2	34.8	46.0	22.0	27th	56.8	6th	0.9	0.7	0.8	23.5	24.3	23.9	92.7	94.2	93.5
Year	29.867	51.5	48.5	50.0	42.4	57.4	—	—	—	—	2.3	1.2	1.8	33.8	32.4	33.1	85.4	91.4	88.4

## DUBLIN (PHENIX PARK)

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

	ins.																				
January	-	29°559	40°1	40°9	40°5	34°7	47°0	22°1	24th	54°7	4th	1°8	1°9	1°9	in. °219	in. °223	in. °221	% 85°7	% 85°0	% 85°4	
February	-	°591	42°1	40°6	41°4	34°5	48°5	21°3	27th	55°3	9th	2°1	1°8	2°0	°230	°221	°226	84°3	86°1	85°2	
March	-	°888	43°2	41°3	42°3	35°6	50°9	20°8	5th	62°2	17th	2°5	2°1	2°3	°232	°222	°227	80°9	82°7	81°8	
April	-	°636	47°5	44°8	46°2	39°1	53°3	28°9	14th	61°6	24th	3°3	2°1	2°7	°257	°255	°256	77°4	84°4	80°9	
May	-	°845	51°5	45°6	48°6	39°7	56°5	31°1	6th	68°2	31st	4°2	1°8	3°0	°281	°270	°276	74°4	87°6	81°0	
June	-	°915	61°1	55°1	58°1	47°6	67°5	37°6	19th	74°7	11th	4°6	1°8	3°2	°402	°386	°394	75°2	88°2	81°7	
July	-	°933	60°8	58°7	59°8	53°8	67°0	44°9	13th	73°1	29th	3°6	1°9	2°8	°424	°439	°432	79°6	88°4	84°0	
August	-	°900	63°8	57°3	60°6	51°0	69°4	41°9	10th	77°9	24th	3°8	1°2	2°5	°465	°434	°450	78°9	92°3	85°6	
September	-	°702	55°6	52°1	53°9	47°5	61°3	32°8	29th	71°0	3rd	3°3	1°8	2°6	°358	°349	°354	79°4	87°9	83°7	
October	-	°865	49°1	45°4	47°3	38°5	57°6	26°4	6th	66°0	19th	2°3	1°5	1°9	°299	°279	°289	84°1	89°6	86°9	
November	-	°889	49°1	48°2	48°7	43°6	53°9	31°0	18th	63°7	4th	2°6	2°4	2°5	°289	°283	°286	82°7	83°5	83°1	
December	-	29°643	39°2	39°8	39°5	34°0	45°6	20°4	18th	60°2	6th	1°4	1°3	1°4	°217	°222	°220	87°7	88°5	88°1	
Year		29°781	50°3	47°5	48°9	41°6	56°5	—	—	—	—	3°0	1°8	2°4	°306	°299	°303	80°9	87°0	84°0	

## DUBLIN (CITY)

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

	ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

## GLASNEVIN (BOTANIC GARDENS).

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

1899.														Wind, No. of Observations of									
Amount of Cloud.			Rainfall.			Weather, No. of Days 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	6.3	6.4	ins. 2.658	ins. 4.78	6th	23	4	0	0	2	12	0	0	1	0	13	1	20	3	8	16	
February	6.9	3.9	5.4	1.830	.480	20th	14	1	0	0	4	6	0	0	11	1	11	1	15	0	1	16	
March	5.3	3.7	4.5	1.030	.280	25th	12	3	0	0	5	4	0	2	8	1	5	2	25	2	9	8	
April	7.6	5.9	6.8	2.640	.320	25th	21	0	3	0	1	8	0	1	12	0	5	1	22	3	5	11	
May	6.3	4.5	5.4	2.490	.320	17th	14	0	1	1	7	8	0	1	9	1	12	0	7	0	4	28	
June	6.3	4.5	5.4	2.490	.880	20th	10	0	0	1	7	3	0	0	4	0	10	1	13	1	3	28	
July	5.7	3.8	4.8	2.030	.1350	11th	15	0	0	2	0	5	0	0	3	0	12	0	20	3	5	19	
August	7.6	6.9	7.3	3.190	2.080	5th	11	0	0	3	9	2	0	0	10	1	9	0	12	1	1	28	
September	5.4	2.3	3.9	3.600	1.370	30th	20	0	3	2	3	3	0	0	0	0	4	1	18	5	11	21	
October	6.4	3.7	5.1	3.580	1.290	11th	13	0	0	0	8	5	0	1	1	1	8	0	19	1	2	29	
November	5.1	3.2	4.2	1.540	.500	3rd	14	0	1	0	1	5	0	0	0	0	10	0	28	3	1	18	
December	7.3	4.0	5.7	1.990	1.360	28th	23	1	2	0	0	12	0	0	5	2	16	2	2	2	19	14	
Year	7.9	6.5	7.2	3.930	1.360	—	190	9	10	9	47	73	0	5	64	7	115	9	201	24	69	236	



