

## KEY MAP.

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

Different type is employed to indicate the  
information given for the several Stations.  
SOUTHAMPTON — Daily observations (Form A), and  
Monthly Summaries (Form B).  
Eastbourne — Monthly Summaries (Form B) only.



M.O. No. 188.

OFFICIAL COPY.

## METEOROLOGICAL OBSERVATIONS

AT

## STATIONS OF THE SECOND ORDER

For the Year 1903.

With Frontispiece Map.

Published by Authority of the Meteorological Committee.



EDINBURGH:

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

And to be purchased, either directly or through any Bookseller, from  
WYMAN & SONS, LIMITED, FETTER LANE, E.C.; or  
OLIVER & BOYD, EDINBURGH; or  
E. PONSONBY, 116 GRAFTON STREET, DUBLIN.

1908.

Price Twenty-Two Shillings and Sixpence.



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

Station.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR.
Aberdeen	—	—	—	—	—	—	—	—	—	—	—	—	124
Armagh	9	19	29	39	49	59	68	78	87	97	106	116	162
Aysgarth (Yorkshire)	—	—	—	—	—	—	—	—	—	—	—	—	136
Belvoir Castle	—	—	—	—	—	—	—	—	—	—	—	—	146
Ben Nevis	—	—	—	—	—	—	—	—	—	—	—	—	126
Bennington	—	—	—	—	—	—	—	—	—	—	—	—	152
Berkhamsted	—	—	—	—	—	—	—	—	—	—	—	—	154
Bidston (Liverpool)	—	—	—	—	—	—	—	—	—	—	—	—	142
Birmingham (Edgbaston)	—	—	—	—	—	—	—	—	—	—	—	—	150
Birr Castle	10	20	30	40	50	60	70	79	89	98	108	117	166
Braemar	2	12	22	32	42	52	62	71	81	90	100	109	124
Bramley	—	—	—	—	—	—	—	—	—	—	—	—	156
Buxton	—	—	—	—	—	—	—	—	—	—	—	—	144
Cally	—	—	—	—	—	—	—	—	—	—	—	—	134
Cambridge	7	17	27	37	47	57	66	76	85	95	104	114	150
Cargen	—	—	—	—	—	—	—	—	—	—	—	—	134
Cheadle	—	—	—	—	—	—	—	—	—	—	—	—	146
Cheltenham	—	—	—	—	—	—	—	—	—	—	—	—	152
Churchstoke	6	16	26	36	46	56	—	—	—	—	—	—	148
Cockle Park (Morpeth)	4	14	24	34	44	54	64	73	83	92	102	111	132
Cronkbourne (Isle of Man)	5	15	25	35	45	55	65	74	84	93	103	112	138
Deerness (Orkney)	1	11	21	31	41	51	61	70	80	89	99	108	120
Dublin (Glasnevin Gardens)	—	—	—	—	—	—	—	—	—	—	—	—	164
" (City)	—	—	—	—	—	—	—	—	—	—	—	—	166
" (Phoenix Park)	10	20	30	40	50	60	69	79	88	98	107	117	164
Dundee	3	13	23	33	43	53	63	72	82	91	101	110	128
Dunrobin Castle	1	11	21	31	41	51	61	71	80	90	99	109	120
Durham	—	—	—	—	—	—	—	—	—	—	—	—	136
Eastbourne	—	—	—	—	—	—	—	—	—	—	—	—	158
Edgbaston (Birmingham)	—	—	—	—	—	—	—	—	—	—	—	—	150
Falmouth	—	—	—	—	—	—	—	—	—	—	—	—	162
Fort Augustus	—	—	—	—	—	—	—	—	—	—	—	—	124
Fort William	—	—	—	—	—	—	—	—	—	—	—	—	126
Geldeston	—	—	—	—	—	—	—	—	—	—	—	—	148
Glasgow	3	13	23	33	43	53	63	73	82	92	101	111	130
Glasnevin (Dublin)	—	—	—	—	—	—	—	—	—	—	—	—	164
Glencarron	—	—	—	—	—	—	—	—	—	—	—	—	122
Gordon Castle	—	—	—	—	—	—	—	—	—	—	—	—	122
Hillington	6	16	26	36	46	56	66	75	85	94	104	113	146
Hollesley Bay	—	—	—	—	—	—	—	—	—	—	—	—	150
Kew	—	—	—	—	—	—	—	—	—	—	—	—	154
Lairg	—	—	—	—	—	—	—	—	—	—	—	—	120
Laudale	2	12	22	32	42	52	62	72	81	91	100	110	128
Lednathie	—	—	—	—	—	—	—	—	—	—	—	—	126
Lissan	—	—	—	—	—	—	—	—	—	—	—	—	162
Llandudno	—	—	—	—	—	—	—	—	—	—	—	—	144
Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	148
Manchester (City)	—	—	—	—	—	—	—	—	—	—	—	—	142
Marchmont	—	—	—	—	—	—	—	—	—	—	—	—	132
Markree Castle (Sligo)	9	19	29	39	49	59	69	78	88	97	107	116	164
Morpeth (Cockle Park)	4	14	24	34	44	54	64	73	83	92	102	111	132
Norwood	—	—	—	—	—	—	—	—	—	—	—	—	154
Ochertyre	—	—	—	—	—	—	—	—	—	—	—	—	128
Orkney (Deerness)	1	11	21	31	41	51	61	70	80	89	99	108	120
Parkstone (near Bournemouth)	—	—	—	—	—	—	—	—	—	—	—	—	158
Parsonstown (Birr Castle)	10	20	30	40	50	60	70	79	89	98	108	117	166
Plymouth	8	18	28	38	48	58	68	77	87	96	106	115	160
Poltalloch	—	—	—	—	—	—	—	—	—	—	—	—	130
Prestwich	—	—	—	—	—	—	—	—	—	—	—	—	140
Rothesay	—	—	—	—	—	—	—	—	—	—	—	—	130
Rounton	—	—	—	—	—	—	—	—	—	—	—	—	136
Rousdon	—	—	—	—	—	—	—	—	—	—	—	—	160
St Leonards	—	—	—	—	—	—	—	—	—	—	—	—	158
Scarborough	4	14	24	34	44	54	64	74	83	93	102	112	138
Seaham	—	—	—	—	—	—	—	—	—	—	—	—	134
Sheffield	—	—	—	—	—	—	—	—	—	—	—	—	144
Southampton	—	—	—	—	—	—	—	—	—	—	—	—	144
Stonyhurst	8	18	28	38	48	58	67	77	86	96	105	115	156
Strathpeffer Spa	5	15	25	35	45	55	65	75	84	94	103	113	140
Tealby	—	—	—	—	—	—	—	—	—	—	—	—	122
Valencia	—	—	—	—	—	—	—	—	—	—	—	—	142
Wakefield	—	—	—	—	—	—	—	—	—	—	—	—	166
Whitchurch	—	—	—	—	—	—	—	—	—	—	—	—	140
Woburn (Beds.)	—	—	—	—	—	—	—	—	—	—	—	—	160
Wolfelee	—	—	—	—	—	—	—	—	—	—	—	—	152
Woolacombe	7	17	27	37	47	57	67	76	86	95	105	114	132
York	—	—	—	—	—	—	—	—	—	—	—	—	156

ANNUAL SUMMARY FOR ALL STATIONS  
 MAP OF STATIONS  
 250—Wt. 9409/4—1/08—N. & Co. Ltd.

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 168-69  
 Frontispiece

## ERRATA.

- p. 119. List of Stations, for "Rounton, d," read "Rounton, c."  
 " " for "Aysgarth, d," read "Aysgarth, c."  
 " " for "Llandudno, a," read "Llandudno, a, b."



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# OBSERVATIONS

AT

## STATIONS OF THE SECOND ORDER, 1903.

### Introduction.

RETURNS from 72 stations in the United Kingdom for the year 1903 are included in this volume. This is a decrease of two as compared with the previous year, two stations being omitted, viz., Pinmore in the County of Ayr, and St. David's in the County of Pembroke.

The A. list (of stations for which the detailed observations are printed) differs from that for the previous year by the omission of St. David's, where the observations have been discontinued. From the B. list Pinmore disappears.

The 72 stations are distributed as follows:—

- 22 are in Scotland,
- 40 „ England,
- 2 „ 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; the Tables for the several stations are in the order of latitude as in previous volumes.



County.	Station.	Observer.
<b>SCOTLAND.</b>		
Aberdeen	Aberdeen, <i>a</i> - -	Prof. C. Niven, M.A., F.R.S. (for the Meteorological Office).
"	<b>S</b> Braemar, <i>a</i> - -	James Aitken, J.P.
Argyll	Laudale, <i>a</i> - -	A. Fletcher and J. A. Fletcher (for the late T. H. G. Newton, M.A., F.R. Met. Soc.).
"	<b>S</b> Poltalloch, <i>c</i> - -	D. S. Melville (for Lord Malcolm of Poltalloch).
Banff	Gordon Castle, <i>c, d</i> - -	C. Webster (for the Duke of Richmond and Gordon, K.G.).
Berwick	Marchmont, <i>a</i> - -	John A. Wood.
Bute	Rothsay, <i>c, d</i> - -	James Kay (for the Marquis of Bute).
Cromarty	Strathpeffer Spa, <i>a</i> - -	R. Fortescue Fox, M.D.
Forfar	<b>S</b> Dundee, <i>c, d</i> - -	J. Carnochan.
"	Lednathie, <i>c</i> - -	William Morrison (for P. Stormonth Darling).
Inverness	Ben Nevis - -	R. T. Omond, F.R.S.E. (for Directors Ben Nevis Observatory).
"	Fort Augustus, <i>a</i> - -	Rev. Cyril Von Dieckhoff (The Monastery).
"	Fort William, <i>a</i> - -	R. T. Omond, F.R.S.E. (for the Meteorological Office).
Kirkcudbright	<b>S</b> Cally, <i>a</i> - -	W. Thomson (for H. G. Murray Stewart).
"	<b>S</b> Cargen, <i>c, d</i> - -	Alexander Peacock (for Col. Dudgeon).
Lanark	Glasgow, <i>a</i> - -	Prof. L. Becker, Ph.D.
Orkney	Deerness, <i>a, b</i> - -	M. Spence.
Perth	Ochertyre, <i>a</i> - -	George Croucher (for Sir Patrick Keith Murray, Bart.).
Ross	Glencarron, <i>a</i> - -	D. D. Munro.
Roxburgh	Wolfelee, <i>c, d</i> - -	William Gordon (for Major Elliot).
Sutherland	<b>S</b> Dunrobin Castle, <i>c, d</i> - -	D. Melville (for the Duke of Sutherland, K.G.).
"	Lairg, <i>a</i> - -	Rev. D. Macrae, M.A.
<b>ENGLAND.</b>		
Bedford	Woburn Farm - -	H. M. Freear, F.C.S. (for the Royal Agricultural Society).
Cambridge	Cambridge, <i>a</i> - -	Miss A. Walker and H. J. Bellamy (for Sir Robert Ball, F.R.S.).
Cheshire	Bidston (Liverpool), <i>a</i> - -	W. E. Plummer, M.A., F.R.A.S.
Cornwall	Falmouth, <i>a</i> - -	E. Kitto, F.R.Met.Soc. (for the Meteorological Office).
Derby	<b>M</b> Buxton, <i>a, b</i> - -	W. Pilkington.
Devon	Plymouth, <i>a</i> - -	H. Victor Prigg, A.M.I.C.E. (for the Corporation).
"	<b>M</b> Rousdon, <i>c</i> - -	Lady Peek.
"	<b>M</b> Whitchurch - -	E. E. Glyde, F.R.Met.Soc.
"	<b>M</b> Woolacombe, <i>a</i> - -	Edward Henshall, A.M.I.C.E., F.R.Met.Soc.
Dorset	Parkstone, <i>c</i> - -	The late R. Hawkesworth Barnes, B.A., F.R.Met.Soc.
Durham	Durham, <i>a, b</i> - -	F. C. H. Carpenter (for Prof. Sampson, M.A., F.R.S.).
"	Seaham, <i>a</i> - -	G. H. Aird.
Gloucester	<b>M</b> Cheltenham, <i>a</i> - -	F. O. Bell.
Hampshire	Southampton, <i>a</i> - -	A. Vaughan (for the Director-General of Survey).
Hertford	<b>M</b> Bennington, <i>a</i> - -	Rev. J. D. Parker, LL.D., F.R.Met.Soc.
"	<b>M</b> Berkhamsted, <i>a</i> - -	E. Mawley, F.R.H.S., F.R.Met.Soc.
Lancashire	Manchester (City) - -	James Niven, M.A., M.B. (for the Corporation).
"	Prestwich, <i>a</i> - -	T. R. H. Clunn, M.D., F.R.Met.Soc.
"	Stonyhurst College, <i>a</i> - -	Rev. W. Sidgreaves, S.J.
Leicester	Belvoir Castle (Grantham), <i>a</i> - -	W. H. Divers (for the Duke of Rutland, K.G.).
Lincoln	Tealby, <i>a</i> - -	Rev. S. Lewin, B.A.
Norfolk	Geldeston, <i>a</i> - -	E. T. Dowson, F.R.Met.Soc.
"	<b>M</b> Hillington, <i>a, b</i> - -	Rev. H. E. B. Ffolkes, M.A., F.R.Met.Soc.
Northumberland	Cockle Park (Morpeth) - -	J. H. J. Farquhar.
Stafford	<b>M</b> Cheadle, <i>a, b</i> - -	J. C. Philips, J.P.
Suffolk	Hollesley Bay - -	Prof. C. G. Freer Thonger, M.R.A.C., F.C.S.
"	<b>M</b> Lowestoft, <i>a</i> - -	S. H. Miller, F.R.A.S., F.R.Met.Soc.

County.	Station.	Observer.
<b>ENGLAND—cont.</b>		
Surrey	Bramley - - -	James Bartlett, M.A.
"	Kew, <i>a</i> - - -	The National Physical Laboratory (for the Meteorological Office).
"	<b>M</b> Norwood, <i>a</i> - - -	W. Marriott, F.R.Met.Soc.
Sussex	Eastbourne, <i>a</i> - - -	R. Sheward, F.R.Met.Soc. (for the Corporation).
"	St Leonards, <i>a</i> - - -	H. Colborne, M.R.C.S. (for the Corporation).
Warwick	Birmingham (Edgbaston), <i>a</i> - - -	Alfred Cresswell (for the Midland Institute).
Yorkshire	Aysgarth, <i>c</i> - - -	The late Rev. Fenwick W. Stow, M.A., F.R.Met.Soc.
"	<b>M</b> Rounton, <i>c</i> - - -	The late Sir I. Lowthian Bell, F.R.S., F.R.Met.Soc.
"	<b>M</b> Scarborough, <i>a</i> - - -	W. W. Larkin (for the Corporation).
"	Sheffield, <i>a</i> - - -	Elijah Howarth, F.R.A.S.
"	<b>M</b> Wakefield, <i>a</i> - - -	A. Clyde.
"	York, <i>a</i> - - -	H. M. Platnauer, B.Sc., F.G.S. (for the Yorkshire Phil.Soc.).
<b>ISLANDS.</b>		
Isle of Man	Cronkbourne (Douglas), <i>a</i> - -	A. W. Moore, M.A., J.P., C.V.O., F.R.Met.Soc.
<b>WALES.</b>		
Carnarvon	<b>M</b> Llandudno, <i>a, b</i> - - -	W. Little (for the Corporation).
Montgomery	<b>M</b> Churchstoke, <i>b, c, d</i> - -	The late P. Wright, F.C.S., F.R.Met.Soc.
<b>IRELAND.</b>		
Armagh	Armagh, <i>a</i> - - -	J. L. E. Dreyer, Ph.D., F.R.A.S.
Dublin	Dublin (City), <i>a, b</i> - - -	Sir John W. Moore, M.D., F.R.Met.Soc.
"	Dublin (Phoenix Pk.), <i>a</i> - - -	Corpl. Rose, R.E. (for Col. G. H. Sim, R.E.)
"	Glasnevin (Botanic Gardens), <i>a</i> - - -	F. W. Moore, M.R.I.A.
Kerry	Valencia, <i>a</i> - - -	J. E. Cullum, F.R.Met.Soc. (for the Meteorological Office).
King's Co.	Birr Castle, <i>a, b</i> - - -	O. Boeddicker, Ph.D. (for the Earl of Rosse, K.P., F.R.S.).
Sligo	Markree Castle, <i>a, b</i> - - -	J. R. Armstrong (for the late Colonel Cooper, F.R.A.S.).
Tyrone	<b>S</b> Lissan, <i>c, d</i> - - -	James H. Staples.

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 indicates the 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 in three parts.

In Part I. (pp. 1-117) detailed observations at 9 a.m. and 9 p.m. each day are given *in extenso* for 20 stations. The names of these are printed in the list on pp. vi. and vii. in heavier type, thus—**Deerness**.

*Note*:—For explanation of the letters *a*, *b*, *c*, and *d*, suffixed to the names of the Stations in the above list, see p. xiii.



Part II. (pp. 121-167) 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 Pressure and the Relative Humidity; while in the present volume, as in those for 1900, 1901 and 1902, columns have been inserted, showing the total hours of Bright Sunshine, together with the percentage of its possible duration. The additional details as to the heights of the instruments are given as in preceding volumes.

It will be noticed that in the list of stations there are included, as in the years 1886-1902, the Observatories, or Stations of the First Order, in connexion with the Meteorological Office. Although the results from four of these stations have already been 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.

Part III. (pp. 168-169) contains the Annual Summary, which shows 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.

The stations are arranged in the same order as in Part II.

#### *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-two 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.

That given as the height of the station is commonly the height of the ground on which the Rain-gauge stands, which height 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 of the station 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, British Ordnance Datum.

#### *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° 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. From the heading of each Table the height of the barometer cistern above the Mean Sea Level can be obtained.

The correction required to allow for the difference in the intensity of Gravity at the station and in latitude 45° has not been applied. Its amount is stated at the head of each Table.

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.

The Tables used in the reduction of the barometer readings to 32° 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 Pressure, 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 (Factor 3.0) 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, as nearly as may be, 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, or of their density.

#### 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") - - - - W	‡Lunar Halo - - - - ⊕
Hail - - - - ▲	Thunderstorm - - - - T	Rainbow - - - - (
Soft-Hail ("Graupel") - - - - △	Thunder without Lightning - - - - L	Aurora - - - - W
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 heavy,

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.

\* 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.

‡ 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.



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.

#### 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 former 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.

The period covered by a day of rain is the 24 hours ended at 9 a.m. (or 10 a.m.) on the following day; the days of snow, hail, thunderstorm, and gale, are the civil days ended 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. The rule followed in their preparation has been to take such directions as S.byE., SE.byE., etc., as S., SE., etc.; directions 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.

For some of the stations in connexion with the Scottish Meteorological Society (marked "S" in the list on pp. vi, vii), 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.

##### Average Values.

In addition to the mean monthly and yearly values given for each station in Part II., the corresponding yearly average, whenever available, is given at the foot of the Tables. The period to which this average refers varies with different stations, but the particular years included are shown in each case.

Reference is made to publications of the Office containing average values for longer periods by appending letters *a*, *b*, etc., to the names of stations in Part II., and in the list of stations on pp. vi, vii. The explanations of these letters are as follows:—

- a* Appendix III. of "The Weekly Weather Report" for 1906. Monthly average of mean maximum, mean minimum, and mean temperature and of rainfall for the thirty-five years 1871-1905, and (where available) of bright sunshine for the twenty-five years 1881-1905.
- b* Appendix I. to the volume of "Meteorological Observations at Stations of the Second Order" for 1891. Monthly averages for all elements for the fifteen years 1876-1890.
- c* "Temperature Tables of the British Islands," 1871-1900. Monthly averages of mean maximum, mean minimum, and mean temperature, generally for the ~~twenty~~ years 1871-1900, together with information on the extremes of temperature over the same period.
- d* "Rainfall Tables of the British Islands," Part I. 1866-80, Part II. 1880-90. Monthly averages of Rainfall for lustra and for the periods named.



## Sunshine.

In the present volume the Sunshine Table formerly given as Part IV. has been omitted, the number of hours of Bright Sunshine at those stations which are supplied with Sunshine Recorders, together with the percentage of its possible duration, being given in Part II., with the other monthly results.

The form of instrument in most general use is that known as the Campbell-Stokes' Burning Recorder; but at Belvoir Castle, Bennington, Buxton, Cheltenham, Manchester (City), and Norwood (Wallington), Jordan's Photographic Recorders were used. At all the other stations, Stokes', or some other form of Burning Recorder, was employed.

In two 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 Hoylake as representing Bidston; 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 Director desires to record his thanks for the assistance which has thus been afforded to him in the compilation of appropriate Meteorological records for the United Kingdom, and his appreciation of the unremitting care and attention which the fulfilment of the duties of an observer demands.

METEOROLOGICAL OFFICE,  
63 VICTORIA STREET, S.W.,  
January 1903.