## PARSONSTOWN (BIRR CASTLE)

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

1899.	Mean Pressure at 32° Fahr.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
		9 a.m.	9 p.m.	Mean.	Min. Max.		Min. Day.		Max. Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.519	38.7	39.8	39.3	34.1	46.4	23.8	28th	53.9	18th	0.9	1.0	1.0	in. 22.3	in. 23.0	in. 22.7	92.2	91.5	91.9		
February	519	41.2	41.4	41.3	36.5	48.3	21.0	3rd	55.2	28th	1.0	1.0	1.0	24.3	24.4	24.4	92.1	92.3	92.2		
March	875	42.7	42.1	42.4	34.7	50.9	17.7	23rd	64.8	17th	1.5	1.1	1.3	24.7	25.2	25.0	88.1	90.7	89.4		
April	620	48.0	45.3	46.7	39.5	53.4	27.9	16th	62.5	28th	3.0	1.9	2.5	26.8	26.4	26.6	79.0	85.9	82.5		
May	802	53.0	49.1	51.1	40.8	58.6	30.8	6th	68.5	31st	4.7	2.8	3.8	28.9	28.4	28.7	72.3	80.9	76.6		
June	885	61.0	58.3	59.7	49.6	68.7	38.8	19th	81.0	6th	4.6	3.4	4.0	39.9	39.0	39.5	74.5	79.8	77.2		
July	910	61.2	59.5	60.4	53.4	67.5	46.6	4th	79.6	31st	3.4	2.4	2.9	43.5	43.8	43.7	80.1	85.6	82.9		
August	865	64.8	61.1	63.0	53.7	71.9	42.8	10th	82.6	1st	4.1	2.5	3.3	47.4	46.2	46.8	77.4	85.3	81.4		
September	701	56.0	52.4	54.2	46.6	61.2	23.1	30th	70.5	3rd	3.0	2.0	2.5	37.0	35.1	36.1	81.1	87.2	84.2		
October	821	48.8	47.2	48.0	40.8	57.1	26.7	6th	65.6	18th	1.8	1.2	1.5	30.9	30.4	30.7	87.2	91.4	89.3		
November	839	47.9	47.3	47.6	42.9	52.8	29.6	19th	61.7	4th	1.7	1.9	1.8	29.5	28.5	29.0	88.3	86.7	87.5		
December	29.589	38.8	39.5	39.2	33.8	44.7	20.8	27th	55.0	6th	1.1	1.1	1.1	22.1	22.4	22.3	90.7	90.0	90.4		
Year	29.745	50.2	48.6	49.4	42.2	56.8	—	—	—	—	2.6	1.9	2.3	31.4	31.1	31.3	83.6	87.3	85.5		

## VALENCIA

Long. 10° 15' W. Lat. 51° 56' N. Height above Mean Sea Level, 30 feet. Gravity Correction, +.019 in.

1899.	ins.	Air Temperature.										Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Tension of Vapour.			Percentage.				
1899.	ins.	9 a.m.	9 p.m.	Mean.	Min. Max.		Min. Day.		Max. Day.		9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	29.668	43.8	43.6	43.7	39.0	47.8	27.0	29th	53.2	15th	2.0	2.1	2.1	in. 24.8	in. 24.4	in. 24.6	84.7	84.4	84.6		
February	29.605	45.3	45.5	45.4	42.1	49.4	34.0	2nd	53.0	9th	1.9	1.8	1.9	26.2	26.6	26.4	86.3	86.3	86.3		
March	30.037	44.7	45.8	45.3	40.7	50.7	26.3	24th	62.9	16th	2.0	2.2	2.1	25.9	26.5	26.2	85.2	84.5	84.9		
April	29.804	48.4	47.7	48.1	43.6	52.5	32.6	18th	58.7	30th	1.9	2.0	2.0	29.9	28.7	29.3	86.6	85.5	86.1		
May	29.944	54.1	51.3	52.7	45.8	58.8	36.8	7th	67.6	31st	4.3	2.9	3.6	31.0	30.7	30.9	74.4	81.0	77.7		
June	30.045	61.4	58.3	59.9	52.8	65.9	43.0	19th	77.4	8th	4.3	2.9	3.6	41.4	40.5	41.0	75.9	83.0	79.5		
July	30.084	61.1	59.4	60.3	55.3	66.1	50.0	12, 13	75.7	31st	2.7	2.4	2.6	45.8	43.6	44.7	84.3	85.4	84.9		
August	29.990	65.3	63.0	64.2	56.8	71.2	49.9	16th	79.4	2nd	4.0	3.0	3.5	48.7	47.6	48.2	78.4	82.9	80.7		
September	909	57.4	56.8	57.1	52.9	61.4	36.3	30th	68.7	4th	2.7	3.0	2.9	40.0	38.3	39.2	83.2	81.6	82.4		
October	964	51.3	51.8	51.6	46.4	56.8	33.0	6th	62.1	18th	1.8	2.1	2.0	33.9	33.7	33.8	88.4	86.2	87.3		
November	996	50.5	50.8	50.7	47.6	54.1	42.3	22nd	58.6	4th	1.9	2.0	2.0	32.3	32.4	32.4	87.7	86.9	87.3		
December	29.709	44.9	45.5	45.2	41.4	49.0	28.7	27th	55.8	5th	1.7	1.7	1.7	26.6	27.1	26.9	87.6	87.7	87.7		
Year	29.896	52.4	51.6	52.0	47.0	57.0	—	—	—	—	2.6	2.3	2.5	33.9	33.3	33.6	83.6	84.6	84.1		

## PARSONSTOWN (BIRR CASTLE).

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

Heights above ground:—Barometer, — 2 1899.																								
1899.	Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	9 a.m.	9 p.m.	Mean.	Total.	Max.	Day.	Rain.	Snow.	Hail.	Thunder Storm.	Clear Sky.	Overcast.	Gale.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.		
				ins.	ins.																			
January	-	-	7.5	7.8	7.7	3.457	3.398	11th	23	3	3	2	1	18	0	1	0	4	11	6	8	5	1	26
February	-	-	7.6	6.5	7.1	2.283	.427	8th	15	0	1	1	1	12	0	4	0	1	33	9	2	2	0	5
March	-	-	6.4	5.6	6.0	1.269	.329	28th	13	3	0	0	7	12	1	5	3	1	4	6	20	9	11	3
April	-	-	8.2	8.1	8.2	2.968	.478	6th	23	0	1	0	0	17	0	0	3	0	6	12	17	9	12	1
May	-	-	6.4	5.7	6.1	3.359	1.170	17th	15	0	0	0	6	14	0	2	3	8	19	8	10	5	7	0
June	-	-	7.2	6.4	6.8	1.852	.686	20th	9	0	0	2	2	11	0	6	4	3	10	3	16	4	14	0
July	-	-	8.9	8.6	8.8	3.423	.669	19th	16	0	0	1	0	24	0	3	0	0	11	4	27	5	12	0
August	-	-	5.5	4.2	4.9	4.398	1.664	7th	11	0	0	3	6	5	0	3	4	3	27	3	12	4	2	4
September	-	-	7.9	6.0	7.0	2.350	.560	21st	22	0	0	0	2	12	0	1	0	1	11	2	17	9	16	3
October	-	-	6.0	4.9	5.5	1.590	.386	30th	14	0	0	0	8	12	0	2	1	1	28	5	10	2	10	3
November	-	-	8.9	7.0	8.0	2.822	.580	2nd	16	0	0	0	1	17	0	1	0	1	19	14	17	5	3	0
December	-	-	8.9	6.6	7.8	3.896	.658	28th	24	3	0	0	0	19	0	1	4	4	28	12	4	2	7	0
Year	-	-	7.5	6.5	7.0	33.667	—	—	201	9	5	9	34	173	1	29	22	27	207	84	160	61	95	45

## VALENCIA.

Heights above Ground:—Barometer, 15 feet. Thermometers, 4 feet. Rain-gauge, 2 feet.

Heights above Ground.																							
				ins.	ins.	5th	21	0	6	1	1	13	13	1	3	10	9	14	11	7	4	3	
January	-	7.7	6.6	7.2	7.395	.800	10th	18	0	3	0	0	17	5	0	1	11	16	19	2	2	1	4
February	-	7.7	7.9	7.8	6.360	.910	8th	18	0	3	0	3	14	2	4	6	6	4	10	16	4	1	11
March	-	6.2	7.2	6.7	3.315	.665	20th	26	0	3	1	0	12	5	5	5	1	1	18	11	12	3	4
April	-	7.7	7.3	7.5	5.720	1.575	17th	14	0	2	1	3	11	1	9	1	6	12	10	7	4	4	9
May	-	6.2	6.6	6.4	2.975	1.465	27th	11	0	0	1	3	15	3	7	4	2	1	3	6	6	11	20
June	-	6.0	7.6	6.8	2.535	1.075	9th	20	0	0	2	0	16	1	7	3	2	3	15	6	8	11	7
July	-	8.5	7.5	8.0	2.595	.580	24th	13	0	0	3	7	5	0	1	2	10	6	11	3	10	1	18
August	-	5.3	4.8	5.1	5.345	2.320	1st	24	0	2	0	0	13	3	6	4	1	2	6	9	18	10	4
September	-	7.4	7.1	7.3	3.125	.680	28th	17	0	1	1	5	14	0	3	6	8	10	7	6	4	2	16
October	-	6.5	6.1	6.3	3.060	.520	2nd	16	0	1	0	2	16	9	2	0	6	3	25	14	4	0	6
November	-	7.5	7.6	7.6	5.110	1.630	16th	27	2	1	0	0	21	9	8	12	9	9	8	3	4	6	3
December	-	8.7	8.2	8.5	11.540	1.920																	
Year	-	7.1	7.0	7.1	59.075	—		225	2	22	10	24	167	51	53	47	72	76	146	94	83	54	105