## DEERNES.—JANUARY 1903.

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. at Station Level.		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 Pressure.	Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	36.3	39.5	30.0	39.8	1.4	2.0	188	88	S	4	S	6	5	28
2	28.90	28.86	39.8	39.0	37.7	41.8	0.8	1.0	228	94	S	6	SSW	3	10	2
3	73	28.78	40.7	39.0	37.5	42.3	1.5	2.0	222	99	S	4	SW	4	10	2
4	28.91	29.13	39.7	40.0	37.0	41.2	1.7	1.3	210	220	86	90	SW	3	7	1
5	29.34	29.33	38.7	39.2	36.8	40.8	0.7	0.9	221	222	94	92	W	1	2	2
6	28.98	28.89	39.8	39.0	36.3	41.4	1.3	1.2	219	214	90	90	E	4	10	8
7	28.74	28.93	38.0	36.3	32.5	40.0	1.6	0.3	197	208	86	97	NNE	6	10	10
8	29.11	29.24	32.6	38.0	29.8	40.0	1.6	1.4	151	201	82	88	WSW	7	6	6
9	33	18	36.4	41.0	35.0	41.0	0.9	3.5	199	189	93	74	Calm	0	10	10
10	29	49	34.0	28.5	28.0	41.2	3.0	3.0	138	083	71	54	NNE	8	7	10
11	29.68	29.91	32.5	32.0	27.8	35.0	3.0	1.2	123	153	67	84	N	8	7	8
12	30.07	30.18	34.0	35.1	30.0	35.1	2.2	3.1	152	147	78	71	NNW	2	10	9
13	28	32	35.2	32.0	29.8	37.0	2.2	2.0	163	137	79	75	W	1	7	0
14	34	27	36.0	36.0	30.8	39.0	3.0	2.6	158	165	74	77	S	5	7	0
15	31	30.29	37.8	40.2	34.0	40.3	2.8	2.2	175	205	77	83	S	8	8	9
16	30.11	29.95	40.0	39.5	38.0	41.6	3.0	2.3	189	198	76	82	SSE	9	9	10
17	29.96	30.01	40.0	40.5	38.0	41.8	3.0	2.7	189	198	76	79	SSE	8	10	10
18	95	29.92	40.8	42.0	38.2	42.0	2.8	1.6	199	233	78	88	SSE	7	5	10
19	29.99	30.03	39.0	41.1	38.0	42.0	1.0	1.1	218	234	92	91	S	2	3	6
20	30.12	30.07	41.0	41.8	39.0	42.8	2.6	1.5	204	234	80	88	S	4	3	3
21	29.86	29.72	42.0	42.8	40.4	43.2	1.6	1.8	233	236	88	86	S	7	5	7
22	41	28	42.0	37.0	36.0	43.2	1.2	1.8	241	186	91	85	S	6	SW	4
23	35	39	37.0	41.4	34.2	41.6	2.0	1.4	182	231	83	89	W	5	6	5
24	29.15	37	41.4	40.5	39.2	44.2	3.4	2.5	194	202	75	80	WSW	8	SSW	5
25	28.93	02	45.2	42.2	38.8	47.0	1.9	2.2	258	223	86	84	S	7	W	10
26	29.15	22	46.0	42.4	40.3	48.3	1.6	2.4	274	221	89	82	S	6	SW	5
27	17	18	39.8	39.3	36.0	43.6	2.6	2.3	195	196	80	82	SW	8	SW	6
28	08	29	38.7	38.0	34.2	40.8	1.9	3.0	198	173	85	75	SW	5	W	8
29	38	17	44.0	46.0	37.0	49.4	2.5	2.0	234	265	81	86	SW	8	W	8
30	38	29.20	41.7	47.5	38.8	47.5	2.7	1.0	209	204	80	93	W	5	SW	7
31	29.10	28.79	44.0	44.0	42.0	48.3	2.5	3.0	234	224	81	77	S	5	S	7
Mean	29.461	29.470	39.2	39.4	35.5	42.0	2.1	1.9	200	204	82.8	83.3	5.4	5.1	6.7	6.0

## DUNROBIN CASTLE.—JANUARY 1903.

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	29.40	29.26	38.0	38.0	30.0	39.0	1.0	1.0	208	208	91	91	W	W	—	—	—	—	—	—
2	29.07	07	39.2	38.5	31.0	41.2	1.2	1.5	216	203	90	87	W	W	—	—	—	—	—	—
3	00	10	36.5	36.0	31.5	41.0	1.3	1.0	191	193	89	91	NW	NW	—	—	—	—	—	—
4	22	44	37.0	39.2	33.0	42.0	1.0	1.2	200	216	91	90	NW	NW	—	—	—	—	—	—
5	55	40	35.5	36.0	33.0	40.2	1.5	1.0	179	193	86	91	NW	NW	—	—	—	—	—	—
6	29.10	03	39.0	38.0	35.0	41.0	1.0	1.0	218	208	92	91	E	NW	—	—	—	—	—	—
7	28.92	26	37.0	34.0	32.0	39.0	1.0	2.0	200	156	91	79	SE	SE	—	—	—	—	—	—
8	29.45	52	31.0	33.5	27.0	35.0	1.0	1.0	148	171	85	89	W	NW	—	—	—	—	—	—
9	47	32	34.2	38.0	31.0	39.0	1.2	1.0	174	208	87	91	NE	SE	—	—	—	—	—	—
10	52	29.71	35.0	28.0	28.0	39.0	1.0	2.0	184	097	90	64	NE	N	—	—	—	—	—	—
11	29.98	30.18	30.2	29.5	26.0	33.0	0.7	1.5	150	123	89	76	N	N	—	—	—	—	—	—
12	30.28	42	32.0	32.0	27.5	34.0	1.0	1.0	157	157	87	87	NE	N	—	—	—	—	—	—
13	47	57	21.0	21.0	21.0	34.2	1.0	1.0	078	078	70	70	N	N	—	—	—	—	—	—
14	52	49	23.5	30.0	20.0	37.0	0.7	1.0	101	140	82	83	N	NW	—	—	—	—	—	—
15	53	42	31.5	38.0	30.0	39.0	1.5	1.0	142	208	80	91	W	SE	—	—	—	—	—	—
16	27	09	38.0	37.5	37.0	39.0	1.0	3.5	208	161	91	71	S	SE	—	—	—	—	—	—
17	12	16	38.0	37.8	37.0	38.0	2.5	2.3	182	184	79	81	SE	SE	—	—	—	—	—	—
18	09	10	39.0	35.5	35.0	39.0	1.8	1.5	203	179	86	86	S	S	—	—	—	—	—	—
19	17	21	32.0	31.0	30.5	40.2	1.0	0.5	157	161	87	92	NE	NE	—	—	—	—	—	—
20	29	30.21	30.0	32.0	30.0	40.0	1.0	1.0	140	157	83	87	N	N	—	—	—	—	—	—
21	30.06	29.91	40.0	42.5	31.0	42.5	2.0	2.5	207	220	84	81	SW	SW	—	—	—	—	—	—
22	29.62	51	39.0	34.5	34.0	42.5	1.0	2.5	218	152	92	75	W	NW	—	—	—	—	—	—
23	66	61	38.0	40.5	33.5	43.0	2.5	2.0	182	212	79	84	NW	W	—	—	—	—	—	—
24	45	56	42.0	39.0	37.0	43.5	2.0	2.0	225	199	85	84	NW	W	—	—	—	—	—	—
25	11	49	44.0	44.0	39.0	51.0	1.0	1.0	265	265	92	92	W	W	—	—	—	—	—	—
26	39	44	51.5	42.0	41.2	52.0	1.5	1.0	341	245	89	92	W	W	—	—	—	—	—	—
27	44	46	36.0	38.0	35.0	42.0	1.0	1.0	193	208	91	91	NW	NW	—	—	—	—	—	—
28	37	69	36.0	38.0	36.0	42.0	1.0	3.0	193	173	91	75	NW	W	—	—	—	—	—	—
29	67	51	43.0	49.0	38.0	58.0	2.0	2.5	234	287	84	83	W	W	—	—	—	—	—	—
30	61	29.50	41.2	49.2	41.0	51.0	1.2	2.7	233	285	91	82	NW	W	—	—	—	—	—	—
31	29.34	28.99	45.0	44.0	42.2	51.0	4.0	3.5	214	215	72	74	SW	W	—	—	—	—	—	—
Mean	29.681	29.697	36.6	36.9	32.7	41.4	1.4	1.6	192	189	86.3	83.9	—	—	—	—	—	—	—	—



## BRAEMAR.—JANUARY 1903.

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. at Station Level.		Air Temperature.					Humidity.					Wind Direction and Force.				Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
								Dep.of Wet.		Vapour Pressure.		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.	28° 23'	28° 19'	15° 6'	34° 4'	14° 0'	34° 8'	0° 6'	2° 5'	in.	%	%	NE	0° 5'	NE	2	5	9	ins.	Fine a. Dull p.	
2	27° 92'	27° 91'	35° 7'	35° 6'	33° 4'	37° 0'	1° 1'	2° 6'	1° 90'	169	90	78	S	0° 5'	SW	2	10	2	30	Fine a.		
3	77	27° 92'	35° 0'	35° 3'	33° 2'	37° 2'	1° 5'	1° 6'	1° 174	185	85	86	SW	0° 5'	SW	2	10	10	70	☔ (sleet).		
4	27° 99'	28° 26'	35° 0'	35° 2'	34° 2'	40° 1'	1° 5'	2° 3'	1° 184	186	87	81	SW	0° 5'	SW	0° 5'	3	1	10	☔ showers.		
5	28° 40'	28° 29'	35° 3'	35° 1'	29° 0'	38° 8'	1° 7'	0° 6'	1° 174	143	84	90	SW	0° 5'	W	0° 5'	5	7	10	Fine.		
6	27° 86'	27° 89'	32° 6'	34° 8'	27° 3'	35° 2'	1° 1'	1° 0'	1° 162	182	87	91	NW	0° 5'	NW	0° 5'	10	10	25	Dark and damp.		
7	27° 66'	27° 99'	33° 6'	31° 6'	30° 2'	36° 9'	1° 1'	2° 0'	1° 170	133	88	74	NW	0° 5'	NW	2	9	10	10			
8	28° 30'	28° 35'	26° 8'	27° 7'	25° 5'	32° 5'	0° 7'	0° 6'	0° 123	133	85	88	NW	0° 5'	N	0° 5'	2	10	10	10		
9	29	27° 99'	28° 1'	32° 4'	24° 8'	33° 2'	0° 6'	0° 6'	0° 135	171	88	94	NW	0° 5'	NW	4	10	10	50	☔ all day.		
10	28° 44'	29° 6'	29° 6'	23° 6'	22° 7'	34° 6'	0° 1'	0° 4'	0° 162	112	98	89	NW	4	NW	6	10	8	15	☔ all day.		
11	28° 63'	28° 84'	26° 8'	25° 9'	22° 3'	28° 9'	0° 6'	1° 0'	0° 124	107	87	86	NE	2	NE	2	10	4	10	☔ showers a. Fair p.		
12	29° 05'	29° 17'	24° 8'	9° 1'	9° 0'	27° 2'	1° 3'	0° 6'	0° 092	052	68	80	NE	0° 5'	NE	0° 5'	8	0	—	—		
13	24	30	2° 3'	15° 8'	1° 0'	22° 8'	0° 1'	1° 2'	0° 047	055	96	62	NE	0° 5'	NE	0° 5'	3	0	—	—		
14	30	26	21° 9'	24° 9'	4° 3'	29° 5'	0° 4'	0° 6'	0° 104	114	88	85	NE	0° 5'	SW	6	8	4	—	—		
15	30	29° 21'	28° 4'	29° 4'	22° 8'	34° 2'	0° 7'	0° 6'	0° 125	146	87	89	SW	2	S	4	7	6	—	—		
16	29° 04'	28° 89'	32° 6'	31° 0'	29° 0'	35° 0'	1° 1'	0° 5'	0° 162	161	87	92	SE	6	SE	4	5	7	—	Dark and gusty.		
17	28° 90'	29° 41'	31° 0'	33° 6'	29° 8'	33° 9'	0° 5'	0° 9'	0° 161	174	92	90	SW	0° 5'	SE	4	6	8	—	—		
18	89	89	33° 6'	33° 9'	32° 2'	35° 4'	1° 1'	2° 1'	1° 170	153	88	79	SW	2	SW	0° 5'	9	10	—	—		
19	28° 89'	28° 99'	32° 8'	31° 8'	29° 8'	37° 3'	1° 6'	1° 5'	1° 153	146	82	80	SW	0° 5'	SW	0° 5'	10	8	—	Fair a. Dull p.		
20	29° 07'	29° 06'	27° 6'	35° 7'	25° 3'	36° 1'	0° 7'	3° 9'	1° 130	140	86	66	S	0° 5'	S	0° 5'	9	8	—	Fair and clear a.		
21	28° 88'	28° 78'	36° 2'	37° 4'	33° 0'	37° 8'	0° 9'	0° 8'	1° 197	208	92	93	SW	0° 5'	SW	4	8	10	10	10		
22	46	39	37° 0'	31° 9'	31° 2'	38° 3'	0° 8'	0° 4'	0° 204	172	93	95	SW	2	SW	0° 5'	10	3	—	—		
23	49	50	32° 6'	38° 1'	30° 8'	38° 5'	2° 1'	1° 6'	1° 142	198	76	86	SW	1	SW	4	2	10	—	Clear a.		
24	34	48	37° 4'	38° 2'	35° 8'	40° 6'	2° 9'	2° 9'	1° 171	176	76	76	SW	6	SW	2	3	2	54	Clear a.		
25	09	35	44° 2'	40° 4'	35° 6'	45° 2'	2° 3'	2° 9'	1° 440	194	82	78	SW	8	SW	6	10	1	10	Gusty, with ☔ showers.		
26	35	36	46° 4'	43° 4'	38° 8'	47° 3'	2° 2'	3° 9'	1° 264	202	84	73	SW	2	SW	6	8	8	10	8		
27	38	41	38° 6'	35° 9'	35° 1'	43° 0'	3° 1'	1° 4'	1° 177	186	76	88	SW	6	SW	0° 5'	9	10	10	65	☔ showers.	
28	29	49	34° 4'	35° 6'	32° 8'	38° 0'	0° 9'	2° 3'	1° 181	166	91	79	SW	1	SW	2	10	5	15	☔ showers.		
29	56	42	40° 3'	45° 8'	34° 6'	46° 2'	2° 5'	1° 5'	1° 200	274	80	89	SW	4	SW	6	5	10	10	56		
30	46	28° 40'	45° 6'	45° 7'	44° 0'	47° 0'	1° 3'	2° 2'	1° 276	252	90	85	SW	2	SW	6	9	7	10	9		
31	28° 40'	27° 90'	41° 0'	42° 0'	39° 2'	46° 0'	3° 7'	2° 7'	1° 185	212	72	80	SW	6	SW	8	8	8	10	24		
Mean	28° 502'	28° 524'	32° 4'	33° 2'	28° 1'	37° 0'	1° 3'	1° 6'	1° 163	163	85° 3'	83° 2'	2° 0'	2° 8'	7° 5'	6° 7'	4° 57'					

## LAUDALE.—JANUARY 1903.

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° 40'	29° 24'	30° 4'	41° 8'	30° 0'	42° 2'	0° 4'	1° 8'	1° 59'	227	94	86	S	1	S	4	7	10	1° 09'	✱ a. ● <sup>2</sup> n. [day.	
2	29° 04'	00	40° 8'	43° 0'	39° 0'	44° 8'	0° 8'	1° 8'	1° 237'	238	94	86	S	2	S	3	8	5	1° 36'	● <sup>2</sup> in past n. ● showers during	
3	28° 95'	11	41° 3'	43° 0'	38° 7'	45° 0'	1° 4'	2° 0'	2° 231'	234	89	84	NW	3	W	6	10	10	1° 65'	● <sup>2</sup> showers. K ● <sup>2</sup> n.	
4	29° 23'	44	47° 7'	44° 0'	38° 7'	48° 0'	2° 9'	1° 8'	2° 264'	248	81	86	W	6	W	4	8	10	1° 25'	Stormy, with ● <sup>2</sup> showers.	
5	55	29° 38'	35° 0'	39° 7'	34° 0'	44° 3'	0° 0'	2° 9'	2° 204'	189	100	77	Calm	0	SE	2	5	7	12	Fine day.	
6	29° 06'	28° 95'	39° 0'	43° 0'	37° 0'	42° 4'	0° 7'	0° 4'	2° 224'	258	94	97	SE	3	Calm	0	8	10	28	✱ a. ☼ <sup>2</sup> (mist) ● showers.	
7	28° 88'	29° 26'	39° 0'	36° 5'	34° 0'	43° 8'	1° 0'	1° 8'	2° 128'	183	92	84	NE	1	NW	2	8	8	16	✱ <sup>2</sup> ● <sup>2</sup> (sleet) showers.	
8	29° 55'	55	32° 7'	31° 0'	29° 0'	39° 0'	1° 7'	1° 0'	1° 150'	148	81	85	Calm	0	Calm	0	4	10	14	✱ at intervals all day.	
9	32	07	35° 3'	38° 0'	29° 0'	39° 6'	1° 3'	1° 0'	1° 181'	208	88	91	ESE	4	ESE	7	10	10	20	✱ from ga. Very stormy n.	
10	40	29° 70'	38° 0'	30° 2'	29° 9'	39° 0'	2° 0'	1° 2'	1° 190'	137	83	81	SE	3	SE	2	2	5	—	✱	
11	29° 88'	30° 15'	28° 0'	26° 0'	24° 8'	37° 7'	2° 0'	2° 0'	0° 97'	081	64	58	NE	2	Calm	0	0	0	—	—	
12	30° 31'	35	32° 0'	25° 7'	24° 0'	34° 8'	0° 3'	2° 3'	1° 175'	073	96	53	NE	1	Calm	0	10	0	—	—	
13	44	50	26° 0'	34° 0'	23° 0'	34° 6'	0° 1° 0'	1° 0'	1° 107'	176	76	89	E	2	SSE	4	0	2	—	—	
14	51	42	32° 1'	33° 8'	23° 6'	34° 8'	0° 1° 2° 4'	1° 81'	147	99	76	SSE	4	SE	5	3	8	—	—	Clear and frosty.	
15	44	30° 28'	32° 8'	34° 0'	28° 6'	37° 0'	0° 8'	1° 0'	1° 170'	176	91	89	SE	7	SE	6	0	0	—	—	
16	08	29° 98'	37° 6'	38° 0'	34° 0'	39° 9'	2° 8'	4° 0'	1° 174'	157	77	68	ESE	6	ESE	7	0	6	—	—	
17	00	30° 05'	38° 4'	37° 8'	36° 0'	40° 2'	3° 4'	3° 8'	1° 169'	159	73	69	SSE	5	SE	4	9	8	—	—	
18	04	07	40° 2'	40° 3'	37° 0'	41° 5'	1° 5'	1° 3'	1° 233'	233	89	90	S	4	S	2	10	8	—	—	
19	09	14	40° 2'	41° 2'	37° 0'	43° 8'	4° 2'	2° 2'	1° 170'	213	68	83	SE	4	SSE	2	6	5	—	—	
20	22	30° 21'	43° 0'	43° 8'	36° 3'	45° 0'	2° 0'	2° 1'	1° 234'	241	84	84	S	4	S	3	8	6	—	—	
21	30° 03'	29° 90'	43° 1'	45° 0'	41° 4'	47° 0'	3° 1'	0° 6'	1° 214'	285	77	95	S	4	SSW	4	10	10	1° 72'	Dark and threatening. ● <sup>2</sup> p.	
22	29° 63'	58	40° 2'	38° 7'	36° 0'	46° 0'	1° 2'	0° 7'	1° 224'	221	90	94	SW	2	W	3	10	10	60	✱ ● <sup>2</sup> (sleet).	
23	71	65	41° 0'	45° 0'	35° 0'	46° 3'	2° 0'	1° 8'	1° 215'	257	84	86	W	3	W	5	7	10	1° 03'	● showers. ● <sup>2</sup> n.	
24	58	65	45° 8'	44° 2'	35° 0'	49° 3'	3° 8'	1° 2'	1° 227'	263	74	91	W	4	W	3	10	8	1° 40'	● <sup>2</sup> showers all day.	
25	23	60	32° 0'	47° 7'	42° 0'	52° 8'	3° 0'	2° 7'	1° 310'	267	80	81	W	6	W	6	10	10	34	● (gale) all day.	
26	50	52	52° 5'	48° 2'	44° 9'	54° 8'	3° 5'	3° 2'	1° 304'	261	77	78	W	5	W	4	10	10	20	● (gale) ● showers. < at times.	
27	54	58	45° 0'	44° 0'	37° 0'	49° 9'	3° 0'	2° 0'	2° 233'	244	78	84	W	5	W	7	8	9	96	K △ <sup>2</sup> (gale) ● showers.	
28	50	77	41° 0'	43° 0'	38° 7'	46° 0'	1° 0'	2° 5'	2° 235'	225	92	81	W	6	W	5	7	8	10	10	K △ <sup>2</sup> (gale) ● showers.
29	76	66	47° 0'	49° 0'	40° 0'	50° 0'	2° 0'	1° 2'	1° 275'	317	86	92	W	5	W	8	10	10	1° 00'	● (gale) ● <sup>2</sup> showers.	
30	66	29° 65'	50° 2'	48° 3'	41° 0'	52° 0'	0° 2'	0° 6'	1° 358'	324	99	96	W	5	W	5	10	10	56	● (gale).	
31	29° 45'	28° 94'	45° 3'	46° 0'	44° 0'	48° 3'	2° 3'	1° 0'	1° 250'	287	83	93	SW	4	S	5	10	10	62	Stormy, with ● showers.	
Mean	29° 676	29° 688	39° 8	40° 1	34° 8	43° 9	1° 8	1° 8	2° 123	215	84° 9	83° 5	3° 6		3° 8	7° 0	7° 5	12° 78			



## COCKLE PARK (NEAR MORPETH).—JANUARY 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.026 in.

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
							Dep. of Wet.		Vapour Pressure.		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	29.18	29.17	32.0	34.0	27.0	39.0	1.0	1.0	157	176	87	89	NW	1	S	4	1	10	Fine day. (mist) p.	
2	28.78	28.82	40.0	39.0	32.0	44.0	1.0	1.0	226	218	92	92	S	7	SW	2	10	7	110	☉ a. (mist) p.
3	28.75	28.98	38.0	40.0	35.0	43.0	2.0	2.0	190	207	83	84	SW	4	SW	6	2	3	022	Fine day. ☉ in evening.
4	29.03	29.16	44.0	40.0	37.0	45.0	2.0	1.0	244	226	84	92	W	8	W	9	3	1	—	Fine day. ☉ (gale) n.
5	29.26	29.12	37.0	39.0	35.0	40.0	1.0	0.0	209	238	91	100	SW	3	SE	3	10	10	595	Dull a. ☉ p.
6	28.73	28.77	47.0	41.0	38.0	49.0	1.0	0.0	268	257	93	100	SW	4	SW	2	10	2	230	☉ a.
7	28.44	28.88	40.0	36.0	35.0	45.0	1.0	1.0	226	193	92	91	SW	4	W	6	10	1	020	☉ showers a.
8	29.24	29.28	31.0	32.0	28.0	36.0	1.0	1.0	148	157	85	87	W	6	SW	2	1	10	738	☉ at night. [day.
9	28.99	28.69	36.0	39.0	30.0	39.0	0.0	0.0	212	238	100	100	SE	2	S	2	10	10	660	☉ 6 in. deep. * <sup>2</sup> during
10	28.80	29.20	38.0	31.0	30.0	40.0	0.0	0.0	228	174	100	100	NW	4	N	7	10	10	375	☉ during day.
11	29.46	29.68	30.0	30.0	26.0	33.0	1.0	1.0	140	140	83	83	NW	5	NW	5	4	4	377	☉ 5 in. deep.
12	29.93	30.00	31.0	30.0	26.0	32.0	0.0	1.0	174	140	100	83	NW	5	NE	6	10	3	095	☉ Fine day.
13	30.13	30.22	30.0	25.0	21.0	31.0	1.0	1.0	140	100	83	74	NE	1	NW	1	9	5	—	☉ Fine day. (mist) sp.
14	30.26	30.25	30.0	27.0	21.0	32.0	1.0	1.0	140	114	83	79	SW	1	SW	4	10	10	—	☉ Fine and frosty.
15	30.00	29.87	33.0	29.0	28.0	36.0	2.0	1.0	097	193	64	91	SW	3	SE	6	5	10	—	☉ Dull, with ☉.
16	29.84	29.85	29.0	34.0	27.0	39.0	1.0	1.0	130	176	82	89	S	3	S	3	10	4	—	☉ Dull day. * n.
17	28.83	28.82	34.0	34.0	28.0	33.0	0.0	0.0	196	160	100	100	S	3	S	3	10	10	—	☉ showers.
18	28.86	29.1	30.0	36.0	28.0	37.0	1.0	0.0	140	212	83	100	SW	2	S	1	10	10	—	☉ all day.
19	28.95	28.87	36.0	36.0	31.0	39.0	0.0	0.0	212	212	100	100	NW	1	SE	1	10	10	016	☉ all day.
20	28.78	28.78	32.0	36.0	30.0	38.0	0.0	0.0	182	212	100	100	S	3	SE	3	10	4	—	☉ all day.
21	28.31	28.34	39.0	36.0	33.0	43.0	1.0	1.0	218	193	92	91	S	5	W	6	10	10	055	☉ Dull, with ☉.
22	28.46	28.56	35.0	38.0	33.0	40.0	1.0	1.0	184	208	90	91	W	6	SW	5	1	9	068	Fine day. ☉ n.
23	28.38	28.53	45.0	36.0	34.0	47.0	2.0	1.0	253	193	85	91	W	6	SW	3	7	5	—	Fine day.
24	28.13	28.51	51.0	46.0	36.0	52.0	3.0	3.0	299	244	80	79	SW	8	W	12	3	0	015	Fine day.
25	28.43	28.41	50.0	47.0	41.0	58.0	1.0	1.0	234	298	93	93	SW	6	SW	6	7	4	028	☉ showers a.
26	28.42	28.45	45.0	41.0	40.0	48.0	2.0	2.0	353	215	85	84	SW	7	SW	8	10	1	—	Dull day. ☉ (gale).
27	28.32	28.48	42.0	39.0	38.0	43.0	2.0	1.0	225	218	85	92	SW	10	SW	6	7	1	010	☉ showers. (gale).
28	28.67	28.46	43.0	47.0	38.0	47.0	2.0	2.0	234	275	84	86	SW	7	SW	10	10	10	—	Dull, with ☉ (gale).
29	28.54	29.47	47.0	48.0	45.0	48.0	1.0	1.0	298	309	93	93	SW	8	SW	10	10	10	—	Dull day.
30	29.27	28.92	45.0	43.0	41.0	48.0	1.0	1.0	275	255	92	92	SW	9	SE	4	4	9	025	☉ (gale) a. ☉ showers p.
Mean	29.442	29.463	37.7	36.9	32.1	41.2	1.1	0.9	206	204	88.5	90.6	4.8	5.0	7.5	6.5	3.561			

## SCARBOROUGH.—JANUARY 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.025 in.

1	29.40	29.45	32.8	34.5	29.5	39.2	0.8	1.0	169	179	90	89	W	4	S	4	4	6	04	Fine day.
2	29.21	29.04	38.5	42.0	32.5	45.0	0.3	0.5	227	256	97	96	S	6	S	4	10	10	32	Dull, with ☉.
3	29.09	29.21	42.8	40.5	37.0	43.0	0.8	2.0	257	211	94	84	S	4	SW	4	10	4	06	Dull, with ☉.
4	29.35	29.45	41.5	40.8	37.0	46.5	0.5	1.6	251	221	96	87	SW	7	NW	4	6	8	01	(gale) ☉. Dull day.
5	29.51	29.34	38.0	43.2	37.0	40.0	0.5	0.7	218	264	95	94	S	3	S	5	10	8	40	Dull, with ☉.
6	29.12	29.07	48.8	47.0	41.0	51.5	0.8	0.5	324	309	94	96	S	6	SW	5	8	6	06	Dull, with ☉.
7	28.82	28.13	42.0	41.5	37.0	50.0	1.0	1.3	245	234	92	89	SW	5	SW	4	6	6	02	Fine a. Dull p.
8	29.49	29.52	34.5	35.0	29.5	43.2	1.0	1.0	179	184	89	90	SW	3	SW	3	6	8	11	Dull. ☉.
9	28.98	28.99	42.2	46.0	35.0	47.5	0.7	0.8	253	292	94	94	SE	3	SW	5	10	8	10	Dull, with ☉.
10	29.05	29.30	40.8	36.2	32.5	47.0	1.8	0.7	217	199	86	93	W	4	W	6	4	10	37	Dull all day.
11	29.58	29.78	34.5	35.0	32.0	39.2	1.1	0.8	177	187	88	92	N	6	NE	4	6	6	11	☉. Squally (force 10).
12	30.09	30.25	38.0	34.5	29.0	39.0	2.0	0.7	190	185	83	93	E	6	SE	5	3	8	04	Fine. ☉. ☉ (force 10).
13	29.37	29.42	34.0	30.5	25.0	36.5	1.5	1.3	166	137	84	80	SE	4	SE	4	4	8	08	Very fine day.
14	29.51	29.47	33.2	32.5	30.5	37.0	1.2	2.5	165	133	86	71	S	3	S	4	10	8	01	Overcast day.
15	29.45	29.36	35.0	37.5	32.0	38.2	3.0	1.5	148	195	73	86	SE	4	SE	6	4	10	—	Fine day.
16	29.27	29.13	35.5	35.0	32.0	36.5	2.5	1.5	160	174	78	85	SE	6	S	4	8	10	—	Very dull day.
17	29.10	29.09	34.2	36.5	33.0	38.0	1.7	1.5	163	186	82	86	SW	3	S	3	10	10	02	Very dull, with ☉.
18	29.09	29.05	36.2	36.0	34.0	38.0	0.8	0.5	197	201	93	95	S	2	SE	2	10	10	—	☉.
19	29.11	29.10	37.0	40.0	36.0	42.0	0.5	2.0	210	207	95	84	S	3	SW	2	10	10	02	Very dull, with ☉.
20	29.18	29.18	41.0	42.0	34.5	43.5	0.2	1.0	252	245	98	92	SW	2	SW	2	10	10	01	Heaviest ☉ known for years.
21	30.16	30.09	39.0	39.0	38.0	42.2	0.5	0.5	227	227	95	95	SW	3	SW	4	10	10	02	Overcast, with ☉.
22	29.88	29.54	41.0	42.5	37.0	43.5	1.0	0.5	235	261	92	96	SW	5	SE	3	10	10	10	Dull day.
23	29.76	29.68	35.5	38.0	34.5	46.0	1.0	1.0	187	208	91	91	W	3	S	4	2	4	04	Very fine day.
24	29.68	29.80	44.2	42.0	37.0	47.5	1.2	1.2	263	240	90	90	S	6	S	3	10	8	02	Dull, with ☉.
25	29.62	29.59	46.0	48.0	39.5	52.5	0.5	1.0	298	309	96	92	S	7	SW	4	4	4	—	(gale) ☉. Dull day.
26	29.76	29.72	49.0	51.5	44.5	54.0	0.5	2.5	322	316	96	82	SW	3	SW	4	10	6	02	Dull day.
27	29.76	29.75	44.8	44.5	43.5	53.0	1.6	1.5	260	259	87	88	SW	3	SW	4	8	6	—	Dull day.
28	29.70	29.84	39.0	42.0	38.2	49.0	2.0	2.0	199	225	84	84	W	4	SW	3	3	4	02	Fine day.
29	30.01	29.86	41.5	45.8	39.5	47.5	1.5	1.6	230	271	87	88	SW	3	SW	6	8	8	01	Dull, (force 10) at times.
30	29.87	29.84	45.0	47.0	42.0	49.0	2.5	1.0	274	298	81	92	W	6	SW	8	8	10	—	Dull, with ☉.
31	29.67	29.33	44.0	42.0	42.0	48.0	2.0	1.0	243	245	84	92	SW	3	SW	6	4	8	01	Fine. Squally (force 6-10) p.
Mean	29.738	29.728	39.7	40.3	35.5	44.5	1.2	1.2	223	228	89.4	89.2	4.2	4.2	7.3	7.8	2.02			

## CRONKBORNE.—JANUARY 1903.

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. at Station Level.		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 Pressure.	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.	9 a.m.
	ins.	ins.	°	°	°	°		in.	in.	%	%					ins.				
1	29.38	29.28	32.0	43.2	28.6	43.2	0.7	0.5	.165	.268	91	96	Calm	0	S	4	3	10	.698	*— a. * (sleet) n.
2	28.99	29.00	43.0	45.2	43.0	46.7	1.6	0.6	.242	.287	87	96	W	4-5	SW	3	1	10	.063	☉ a. and p.
3	29.04	29.28	41.6	41.8	40.7	45.8	1.3	1.5	.236	.234	90	88	W	4-5	WSW	4	10	7	.010	☉ ga. Dull day.
4	29.38	29.46	45.2	40.2	40.0	46.0	2.2	1.2	.251	.224	84	90	W	4	W	2	4	3	—	Dull day.
5	29.43	29.19	41.8	42.4	34.6	43.5	1.4	0.7	.236	.256	89	95	ESE	2	W	1	10	10	.675	Overcast, with ☉.
6	28.96	28.94	48.7	46.8	42.0	50.2	0.5	1.8	.332	.277	96	87	SW	5	SSW	3	10	10	.112	☉ a. Dull day.
7	28.81	29.27	41.8	38.0	38.0	46.8	1.8	2.4	.227	.183	86	80	W	6	WNW	5	8	4	.032	Squally ☉ (gale) a. ☉ p.
8	29.52	29.31	32.5	34.6	30.3	41.2	0.9	0.0	.166	.201	89	100	WNW	1	ESE	6	3	10	.790	☉. Dull day. ☉ p.
9	29.08	28.76	43.6	40.7	32.5	48.0	0.4	0.0	.274	.323	97	100	ESE	5	S	5	10	10	.534	Overcast, with ☉. ☉ (mist) p.
10	29.02	29.45	40.4	33.4	32.3	47.0	1.1	2.8	.228	.147	91	77	SW	2	N	4	10	10	.295	Overcast all day. ☉ p.
11	29.72	29.96	28.6	30.5	26.0	37.0	0.6	0.8	.139	.150	89	88	NNW	3	NNE	2	2	1	—	☉. Fine and sunny.
12	30.14	30.22	32.0	27.6	27.0	37.0	0.5	0.6	.170	.132	93	88	NNE	2	NNW	1	0	2	.003	☉. Fine a. Dull p.
13	30.32	30.42	35.8	34.0	28.2	36.1	1.6	1.9	.181	.158	86	80	ESE	3	SE	3	7	3	—	☉ a. Dull day.
14	30.44	30.37	34.0	31.4	31.0	34.6	1.0	1.4	.176	.144	89	81	SE	5	SE	6	8	4	—	Dull, with squally ☉.
15	30.34	30.16	31.4	34.4	30.3	35.8	1.7	2.7	.137	.147	77	74	SE	6	ESE	6	6	4	—	Dull, with squally ☉.
16	30.01	29.89	32.1	35.0	32.0	42.0	0.4	2.4	.174	.157	95	77	ESE	5-7	ESE	7	2	10	.012	Overcast, with squally ☉ (gale).
17	29.93	29.93	33.6	36.2	32.2	41.7	1.3	1.2	.166	.191	86	89	ESE	5-5	ESE	5	10	10	—	Overcast, with ☉.
18	29.94	29.98	38.6	40.2	35.7	40.6	0.8	0.7	.219	.235	94	94	SE	3	ESE	3	10	10	.052	Overcast. ☉ showers p.
19	30.00	30.02	39.4	40.7	34.0	43.5	0.2	0.5	.237	.243	99	96	ESE	3	E	3	10	10	.010	☉ a. Dull day.
20	30.13	30.13	40.8	43.0	40.7	43.0	0.5	1.9	.244	.236	96	85	E	2	E	3	10	10	—	☉ (mist) a. Overcast.
21	30.05	29.95	43.4	45.6	41.9	45.8	1.1	1.3	.258	.276	91	90	SSE	3	SSE	3	10	10	.250	Overcast. ☉ shower p.
22	29.66	29.66	45.6	38.2	38.2	45.8	0.9	1.2	.286	.206	94	90	S	5	W	3	10	2	.587	Overcast, with ☉.
23	29.79	29.79	39.6	45.7	37.6	45.7	1.6	0.7	.211	.291	87	95	W	3	SW	4	3	7	.110	Fine day. ☉ n.
24	29.67	29.70	45.4	46.2	42.0	47.6	1.6	0.8	.267	.295	89	95	WSW	3	SSW	2	0	10	.116	☉ a., then fine.
25	29.46	29.74	48.0	48.0	46.2	51.7	0.7	2.6	.317	.272	95	82	SW	6-7	WSW	3-4	10	4	.017	Squally ☉ (gale) a. Dull day.
26	29.67	29.67	49.2	48.4	46.8	49.6	1.2	0.4	.319	.330	92	97	SW	5-6	WSW	5	10	10	.374	Overcast. ☉ p.
27	29.71	29.74	45.8	43.5	42.3	48.7	2.3	2.5	.257	.229	84	80	WSW	3	WSW	4-5	10	0	—	☉ 8.30 a. Dull day.
28	29.70	29.85	42.8	44.2	41.6	46.0	2.8	2.8	.217	.230	79	79	W	5	W	5-6	8	4	.005	Dull and squally. ☉ p.
29	29.02	29.91	44.3	47.4	43.0	47.8	3.1	2.2	.225	.275	76	84	W	5	W	5-6	10	10	—	Overcast, with squally ☉.
30	29.86	29.80	47.9	47.0	46.0	48.8	2.3	1.9	.278	.277	84	87	SW	5	WSW	6-7	10	10	—	Overcast, with squally ☉.
31	29.51	29.01	45.3	45.3	44.0	47.4	1.2	0.9	.274	.282	91	93	SSW	5-6	SSE	5-6	10	10	.832	Dull, with squally ☉.
Mean	29.666	29.672	40.1	40.8	36.9	44.4	1.3	1.4	.229	.231	89.2	88.2	3.9		4.0	7.3	7.3	5.577		



## HILLINGTON.—JANUARY 1903.

Height above Mean Sea Level, 88 feet. Heights above Ground:—Bar., 3 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. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Pressure.		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.	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	ins.	☐ <sup>2</sup> ∞ a. ☐ <sup>2</sup> ∞ (mist) p. ☉ a. ∞ 9p. ☉ showers. ☐ 11a. ☐ 7a. Overcast and mild. ☐ <sup>2</sup> till 6p. ☐ p. ☐ Overcast, but pleasant. ☐ Fine and sunny. ☐ Fine and sunny. 6p. ☐ Cloudy, sunless, and mild. ☐ Fine and sunny. ☐ <sup>2</sup> 10a., 11.30a. and p. ☐ 10p. ☐. Fine and sunny. ☐ ☐ Very cold and dreary. ☐ Dull a. Fine p. ☐ Very fine and sunny. ☐ Sunshine and cloud. ☐ Clear at first, then dull. ☐ n. ☐ a., then fair, but sunless. ☐ Fair, but sunless. ☐ n. ☐ Fair, but sunless. ☐ n. ☐ Fair, but sunless. ☐ Fair, but sunless. ☐ a., then fine and sunny. ☐ Dull all day. ☐ p. ☐ Dull all day. ☐ Fair, but sunless. ☐ p. ☐ a. Fair, but sunless. ☐ Beautiful day. ☐ Sunshine and cloud. ☐ p. ☐ Cloudy day. ☐ p.
2	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ <sup>2</sup> ∞ a. ☐ <sup>2</sup> ∞ (mist) p.	
3	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☉ a. ∞ 9p.	
4	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☉ showers. ☐ 11a.	
5	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ 7a. Overcast and mild.	
6	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ <sup>2</sup> till 6p. ☐ p.	
7	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Overcast, but pleasant.	
8	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fine and sunny.	
9	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fine and sunny. 6p.	
10	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Cloudy, sunless, and mild.	
11	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fine and sunny.	
12	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ <sup>2</sup> 10a., 11.30a. and p. ☐ 10p.	
13	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐. Fine and sunny. ☐	
14	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Very cold and dreary.	
15	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Dull a. Fine p.	
16	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Very fine and sunny.	
17	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Sunshine and cloud.	
18	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Clear at first, then dull. ☐ n.	
19	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ a., then fair, but sunless.	
20	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fair, but sunless. ☐ n.	
21	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fair, but sunless. ☐ n.	
22	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fair, but sunless.	
23	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fair, but sunless.	
24	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fair, but sunless.	
25	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ a., then fine and sunny.	
26	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Dull all day. ☐ p.	
27	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Dull all day.	
28	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Fair, but sunless. ☐ p.	
29	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ a. Fair, but sunless.	
30	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Beautiful day.	
31	29.48	29.58	26.1	31.0	24.3	36.5	0.2	0.3	134	166	95	95	0	0	0	0	☐ Sunshine and cloud. ☐ p.	
Mean	29.843	29.848	38.2	39.2	33.4	44.1	1.0	0.8	215	230	90.6	92.7	2.4	2.5	5.9	6.3	1.70	

## CHURCHSTOKE.—JANUARY 1903.

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	29.03	29.00	29.7	36.2	27.8	37.1	0.6	0.5	148	204	90	95	E	1	SW	2	2	4	300	
2	28.73	28.74	45.4	44.4	36.1	49.5	0.7	2.7	287	233	94	80	SW	3	SW	4	10	2	320	
3	28.77	29.02	40.6	40.0	37.8	45.9	2.4	0.3	205	240	81	97	SW	4	SW	3	8	4	350	Stormy, with
4	29.14	29.06	44.6	40.6	38.8	46.0	2.9	0.9	231	234	78	93	W	3	SW	1	8	10	260	Squally, with
5	28.99	28.89	41.1	50.5	39.7	52.6	0.4	2.2	249	311	97	85	SE	1	SW	5	10	10	260	Gusty, with
6	28.75	28.75	47.9	42.6	42.3	51.9	2.2	2.4	280	223	84	81	SW	4	SW	2	8	2	150	Squally, with
7	28.53	28.53	44.1	35.9	35.8	46.3	2.9	0.8	227	195	78	93	SW	5	W	2	10	3	080	Stormy all day.
8	29.13	28.3	30.9	43.8	30.1	49.1	0.4	0.1	162	284	93	99	W	1	SE	3	8	10	150	(mist).
9	28.72	28.72	47.4	46.3	39.8	48.1	1.4	1.2	262	260	88	90	W	2	SW	8	10	10	458	(gale) (mist).
10	28.68	28.69	38.4	34.5	34.2	45.0	2.3	0.8	188	184	81	91	SW	2	NE	3	4	10	110	Bright and clear.
11	29.21	29.45	27.5	25.7	24.2	35.5	0.8	1.0	124	105	83	75	NW	2	NW	1	6	2	—	—
12	28.66	28.66	25.7	18.7	18.2	33.2	1.0	0.6	105	081	75	80	WNW	1	W	1	0	6	—	—
13	29.86	29.86	25.7	18.6	18.0	29.0	1.0	0.9	105	071	75	70	Calm	0	K	1	0	0	—	—
14	30.02	30.02	29.0	18.1	23.1	13.8	28.8	0.4	0.4	085	109	87	88	Calm	0	SE	3	0	4	—
15	29.88	29.88	24.1	24.7	20.8	28.2	0.6	1.0	108	098	83	74	ESE	3	E	5	8	4	—	—
16	29.62	29.62	22.9	25.9	22.4	30.0	2.2	1.2	059	100	48	72	SE	4	SE	2	4	10	—	—
17	29.50	29.50	27.9	30.7	25.6	31.4	1.2	0.0	116	172	76	100	E	1	E	1	10	10	080	Cloudy day.
18	29.54	29.54	33.5	34.0	30.7	35.0	0.8	0.3	175	189	90	96	Calm	0	SE	1	10	10	010	Cold and raw, with
19	29.57	29.57	35.7	37.2	33.8	40.0	0.7	0.5	195	212	93	95	ESE	1	SE	2	10	10	—	(mist).
20	29.67	29.67	36.3	37.2	35.0	39.0	0.0	0.5	214	212	100	95	Calm	0	Calm	0	10	10	010	Damp, with
21	29.67	29.67	36.3	38.6	35.3	41.3	0.7	0.7	204	220	95	94	SE	1	SE	1	9	4	—	(mist).
22	29.39	29.39	42.0	35.7	35.7	47.1	1.1	1.0	243	189	91	91	SE	1	SE	2	10	2	200	Cloudy and damp.
23	29.47	29.47	37.6	43.0	32.7	44.5	0.9	2.0	208	234	92	84	SE	1	SE	2	8	10	100	Cloudy and mild.
24	29.34	29.34	47.7	48.3	42.8	49.1	2.4	1.6	274	298	82	88	SW	4	SW	4	10	9	160	Distant T.
25	29.24	29.24	46.4	46.1	45.8	52.1	1.4	2.2	281	261	89	84	SSW	6	WSW	3	10	1	018	Squally, with
26	29.43	29.43	49.1	49.3	44.6	51.1	1.1	1.6	321	311	92	89	SW	4	SW	5	10	10	040	(a. Fine p.
27	29.40	29.40	44.4	39.8	39.8	51.0	0.5	0.7	280	231	96	94	SW	2	W	1	10	4	030	Squally all day.
28	29.35	29.35	41.6	43.6	35.4	46.3	3.0	2.3	203	233	77	82	W	4	W	3	1	4	020	Low clouds.
29	29.69	29.69	42.6	45.4	39.8	47.3	3.9	2.9	196	239	72	78	W	2	W	4	6	10	—	showers.
30	29.53	29.53	45.8	43.8	43.8	48.0	2.2	2.1	258	239	84	83	W	4	SW	2	10	5	—	Cool and fresh.
31	29.21	28.63	45.6	44.6	41.4	48.1	3.4	1.5	231	260	76	88	S	4	SW	5	8	10	320	Cloudy, with
																				(p. showers.
Mean	29.313	29.306	37.5	37.6	33.6	42.8	1.5	1.2	201	207	84.5	87.2	2.3	2.6	7.4	6.5	3.626			