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

Stations.					Air Temperature.										Humidity.								
Name.	Height above Mean Sea Level.	Long.	Lat.	Mean Pressure at 32° Fahrenheit.	Means of					Absolute Min. and Max.					Depression of Wet Bulb.			Tension of Vapour.			Percentage.		
					9 a.m.	9 p.m.	Mean.	Min. Max.		Min.	Date.	Max.	Date.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	
Deerness	160	2 45 W.	58 56 N.	29° 63'	46.6	45.2	45.9	41.7	49.8	22.8	Mar. 22nd	69.6	Aug. 21st	2.2	1.7	2.0	2.77	2.72	2.75	84.1	86.8	85.5	
Lairg	387	2 24 W.	58 2 N.	29° 40'	46.9	43.2	45.1	37.8	53.9	8.6	Mar. 22nd	84.0	June 15th	2.6	1.6	2.1	2.73	2.55	2.64	82.0	87.8	84.9	
Dunrobin Castle	12	3 56 W.	57 59 N.	29° 83'	48.7	45.8	47.3	39.8	53.8	19.5	Mar. 24th	82.5	June 15th	3.9	2.8	3.4	2.64	2.54	2.59	74.4	79.7	77.1	
Gordon Castle	101	3 5 W.	57 37 N.	29° 73'	46.9	45.1	46.0	39.7	52.6	19.1	Dec. 26th	80.7	June 15th	2.7	1.8	2.3	2.74	2.72	2.73	81.8	86.8	84.3	
Strathpeffer Spa	253	4 28 W.	57 37 N.	29° 55'	46.9	45.1	46.0	39.7	52.6	19.1	Dec. 26th	80.4	Aug. 25th	2.4	2.0	2.2	2.68	2.61	2.65	82.9	85.0	84.0	
Glencarron	489	5 14 W.	57 30 N.	29° 32'	46.2	44.8	45.5	39.7	51.8	17.0	Mar. 23rd	79.6	Aug. 1st	3.2	2.7	3.0	2.60	2.60	2.60	77.8	80.8	79.3	
Aberdeen	46	2 6 W.	57 10 N.	29° 77'	47.2	46.1	46.7	41.5	51.8	18.0	Jan. 27th	83.3	Aug. 1st	2.4	2.4	2.4	2.72	2.73	2.73	83.3	83.5	83.4	
Fort Augustus	68	4 40 W.	57 8 N.	29° 79'	46.5	46.6	46.5	40.2	53.7	15.6	Dec. 28th	79.7	Aug. 23rd	2.9	2.3	2.6	2.42	2.46	2.44	79.3	82.6	81.0	
Braemar	1,111	3 24 W.	57 0 N.	28° 66'	44.0	43.4	43.7	36.1	50.9	3.0	Mar. 24th	80.3	Aug. 24th	2.6	2.8	2.7	2.74	2.73	2.74	82.0	80.9	81.5	
Fort William	31	5 7 W.	56 49 N.	29° 83'	47.1	47.4	47.3	42.3	53.4	17.4	Dec. 28th	63.5	Aug. 23rd	1.0	0.9	1.0	1.70	1.71	1.71	87.8	87.7	87.8	
Ben Nevis	4,405	5 0 W.	56 48 N.	25° 29'	32.7	32.6	32.7	29.2	36.9	6.9	Mar. 23rd	79.4	Aug. 22nd	2.9	2.0	2.5	2.49	2.47	2.48	78.8	84.9	81.9	
Lednathie	719	3 7 W.	56 45 N.	29° 09'	45.2	43.5	44.4	36.4	52.2	7.2	Mar. 24th	81.7	Aug. 22nd	2.4	1.7	2.1	2.97	2.96	2.97	82.4	84.9	83.7	
Laudale	14	5 41 W.	56 41 N.	29° 84'	48.8	47.9	48.4	42.6	54.3	18.0	Dec. 28th	80.3	Aug. 23rd	2.6	2.1	2.4	2.97	2.96	2.97	82.4	84.9	83.7	
Dundee	160	2 56 W.	56 28 N.	29° 71'	47.6	45.7	46.7	40.5	53.6	15.2	Dec. 15th	81.0	Aug. 24th	2.7	1.9	2.3	2.72	2.61	2.67	81.5	85.6	83.6	