## CAMBRIDGE.—JANUARY 1903.

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, +0.019 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	%	%	SW	1	SW	1	ins.
2	29°53	29°61	32°3	31°7	27°8	42°2	0°3	0°0	178	180	97	100	SW	1	SW	1	034
3	36	25	42°1	50°2	30°2	50°7	0°3	1°9	262	315	97	87	SE	2	SW	5	130
4	32	59	44°7	41°2	38°1	51°0	1°2	1°9	269	219	91	85	SW	6	SW	6	110
5	64	59	43°0	43°4	37°1	48°4	3°1	0°5	213	271	77	96	SW	7	SW	1	433
6	57	53	43°9	51°7	41°2	55°7	2°2	1°2	283	352	98	92	SE	1	SW	5	140
7	35	25	52°2	49°3	48°2	54°4	2°8	2°3	318	294	81	84	SSW	6	SW	5	—
8	15	41	46°7	43°4	42°4	51°1	2°8	2°2	255	234	81	83	SW	7	SW	5	—
9	66	55	35°3	41°0	32°3	44°4	0°4	0°4	199	248	97	97	SW	1	E	2	074
10	35	19	44°5	50°3	39°5	51°2	1°2	2°1	266	313	90	85	S	2	S	6	—
11	29	33	42°1	34°4	33°1	51°2	2°1	1°0	224	179	84	89	SW	4	SW	1	—
12	29°58	29°85	33°0	30°4	29°0	37°4	0°9	0°0	169	170	90	100	N	4	N	5	030
13	30°09	30°25	27°8	26°9	24°9	36°2	0°4	0°3	139	137	92	94	N	2	NNW	2	003
14	37	45	27°0	25°1	20°7	34°0	0°9	0°4	117	122	81	90	NNE	1	E	1	—
15	54	47	28°4	21°9	18°5	33°2	0°8	0°1	132	114	85	97	E	1	E	1	—
16	44	37	21°6	25°0	18°7	36°4	0°3	0°0	106	135	91	100	ENE	1	E	1	—
17	30	14	21°2	26°3	17°3	35°6	0°3	0°0	105	143	91	100	Caln	0	SE	1	—
18	10	10	28°7	33°7	21°0	25°3	0°3	1°2	149	169	95	87	SE	2	SE	2	187
19	08	13	35°1	36°2	32°1	38°0	0°2	0°2	201	210	98	98	ESE	1	Caln	0	009
20	14	15	37°4	38°7	34°1	40°7	0°2	0°3	220	229	98	98	ESE	1	Caln	0	037
21	22	24	38°6	39°4	36°0	43°2	0°3	0°2	228	238	98	98	Caln	0	Caln	0	—
22	25	30°22	33°7	38°4	30°9	42°9	0°5	0°4	184	224	94	97	Caln	0	S	1	—
23	30°04	29°75	40°8	43°1	36°2	45°2	0°6	1°0	242	256	95	92	S	2	S	5	086
24	29°94	30°07	36°7	34°2	31°1	47°0	1°4	0°5	191	188	88	95	WSW	3	SW	1	010
25	94	29°98	44°3	48°2	32°9	49°0	1°3	1°0	261	312	90	93	SW	5	SW	4	—
26	29°91	29°95	48°6	47°7	46°3	51°3	2°5	1°7	282	289	83	88	SW	6	SW	4	10
27	30°04	30°04	51°8	49°8	44°9	55°3	1°4	2°8	348	288	90	81	SSW	6	SW	6	10
28	29°97	29°93	51°6	45°5	44°3	53°4	2°6	0°4	315	295	82	97	SW	5	SW	1	430
29	29°98	30°04	39°4	43°6	35°6	49°0	1°0	2°7	222	226	92	79	SW	4	SW	5	—
30	29°26	17	40°3	45°0	36°4	49°7	1°1	3°0	227	233	92	78	SW	2	SW	7	—
31	30°15	30°06	45°1	45°1	43°0	50°3	2°2	3°0	250	234	83	78	SW	5	SW	6	10
32	29°89	29°46	42°3	42°5	39°4	46°3	2°2	1°7	224	236	84	87	S	6	S	6	016
Mean	29°885	29°875	38°7	39°5	33°7	45°5	1°2	1°1	219	228	89°8	91°1	3°0	3°1	7°3	6°2	1°729



SOUTHAMPTON.—JANUARY 1903.

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. at Station Level.		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 Pressure.		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.	29.7	36.6	28.2	38.2	0.3	0.6	1.57	2.05	95	95	NW	3.5	SE	3	10	5	ins.
2	34	35	46.9	51.2	36.4	52.6	0.4	1.1	3.12	3.48	98	93	SE	6	SW	4.5	10	5	330 a. and p.
3	43	70	46.6	41.9	41.0	52.0	1.3	1.6	2.87	2.33	91	88	SW	5	SW	3.5	3	0	a. showers p.
4	80	54	43.9	47.0	41.2	49.6	1.9	0.3	2.45	3.16	85	98	SW	3	SE	4	10	10	showers noon. p.
5	64	63	52.8	50.3	46.8	54.0	1.0	0.9	3.72	3.42	93	94	SW	5	SW	5.5	10	10	580 p.
6	46	31	51.4	51.0	49.9	52.3	1.0	1.7	3.53	3.31	93	88	SW	5	SW	6	10	10	130
7	28	53	47.8	44.4	44.3	51.7	1.8	2.6	2.88	2.26	87	81	SW	4.5	SW	3.5	7	3	190 (force 7).
8	65	52	38.4	46.9	36.0	48.7	0.4	0.5	2.24	3.09	97	97	NW	3	SE	3.5	10	8	(force 7) in past n.
9	34	27	48.0	51.2	44.2	52.3	2.6	1.3	2.72	3.43	82	91	SE	4	SW	6	10	10	0 a. 0 p.
10	34	30	43.3	43.4	42.6	51.9	0.9	1.9	2.61	2.41	93	85	SW	3	SW	3	5	10	053 (force 7) p.
11	29.55	29.86	35.7	32.0	31.7	44.3	1.2	1.3	1.88	1.51	89	83	NE	5	N	4.5	10	0	140 Fine and bright. from 9p.
12	30.10	30.24	31.0	30.1	29.7	37.2	1.0	1.3	1.48	1.34	85	79	NNE	4	NNE	4	2	1	— Fine day.
13	33	42	28.0	27.7	26.6	32.9	0.2	0.0	1.46	1.51	95	100	NE	4	NE	4	10	10	— a and p. Fine and bright.
14	48	41	27.0	26.2	26.2	33.1	0.1	0.0	1.44	1.42	98	100	NE	4	ENE	4	3	0	— X <sup>0</sup> ga. and 2p. Fine day.
15	35	29	24.5	26.2	21.4	32.1	0.0	0.0	1.32	1.42	100	100	SE	4	E	4	5	7	— Bright, but with cold wind.
16	20	05	28.5	33.9	24.7	37.4	0.0	1.4	1.57	1.67	100	85	NE	4	SE	5	3	0	— a. Bright, but with cold wind.
17	02	02	35.5	39.5	32.1	40.4	1.2	0.3	1.85	2.36	89	98	ESE	5	SE	4	10	10	160 X <sup>0</sup> n. Dull day. 0 p.
18	07	12	36.7	41.4	35.7	42.7	0.4	0.4	2.10	2.52	97	97	NE	4	SE	3	10	10	015 Dull, with
19	10	11	42.9	43.9	39.0	45.8	0.2	0.7	2.71	2.70	99	95	SE	3	SE	4	10	10	012 a. 6a.-11a.
20	19	23	43.1	41.1	40.7	45.4	0.6	0.6	2.65	2.45	95	95	E	3.5	NE	3.5	10	10	— 0 a. p.
21	24	30.22	39.9	44.1	38.8	45.8	0.4	0.9	2.38	2.69	97	93	NE	3	SE	3	10	10	— 0 a. and p.
22	06	29.82	43.1	45.1	41.6	46.7	1.0	0.9	2.56	2.79	92	89	S	4	SW	5	10	10	135 Dull and overcast. 5p.-10p.
23	02	30.14	37.7	41.1	34.4	49.3	0.9	1.3	2.09	2.30	92	89	W	3.5	NW	3	1	10	— 0 a. Sunny day. p.
24	07	08	46.9	48.6	39.9	49.8	1.7	0.9	2.81	3.20	88	94	SW	3	SW	4	10	10	012 0 a. and p.
25	03	08	47.6	50.0	46.5	50.4	1.4	0.9	2.95	3.37	90	94	SW	5	SW	4	10	10	070 Overcast, with 0.
26	18	30.16	49.9	50.2	48.8	51.4	1.2	2.1	3.28	3.10	92	86	SW	3	SW	5	10	10	— Dull and overcast.
27	09	29.96	49.8	50.3	49.1	51.1	1.4	1.7	3.22	3.21	90	88	SW	6	SW	6	10	10	235 (gale) n. Dull and overcast.
28	10	30.20	41.0	43.9	39.0	51.1	0.9	1.9	2.37	2.45	93	85	SW	4	SW	3.5	3	0	— Fine and sunny.
29	37	31	40.9	46.5	38.6	52.1	0.7	2.0	2.40	2.70	95	86	SW	3	SW	4.5	3	8	— 0 a.
30	30.27	30.18	46.9	46.7	44.7	49.6	1.7	1.9	2.81	2.75	88	87	SW	4.5	WSW	4	10	10	— Dull and overcast all day.
31	29.93	29.47	43.1	46.7	41.1	47.4	1.3	2.7	2.50	2.57	89	81	SW	4.5	SW	6.5	10	10	370 Dull a. (force 7) p.
Mean	29.921	29.908	40.9	42.6	38.1	46.4	0.9	1.2	2.44	2.55	92.5	90.9	4.1	4.2	7.9	7.3	2.602		

PLYMOUTH.—JANUARY 1903.

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

1	29°50	29°54	34°2	50°4	31°4	50°9	0°4	0°3	1°90	3°58	96	98	NE	1	NE	3	0	7	43	Frequent ☁ showers.	
2	30	35	51°0	49°6	49°0	52°7	0°5	2°3	3°01	2°98	97	84	SW	4	WSW	5	9	10	17	Frequent ☁ showers.	
3	39	68	49°1	47°0	43°5	50°9	2°2	3°1	2°95	2°51	84	78	WSW	7	W	5	6	3	13	Very stormy. ⚡ 11 a.	
4	76	54	48°8	52°7	45°5	53°2	1°5	0°1	3°08	3°95	89	99	WSW	4	WSW	8	10	10	1.43	☁ nearly all day.	
5	58	50	53°4	52°1	50°7	53°9	1°4	1°2	3°68	3°57	90	91	SW	7	SW	7	10	10	30	☁ showers a. ☁ 2 n.	
6	35	22	51°3	48°9	48°4	55°4	0°6	3°9	3°62	2°56	96	74	SW	6	WSW	5	8	7	11	Stormy, with ☁ showers.	
7	25	50	48°2	46°3	45°8	50°1	1°9	2°4	2°90	2°60	87	83	WSW	6	W	3	7	3	02	Fine day.	
8	54	37	43°4	50°3	36°7	50°9	0°6	0°7	2°69	3°47	95	95	ESE	2	SE	4	10	10	15	Overcast, with ☁ showers.	
9	14	19	50°0	50°3	47°9	52°0	0°1	1°2	3°58	3°34	99	92	SSE	7	WSW	6	10	9	09	Squally ☁ showers.	
10	30	22	44°3	40°0	39°3	50°3	3°6	1°0	2°16	2°26	73	92	WSW	4	Calm	0	2	7	02	Fine a. ☁ showers p.	
11	29°55	29°87	36°0	34°1	33°0	40°0	2°0	2°9	1°75	1°41	82	72	NE	5	NNE	4	9	0	—	Cloudy a. Sunny p.	
12	30°07	30°19	33°2	33°2	30°1	34°1	2°3	3°2	1°43	1°27	76	68	NNE	2	ENE	4	0	0	—	Fine and sunny.	
13	24	34	30°1	31°0	28°0	33°2	0°2	3°0	1°62	1°07	97	62	NE	4	NE	4	0	9	—	Beautifully fine and sunny.	
14	37	26	30°4	31°4	28°0	33°6	0°1	2°5	1°67	1°21	99	68	ENE	4	E	6	10	9	—	Overcast and very cold.	
15	30°23	30°13	32°3	35°0	30°5	35°0	0°4	2°1	1°76	1°62	96	80	ENE	4	SE	7	10	9	—	Overcast and cloudy.	
16	29°96	29°84	38°4	44°0	30°0	44°2	2°2	2°2	1°90	2°40	83	83	SE	7	SE	7	7	10	11	Very unsettled. ☁ n.	
17	83	29°87	42°2	45°0	40°3	45°0	0°0	0°0	2°69	2°99	100	100	SE	5	E	3	10	10	04	☁ all day.	
18	96	30°00	44°4	48°8	43°0	47°2	0°0	0°0	2°92	2°97	100	100	E	2	SE	3	10	10	08	☁ nearly all day.	
19	29°96	29°98	45°6	46°8	43°3	48°2	0°7	0°8	2°91	3°01	95	94	SE	5	SE	5	9	10	—	Overcast all day.	
20	30°07	30°14	46°7	46°0	45°8	48°0	0°7	0°0	3°02	3°11	95	100	SE	2	E	3	10	9	—	Dull and overcast.	
21	30°15	30°14	45°0	46°8	44°0	49°6	0°9	1°1	2°77	2°94	93	92	SE	2	SSE	5	10	9	—	Overcast all day.	
22	29°92	29°86	48°3	47°6	41°3	49°2	0°7	1°3	3°22	2°36	95	90	SSW	7	NW	3	10	10	26	Cloudy all day. Steady ☁ p.	
23	30°02	30°10	42°0	47°0	36°6	50°5	0°7	0°6	2°52	3°08	94	96	Calm	0	SW	2	10	9	—	☁ a. Sunny intervals.	
24	30°02	02	48°9	49°3	46°3	50°0	1°6	0°6	3°07	3°36	89	96	WSW	5	SW	6	10	9	10	Overcast. Squally with ☁ p.	
25	29°97	03	48°7	50°1	48°1	50°2	0°4	0°1	3°34	3°60	97	99	SW	6	SW	5	10	10	20	☁ all day.	
26	30°10	30°07	50°9	50°7	49°5	50°9	1°4	1°0	3°38	3°45	91	93	SW	6	SW	6	10	10	—	Overcast and squally.	
27	01	29°95	50°8	44°0	43°6	51°1	0°6	0°3	3°37	2°81	95	98	SW	6	NNW	2	10	10	53	☁ nearly all day.	
28	09	30°16	45°5	46°9	41°9	50°1	1°5	1°9	2°70	2°76	89	87	W	3	W	5	3	2	05	Fine most of day. ☁ showers.	
29	34	31	45°3	46°9	41°8	49°7	0°4	0°5	2°94	3°09	97	97	W	2	W	5	2	8	02	☁ showers. Squally n.	
30	30°26	30°09	45°3	47°9	45°0	48°7	0°5	3°9	2°91	2°44	96	74	W	4	SW	5	10	10	01	☁ showers. Squally n.	
31	29°79	29°23	48°4	48°1	45°7	50°3	1°1	0°4	3°13	3°26	92	97	SW	7	SSE	9	8	10	59	⚡ ☁ showers. Rough sea n.	
Mean	29°838	29°829	44°3	45°1	41°0	47°7	1°0	1°4	2°75	2°74	92°2	88°1	4°4	4°7	7°7	8°0	4°84				

ARMAGH.—JANUARY 1903.

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. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.				
							Dep. of Wet.		Vapour Pressure.								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°·8	29°·04	33°·0	40°·6	31°·4	41°·0	0°·2	0°·5	·183	·242	97	96	SW	1	S	4	10	10	·375	Overcast all day.
2	28°·95	28°·86	37°·1	39°·0	33°·0	46°·0	0°·1	0°·4	·219	·230	99	97	SW	2	SSW	3	2	10	0	—
3	28°·92	29°·15	39°·6	34°·6	34°·3	44°·7	1°·4	0°·8	·215	·185	89	93	SW	4	SW	4	10	3	·015	—
4	29°·33	·40	39°·6	34°·4	34°·4	43°·0	2°·0	0°·8	·204	·183	84	92	SW	4	SW	1	2	10	0	—
5	29°·32	29°·03	34°·0	39°·6	33°·0	43°·2	0°·4	0°·6	·188	·231	96	95	SW	1	ESE	1	10	10	·594	Overcast, with ☁.
6	28°·79	28°·71	46°·3	40°·0	38°·0	49°·9	0°·2	1°·7	·309	·213	99	86	SW	4	SSE	2	10	9	·490	—
7	28°·79	29°·27	38°·2	32°·0	32°·0	45°·5	0°·4	0°·5	·222	·172	97	94	SW	2	W	1	2	9	0	—
8	29°·46	29°·23	30°·6	32°·0	28°·1	35°·7	0°·3	0°·6	·164	·167	96	92	SW	1	ENE	2	0	10	·705	☼
9	28°·92	28°·72	35°·6	37°·6	32°·0	44°·5	0°·0	0°·5	·208	·215	100	96	ENE	1	WSW	1	10	10	1·058	☼. Rapid thaw.
10	28°·95	29°·51	35°·0	30°·3	30°·3	39°·0	0°·4	0°·7	·196	·150	96	89	N	4	NNE	1	10	0	0	—
11	29°·75	29°·96	27°·6	24°·0	24°·0	36°·0	0°·3	0°·4	·142	·114	94	88	N	0·5	NE	1	0	0	0	—
12	30°·13	30°·16	24°·6	22°·8	21°·2	34°·7	0°·6	0°·5	·112	·105	84	86	NE	1	NE	0·5	0	0	0	—
13	·23	·30	27°·1	29°·6	20°·0	35°·2	0°·5	0°·6	·131	·148	89	89	NE	1	SE	1	10	4	·018	☼. ☼ <sup>0</sup> 10a.
14	·30	30°·19	30°·0	29°·0	28°·0	34°·7	0°·5	0°·6	·153	·142	92	89	SSE	1	SE	2	9	7	—	—
15	30°·16	29°·98	32°·0	33°·6	28°·2	34°·2	0°·4	0°·8	·172	·176	94	91	SE	4	SSE	2	10	0	—	—
16	29°·76	·68	34°·6	34°·6	33°·5	38°·0	0°·6	0°·3	·189	·195	94	97	SSE	4	SSE	3	10	10	·538	Overcast, with ☁.
17	·73	·78	39°·4	37°·1	34°·6	40°·1	0°·6	0°·5	·230	·211	95	95	SE	3	SSE	1	10	10	·038	Overcast all day.
18	·81	·85	41°·4	35°·0	33°·8	45°·0	0°·2	0°·6	·236	·192	99	94	S	2	SE	1	10	0	—	—
19	29°·85	29°·88	42°·6	42°·3	35°·0	45°·3	1°·0	0°·3	·251	·263	92	98	SE	2	SE	2	10	10	—	—
20	30°·02	30°·00	44°·0	42°·0	42°·0	45°·2	0°·4	0°·7	·279	·252	97	94	SE	1	SSE	3	10	10	—	Overcast all day.
21	29°·86	29°·74	43°·6	44°·4	40°·4	47°·0	1°·2	2°·2	·257	·244	90	84	S	3	S	4	9	10	·350	Overcast all day.
22	·51	·55	40°·0	33°·3	33°·3	45°·0	0°·0	0°·0	·247	·170	100	89	SW	2	SW	3	10	0	·120	—
23	·70	·56	36°·3	42°·3	33°·3	45°·7	0°·7	1°·7	·201	·234	94	87	SW	2	SSW	4	2	10	·063	—
24	·58	·52	42°·3	44°·6	40°·7	47°·0	2°·2	2°·8	·224	·234	84	80	SW	2	SSW	3	9	10	·048	—
25	·21	·57	47°·6	45°·6	41°·0	52°·0	2°·8	3°·2	·265	·236	81	78	SW	7	SSW	3	10	9	·110	—
26	·47	·51	51°·0	46°·8	45°·2	53°·3	0°·4	0°·4	·364	·311	97	97	SW	3	SW	4	10	10	·250	—
27	·61	·62	43°·0	37°·2	37°·2	49°·0	2°·3	3°·2	·228	·163	82	74	SW	3	SW	3	9	0	—	—
28	·59	·86	40°·6	40°·3	36°·3	47°·0	2°·0	2°·5	·212	·200	85	80	SW	4	WSW	2	4	6	·025	—
29	·88	·75	44°·4	47°·6	40°·2	48°·5	1°·8	2°·0	·253	·282	87	86	SW	4	SW	5	10	10	—	Overcast all day.
30	·70	29°·63	48°·6	46°·6	49°·0	49°·0	2°·0	2°·6	·294	·258	86	82	SW	6	SW	4	10	10	—	Overcast all day.
31	29°·27	28°·78	44°·6	43°·4	42°·5	49°·0	2°·5	2°·0	·239	·238	81	84	S	3	SSW	3	9	10	·090	—
Mean	29°·543	29°·542	38°·5	37°·5	34°·3	43°·7	0°·9	1°·2	·220	·205	91°·9	89°·4	2°·7		2°·4	7°·6	7°·0	4°·967		