Ochertyre	329	3 53 W.	56 23 N.	29° 54'	47.4	44.7	46.1	39.3	55.4	12.0	Dec. 15th	85.0	June 12th	3.1	2.0	2.6	2.69	2.61	2.65	78.8	84.5	81.7	
Poltalloch	132	5 30 W.	56 8 N.	29° 74'	48.4	46.9	47.6	43.0	54.7	21.4	Mar. 23rd	80.3	Aug. 15th	2.2	1.7	2.0	2.98	2.91	2.95	85.3	88.1	86.7	
Edinburgh	253	3 12 W.	55 57 N.	29° 59'	48.0	47.0	47.5	42.0	53.9	18.3	Dec. 15th	82.7	Aug. 24th	2.9	2.4	2.7	2.81	2.78	2.80	80.0	82.3	81.2	
Glasgow	180	4 18 W.	55 53 N.	29° 09'	47.2	47.0	47.1	43.5	53.3	18.0	Dec. 28th	80.1	Aug. 24th	2.6	2.3	2.5	2.78	2.82	2.80	82.0	83.5	82.8	
Rosewell	690	3 7 W.	55 51 N.	29° 15'	47.1	44.5	45.8	39.7	53.1	18.0	Dec. 13th	83.0	Aug. 24th	2.7	1.9	2.3	2.72	2.61	2.67	81.5	85.6	83.6	
Rothsay	115	5 4 W.	55 50 N.	29° 77'	48.3	46.2	47.3	42.1	54.8	22.0	Dec. 28th	80.3	Aug. 23rd	2.2	1.7	2.0	2.97	2.83	2.90	84.8	87.4	86.1	
Marchmont	498	2 25 W.	55 44 N.	29° 35'	46.9	45.6	46.3	39.7	53.4	16.0	Dec. 14th	81.0	Aug. 1st	2.8	2.1	2.5	2.97	2.68	2.69	80.9	85.1	83.0	
Ladylaw	447	2 47 W.	55 28 N.	29° 41'	47.4	45.2	46.3	37.6	54.9	9.4	Dec. 15th	83.2	Aug. 2nd	2.1	1.8	2.0	2.98	2.74	2.86	84.1	85.4	84.8	
Wolfelee	587	2 39 W.	55 23 N.	29° 25'	45.8	43.8	44.8	37.6	54.0	11.0	Mar. 24th	79.0	Aug. 23rd	2.5	1.3	1.9	2.84	2.79	2.82	82.7	89.1	85.9	
Cockle Park (Morpeth)	324	1 41 W.	55 13 N.	29° 56'	47.3	44.7	46.0	39.3	53.6	17.0	Mar. 21st	79.0	June 6th	2.5	1.3	1.9	2.84	2.79	2.82	82.7	89.1	85.9	
Pinnore	187	4 49 W.	55 12 N.	29° 70'	48.4	45.9	47.2	39.8	55.7	13.0	Dec. 28th	81.8	Aug. 1st	2.0	1.1	1.6	3.06	2.93	3.00	86.8	91.6	89.2	
Glenlee	203	4 12 W.	55 5 N.	29° 70'	47.9	45.9	46.9	40.1	54.9	0.9	Dec. 14th	81.0	June 16th	2.6	1.8	2.2	2.86	2.77	2.82	82.8	86.7	84.8	
Cargen	72	3 37 W.	55 2 N.	29° 83'	48.3	48.1	48.2	40.8	55.7	12.0	Dec. 15th	83.0	Aug. 2nd	2.3	2.0	2.2	2.97	2.90	2.94	84.6	86.3	85.5	
Seaham	139	1 19 W.	54 50 N.	29° 76'	49.9	47.1	48.5	44.1	54.6	19.5	Dec. 13th	81.2	June 6th	3.2	2.0	2.6	2.97	2.91	2.94	79.7	86.0	82.9	
Durham	336	1 35 W.	54 46 N.	29° 53'	48.5	46.0	47.3	39.8	55.2	16.0	Dec. 13th	86.6	Aug. 1st	2.2	1.2	1.7	3.07	2.99	3.03	85.4	91.2	88.3	
Rounton, Yorks	242	1 18 W.	54 24 N.	29° 66'	48.3	45.7	47.0	39.6	54.9	12.3	Dec. 15th	84.8	Aug. 25th	2.9	1.8	2.3	2.81	2.76	2.78	80.8	86.6	83.7	
Aysgarth	646	1 58 W.	54 18 N.	29° 21'	47.6	45.3	46.5	39.3	53.8	16.0	Dec. 28th	84.0	Aug. 2nd	3.2	2.2	2.7	2.72	2.65	2.69	78.1	82.7	80.4	