## DUBLIN (PHOENIX PARK).—JANUARY 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.						
							Dep. of Wet.		Vapour Pressure.		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.	29°39	29°22	28°8	43°5	25°5	44°5	0°4	1°5	147	249	93	88	Calm	0	SSW	2	3	4	ins.	300	Fine, but cloudy.	
2	29°08	29°02	40°1	43°3	39°6	48°1	0°7	2°5	233	227	94	81	W	1	SW	2	2	3	4	150	2 a. - 4 a.	Bright a.	Cloudy p.	
3	29°12	29°35	39°1	38°3	36°9	45°4	1°5	1°6	209	200	88	87	WSW	2	SW	2	9	2	9	055	2 a.	Cloudy day.		
4	29°50	29°50	41°9	33°3	31°2	44°3	2°0	0°2	226	188	86	99	SW	2	Calm	0	9	10	130			Dull day.		
5	29°38	29°14	40°1	50°1	32°8	50°6	0°8	1°0	231	336	93	93	E	1	E	1	10	6	640			Dull, with ☉.		
6	28°95	28°81	50°1	44°0	41°7	51°1	2°9	3°3	290	218	80	75	SW	3	SE	1	6	5	020			Cloudy day.		
7	28°90	29°38	39°7	35°2	34°9	47°0	1°0	1°1	224	184	92	89	W	1	W	1	5	1	015			☉ showers a.	Cloudy day.	
8	29°55	29°24	25°1	35°9	24°3	36°7	0°4	0°2	121	207	90	98	Calm	0	E	1	4	10	780	2 X 5 p. - 7 p.	2 8 p. - 11 p.			
9	28°97	28°85	48°1	38°6	35°2	49°6	1°0	0°2	311	230	93	98	SE	1	W	2	10	10	070			Dull, with ☉ showers.		
10	29°03	29°53	36°0	34°6	33°2	39°7	0°4	2°7	204	149	96	75	Calm	0	N	3	10	9	235			Dull, with ☉.		
11	29°78	30°00	27°7	30°1	26°7	34°8	1°2	0°5	116	153	77	92	NW	1	Calm	0	5	4	—			Fine day.		
12	30°16	29°22	26°6	25°3	24°9	34°5	1°1	0°4	111	123	78	90	Calm	0	Calm	0	5	4	—			Fine, but cloudy.		
13	29°38	29°37	23°7	33°6	20°6	35°8	0°4	1°2	113	168	89	87	Calm	0	SE	1	6	9	003			Cloudy day.	0 X p.	
14	29°38	29°29	31°9	31°2	28°0	34°1	0°7	1°1	164	149	91	84	SE	2	S	1	5	6	—			Fine, but cloudy.		
15	30°23	30°06	32°2	33°5	30°0	35°5	1°3	1°9	153	153	84	80	SE	2	SE	3	7	6	—			Fine, but cloudy.		
16	29°79	29°73	35°4	38°0	28°6	39°4	2°9	1°2	154	204	74	89	SE	5	SE	3	6	10	050			Cloudy day.		
17	29°80	29°85	41°2	41°0	37°3	42°1	1°2	0°6	233	244	91	95	SE	1	SE	1	10	10	110			Dull day.	☉ 2 from 11 p.	
18	29°88	29°93	39°2	35°0	30°9	48°6	0°1	0°4	238	196	99	96	Calm	0	Calm	0	6	1	—			☉ till 3 a.	Fine and mild.	
19	29°90	29°96	43°8	44°1	34°3	45°2	1°3	0°5	257	278	90	96	SE	1	SE	1	7	9	015			Dull day.	☉ 8 p.	
20	30°08	30°09	44°9	36°6	36°6	48°3	1°1	0°4	272	209	92	97	Calm	0	Calm	0	8	3	—			Cloudy day.		
21	29°99	29°88	45°5	47°7	36°4	49°2	2°4	2°9	250	264	83	81	SSW	1	S	1	8	10	108			Dull day.	☉ 10 p.	
22	29°60	29°70	42°5	36°6	35°9	47°9	0°6	1°8	259	183	95	85	SW	2	WSW	1	10	0	265			2 a. - 9 a.	☉ 9 a. - 3 p.	
23	29°84	29°76	38°0	45°7	35°3	47°7	1°4	2°7	201	247	88	81	W	1	SW	3	4	4	130			Fine, but cloudy.		
24	29°69	29°66	44°1	50°3	43°3	50°7	1°6	2°2	254	309	87	85	W	1	SW	3	8	3	020			4 a. - 8 a.	Fine, but cloudy.	
25	29°45	29°73	51°3	47°9	46°1	54°2	2°8	2°6	308	271	81	82	SW	4	SSW	1	5	3	010			Cloudy day.		
26	29°61	29°66	53°6	49°3	45°3	54°2	2°5	1°2	342	321	83	92	SW	4	SW	2	4	10	380			Overcast, with ☉.		
27	29°75	29°78	44°9	41°1	40°7	50°2	2°0	2°4	253	209	86	81	SW	2	SW	2	8	0	005			Fine, but cloudy.		
28	29°77	29°99	41°0	42°1	37°9	47°2	2°4	1°5	208	236	81	88	SW	2	W	2	4	0	—			Fine, but cloudy.		
29	30°07	29°95	44°6	47°8	41°1	48°8	3°5	2°6	220	270	75	81	SW	3	SW	3	9	9	—			Cloudy day.		
30	29°90	29°78	48°2	46°7	45°2	50°1	2°8	3°3	270	244	81	78	SW	3	WSW	3	9	5	—			Dull day.		
31	29°44	29°51	45°9	41°9	41°6	49°9	3°2	1°2	240	241	78	92	SE	2	S	1	5	10	090			Cloudy day.	☉ from 10 p.	
Mean	29°653	29°655	39°8	40°1	34°9	45°3	1°5	1°5	220	221	86°7	87°6	1°5	1°5	6°7	5°7	3°531							

## BIRR CASTLE.—JANUARY 1903.

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°33	29°12	30°7	45°0	27°3	45°6	0°8	1°1	151	273	88	91	E	1	E	3	8	10	442	☉ a. ☉ p.
2	29°04	28°96	38°2	41°7	28°6	46°2	0°6	1°9	218	225	95	86	E	2	SW	6	2	5	149	Fine, but cloudy. ☉ in evening.
3	29°08	29°30	38°3	37°3	35°0	43°1	1°1	0°8	209	207	91	94	SE	2	SW	2	6	10	210	☉ n. ☉ showers.
4	29°48	29°43	41°2	35°2	33°8	44°0	1°7	0°5	223	196	87	95	SW	1	SE	1	7	10	172	Cloudy day ☉ p.
5	29°26	29°05	39°7	48°3	34°5	48°7	0°5	1°9	234	292	96	87	E	1	SE	1	10	6	330	Overcast. ☉ showers.
6	28°93	28°62	48°2	43°6	39°4	49°4	2°0	1°1	288	259	86	91	S	1	SW	2	9	10	095	Fine, but cloudy.
7	28°89	29°38	41°7	33°2	32°0	44°0	0°1	0°7	262	175	99	92	S	2	SW	1	10	3	—	Cloudy and cool.
8	29°48	29°13	25°6	34°3	24°7	35°0	0°3	0°5	129	188	93	95	NW	1	NE	2	4	10	1000	Fine a. ☉ p. ☉
9	28°85	28°92	42°0	38°2	32°9	47°7	0°3	1°0	260	210	98	92	E	1	W	4	8	10	325	☉. ☉ at times.
10	29°08	29°53	36°2	34°2	33°3	40°0	0°6	2°4	202	150	94	77	NW	6	W	4	10	6	210	Overcast, with ☉.
11	29°80	30°00	28°0	26°0	25°0	34°2	1°1	0°6	120	120	78	85	NNW	3	NW	3	2	2	—	Fine and bright.
12	30°13	29°17	20°7	25°3	19°0	33°4	0°3	0°4	101	123	91	90	NE	2	NE	1	0	2	—	Fine and frosty.
13	29°20	29°26	28°4	29°7	22°8	35°2	1°1	1°7	124	120	80	73	E	1	SE	3	3	0	—	Fine, but cool.
14	29°27	29°17	29°6	29°7	27°0	33°3	0°8	0°3	143	157	86	95	SE	3	SE	2	4	6	—	Fine, but cool.
15	29°10	29°88	32°7	32°6	27°8	33°5	0°3	0°8	180	169	97	90	ESE	5	SE	5	10	0	—	Cold wind. ☉
16	29°62	29°60	36°7	36°8	31°3	39°0	2°8	0°8	167	202	77	93	ESE	6	SE	7	10	10	218	Fine a. Squally ☉ p.
17	29°68	29°73	42°6	42°0	35°7	43°3	0°8	0°2	256	263	93	98	SE	3	E	2	10	10	110	Overcast and cool.
18	29°84	29°81	35°0	40°5	34°1	43°0	0°4	1°0	196	231	96	92	ESE	1	SE	1	0	3	006	☉ a. Fine and bright.
19	29°79	29°83	43°2	46°4	39°3	46°9	1°3	1°1	251	289	90	92	SE	2	ESE	3	10	10	—	Fine, but cloudy.
20	30°01	30°00	45°6	44°6	42°9	47°2	0°9	0°9	292	274	96	94	ESE	2	SE	1	10	10	—	Gloomy day.
21	29°91	29°80	43°7	44°7	39°8	47°6	0°9	0°7	265	279	92	94	SE	1	SE	3	10	10	632	Overcast day. ☉ n.
22	29°59	29°67	40°0	33°7	32°3	45°7	0°6	0°6	234	182	95	93	SW	1	ESE	1	10	3	113	☉ a. Overcast day.
23	29°81	29°70	38°2	45°3	33°0	47°3	0°4	1°5	222	268	97	89	SW	1	SE	3	3	10	242	Fine and bright a.
24	29°70	29°60	44°2	48°7	43°0	50°0	1°1	1°5	265	306	92	89	W	1	SW	1	6	8	045	Fine a. ☉ p.
25	29°41	29°64	51°2	46°6	44°0	52°3	3°0	1°2	302	290	80	92	SW	5	SW	1	5	7	073	Fine and bright.
26	29°58	29°63	52°0	46°7	43°8	54°2	0°4	1°9	377	275	97	87	SW	1	S	3	10	10	234	Overcast, with ☉.
27	29°72	29°75	42°2	39°2	37°0	46°7	1°3	1°4	241	212	90	88	SW	1	SW	1	3	3	052	☉ showers. ☉ n.
28	29°76	29°00	41°2	44°2	36°2	46°7	1°3	2°0	231	246	90	85	SW	3	W	3	1	8	015	☉ showers. Sunny day.
29	30°06	29°95	45°0	47°3	40°9	48°1	2°6	1°9	241	280	81	87	WSW	4	SW	4	10	10	—	Fine, but cloudy.
30	29°89	29°74	48°0	46°0	43°3	49°2	2°5	2°1	274	263	83	85	WSW	4	WSW	3	10	6	—	Fine, but overcast.
31	29°33	29°38	44°2	37°0	35°8	48°2	2°5	0°5	236	210	81	96	SW	3	W	3	3	10	073	Fine day. ☉ n.
Mean	29°598	29°592	39°2	39°5	34°0	44°2	1°1	1°1	222	224	90°0	89°9	2°3	2°6	6°6	7°0	4°746			

## DEERNES.—FEBRUARY 1903.

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. at Station Level.		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 Pressure.		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.	28°52	28°88	38°0	37°0	33°0	44°8	0°2	0°2	224	175	98	80	NNW 6	NNW 9	10	4	ins.	☉ (gale) all day. ☉ till 2p, then ☉
2	29°53	29°65	35°6	36°1	32°0	39°4	2°6	1°0	160	194	76	91	NNW 7	SSW 5	6	10	10	18	☉ (gale) ☉ showers a. ☉ 7p. [showers.	
3	29°61	29°65	46°2	47°0	35°6	47°6	0°2	1°9	308	277	99	87	W 7	SW 3	9	10	10	14	☉ (gale) ☉ a. Mild, dull day.	
4	29°62	29°64	44°2	46°0	43°2	47°8	0°2	2°9	285	261	98	85	SW 2	SW 4	10	10	10	075	☉ till noon, then fine and mild.	
5	29°65	29°56	43°0	45°4	42°0	47°0	3°5	1°2	206	276	75	92	WSW 6	SSW 5	1	1	1	—	Very fine day.	
6	29°29	29°07	45°2	41°0	38°8	46°8	2°2	3°3	251	192	84	75	S 6	WSW 9	8	9	10	04	Marbled sky a. ☉ (gale) 72 miles	
7	29°13	28°93	40°0	39°0	35°0	45°2	1°5	3°0	217	181	88	77	SSW 7	W 7	8	4	1	21	☉ (gale) ☉ showers. [6p.-7p.	
8	29°37	29°71	36°0	35°0	33°6	40°8	1°4	2°8	186	151	87	74	Calm	N 1	1	1	1	—	— a. Milder p. ∞	
9	29°34	29°01	36°3	42°0	33°4	42°0	3°3	0°7	155	252	72	94	E 4	S 4	8	10	1	—	Overcast day. ☉ (gale) p.	
10	29°66	29°56	46°7	47°0	41°0	50°4	1°5	2°9	284	255	89	80	SSW 6	W 9	9	9	10	—	☉ (gale). Bright intervals.	
11	29°80	29°75	43°6	44°0	40°2	48°0	2°6	1°6	228	252	80	87	W 7	W 7	4	8	10	—	☉ (gale). Fine and cold.	
12	29°86	29°14	37°4	33°3	32°0	45°8	3°1	2°3	167	144	74	76	NNW 7	NW 5	6	9	10	—	☉ <sup>0</sup> a. ☉ <sup>2</sup> from 3p. ☉ (gale).	
13	30°03	29°62	38°0	45°5	32°8	45°8	1°0	0°5	208	293	91	96	W 3	W 8	10	10	10	08	☉ (gale) a. ☉ showers all day.	
14	29°52	29°61	45°0	41°2	40°8	47°0	1°0	1°2	275	233	92	91	WNW 7	NW 4	10	1	10	07	Very fine day.	
15	29°82	30°00	37°7	36°0	35°0	42°2	2°5	4°0	180	142	79	66	NE 3	NNE 1	10	10	10	—	Very fine day. Cold.	
16	30°12	30°14	36°2	41°1	33°8	41°1	3°2	1°1	156	234	73	91	SE 3	SSW 3	4	4	10	—	Mild day.	
17	30°02	29°95	42°7	46°2	39°2	46°2	1°0	0°4	252	304	92	98	S 2	SSW 2	9	9	10	—	Mild day. ☉ (gale) p.	
18	29°86	29°59	45°0	43°3	42°8	50°0	0°7	1°3	282	252	94	90	S 5	SSW 8	8	2	10	—	☉ (gale) a. ☉ showers after 6p.	
19	29°12	29°13	48°0	44°8	42°7	53°8	1°7	1°0	302	273	91	92	S 7	WSW 6	9	9	10	39	☉ <sup>3</sup> a.-7a. ☉ <sup>2</sup> showers a. ☉ (gale)	
20	29°45	29°02	38°0	45°5	35°8	46°0	1°7	0°8	195	283	85	94	W 9	S 7	2	10	10	19	☉ (gale). Very rough day. ☉	
21	29°06	29°07	40°1	39°0	34°0	46°9	2°0	2°0	208	189	84	84	SW 8	WSW 9	4	4	10	—	☉ <sup>3</sup> a.-5a. ☉ (gale). [7a. ☉ <sup>2</sup> p.	
22	29°28	28°68	39°1	42°0	34°0	42°3	1°9	0°5	202	256	85	96	WSW 7	SSE 7	3	2	10	107	☉ (gale) 79 miles 1a.-2a. ☉ <sup>2</sup> 4a.-	
23	28°64	29°09	36°3	38°2	32°0	44°0	0°3	2°5	208	183	97	80	W 8	W 6	10	5	10	35	☉ (gale) all day. Stars scintillating.	
24	29°03	28°60	40°0	41°0	34°2	44°0	3°0	2°0	189	215	76	84	SSE 8	SSW 7	10	2	10	—	☉ (gale) all day. Stars scintillating.	
25	28°78	29°00	39°2	38°0	36°0	42°0	1°9	1°6	203	197	84	86	SSW 9	SSW 6	8	0	10	405	☉ (gale) all day. Stars scintillating.	
26	28°85	29°13	38°0	37°0	32°8	41°3	1°0	2°0	208	182	91	83	W 4	SW 5	8	0	10	21	☉ a. Cold and dry. Stars scintillating.	
27	28°34	28°79	40°2	38°8	36°2	43°6	0°2	0°3	245	230	98	98	E 6	NW 6	10	10	10	355	Mild, with ☉ <sup>2</sup> a. Muggy, with ☉	
28	29°13	29°16	37°1	38°0	34°6	42°0	1°0	1°6	201	197	91	86	W 2	SSW 4	4	8	10	03	☉ early a. Fine, mild day. [p.	
Mean	29°394	29°393	40°5	41°0	36°3	45°1	1°6	1°7	221	224	86°5	86°2	5°6	5°6	7°4	5°8	5°025			



## BRAEMAR.—FEBRUARY 1903.

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. at Station Level.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
								Dep.of Wet.		Vapour Pressure.		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.	30°0	32°3	29°4	42°4	0°5	1°8	153	144	92	79	NW 6	NW 8	10	5	ins.	Gusty, with ✱.
2	28°62	28°74	31°8	33°6	29°3	35°2	1°9	1°4	137	164	76	85	NW 2	SW 1	5	9	—	Dull day.
3	27°7	27°78	41°3	44°6	34°3	46°1	2°0	2°0	219	250	84	85	SW 1	SW 2	8	8	19	Dull day.
4	27°71	27°71	45°3	44°6	43°0	47°2	2°0	3°1	257	228	85	78	SW 6	SW 2	7	5	04	Fine day.
5	27°43	27°69	43°6	44°6	40°6	48°2	2°4	2°1	232	248	82	84	SW 2	SW 2	4	8	—	Fine day.
6	27°43	27°39	44°4	34°3	32°8	45°0	4°5	2°5	200	150	68	76	SW 4	SW 0°5	8	8	42	Fair a. ✱ p.
7	27°28	27°12	36°6	41°9	32°7	49°0	1°9	2°0	182	226	84	86	SW 4	SW 6	8	8	50	Gusty, with rain.
8	27°40	28°68	34°0	34°6	33°6	42°0	0°5	1°1	186	179	95	90	SW 0°5	SW 0°5	10	10	35	Calm, with ✱ all day.
9	27°86	29°09	32°8	40°6	32°1	41°0	0°3	2°3	181	207	97	82	SW 0°5	SW 0°5	10	9	72	Dull day.
10	27°84	28°84	45°6	44°0	37°5	50°7	2°1	3°2	259	220	85	76	SW 4	SW 4	8	7	—	Fine day.
11	27°96	28°90	40°6	40°0	39°0	44°3	3°2	3°5	191	181	75	73	SW 1	SW 2	4	3	—	Fine day.
12	28°92	29°14	40°7	32°8	31°6	41°1	8°0	3°3	121	121	48	65	NW 2	N 1	8	7	—	Fine day.
13	29°10	28°77	35°6	42°9	31°0	43°8	2°3	2°2	166	230	79	84	SW 2	NW 4	8	7	05	✱ showers.
14	28°60	27°66	48°4	45°6	41°5	50°0	4°9	3°1	231	238	68	79	N 8	W 4	7	5	03	Fair but gusty.
15	28°78	28°93	36°9	35°0	34°2	45°8	1°2	1°7	196	170	90	83	N 1	N 0°5	7	9	—	Fine day.
16	29°05	29°18	35°4	37°0	33°2	37°4	2°2	2°3	165	177	80	81	N 0°5	SW 0°5	8	9	—	Fine day.
17	29°10	29°06	41°3	45°7	35°2	47°7	2°5	2°2	209	258	81	89	SW 1	SW 0°5	7	10	—	Fair a.
18	28°98	28°72	43°4	40°6	39°5	46°0	2°9	2°1	221	211	72	86	W 1	SW 4	7	10	—	Fair a.
19	27°34	27°33	51°0	43°9	39°5	52°7	4°3	2°3	270	238	72	83	SW 8	SW 8	7	10	40	Gusty, with p.
20	27°69	27°28	46°6	46°8	34°5	47°1	2°0	2°0	271	262	86	86	W 4	SW 8	9	10	57	Fair a. p.
21	28°24	28°32	38°8	33°8	34°5	48°7	2°3	1°6	192	173	82	83	SW 6	SW 6	6	10	05	Fair a. ✱ p.
22	28°42	27°83	36°3	40°3	32°0	42°2	2°8	3°0	164	191	76	76	SW 2	SW 8	6	10	43	Gusty, with p showers.
23	27°87	28°26	33°6	31°3	31°0	40°4	2°1	1°4	151	143	78	81	SW 6	SW 2	7	2	08	✱ showers.
24	28°06	27°78	34°9	37°9	28°3	41°5	1°4	2°7	175	178	87	78	SW 6	SW 6	10	2	1-45	Stormy, with p.
25	28°06	28°08	33°2	36°6	32°0	38°7	1°4	2°1	161	178	84	83	SW 6	SW 2	6	10	43	✱ showers.
26	27°96	27°96	34°6	33°3	31°8	38°1	2°1	2°3	160	144	79	76	SW 4	SW 1	9	4	63	✱ showers.
27	27°22	27°01	36°9	34°7	32°3	39°0	0°6	1°9	207	104	95	81	S 0°5	SW 0°5	8	4	15	✱ showers.
28	28°18	28°23	30°6	34°8	28°2	36°8	1°6	2°7	132	152	76	74	SW 0°5	SW 2	1	4	20	✱ showers.
Mean	28°492	28°528	38°7	38°9	34°1	43°9	2°4	2°3	192	193	80°8	80°8	3°2	3°1	7°2	7°2	6°74	

## LAUDALE.—FEBRUARY 1903.

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	28.92	29.36	37.0	36.4	36.0	46.0	2.0	1.2	1.182	1.193	83	90	NW 3	N 3	7	6	1.28	✱ showers.
2	29.90	29.93	36.0	47.0	35.0	48.0	2.0	0.0	1.175	1.323	82	100	N 2	W 3	7	10	1.20	✱ before ga. p.
3	30.03	29.99	46.3	48.7	46.0	50.2	2.3	1.7	1.261	1.301	84	88	W 2	W 4	10	10	1.57	✱ showers.
4	29.91	29.89	49.3	49.7	47.0	51.7	1.3	1.7	1.318	1.313	91	88	W 4	W 4	10	9	1.29	ga.—noon, then showers.
5	29.96	29.84	49.0	48.3	47.0	51.8	2.0	1.6	1.298	1.299	86	89	SW 2	SW 4	10	10	1.68	✱ showers. Squally n.
6	29.56	29.52	48.0	42.0	40.0	49.9	2.0	3.0	1.285	1.207	86	78	S 4	W 6	10	10	1.31	gale. showers n.
7	29.42	29.33	42.0	43.0	39.0	53.8	2.0	1.0	1.225	1.255	85	92	W 5	W 4	10	10	1.64	all day.
8	29.57	29.79	39.0	42.0	38.8	47.8	1.0	1.0	1.218	1.245	92	92	W 4	Calm 0	10	10	1.45	all day. (mist).
9	30.03	30.25	50.2	48.9	40.0	52.2	1.2	1.9	1.332	1.299	92	87	W 4	W 4	10	7	1.08	showers. (mist).
10	29.10	29.04	50.4	51.0	48.0	53.3	0.4	2.0	1.356	1.323	97	86	W 4	W 7	10	10	1.41	showers. (mist). Squally a.
11	29.22	29.23	46.3	47.0	45.0	51.0	1.5	2.0	1.279	1.275	90	86	WNW 3	WNW 2	6	6	1.02	Fine and seasonable.
12	29.21	29.38	45.0	34.2	33.9	47.0	1.5	0.3	1.264	1.192	89	97	WNW 3	Calm 0	10	0	1.02	Fine, clear, and seasonable.
13	30.34	30.10	39.0	48.0	33.0	48.8	0.1	1.2	1.236	1.304	99	92	SSE 1	W 5	10	9	1.16	showers. (mist).
14	29.96	29.94	49.7	48.0	41.0	49.9	1.7	1.0	1.313	1.309	88	93	NW 3	W 4	10	10	1.33	showers.
15	29.99	30.08	45.3	44.3	43.0	48.3	1.1	0.6	1.277	1.277	92	96	Calm 0	Calm 0	10	8	1.02	Calm and damp, with (mist).
16	30.25	30.33	43.8	44.8	43.3	46.3	1.8	2.8	1.246	1.235	86	79	SE 4	ESE 3	10	10	1.03	Dark day. showers.
17	30.30	30.25	47.3	49.4	42.8	50.8	1.8	1.4	1.283	1.317	88	90	S 4	SW 4	10	10	1.06	Dark and squally.
18	30.15	29.94	46.8	45.2	44.4	49.8	2.8	0.7	1.255	1.285	80	95	S 6	S 6	10	10	1.15	(gale) all day.
19	29.47	29.52	53.8	48.0	45.0	53.8	2.8	2.0	1.337	1.285	81	86	S 5	SW 6	10	10	1.35	(gale) showers.
20	30.03	29.44	48.3	45.1	39.2	51.0	1.9	1.4	1.292	1.267	87	89	W 4	S 7	9	10	1.90	(gale) showers.
21	29.48	29.55	43.2	43.2	39.8	45.1	2.3	3.4	1.230	1.209	82	76	W 6	SW 6	10	10	1.16	showers all day.
22	29.60	29.01	43.1	43.9	40.0	51.0	2.2	1.9	1.231	1.245	82	85	SSW 2	SSW 6	10	10	1.46	showers. (sleet) showers.
23	29.09	29.48	37.8	39.0	34.8	45.2	2.1	4.2	1.188	1.161	83	69	WNW 5	WNW 3	10	7	1.73	showers. (sleet) showers.
24	29.10	28.89	44.1	43.0	35.2	47.5	2.1	4.0	1.243	1.197	83	71	WSW 5	SW 5	10	8	1.94	showers. (sleet) showers.
25	29.18	29.31	37.0	40.0	33.8	41.8	1.3	3.0	1.195	1.189	89	77	SSW 5	SSE 3	9	10	1.93	showers. (sleet) showers.
26	28.53	28.21	41.4	40.0	37.0	42.8	2.1	3.0	1.218	1.189	84	76	NNW 5	SW 4	10	5	1.13	showers.
27	28.53	29.41	37.8	41.0	30.0	41.3	2.1	4.0	1.188	1.180	83	70	S 2	WNW 4	10	6	1.66	showers.
Mean	29.705	29.719	44.1	44.4	39.8	48.7	1.8	2.0	1.254	1.253	86.5	85.5	3.5	4.0	9.6	8.6	13.31	

## DUNDEE.—FEBRUARY 1903.

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. at Station Level.		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 Pressure.		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.	33.5	35.5	32.2	46.0	1.2	3.0	1.167	1.153	87	73	NW 1	SW 1	10	5	ins.	● till 10a. Dull day.
2	29.64	29.74	34.5	37.5	33.4	38.6	2.0	1.8	1.161	1.190	80	85	NW 1	NW 1	5	5	—	Fine till 3p.
3	29.82	29.85	45.4	46.5	35.5	48.9	1.9	2.0	1.260	1.270	87	86	NW 1	NW 1	10	10	—	Dull day.
4	29.79	29.75	46.9	47.3	44.5	48.5	1.9	2.1	1.276	1.266	87	85	SW 2	SW 1	10	10	—	Dull day.
5	29.80	29.74	48.1	46.8	44.4	49.2	1.9	2.3	1.289	1.266	86	84	SW 1	SW 1	10	10	—	Dull day.
6	29.54	29.40	45.5	39.5	37.4	48.0	2.0	1.7	1.259	1.209	86	86	SW 4	SW 10	10	10	1.03	Dull day. (gale).
7	29.39	29.13	40.2	51.1	36.5	51.6	1.7	1.5	1.215	1.337	87	89	SW 2	SW 6	10	10	1.64	Dull, with ●.
8	29.43	29.70	41.5	35.9	34.7	52.4	0.9	0.9	1.243	1.194	93	92	SE 1	NE 1	10	10	1.31	● n. and during day.
9	29.89	30.19	36.1	40.5	32.9	41.0	1.1	0.9	1.192	1.231	90	92	NE 1	NW 1	10	10	1.03	Dull day.
10	30.02	29.95	48.4	49.2	36.7	52.4	2.1	2.7	1.288	1.285	85	82	SW 2	SW 6	10	10	—	Dull, with ●.
11	30.04	30.02	45.1	41.9	40.8	50.4	2.9	2.7	1.236	1.212	78	81	NW 1	W 1	7	7	—	Fine day.
12	29.95	30.19	41.5	32.6	31.9	47.3	2.3	0.7	1.215	1.171	83	92	W 1	N 1	10	5	1.02	Fine day.
13	30.17	29.86	35.1	46.1	29.5	46.9	1.9	2.9	1.167	1.247	81	79	SW 1	SW 1	10	10	—	Dull day.
14	29.66	29.67	49.1	48.1	43.4	53.4	3.2	2.6	1.273	1.273	77	82	SW 1	NW 1	5	5	—	Dull till noon.
15	29.81	29.98	40.9	38.8	37.7	50.0	1.1	0.9	1.233	1.219	91	93	E 1	E 1	10	5	1.01	Dull day.
16	30.15	30.26	37.8	39.5	35.8	43.0	0.9	2.3	1.210	1.198	93	82	S 1	SE 1	10	10	—	Cloudy day.
17	29.18	29.13	43.5	47.1	38.1	48.0	1.8	2.1	1.244	1.274	86	85	W 1	SW 1	10	10	—	Dull day.
18	30.06	29.83	44.4	42.8	41.2	48.6	2.2	2.3	1.244	1.227	84	83	SW 2	SW 1	10	10	—	Dull day.
19	29.48	29.38	51.3	48.8	42.7	54.0	2.9	1.1	1.306	1.318	80	92	SW 6	SW 6	10	10	1.18	Dull day. ● 5p.
20	29.78	29.39	43.1	49.3	40.2	50.0	3.4	1.8	1.209	1.306	75	88	SW 2	SW 2	5	10	1.03	Dull from 4p.
21	29.34	29.38	45.5	38.5	35.6	51.4	3.2	2.3	1.235	1.189	77	82	SW 1	SW 6	7	10	1.10	Dull from 3p.
22	29.48	28.84	40.9	45.3	34.9	47.2	1.7	3.1	1.220	1.235	87	77	SW 1	SW 6	10	10	1.30	Stormy, with ●.
23	28.96	29.31	36.1	35.3	32.7	45.9	1.4	1.7	1.187	1.174	87	84	SW 6	SW 2	5	5	1.10	Dull and stormy. ● showers.
24	29.18	28.84	38.8	39.8	32.9	46.0	1.1	1.1	1.215	1.223	91	92	SE 1	SW 2	10	10	1.24	Stormy, with ●.
25	29.05	29.12	38.8	39.5	37.4	43.5	2.1	2.0	1.196	1.204	84	84	SW 2	SW 4	5	10	1.07	Cloudy and stormy. ● 5p.
26	29.01	29.26	38.5	35.9	34.8	41.6	2.3	1.2	1.189	1.190	82	90	SW 1	SW 1	5	7	1.22	● 11a. Cloudy day.
27	28.20	29.00	40.6	39.5	35.0	46.4	0.9	4.3	1.234	1.163	93	67	NW 1	W 4	10	5	—	Cloudy day.
28	29.22	29.29	34.5	37.1	30.7	41.9	1.7	1.2	1.166	1.197	83	89	W 1	SE 1	10	10	1.04	Cloudy day.
Mean	29.560	29.586	41.6	42.0	36.6	47.6	1.9	2.0	1.226	1.230	85.0	84.9	1.7	2.5	8.7	8.5	3.33	



## COCKLE PARK (NEAR MORPETH).—FEBRUARY 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.				
							Dep.of.Wet.		Vapour Pressure.								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	28.56	28.93	36.0	34.0	31.0	44.0	2.0	1.0	.175	.176	82	89	SW	9	W	6	9	—	Dull a. Snow on hills.	
2	29.48	29.73	35.0	38.0	32.0	39.0	0.0	1.0	.204	.208	100	91	NW	4	SW	6	7	4	—	Fine day.
3	72	78	45.0	45.0	37.0	49.0	1.0	2.0	.275	.253	92	85	SW	6	SW	7	4	7	—	Fine day.
4	72	72	47.0	47.0	44.0	51.0	3.0	1.0	.253	.298	79	93	SW	9	SW	6	8	10	0.80	at night.
5	78	70	48.0	43.0	41.0	51.0	1.0	2.0	.309	.234	93	84	S	3	SW	6	10	9	—	—
6	46	29.39	41.0	41.0	39.0	49.0	2.0	2.0	.215	.215	84	84	S	4	SW	6	8	10	0.05	Fine day. showers n.
7	34	28.96	43.0	52.0	40.0	52.0	2.0	2.0	.234	.335	84	86	S	6	W	12	10	6	0.05	showers. (hurricane) n.
8	26	29.50	54.0	52.0	51.0	55.0	2.0	1.0	.360	.361	86	93	W	12	W	11	9	10	0.60	(hurricane) a.
9	75	30.09	49.0	44.0	42.0	53.0	2.0	0.0	.298	.288	86	100	W	4	SW	3	6	10	—	Fine day. (mist) 9p.
10	94	29.78	50.0	51.0	38.0	53.0	3.0	2.0	.286	.323	80	86	SW	6	SW	9	8	10	—	Dull, with (mist) 9p.
11	93	29.86	46.0	45.0	43.0	51.0	1.0	1.0	.287	.275	93	92	W	6	NW	5	10	7	0.03	Dull day.
12	29.80	30.04	43.0	34.0	33.0	50.0	4.0	1.0	.197	.176	71	89	NW	6	SW	3	10	1	—	Fine day.
13	30.05	29.78	35.0	44.0	29.0	44.0	1.0	1.0	.184	.265	90	92	W	3	SW	6	8	9	—	—
14	29.56	54	48.0	47.0	39.0	52.0	1.0	1.0	.309	.298	93	93	S	5	W	6	10	10	0.53	p.
15	29.65	29.82	41.0	37.0	36.0	48.0	1.0	1.0	.235	.200	92	91	NE	1	NW	1	10	5	0.10	Dull, with showers.
16	30.01	30.14	37.0	38.0	34.0	41.0	1.0	1.0	.200	.208	91	91	Calm	0	S	3	9	10	—	Dull day.
17	30.09	30.03	42.0	42.0	33.0	48.0	1.0	1.0	.245	.245	92	92	S	3	W	6	10	0	—	(mist) 9a. Fine day.
18	29.99	29.77	41.0	43.0	36.0	50.0	1.0	2.0	.235	.234	92	84	S	3	SW	6	5	7	—	(mist) 9a. Fine day.
19	47	38	50.0	50.0	41.0	55.0	2.0	1.0	.309	.334	86	93	SW	6	SW	6	10	10	0.75	Dull day. (gale) a. n.
20	72	40	44.0	52.0	40.0	53.0	1.0	1.0	.265	.361	92	93	W	9	SW	9	1	10	0.33	(gale) a. (mist).
21	31	29.37	48.0	38.0	37.0	53.0	1.0	0.0	.309	.228	93	100	SW	7	NW	11	10	10	0.278	showers. (mist) 9p. (gale) n.
22	29.34	28.92	45.0	47.0	35.0	51.0	1.0	1.0	.275	.298	92	93	SW	5	SW	10	8	10	0.55	(gale) a. showers p.
23	28.97	29.21	38.0	35.0	32.0	48.0	1.0	1.0	.208	.184	91	90	SW	6	W	7	3	0	0.35	(mist) a. and p. showers p.
24	29.18	28.82	38.0	43.0	31.0	47.0	1.0	2.0	.208	.234	91	84	S	6	SW	6	10	3	0.35	(mist) a. and p. showers p.
25	29.05	29.05	38.0	40.0	35.0	45.0	0.0	1.0	.228	.226	100	92	SW	5	S	6	4	3	0.202	showers. p. n.
26	28.99	29.21	39.0	36.0	34.0	43.0	2.0	1.0	.199	.193	84	91	SW	5	SE	3	4	4	0.275	Fine day. (mist) 9p. n.
27	28.20	28.94	41.0	37.0	33.0	46.0	1.0	1.0	.235	.200	92	91	SW	11	W	7	10	0	0.22	p. a.
28	29.11	29.23	34.0	35.0	28.0	44.0	1.0	1.0	.176	.184	89	90	SW	4	SW	4	2	1	0.01	Very fine and frosty.
Mean	29.479	29.502	42.7	42.5	36.6	48.8	1.4	1.2	.247	.251	88.9	90.4	5.5	6.3	7.6	6.6	1.447			

## SCARBOROUGH.—FEBRUARY 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

1	28.87	29.13	37.5	34.5	31.5	46.0	2.3	0.5	181	188	80	94	SW	8	SW	4	8	6	—	Dull day.
2	29.65	29.96	37.5	37.6	32.0	41.5	1.0	1.6	204	194	91	86	NNW	6	NW	4	8	6	—	Fine. at times.
3	29.98	30.08	42.5	40.0	33.5	52.0	1.5	0.5	239	236	87	96	W	4	SW	4	4	6	—	Fine day.
4	30.06	29.95	45.5	48.0	40.0	52.0	1.5	2.0	269	286	88	85	SW	5	SW	4	8	10	—	Dull day.
5	30.08	30.01	47.0	45.5	39.5	51.8	1.8	1.5	279	270	87	88	W	4	SW	3	10	6	—	Overcast day.
6	29.82	29.65	41.0	43.8	39.0	47.2	2.0	1.8	216	245	84	86	SW	4	SW	4	8	4	—	Overcast day, fine evening.
7	76	43	41.0	50.0	40.0	54.5	1.5	1.5	225	322	87	89	SW	4	SW	5	6	6	0.04	Very dull day.
8	29.66	29.79	52.0	54.0	46.0	57.0	1.2	2.5	356	348	92	82	W	7	NW	6	10	6	0.01	(gale) ga. Very dull day.
9	30.01	30.34	52.0	46.5	45.0	56.2	3.0	1.0	309	293	80	92	NW	4	Calm	0	4	3	—	Fine day.
10	27	12	48.5	50.0	41.0	52.5	2.3	2.5	285	298	83	82	W	5	W	6	10	8	—	Overcast day.
11	20	11	47.5	46.2	44.0	52.5	1.0	0.7	304	296	92	94	W	3	W	2	8	8	0.04	Overcast day.
12	04	19	47.2	42.8	41.5	51.0	2.0	2.8	277	216	85	78	NW	2	NW	4	6	4	—	Very fine day.
13	30.32	30.07	37.5	45.0	33.5	47.5	2.5	3.0	177	233	79	78	NW	3	NW	4	6	4	—	Very fine day.
14	29.81	29.75	47.5	47.5	42.0	52.5	2.5	1.5	269	292	81	88	NW	6	NW	6	10	8	0.02	(mist) a. Dull day.
15	29.86	29.98	49.5	41.5	41.0	52.5	2.0	2.0	303	220	86	84	N	2	N	3	10	8	0.02	Dull, with (mist) 9p.
16	30.22	30.40	39.0	39.0	31.0	46.0	2.0	3.5	199	172	84	72	NNW	2	SW	3	8	10	—	Dull, with (mist) 9p.
17	42	32	37.5	42.2	34.0	46.5	2.0	1.2	186	242	83	90	SW	3	SW	3	10	6	—	Dull day.
18	30.32	30.10	34.5	40.5	32.5	46.0	1.0	3.0	179	193	89	76	SW	3	SW	4	6	8	—	Dull day.
19	29.94	29.77	42.5	51.5	36.5	55.2	1.5	2.5	239	316	87	82	SW	6	SW	6	8	10	—	Dull and mild.
20	30.00	78	47.0	52.5	45.0	54.2	1.0	1.3	298	360	92	91	W	6	W	6	4	4	0.01	Very fine day.
21	29.67	67	51.0	42.5	41.0	55.0	2.5	1.3	309	243	82	89	W	5	W	6	6	4	0.58	Dull day.
22	82	27	46.0	50.0	38.0	52.5	1.5	1.5	275	322	88	89	SW	3	SW	6	10	10	0.13	Dull day.
23	33	47	40.0	36.5	34.0	50.5	1.5	1.7	216	183	87	85	W	6	W	6	6	4	0.04	Fine day.
24	60	17	36.5	46.5	34.0	48.5	1.5	1.0	186	293	86	92	SW	6	SW	6	10	6	0.40	Dull, with (mist) 9p.
25	41	42	39.5	43.0	37.5	48.5	1.0	0.8	222	259	92	94	SW	5	SW	4	6	6	0.05	Fine, but with dull intervals.
26	29.27	55	39.8	37.0	36.0	49.0	0.6	2.0	232	182	95	82	SW	6	SW	5	8	6	0.13	Fine. (mist) a. n. showers.
27	28.78	22	46.5	38.5	32.0	47.5	2.0	1.3	269	207	85	88	SW	10	SW	3	8	4	—	—
28	29.33	29.47	35.5	40.5	34.5	45.5	1.0	1.5	187	221	91	87	SW	2	SW	2	6	10	—	(mist) a. Dry, dull day.
Mean	29.802	29.791	43.2	44.0	37.7	50.4	1.7	1.7	246	255	86.5	86.4	4.6	4.3	7.6	6.5	1.47			

## CRONKBORNE.—FEBRUARY 1903.

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. at Station Level.		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 Pressure.		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.	36.8	37.6	35.1	45.7	2.5	3.6	172	160	79	71	W	5	NNW	5-6	6	4	ins.	● <sup>2</sup> a. Dull day. ▲ shower n.	
2	29.87	29.85	30.01	39.4	42.2	37.6	43.5	3.9	1.4	170	239	71	90	NW	4	SW	3	1	10	0.018	Fine and sunny. ● 9p.
3	30.04	30.08	46.7	46.7	41.2	48.0	1.9	1.7	275	279	87	88	WSW	3	WSW	3	7	10	—	Dull day.	
4	03	29.98	46.4	46.7	45.2	47.6	0.9	0.3	294	312	94	98	SW	4	SW	5	10	10	0.80	Overcast. ● p.	
5	30.01	92	46.0	45.5	45.5	47.6	0.7	1.2	294	277	95	91	SW	4	S	5	10	10	0.02	Overcast.	
6	29.64	67	44.7	43.7	42.7	48.5	1.2	3.2	269	218	91	76	S	5-7	WSW	3-4	10	10	0.50	Squally / (gale) a. ● showers p.	
7	56	52	45.3	48.0	42.9	51.3	1.1	1.4	277	336	92	90	SSW	5-6	WSW	5	10	10	0.50	Squally / ● <sup>2</sup> showers.	
8	29.66	29.84	50.0	50.3	48.5	54.7	1.1	1.1	332	336	92	92	WSW	5	SW	5-6	10	10	0.60	● a. and n. Squally /.	
9	30.08	30.32	50.2	48.0	47.0	52.7	2.2	0.8	307	314	85	94	WSW	5	W	2	2	10	—	Very fine and sunny.	
10	23	15	48.4	49.0	46.8	50.5	1.1	1.0	314	322	92	93	WSW	3	WSW	3-5	10	10	0.13	Overcast. ● 8p.	
11	23	15	46.4	48.9	45.8	50.0	0.4	2.4	304	289	98	84	WNW	2	WSW	4	10	10	0.23	Dull, with ● <sup>2</sup> showers.	
12	15	29	45.8	39.4	39.4	49.0	3.4	2.2	235	199	77	83	NW	3	NNW	2	4	4	—	Fine and sunny. ☽ 9p.	
13	30.31	30.14	43.4	46.0	34.5	47.2	1.0	1.4	260	278	92	90	WNW	2	WNW	3	9	10	0.26	— a. Dull day. ● n.	
14	29.98	29.93	46.4	46.0	44.8	47.6	1.5	1.1	280	285	89	92	W	3	WSW	2	10	10	0.10	● a. Overcast.	
15	29.92	29.99	45.8	44.8	44.0	48.8	1.3	1.3	279	267	91	90	WNW	3	NW	2	8	10	0.09	● a. Dull day.	
16	30.17	30.30	41.7	43.8	41.5	45.0	0.9	0.3	246	279	93	98	E	3	SE	3	10	10	0.10	Overcast, with ☼ <sup>0</sup> (mist).	
17	31	29	45.2	45.8	43.0	46.2	1.2	1.1	273	284	91	93	SSW	3	SW	4-5	10	10	—	Overcast.	
18	30.21	30.04	42.6	45.6	41.2	45.8	2.2	1.3	227	276	84	90	S	3-4	SSW	5-6	10	10	—	Overcast. Squally p.	
19	29.79	29.69	48.4	49.0	45.6	49.8	1.1	0.6	313	332	92	96	SSW	6	SW	5-7	10	10	0.12	Overcast, with squally / (gale). ● 10p.	
20	30.10	67	46.6	49.8	43.1	50.0	3.1	0.8	248	337	79	94	SSW	3-4	SW	6-7	0	10	0.80	● a. Squally / (gale) p.	
21	29.58	76	47.6	43.7	43.5	49.8	0.6	0.9	315	244	96	85	SW	2	WSW	6	10	3	520	Dull, with squally / ● <sup>2</sup> showers.	
22	60	37	43.7	46.4	43.2	49.6	0.9	3.1	265	246	92	79	SSW	4	WSW	5-7	10	10	0.84	Squally / ● <sup>2</sup> showers.	
23	31	58	38.6	38.4	35.8	47.0	3.1	2.8	177	179	76	78	WSW	7-8	W	5-6	6	3	008	Dull, with squally /.	
24	26	07	46.0	45.0	38.4	48.1	1.2	1.0	283	275	92	92	S	7-9	SW	4-6	10	2	772	Stormy, with / ▲ <sup>2</sup> ● <sup>2</sup> showers.	
25	29	11	43.7	45.0	39.5	45.6	3.7	1.1	208	273	73	91	SW	5-6	SSE	5-7	4	10	220	Dull, with squally / ☼ 9p.	
26	29.29	31	39.3	43.2	38.1	46.6	2.6	1.6	191	244	80	88	WSW	5-6	ESE	6	7	10	583	Fine, with squally / ● <sup>2</sup> n.	
27	28.91	24	44.9	37.0	36.0	49.9	2.2	1.0	249	200	85	91	W	7-8	W	2	7	10	005	Fine, with squally /.	
28	29.32	29.51	34.9	41.2	29.0	43.8	0.8	2.2	187	213	92	83	Calm	0	SW	3	7	2	168	— a. ✕ <sup>2</sup> ● <sup>2</sup> (sleet) showers.	
Mean	29.779	29.788	44.5	45.0	41.4	48.2	1.7	1.5	259	268	87.5	88.6	4.2		4.3	7.8	8.1	3.223			