Scarborough	219	0 24 W.	54 18 N.	29° 77' 51.1	48.3	49.7	49.0	43.2	55.3	22.0	Mar. 24th	77.5	Aug. 13th	2.4	1.6	2.0	3.28	3.11	3.20	84.2	88.6	86.4	
Cronkbourne	137	4 29 W.	54 10 N.	29° 77' 51.1	48.3	49.7	49.0	43.2	55.3	22.0	Mar. 24th	77.5	Aug. 13th	2.4	1.6	2.0	3.28	3.11	3.20	84.2	88.6	86.4	
Heysham	95	2 54 W.	54 3 N.	29° 89' 49.3	48.0	48.7	48.3	36.4	56.4	14.0	Dec. 16th	86.0	Aug. 1, 25	3.3	2.4	2.9	2.88	2.92	2.90	79.4	83.6	81.5	
York (Museum)	56	1 5 W.	53 57 N.	29° 56' 48.5	47.3	47.9	47.6	42.2	54.2	14.3	Dec. 28th	81.8	Aug. 2nd	3.0	2.5	2.8	2.86	2.82	2.84	80.0	82.3	81.2	
Stonyhurst	375	2 28 W.	53 51 N.	29° 53' 49.1	48.3	48.7	48.5	36.0	56.0	13.2	Dec. 15th	86.0	Aug. 25th	3.2	2.6	2.9	2.82	2.80	2.86	78.8	82.3	80.5	
Wakefield	96	1 30 W.	53 41 N.	29° 59' 48.5	47.7	48.1	47.9	41.6	55.9	15.0	Dec. 28th	86.5	Aug. 25th	2.5	2.0	2.3	3.03	2.99	3.01	83.7	85.9	84.8	
Prestwich	380	2 17 W.	53 32 N.	29° 75' 49.4	49.4	50.6	49.9	44.7	56.5	21.0	Dec. 28th	87.3	Aug. 25th	3.2	2.3	2.8	2.90	2.91	2.90	79.4	83.6	81.5	
Manchester	190	2 13 W.	53 29 N.	29° 73' 49.4	49.0	49.2	49.1	43.5	54.8	20.4	Dec. 14th	84.4	Aug. 24th	3.0	2.6	2.8	2.95	2.96	2.97	80.0	82.4	81.2	
Bidston (Liverpool)	188	3 4 W.	53 24 N.	29° 47' 49.4	48.5	49.0	48.7	42.8	55.7	20.2	Dec. 14th	85.9	Aug. 25th	2.9	2.2	2.6	2.97	2.92	2.94	80.1	84.4	82.8	
Tealby	251	0 16 W.	53 24 N.	29° 83' 51.7	50.2	51.0	50.6	45.6	56.6	24.5	Dec. 11, 15	86.0	Aug. 24th	3.7	3.0	3.3	3.02	2.99	3.00	76.3	79.5	77.9	
Sheffield	429	1 29 W.	53 23 N.	28° 88' 47.5	45.0	46.2	45.6	38.8	54.2	10.4	Dec. 14th	83.3	Aug. 25th	2.9	1.8	2.3	2.72	2.69	2.70	80.4	86.6	83.5	
Llandudno	72	3 50 W.	53 21 N.	29° 28' 46.9	47.0	47.0	47.0	41.3	55.0	17.4	Dec. 16th	85.8	Aug. 25th	2.3	2.0	2.2	2.80	2.84	2.82	84.2	85.2	84.7	
Buxton	287	1 54 W.	53 14 N.	29° 67' 48.7	46.7	47.7	47.2	41.9	55.3	17.4	Dec. 15th	85.1	Aug. 25th	2.4	1.6	2.0	3.04	2.96	3.00	84.9	88.7	86.8	
Chester	59	2 54 W.	53 12 N.	29° 47' 49.4	48.5	49.0	48.7	42.8	55.7	20.2	Dec. 14th	85.9	Aug. 25th	2.9	2.2	2.6	2.97	2.92	2.94	80.1	84.4	82.8	
Cheadle	646	1 57 W.	52 58 N.	29° 83' 51.7	50.2	51.0	50.6	45.6	56.6	24.5	Dec. 11, 15	86.0	Aug. 24th	3.7	3.0	3.3	3.02	2.99	3.00	76.3	79.5	77.9	
Belvoir Castle	259	0 47 W.	52 54 N.	28° 88' 47.5	45.0	46.2	45.6	38.8	54.2	10.4	Dec. 14th	83.3	Aug. 25th	2.9	1.8	2.3	2.72	2.69	2.70	80.4	86.6	83.5	
Hillington	88	0 33 E.	52 48 N.	29° 28' 46.9	47.0	47.0	47.0	41.3	55.0	17.4	Dec. 16th	85.8	Aug. 25th	2.3	2.0	2.2	2.80	2.84					