## HILLINGTON.—FEBRUARY 1903.

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. at Station Level.		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.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	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.	40.0	31.7	31.0	47.4	2.2	1.0	in.	in.	%	%	SW	4	W	2	6	0	ins.	Very fine.
2	29.11	29.28	40.0	31.7	31.0	47.4	2.2	1.0	2.03	1.55	82	86	NW	3	NW	2	4	0	.03	Very fine.
3	29.65	30.05	34.4	31.3	26.8	41.3	1.7	0.5	1.66	1.63	83	92	S	2	S	2	8	10	—	Overcast all day.
4	30.11	30.15	40.0	45.0	30.0	47.6	1.1	1.1	2.25	2.73	91	91	SW	2	SW	3	6	10	—	Cloudy and mild.
5	30.21	30.20	44.0	46.1	39.5	49.5	1.5	1.4	2.54	2.78	87	89	SW	2	SW	3	6	10	—	Overcast all day.
6	30.20	30.14	45.4	45.0	43.3	48.3	1.9	2.1	2.60	2.52	86	84	SW	3	SW	3	8	10	—	Overcast all day.
7	29.95	29.86	39.8	40.0	39.5	48.9	1.1	1.0	2.23	2.26	91	92	SW	4	W	4	8	6	—	Fine and sunny.
8	29.90	29.74	44.2	50.2	40.0	53.4	0.6	1.5	2.76	3.24	95	89	SW	2	SW	6	6	7	—	Overcast all day.
9	29.93	30.00	52.1	52.0	50.0	56.4	1.4	2.3	3.52	3.28	90	84	SW	5	SW	4	8	5	—	Overcast all day.
10	30.13	30.39	51.5	39.1	38.0	57.6	1.8	1.3	3.34	2.13	88	89	NW	3	NW	1	6	0	—	Very fine and sunny.
11	30.40	30.29	48.0	48.0	35.0	53.3	1.1	1.2	3.07	3.05	91	91	SW	4	SW	3	8	3	—	Cloudy and mild.
12	30.44	30.23	44.0	46.5	41.4	52.4	1.5	0.8	2.54	2.97	87	94	SW	3	SW	4	4	4	—	Overcast all day.
13	30.16	30.28	41.2	41.0	41.0	53.2	1.5	1.1	2.27	2.33	87	91	SW	2	SW	2	10	10	—	Dull a. Finer p.
14	30.40	30.21	35.2	45.0	30.8	45.3	1.3	1.5	1.81	2.64	88	88	Calm	0	W	2	6	8	—	Sunny 12p.-2.30p.
15	29.94	29.85	42.5	45.8	37.5	50.4	1.9	1.1	2.31	2.83	85	91	W	3	NW	4	6	10	.08	Overcast day. ● n.
16	29.89	30.03	43.9	37.8	37.0	48.5	1.2	1.2	2.60	2.03	90	89	NW	1	Calm	0	10	0	.02	● early a.
17	30.31	30.43	33.4	33.3	26.5	43.3	0.7	0.6	1.76	1.77	91	92	Calm	0	SW	1	7	0	—	Very fine and sunny.
18	30.56	30.44	33.9	31.3	25.4	46.6	1.4	0.7	1.58	1.58	83	90	SW	1	W	1	0	0	—	Very fine and sunny.
19	30.46	30.29	33.4	35.9	25.0	47.9	0.9	1.3	1.72	1.85	90	88	W	1	SW	2	0	0	—	Sunshine and cloud.
20	30.21	30.05	42.5	49.0	33.1	58.4	1.8	2.1	2.33	2.95	86	85	SW	4	SW	5	6	4	—	Fine and sunny.
21	30.25	30.04	49.0	51.5	47.6	56.6	2.8	1.8	2.78	3.34	80	88	SW	5	SW	7	4	6	—	Overcast all day.
22	29.88	29.94	53.1	43.0	43.0	57.2	2.2	1.8	3.44	2.88	85	86	SW	6	W	3	8	0	.07	Overcast all day. < 0 p.
23	29.99	29.63	44.0	53.5	40.0	56.6	1.2	1.8	2.61	3.60	90	88	W	3	SW	4	10	8	.04	Overcast all day. < 0 a. < p.
24	30.53	30.63	42.9	35.9	35.9	55.6	3.4	1.9	2.07	1.74	75	83	SW	5	W	4	7	0	—	Sunshine and cloud.
25	30.85	30.48	39.1	47.0	31.8	49.4	2.2	1.3	1.96	2.82	82	90	S	3	W	8	6	10	.23	Overcast day. ● n.
26	30.64	30.59	44.0	43.0	38.0	52.3	2.3	1.2	2.37	2.51	82	90	SW	4	SW	4	0	6	.22	Very fine. < p. ● n.
27	30.45	30.74	39.0	37.0	37.0	47.8	0.2	1.3	2.33	1.95	88	88	W	4	W	4	8	8	.02	Sun and cloud. ▲
28	29.89	29.66	40.1	40.0	31.1	46.0	2.5	2.2	1.98	2.03	80	82	NE	1	N	2	8	2	.03	Overcast day.
Mean	29.967	29.959	42.4	42.5	36.1	50.8	1.7	1.4	2.239	2.248	86.3	88.5	3.1	3.1	6.1	4.5	0.74			

## CHURCHSTOKE.—FEBRUARY 1903.

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	28.68	28.84	36.2	32.2	30.9	46.4	2.6	0.5	1.65	1.71	77	92	WSW	3	W	2	5	10	.045	Cool breeze. * storms p.
2	29.43	29.66	35.1	36.8	30.8	41.0	2.6	1.1	1.56	1.66	76	90	NW	2	W	2	6	9	.010	☼
3	30.63	30.73	45.5	43.6	36.8	47.4	1.4	1.9	2.72	2.41	89	85	W	2	W	2	10	5	—	Cloudy and mild.
4	30.70	30.75	45.6	42.8	31.3	46.1	2.6	1.9	2.67	2.62	81	86	WSW	2	W	2	8	9	—	Cloudy day. Cold wind p.
5	30.70	30.57	46.2	42.5	42.2	48.1	2.3	2.8	2.60	2.14	83	78	WSW	1	E	1	10	10	—	Cloudy and mild.
6	30.33	30.33	43.9	45.6	37.8	50.1	3.0	2.0	2.24	2.60	78	85	SE	3	SW	2	8	4	—	Cloudy and damp.
7	30.30	30.29	44.6	49.0	38.6	50.1	2.0	1.4	2.50	3.12	84	89	SW	3	SW	3	10	10	.040	Cloudy day. ● showers p.
8	30.44	30.54	52.5	49.9	48.8	53.3	2.5	0.6	3.29	3.44	82	96	WSW	4	WSW	4	10	10	.030	Cloudy and squally.
9	30.74	30.97	50.7	50.7	48.8	56.1	0.9	1.9	3.46	3.21	93	87	W	2	W	1	9	10	—	Passing clouds.
10	30.94	30.89	50.1	46.6	46.0	52.6	3.1	1.9	2.85	2.73	79	86	W	3	WNW	2	9	4	—	Cloudy day.
11	30.87	30.82	47.7	46.0	43.8	53.1	2.1	2.1	2.80	2.62	84	84	W	2	W	3	8	10	.005	Cloudy day.
12	30.70	30.86	47.5	33.7	33.7	49.3	1.4	1.0	2.95	1.72	89	89	W	2	NW	1	10	6	—	Cloudy and damp.
13	30.91	30.77	34.9	40.1	33.7	48.1	1.2	1.4	1.79	2.19	88	88	W	1	SW	2	4	8	—	Bright, clear, and sharp.
14	30.58	30.52	44.1	44.6	40.1	46.1	2.0	1.9	2.44	2.52	84	85	W	3	WSW	3	10	10	—	Cloudy, with cool wind.
15	30.48	30.56	45.6	43.6	42.1	50.1	2.0	1.1	2.60	2.59	85	91	NW	1	W	1	8	10	.012	Fine and bright.
16	30.71	30.83	41.6	39.9	39.7	45.6	0.3	1.2	2.56	2.21	97	90	E	1	W	3	10	10	—	☼
17	30.95	30.86	41.6	33.9	33.8	50.6	0.9	1.0	2.43	1.74	93	89	SE	2	E	1	8	0	—	Fine and bright.
18	30.85	30.72	33.6	42.8	26.9	47.3	1.9	2.1	1.54	2.31	80	83	E	2	W	2	9	9	—	☼ (mist) a. Cool wind.
19	30.51	30.47	45.6	49.7	42.8	57.4	2.5	2.7	2.49	2.89	82	81	SSW	6	W	4	8	10	—	Gusty.
20	30.76	30.43	47.1	52.7	44.8	54.5	2.4	2.9	2.68	3.22	82	80	W	1	W	8	9	8	.030	(gale).
21	30.31	30.50	52.7	43.9	42.8	53.3	2.1	3.2	3.42	2.20	85	77	SW	6	W	5	10	0	.140	Rough day. ● 2 p.
22	30.32	30.00	45.6	44.6	43.6	53.3	1.9	1.1	2.62	2.69	86	91	SW	2	SW	3	10	8	.210	Squally and mild with ●.
23	30.04	29.30	38.4	34.5	34.2	46.1	1.9	1.2	1.95	1.76	84	88	WSW	4	W	2	8	0	.080	* storms.
24	29.13	28.82	41.5	39.8	32.8	48.2	1.4	0.7	2.32	2.31	88	94	SW	4	SW	4	10	5	.760	Stormy day with ● 2.
25	29.02	28.80	39.9	45.4	36.1	46.9	2.4	3.7	1.99	2.24	81	73	W	3	W	6	4	10	.800	☼
26	28.97	28.87	36.1	41.6	34.2	47.0	1.4	0.9	1.85	2.43	87	93	WSW	4	SW	3	6	10	.360	Cold wind. Snow on hills.
27	28.87	28.77	44.6	34.9	34.7	48.5	3.7	1.2	2.17	1.73	73	88	SSW	6	E	1	9	1	.024	(gale) in past n.
28	28.92	29.23	35.3	37.8	30.8	46.1	0.6	2.8	1.94	1.75	94	77	E	2	W	2	10	0	—	Passing clouds.
Mean	29.451	29.456	43.4	42.6	38.4	49.6	2.0	1.7	2.243	2.240	84.4	86.3	2.8	2.7	8.4	7.0	2.546			

## CAMBRIDGE.—FEBRUARY 1903.

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. at Station Level.		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 Pressure.		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.																ins.	Clear and sunny.	
2	29.21	29.29	38.9	31.3	30.0	46.3	2.6	0.9	1.87	1.54	80	87	SW	5	SW	1	0	0	—	☼ a. Clear and sunny.
3	29.78	30.14	32.2	33.3	27.6	42.9	1.5	1.7	1.49	1.56	81	82	NW	3	NW	1	0	0	—	
4	30.18	30.26	41.2	45.3	31.1	49.4	1.5	1.9	2.27	2.59	89	86	SW	3	SW	2	10	10	—	
5	28	26	44.8	47.2	36.7	50.2	1.8	2.1	2.55	2.75	86	86	SW	1	SW	3	0	10	—	
6	30.28	30.20	46.9	43.2	42.0	49.2	2.0	2.0	2.74	2.36	86	85	SW	2	SW	2	10	10	—	
7	29.98	29.90	41.0	40.4	38.8	52.1	1.5	1.0	2.25	2.30	88	92	S	3	SW	5	10	0	0.10	∞
8	29.95	29.83	48.0	51.1	39.1	53.3	0.7	3.6	3.17	2.87	95	76	SW	2	SW	8	10	10	—	☼ (gale) at night.
9	30.08	30.08	53.2	53.0	49.8	59.0	2.0	2.9	3.49	3.35	86	81	SW	7	SW	7	10	10	—	☼ (gale) all day.
10	30.20	29.49	52.6	44.4	44.0	61.4	2.5	1.3	3.32	2.62	83	89	WSW	5	W	1	10	0	—	
11	51	39	49.6	49.0	43.4	55.7	0.9	1.8	3.32	3.03	94	87	SW	3	SW	5	10	10	—	Gloomy, with ☼.
12	38	31	46.0	45.7	41.9	57.0	1.1	1.2	2.85	2.90	92	92	SW	3	SW	5	10	10	—	☼ a.
13	18	29	46.3	42.3	38.8	53.6	2.2	1.9	2.63	2.30	85	86	WSW	5	NW	2	10	10	—	Fine day.
14	40	30.26	38.4	38.3	34.0	48.7	0.7	1.4	2.18	2.03	94	88	Calm	0	WSW	1	10	7	—	Fine day.
15	30.01	29.91	42.4	47.7	34.8	50.8	2.2	2.1	2.25	2.81	83	85	SW	5	NW	4	10	10	0.08	☼ <sup>0</sup> at night.
16	29.91	30.07	46.4	41.3	40.2	48.4	1.9	0.6	2.71	2.47	87	96	NW	2	N	1	10	10	1.07	☼ 1 p.-7 p.
17	30.29	30.50	37.2	34.3	33.9	45.3	0.4	1.6	2.14	1.67	96	84	N	1	E	1	0	3	—	☼ a. Clear till 1 p.
18	54	48	32.2	31.1	25.6	48.0	1.2	0.9	1.55	1.52	85	86	ESE	1	SW	1	5	0	—	☼ a. Fine and sunny.
19	46	34	30.1	35.0	24.8	49.0	0.4	1.7	1.56	1.70	94	83	SW	1	S	4	0	0	—	☼ a. Clear and sunny.
20	19	09	43.8	48.8	33.0	61.0	1.6	3.5	2.50	2.64	88	76	S	5	SW	7	10	10	—	
21	30.27	30.08	50.8	53.6	46.9	60.0	2.6	2.8	3.06	3.35	82	81	SW	3	SW	9	10	10	—	Sunny a. ☼ (gale) n.
22	29.95	30.01	55.8	45.2	44.0	58.3	4.4	3.2	3.29	2.31	73	77	SW	7	SW	5	10	10	0.09	☼ (gale) nearly all day.
23	97	29.54	45.4	55.3	40.6	56.0	1.5	2.6	2.69	3.64	89	83	S	3	SW	7	10	10	0.06	☼ (gale) nearly all day.
24	78	44.5	37.9	36.6	56.4	4.4	3.5	2.03	1.65	69	72	SW	6	SW	7	10	0	—	☼ a. Fine and sunny.	
25	84	46	40.6	48.8	29.7	50.1	1.9	3.0	2.14	2.75	86	80	S	5	SW	9	10	10	1.74	☼ a. Fine and sunny.
26	63	63	44.2	44.2	40.1	55.0	2.4	2.4	2.38	2.38	82	82	SW	5	SW	5	0	0	1.89	☼ (gale). Sunny day.
27	51	75	42.6	41.0	37.3	49.0	2.6	2.7	2.19	2.03	81	79	SW	7	SW	4	9	10	0.56	☼ (gale) a. and n.
28	33	37	50.0	42.2	39.2	54.1	5.6	1.3	2.34	2.41	65	90	SW	8	SW	1	3	10	—	☼ (gale) till midday.
28	29.34	29.72	38.5	40.5	37.1	45.2	0.7	2.5	2.19	2.02	94	80	Calm	0	SW	4	10	0	—	Gloomy, with ☼☼☼ (mist).
Mean	30.003	30.015	43.1	43.3	37.2	52.3	2.0	2.1	2.47	2.41	85.5	84.0		3.6	4.0	7.4	6.1	0.559		



## SOUTHAMPTON.—FEBRUARY 1903.

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. at Station Level.		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 Pressure.	Percentage.										
							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	34.2	34.0	48.6	0.9	1.0	209	178	81	89	SW	4	SW	3.5	8	0	ins.	☉ (force 7) early a. Δ ~ p.
2	29.33	29.34	37.9	34.2	34.0	48.6	0.9	1.0	209	178	81	89	NW	4	NW	4	0	3	0.012	Fine and bright. Δ ~ p.
3	29.86	30.21	35.1	35.7	32.1	45.1	1.9	2.0	167	173	81	83	SW	4	W	3	10	10	0.005	Dull, with Δ ~ p. (mist).
4	30.29	34	41.5	46.5	33.5	50.3	0.8	1.5	245	281	94	89	SW	4	W	3	10	10	0.010	Dull and overcast.
5	36	34	46.4	45.9	45.5	49.5	1.6	0.7	278	292	89	95	SW	3	SW	3.5	10	10	—	Dull and overcast.
6	33	30.23	46.1	42.9	42.7	47.7	1.4	1.6	279	242	90	87	SW	3.5	SE	3.5	10	3	—	Dull and overcast.
7	01	29.98	42.5	45.4	40.6	46.7	1.3	0.9	243	283	90	94	SE	4	S	3.5	3	10	0.003	☉ a. Bright intervals.
8	01	30.03	48.5	50.1	45.0	51.1	0.9	1.2	319	331	93	91	SW	4	SW	5	10	10	—	☉ (force 7) in afternoon.
9	12	22	50.6	51.6	49.7	52.1	0.9	1.2	346	350	94	92	SW	4	SW	4	10	10	—	Dull and overcast.
10	35	54	51.0	50.3	49.8	55.1	1.2	0.9	343	342	92	94	SW	3.5	NW	3	10	10	0.010	Dull and overcast.
11	59	52	47.9	49.0	47.0	53.4	0.9	1.5	310	310	94	90	SW	3	SW	4	10	10	—	Fine, but cloudy.
12	50	40	47.5	47.1	47.0	54.0	0.8	0.8	309	305	94	94	SW	3	SW	3	10	10	—	Dull a. Bright p.
13	30	32	45.9	46.4	44.6	53.2	1.7	2.9	271	251	89	81	WNW	4	N	3	10	6	—	Fine day. ☉ p.
14	42	34	37.2	38.9	35.1	51.1	0.4	1.4	214	210	96	90	NE	3	NW	3	10	3	—	☉ a. Sunny day. ☉
15	16	05	42.1	45.4	35.1	51.2	1.2	1.9	242	260	90	87	W	3	NW	3	10	10	—	Fine, but cloudy.
16	01	08	45.1	46.9	44.2	50.4	2.1	1.9	252	276	84	87	NW	3.5	NW	3	10	10	0.020	Fine, but cloudy.
17	25	48	41.5	42.4	40.8	47.6	0.5	2.2	225	225	96	83	SE	4	SE	4	10	10	0.030	☉ 8a-11a. Dull day.
18	57	51	41.6	35.2	35.2	47.8	3.6	1.4	193	179	74	87	S	4	SE	3.5	10	0	—	Fine and sunny. Δ ~ p.
19	46	39	37.3	41.2	28.3	50.6	1.1	1.9	201	219	91	85	SE	3.5	SE	3	1	0	—	☉ a. Sunny day. Δ ~ p.
20	30	22	47.6	48.3	40.0	55.4	1.4	1.8	295	294	90	88	SW	4	SW	4	10	3	—	Fine and sunny.
21	35	24	51.8	50.8	48.1	61.3	1.3	0.9	351	349	91	93	SW	3.5	SW	5	10	10	0.012	Bright a. ☉ p.
22	10	30.13	51.6	47.8	47.7	54.4	1.7	3.3	338	256	88	78	SW	5.5	SW	4	10	0	0.060	☉ (force 7) p. ☉ 5 p.
23	30.01	29.69	48.7	52.0	44.2	53.4	0.6	0.9	327	364	95	94	SW	4	SW	6	10	10	0.490	☉ (force 7) most of day.
24	07	93	45.2	38.1	38.0	52.8	2.4	2.1	247	189	83	82	SW	4.5	SW	4	10	0	0.045	till 5a. ☉ showers.
25	90	54	46.4	49.3	36.0	50.2	2.4	2.6	260	288	83	82	SW	5	SW	7.5	10	10	0.190	☉ 2 (force 9) p.
26	75	65	48.8	48.1	44.5	53.4	3.7	3.0	259	264	75	79	SW	4	SW	5.5	5	0	1.00	Bright, with ☉.
27	68	76	45.9	46.6	42.2	51.8	4.4	3.1	218	248	70	79	WSW	4	SW	5	3	5	0.320	☉ (force 7) n. Bright day.
28	47	47	50.0	44.9	44.5	51.2	3.8	0.9	269	276	75	93	SW	5	SW	3	10	10	0.580	☉ (force 10) in past n.
29	39	29.84	38.4	40.4	37.5	48.4	0.9	1.9	214	213	93	85	NW	4	NW	4	10	0	0.030	till 11a.
Mean	30.092	30.097	45.0	45.1	41.2	51.4	1.6	1.7	266	266	88.1	87.5	3.9	3.9	8.6	6.2	1.917			