## ANNUAL SUMMARY.

Station.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Year.		Station.
	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	Hours.	%	
Deerness	37	17	77	30	104	29	164	38	208	40	178	33	150	28	111	24	115	30	78	25	15	7	15	8	1252	28	Deerness.
Strathpeffer Spa	48	22	84	33	90	25	117	27	168	33	171	32	106	20	195	42	92	24	99	32	27	12	27	14	1224	28	Strathpeffer Spa.
Aberdeen	55	24	74	28	130	36	160	36	180	36	227	43	164	31	169	37	125	33	127	41	52	22	13	7	1476	33	Aberdeen.
Fort Augustus	31	14	67	26	69	19	107	25	149	29	147	28	87	17	217	47	83	22	73	23	13	5	18	9	1061	24	Fort Augustus.
Braemar*	40	18	85	33	129	36	131	31	153	30	200	38	119	23	215	46	95	25	98	31	19	8	14	7	1298	29	Braemar.*
Fort William	26	12	71	27	83	23	112	26	197	39	168	32	89	17	231	50	73	19	69	22	12	5	8	4	1139	26	Fort William.
Ben Nevis	33	15	79	30	52	14	56	13	164	33	153	29	60	12	212	46	12	3	52	17	12	5	12	6	898	20	Ben Nevis.
Dundee	41	18	70	27	110	30	96	23	133	27	192	37	131	25	183	40	113	30	90	29	42	18	22	11	1223	28	Dundee.
Edinburgh	27	12	61	23	97	27	111	26	166	33	157	30	118	23	165	36	104	28	85	27	46	19	14	7	1151	26	Edinburgh.
Glasgow	18	8	36	14	91	25	95	23	143	29	159	31	125	24	143	31	110	29	72	23	18	7	9	4	1019	23	Glasgow.
Marchmont	41	18	90	34	116	32	127	30	168	34	228	44	151	29	192	42	125	33	102	32	53	22	25	12	1418	32	Marchmont.
Cockle Park (nr. Morpeth).	53	22	92	35	121	33	121	29	186	38	214	42	161	31	190	42	149	40	119	37	70	28	24	11	1500	34	Cockle Park (nr. Morpeth).
Durham	49	21	88	33	121	33	115	27	175	35	210	41	153	30	163	36	140	37	122	38	67	27	40	19	1443	33	Durham.
Scarborough	42	17	92	35	147	40	127	30	181	37	206	41	178	35	208	46	149	40	130	40	—	—	—	—	—	—	Scarborough.
Cronkbourne	50	21	91	34	154	42	157	38	222	45	266	53	178	35	236	52	140	38	118	37	43	17	41	18	1696	38	Cronkbourne.
York	19	8	75	28	120	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	York.
Stonyhurst	28	11	78	29	130	36	116	28	179	37	270	53	184	36	236	52	126	34	136	42	38	15	19	8	1540	35	Stonyhurst.
Manchester (City)*	20	8	64	24	95	26	94	23	146	30	231	46	172	34	197	44	106	28	103	32	24	10	8	3	1289	29	Prestwich.
Bidston (Hoylake)†	44	18	90	33	127	35	103	25	172	35	247	49	169	34	220	49	129	34	129	40	55	22	36	16	1521	35	Manchester (City).*
Sheffield	38	15	62	23	111	31	101	24	153	31	203	41	186	37	173	38	126	34	106	33	44	17	24	11	1327	30	Bidston (Hoylake).†
Llandudno	69	28	101	38	168	46	145	35	221	46	270	54	172	34	252	56	124	33	132	47	58	23	50	22	1782	40	Sheffield.
Buxton*	41	17	85	31	124	34	82	20	160	33	252	51	148	30	197	44	101	27	130	40	29	11	11	5	1360	31	Llandudno.
Cheshire	48	20	88	33	178	49	135	33	189	39	254	51	208	42	222	49	143	38	—	—	—	—	—	—	—	—	Buxton.*
Belvoir Castle*	68	28	118	44	176	48	110	27	188	39	225	45	211	42	256	57	152	41	137	43	67	26	44	19	1752	40	Cheshire.
Hillington	72	29	106	39	151	41	101	24	211	43	235	47	232	46	275	61	160	43	135	42	55	22	46	20	1779	40	Belvoir Castle.*
Churchstoke	60	24	95	35	170	47	129	31	203	42	272	54	227	45	239	53	154	41	137	43	53	21	38	17	1777	40	Hillington.
Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lowestoft.
Birmingham (Edgbaston)	43	17	74	27	117	32	100	24	147	30	205	42	190	38	227	51	139	37	108	33	36	14	22	9	1408	32	Birmingham (Edgbaston).
Geddeson	83	33	115	42	155	42	113	27	219	45	254	51	221	45	249	56	171	46	141	43	63	24	41	18	1806	41	Geddeson.
Cambridge	70	28	112	41	164	45	112	27	223	46	230	47	236	48	258	58	172	46	129	40	59	23	41	18	1720	39	Cambridge.
Hollesley Bay	92	37	110	40	160	44	133	32	230	48	262	53	252	52	269	60	198	53	157	49	59	23	64	27	1989	45	Hollesley Bay.
Woburn (Aspley Guise)†	67	27	99	36	149	41	114	28	211	44	227	46	233	47	245	55	164	44	129	40	53	21	38	16	1720	39	Woburn (Aspley Guise).†
Bennington*	87	35	130	48	186	51	130	32	213	44	263	53	274	55	279	63	184	49	154	48	55	21	46	20	2001	45	Bennington.*
Cheltenham*	61	24	114	42	200	55	140	34	199	41	288	58	247	50	284	64	168	45	123	38	56	22	37	16	1917	44	Cheltenham.*
St. David's (St. Ann's Head)**	53	21	97	35	147	40	137	33	239	50	287	58	212	43	284	64	146	39	147	45	44	17	29	12	1822	41	St. David's (St. Ann's Head).**
Berkhamsted	69	27	93	34	154	42	113	27	192	40	230	47	249	50	247	55	164	44	129	40	46	18	34	15	1720	39	Berkhamsted.
Kew	71	28	81	29	119	33	131	32	219	45	254	51	221	45	249	56	171	46	141	43	63	24	41	18	1806	41	Kew.
Norwood (Wallington)*	70	27	118	43	141	39	137	33	206	43	256	52	278	57	276	62	176	47	122	37	55	21	38	16	1873	43	Norwood (Wallington).*
Rede Court (Rochester)	65	25	123	45	173	48	132	32	212	44	244	50	264	54	259	58	188	50	142	44	55	21	38	16	1911	43	Rede Court (Rochester).
Woolacombe	60	23	105	38	169	47	136	33	224	47	311	64	221	45	307	69	154	41	150	46	70	27	63	26	2003	45	Woolacombe.
Southampton	76	30	115	42	183	50	154	37	251	53	281	58	281	57	295	66	192	51	168	52	66	25	69	29	2131	48	Southampton.
St. Leonards	74	29	116	42	188	52	154	38	248	52	285	58	291	59	288	65	186	50	162	50	68	26	58	24	2118	48	St. Leonards.
Eastbourne	60	23	92	33	158	43	122	30	201	42	270	55	257	52	266	60	173	46	147	45	83	32	38	16	1867	42	Eastbourne.
Parkstone	78	30	104	38	196	54	122	30	190	40	268	55	264	54	295	66	186	50	157	48	71	27	56	23	1987	45	Parkstone.
Rousdon	51	19	96	35	176	48	132	32	194	41	291	60	275	57	312	71	169	45	139	43	56	21	42	17	1933	44	Rousdon.
Plymouth	45	17	109	39	175	48	153	37	222	47	291	60	295	61	297	67	183	49	141	43	75	28	43	18	2029	46	Plymouth.
Falmouth	55	23	81	30	136	37	117	28	197	40	204	40	101	20	235	52	117	31	129	40	45	18	31	14	1448	33	Falmouth.
Armagh	47	19	70	26	140	38	113	27	214	44	186	37	103	20	207	46	99	27	123	38	43	17	23	10	1368	31	Armagh.
Markree Castle	66	27	84	31	161	44	157	38	227	47	249	50	139	28	252	56	127	34	149	46	76	30	44	19	1731	39	Markree Castle.
Dublin (Phoenix Park)	56	23	75	28	126	35	128	31	213	44	190	38	112	22	236	53	118	32	138	43	60	23	37	16	1489	34	Dublin (Phoenix Park).
Parsonstown	47	19	80	29	153	42	137	33	246	51	214	43	144	29	270	61	109	29	132	41	61	24	27	12	1620	37	Parsonstown.
Valencia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Valencia.

\* At Braemar, Belvoir Castle, Bennington, Buxton, Cheltenham, Manchester (City), and Norwood (Wallington), Jordan's Photographic Recorders were used.

or some other form of Burning Recorder, was employed.

† The values for Bidston are those obtained from the Sunshine Recorder at Hoylake.

‡ The values for Woburn, are those obtained from the Sunshine Recorder at Aspley Guise.

§ The values for St. David's, are those obtained from the Sunshine Recorder at St. Ann's Head.

|| The values for Woburn, are those obtained from the Sunshine Recorder at St. Ann's Head.