## PLYMOUTH.—FEBRUARY 1903.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +0.015 in.

1	29.32	29.34	39.0	38.2	36.7	48.4	1.6	1.6	207	199	87	87	W	5	NW	3	8	0	0.07	● showers. Sunny intervals.
2	29.90	30.22	40.9	39.1	36.3	45.1	3.3	1.7	192	206	76	86	N	4	Calm	0	2	2	0.02	✱● (sleet) showers. Sunny day.
3	30.27	31	46.8	47.0	34.0	50.6	0.0	0.3	321	316	100	98	W	2	W	3	10	9	0.03	● showers.
4	31	28	46.9	47.8	46.3	48.6	0.2	1.5	316	296	99	89	WSW	3	SW	3	9	10	0.03	Overcast, with ● showers.
5	30.24	30.09	48.2	45.6	45.0	48.7	2.2	2.4	283	252	85	82	SW	4	S	5	10	10	—	Overcast and unsettled.
6	29.89	29.87	47.8	49.3	44.2	50.8	1.1	0.5	306	339	92	97	SSW	5	SW	4	9	10	0.07	Bright intervals p. ● n.
7	29.92	30.01	49.7	50.1	48.9	51.3	0.5	0.9	341	338	95	93	SW	5	SW	6	10	10	0.04	Overcast, with ● showers.
8	30.10	22	50.0	50.0	49.4	50.7	0.1	0.1	358	358	99	99	WSW	6	SW	5	10	10	0.09	Overcast, with ●.
9	35	51	49.8	49.2	47.6	51.2	0.1	0.3	356	342	99	98	W	3	W	4	10	10	0.03	Overcast, with ● showers.
10	53	50	50.2	49.1	48.8	50.7	0.6	0.9	348	326	96	93	SW	3	SW	4	10	10	—	Fine, but overcast.
11	47	39	47.3	46.7	46.2	49.1	0.4	1.1	317	293	97	92	WSW	3	WSW	1	10	10	—	Overcast and unsettled.
12	30	29	47.4	48.3	46.2	53.1	1.4	1.4	293	304	90	90	NW	2	NNE	3	10	9	0.01	Fine day.
13	38	35	42.3	42.2	38.8	52.2	2.1	2.2	226	223	84	84	Calm	0	N	1	0	0	—	Bright and sunny.
14	18	10	41.6	45.8	34.0	47.2	0.8	3.3	247	237	94	78	Calm	0	NW	4	10	10	—	Fine, but cloudy.
15	04	09	45.3	44.8	44.5	46.6	3.0	3.0	237	232	78	79	N	2	NW	2	10	10	—	Fine, but cloudy.
16	19	36	44.0	45.5	42.3	50.9	2.2	2.2	240	255	83	84	NNE	1	S	3	10	6	—	Fine day.
17	42	40	45.0	37.2	37.0	47.5	2.2	2.2	249	180	84	81	SSE	6	E	4	9	0	—	Cloudy a. Sunny p.
18	32	30	41.0	48.6	35.8	50.0	2.6	2.3	204	282	80	83	SE	3	SSE	4	1	10	—	Fine and sunny.
19	23	16	50.7	50.9	47.9	53.0	1.1	2.2	342	318	92	86	SW	4	SW	5	9	10	0.01	Fine and sunny.
20	31	17	51.0	50.2	49.3	51.7	0.4	0.1	364	359	97	99	W	3	WSW	5	10	10	0.02	Overcast and squally, with ●
21	30.03	30.15	52.0	48.0	47.6	52.9	1.7	1.7	343	292	88	88	SW	6	W	3	10	0	0.07	● showers p.
22	29.91	29.65	51.1	49.8	47.0	51.9	0.1	0.9	373	335	99	93	SW	7	NW	7	10	9	0.21	● all day.
23	67	93	44.0	36.9	36.0	49.9	3.0	1.2	224	196	77	90	W	5	Calm	0	4	6	0.07	● showers. ✱ n. Rough sea.
24	74	43	49.0	44.5	35.0	50.1	2.9	0.6	278	280	80	95	SW	8	W	3	10	10	0.30	● (gale) ● showers.
25	63	43	46.6	49.8	39.5	50.9	2.7	2.5	256	295	81	83	SW	8	S	8	2	10	0.32	Stormy day. <● n.
26	64	56	44.0	49.0	40.6	49.8	4.3	2.0	200	269	69	86	W	6	S	8	0	10	0.23	Sunny day. (gale) n.
27	43	33	49.1	43.7	43.0	51.0	2.7	0.7	284	269	81	94	WSW	4	ESE	2	10	10	0.28	● (gale) till 2 a. ● p.
28	29.43	29.61	45.0	45.8	34.8	49.2	2.5	0.5	243	297	82	96	N	1	SSW	4	10	6	0.21	● showers a. Sunny p.
Mean	30.040	30.037	46.6	46.2	42.2	50.1	1.6	1.4	284	283	88.0	89.4	3.9		3.7	8.0	7.8	2.11		

## ARMAGH.—FEBRUARY 1903.

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. at Station Level.		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.	Mid.	Max.	Dep. of Wet.		Vapour Pressure.		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.					
ins.	ins.								in.	in.	%	%					ins.
1	28.92	29.33	33.3	32.0	32.0	43.6	0.7	0.8	.176	.162	92	89	WSW 3	NW 2	0	6	.124
2	29.96	.94	35.1	43.6	31.8	47.0	1.5	2.6	.175	.228	85	80	WSW 1	SW 3	7	10	.024
3	.97	.95	46.0	46.1	41.0	49.0	1.0	2.5	.287	.256	93	82	SW 3	SW 4	10	10	—
4	.85	.83	48.4	48.6	45.7	50.8	1.6	0.8	.300	.323	89	95	SW 4	SW 4	10	10	.025
5	.85	.69	48.1	46.3	46.3	50.0	0.5	3.0	.324	.247	96	79	SSW 3	SSW 3	10	10	—
6	.32	.55	47.4	38.3	38.3	51.9	3.8	1.7	.241	.198	75	86	S 6	SW 3	9	10	.043
7	.29	.35	44.0	51.4	38.0	53.0	1.0	0.3	.205	.371	92	98	SSW 5	SW 5	10	10	.045
8	29.54	29.78	52.5	51.8	51.3	53.7	0.7	0.6	.376	.370	95	95	SW 4	SW 4	10	10	.033
9	30.07	30.16	48.0	52.4	46.0	56.0	1.4	2.0	.299	.349	90	87	SW 3	SSW 3	10	10	—
10	.05	.04	52.1	50.0	48.7	54.2	2.7	1.8	.319	.314	81	87	SW 6	SW 3	10	10	.132
11	.16	.07	46.6	47.1	46.5	54.8	0.1	0.3	.316	.317	100	98	SW 3	SW 3	10	10	.018
12	.12	.26	45.4	40.0	40.0	51.4	1.6	3.4	.267	.182	89	73	NW 1	NW 1	0	7	—
13	30.26	30.09	39.6	44.2	38.0	47.0	0.3	0.4	.238	.281	97	97	SW 2	SW 1	9	10	.056
14	29.94	29.89	47.6	44.5	43.9	48.2	1.3	1.3	.298	.261	91	90	W 2	WSW 1	10	10	.003
15	29.88	29.96	45.4	45.3	42.0	53.7	0.8	1.0	.285	.279	95	92	W 1	WNW 1	7	10	—
16	30.07	30.17	44.6	40.4	40.4	54.0	1.0	1.6	.272	.218	93	87	SE 2	S 3	10	0	—
17	.14	30.11	46.5	46.1	40.2	52.1	1.9	2.9	.272	.247	86	79	S 3	S 3	7	7	—
18	30.02	29.79	41.6	45.8	41.0	49.9	2.0	3.0	.222	.243	85	80	SSW 4	SSW 3	10	10	—
19	29.55	.50	54.6	50.0	45.0	56.2	3.8	1.0	.324	.334	77	93	SSW 6	SW 4	10	10	.218
20	.94	.49	43.6	50.1	40.5	52.5	2.0	2.0	.241	.311	85	86	SSW 2	SW 5	0	10	.275
21	.48	.68	42.0	39.6	39.6	54.2	0.5	2.8	.256	.190	96	78	SW 3	SW 4	10	7	.158
22	.39	.14	42.6	39.3	39.0	54.0	0.6	4.1	.260	.165	95	69	S 3	SW 4	10	6	.020
23	29.19	29.49	34.6	33.0	33.0	40.2	1.5	0.5	.171	.177	85	94	SW 3	SW 3	4	2	.165
24	28.95	28.90	47.4	37.3	31.4	48.2	1.6	2.6	.288	.175	89	79	SSW 5	SSW 4	10	4	.357
25	29.12	28.77	38.3	40.2	33.0	44.8	1.9	3.4	.194	.184	84	74	SSW 4	SE 4	10	10	.105
26	29.18	29.00	36.6	39.3	33.8	44.6	0.6	2.3	.205	.196	95	82	SW 4	S 6	7	10	.718
27	28.83	.17	41.1	32.4	32.4	49.0	2.7	1.8	.203	.145	79	79	W 4	SSW 1	4	0	.030
28	29.19	29.35	38.1	35.6	29.4	43.8	2.0	2.2	.191	.160	83	79	S 3	SSW 3	10	3	.260
Mean	29.651	29.656	44.0	43.2	39.6	50.3	1.5	1.9	.259	.246	89.0	85.3	3.3	3.1	7.6	7.9	2.804



## DUBLIN (PHENIX PARK).—FEBRUARY 1903.

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. at Station Level.		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 Pressure.		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.	33.2	34.1	31.9	42.9	1.4	1.7	1.63	1.63	84	82	WSW 2	NW 1	5	2	ins.	Cloudy day. ✕ a and p.
2	29.07	29.41	33.2	34.1	31.9	42.9	1.4	1.7	1.63	1.63	84	82	WSW 2	NW 1	5	2	.047	Fine day.
3	29.94	30.06	35.3	43.2	31.4	44.5	1.8	1.6	1.72	245	83	88	W 1	W 1	5	10	.015	— Cloudy day.
4	30.08	30.08	45.8	45.9	42.7	48.7	1.1	2.0	2.84	265	93	86	W 1	SW 1	7	8	—	Cloudy day.
5	29.02	29.97	48.7	49.3	45.1	51.4	2.2	1.8	2.91	306	85	88	SW 3	SW 2	8	9	.050	Cloudy day. ☉ showers p.
6	29.98	.81	48.1	48.6	46.0	50.0	2.0	3.9	2.86	252	86	73	SW 2	S 2	4	7	—	Cloudy day.
7	.54	.71	49.2	42.0	41.2	53.2	4.6	2.6	2.45	214	70	81	S 1	S 1	7	8	.100	Cloudy, with ☉ showers. ☉ 3p.
8	.51	.52	45.7	55.2	39.1	55.7	2.0	2.6	2.62	363	86	84	SW 5	WSW 4	10	10	.058	☉ a. Dull and squally.
9	29.69	29.88	54.4	53.1	52.7	57.2	2.5	1.3	3.53	368	83	91	WSW 4	SW 2	7	10	.013	☉ a. Cloudy day.
10	30.16	30.29	51.4	52.5	49.9	55.1	2.1	1.2	3.26	362	86	91	W 1	SSW 1	6	9	—	Fine, but cloudy.
11	.22	.20	52.6	51.6	49.2	56.3	3.0	2.4	3.18	320	80	83	SW 3	WSW 2	7	8	—	Fine, but cloudy.
12	.25	.18	50.0	49.5	49.0	52.3	1.7	2.1	3.17	302	88	86	SW 2	Calm 0	10	10	.024	Dull and cloudy.
13	.18	.33	49.1	41.4	40.9	50.4	0.5	1.6	3.37	228	96	88	NE 1	Calm 0	10	10	.005	Cloudy day.
14	.36	.21	38.6	43.8	36.0	48.1	1.0	1.6	2.15	250	92	88	Calm 0	W 3	4	9	.005	Fine, but cloudy.
15	30.06	.00	45.2	45.2	42.2	48.4	1.5	2.5	2.66	245	89	82	W 1	W 1	9	10	.003	Dull day.
16	29.97	.03	43.5	45.1	42.4	48.3	1.0	1.7	2.60	261	92	87	W 1	Calm 0	10	8	—	Cloudy day.
17	30.14	.25	42.1	42.5	39.4	50.6	0.6	3.1	2.55	209	95	77	Calm 0	S 1	7	6	—	Fine, but cloudy.
18	.25	30.23	49.4	47.0	41.7	51.9	4.3	2.3	2.53	268	72	84	S 1	S 1	5	4	—	Fine, but cloudy.
19	30.15	29.98	41.8	48.2	33.7	48.5	3.0	2.8	2.05	270	79	81	Calm 0	SW 2	5	4	—	Fine, but cloudy.
20	29.74	.68	53.2	52.2	47.2	57.3	3.6	1.4	3.11	353	77	91	SW 5	SW 4	8	9	.125	Cloudy and squally. ☉ 11p.
21	30.09	.65	47.1	52.6	43.6	56.2	3.7	1.7	2.40	350	74	88	W 2	SW 4	4	10	.128	Fine, but cloudy. ☉ 9p-11p.
22	29.59	.82	49.9	42.9	42.4	53.4	1.5	2.2	3.20	230	90	84	SW 2	SW 2	10	3	.475	Dull, with ☉ a.
23	.54	.31	43.5	43.5	41.6	55.5	0.1	2.4	2.80	231	99	81	Calm 0	SW 2	10	0	.050	☉ 4a.-9a. Overcast day.
24	.35	.63	35.4	34.6	33.0	43.6	1.3	1.6	1.82	209	88	84	SW 3	SW 1	7	0	.040	✕ a. Bright intervals.
25	.11	29.06	48.3	41.2	32.0	50.5	2.6	3.0	2.76	200	82	77	SSW 6	SW 2	7	3	.315	☉ a. (gale) p.
26	.27	28.93	41.0	42.4	35.1	48.8	3.4	1.4	1.90	241	74	89	SW 3	SSW 3	5	8	.165	☉ showers a. ☉ 2 p.
27	.34	28.93	37.0	43.1	33.6	45.0	1.8	1.2	1.86	252	85	90	SW 2	SSE 4	2	9	.235	(gale) a. ☉ 2 showers p.
28	.06	29.25	42.3	32.4	31.9	51.7	0.1	0.2	2.67	180	100	98	W 4	Calm 0	3	3	—	Fine day.
29	29.27	29.49	36.6	40.1	25.3	45.1	1.2	0.3	1.94	242	90	97	Calm 0	SW 2	7	1	.235	☉ showers a. Fine p.
Mean	29.783	29.782	44.9	45.1	40.0	50.7	2.0	1.9	2.59	262	85.6	85.7	2.0	1.8	6.8	6.5	2.088	

## BIRN CASTLE.—FEBRUARY 1903.

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	29.10	29.47	33.0	33.6	30.9	47.0	0.5	1.5	1.77	162	94	84	WSW 2	W 2	10	5	0.80	* showers.
2	29.96	30.04	35.2	44.7	31.6	46.1	1.6	0.9	1.75	275	85	93	SE 1	SW 1	5	10	0.15	Fine day.
3	30.09	30.05	45.2	46.6	43.5	49.6	0.4	1.9	2.92	273	97	87	WSW 1	SE 1	10	10	—	Overcast, with * showers.
4	29.95	29.93	48.2	48.7	45.8	51.4	1.5	0.9	3.01	322	90	94	E 1	SSW 1	7	10	0.85	Overcast, with * showers.
5	29.92	29.72	47.7	48.0	41.3	50.0	1.5	2.5	2.94	274	89	83	S 1	S 4	8	10	—	Fine, but overcast.
6	29.39	29.66	49.0	39.2	36.9	51.9	3.1	1.3	2.74	214	78	89	SE 3	E 1	7	10	0.06	Cloudy, with * showers.
7	29.45	29.55	46.2	53.4	38.1	54.3	2.3	1.2	2.61	376	84	91	WNW 6	W 5	10	10	0.41	Overcast, with * showers.
8	29.72	29.85	53.7	52.9	49.4	56.2	1.8	1.2	3.62	367	88	92	W 5	SW 3	10	10	0.48	Cloudy day. * n.
9	30.14	30.24	50.2	51.7	49.2	54.2	0.9	2.0	3.40	332	94	87	SW 2	SE 1	10	10	—	Gloomy, with * (mist).
10	29.18	29.18	52.7	51.2	49.2	57.0	3.3	1.3	3.12	343	78	91	SSW 4	SW 2	7	10	0.07	Cloudy day.
11	29.23	29.17	49.2	48.7	47.3	52.3	1.9	2.2	3.03	291	87	85	SSW 1	SW 1	7	10	0.08	Cloudy day.
12	29.17	29.32	48.7	40.5	38.7	52.2	0.2	1.3	3.40	224	99	90	NE 2	E 1	10	4	0.10	Overcast, with * (mist).
13	29.35	29.22	34.0	42.9	29.6	48.2	0.2	1.4	1.92	246	98	89	E 1	SE 1	3	9	0.18	Fine and sunny.
14	30.08	29.00	44.7	43.7	40.5	46.2	1.2	0.9	2.69	265	91	92	SW 3	SW 1	10	10	0.12	Overcast, with * (mist) p.
15	29.97	29.00	42.2	43.7	40.0	47.7	0.1	1.5	2.67	251	99	88	SW 1	SW 2	4	10	—	Fine, but cloudy.
16	30.07	29.17	43.6	43.3	41.5	50.0	2.9	1.4	2.22	250	78	90	E 2	E 4	10	9	—	Fine day.
17	29.18	29.16	48.4	47.5	42.1	52.8	2.4	1.7	2.81	287	83	88	ESE 1	SE 2	2	9	—	Fine and sunny.
18	30.07	29.95	43.2	48.7	40.4	49.9	2.3	2.7	2.30	279	82	81	SE 2	SE 4	6	10	—	Fine, but cloudy.
19	29.70	29.65	54.0	51.7	48.1	54.0	3.6	1.9	3.20	334	76	88	SSW 6	WSW 5	10	10	1.20	Overcast, with * showers.
20	30.00	29.67	44.7	51.9	39.6	56.7	2.1	0.5	2.49	367	85	97	SE 1	W 6	4	10	1.70	Overcast, with * n.
21	29.57	29.83	48.2	43.2	39.5	56.7	1.0	1.8	3.12	240	93	86	W 6	SW 4	10	2	0.58	Squally, with * showers.
22	29.42	29.31	45.3	41.2	38.0	54.7	0.4	1.8	2.94	221	97	86	SE 3	SW 4	7	7	1.46	* showers.
23	29.33	29.60	34.0	33.7	31.6	46.5	0.9	0.7	1.78	180	90	92	W 3	SW 2	9	3	1.50	Cloudy with * showers.
24	29.03	29.01	48.2	38.7	32.7	48.2	1.7	2.5	2.95	188	89	81	SE 6	SW 5	10	6	3.70	* showers. < n.
25	29.19	29.97	38.7	36.0	32.3	48.0	1.5	1.2	2.06	189	88	89	SW 5	W 6	7	7	2.80	* showers.
26	29.34	29.69	37.0	43.7	35.3	48.1	1.6	1.1	1.89	260	86	91	WSW 3	SE 8	3	10	4.00	* showers.
27	29.10	29.22	41.2	34.1	29.5	47.3	2.7	1.2	2.05	173	80	87	E 3	SE 2	7	3	1.35	(gale) a. * showers.
28	29.26	29.41	33.7	39.5	29.8	44.0	0.2	2.6	1.90	192	98	79	SW 1	SE 2	8	6	5.00	* showers a.
Mean	29.748	29.752	44.3	44.4	39.0	50.8	1.6	1.5	2.62	264	88.4	88.2	2.7	2.9	7.5	8.2	3.237	

## DEERNES.—MARCH 1903.

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. at Station Level.		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 Pressure.		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.	
1	ins.	ins.	41.0	38.7	37.0	42.8	1.5	1.7	2.25	202	88	86	SSE 8	SW 3	10	5	ins.	↗ (gale) a. ∞. Muggy p.
2	28.74	28.65	33.0	33.8	31.6	40.0	0.3	1.8	1.81	158	96	81	SSW 5	SE 1	10	0	0.025	☼☼ a.
3	29.96	29.33	37.3	36.0	32.5	39.3	0.7	4.0	2.09	142	94	66	N 5	W 1	9	10	—	
4	28.88	28.93	40.7	38.0	34.8	42.8	1.0	2.0	2.33	190	92	83	S 6	SW 6	10	2	0.07	
5	29.07	29.19	35.5	36.3	34.0	41.0	0.5	1.3	1.98	190	95	89	SW 6	SW 7	5	0	—	▲ showers a. ↗ (gale).
6	29.25	29.43	38.3	37.2	32.2	41.8	1.8	1.4	1.96	194	85	87	SW 7	WSW 6	2	1	0.22	↗ (gale). ☼▲ showers all day.
7	29.49	29.60	39.0	37.1	34.0	40.0	1.3	2.0	2.12	183	90	83	SSW 5	S 1	8	3	—	Fine day.
8	29.82	29.65	41.0	42.2	34.2	42.6	3.0	2.2	1.97	223	77	84	SW 3	S 7	5	10	—	Fine day. ↗ (gale) p.
9	29.37	29.43	43.2	40.1	39.7	43.8	1.0	1.1	2.57	223	92	91	S 8	SSW 5	10	5	—	↗ (gale) * a. Fine p.
10	29.44	29.41	40.0	40.3	36.7	43.8	2.4	1.3	2.00	223	81	90	SW 5	SSW 5	0	0	—	Very fine day.
11	29.34	29.36	44.0	44.0	39.8	47.2	2.0	2.0	2.44	244	84	84	SSW 6	SSE 5	1	8	—	Marbled sky a. Fine day.
12	29.35	29.51	42.8	41.3	40.4	44.8	3.0	2.0	2.13	219	78	84	SSW 4	SSW 2	7	9	—	
13	29.44	29.58	41.0	38.0	37.4	46.0	1.6	2.0	2.23	190	87	83	SSW 4	SW 5	7	1	0.17	Fine day.
14	29.79	29.85	39.0	38.6	34.2	44.6	2.0	2.1	1.99	194	84	83	W 4	Calm 0	5	3	—	Very fine day.
15	29.64	29.38	41.0	42.0	38.0	42.0	3.0	0.6	1.97	254	77	95	SE 6	SE 5	1	1	0.03	☼ a. 9 p.
16	29.27	29.11	42.0	40.0	38.2	44.0	1.9	1.0	2.27	226	86	92	SSE 6	S 3	8	8	0.10	☼ showers p.
17	28.95	29.04	43.0	38.8	36.8	43.3	1.6	1.7	2.42	203	87	86	S 8	SSW 3	3	3	0.16	↗ (gale) a. ☼ 10 a. -4 p.
18	29.09	29.04	37.2	41.8	34.0	43.6	2.2	3.3	1.80	219	81	83	SW 4	S 7	0	0	0.165	Cold and dry. ↗ (gale) p. [ $\leq$ 9 p.
19	29.01	29.12	38.0	37.4	35.6	43.6	1.0	0.6	2.08	212	91	95	SW 7	SW 4	4	4	0.155	↗ (gale) ☼ showers a. ☼ after 8 p.
20	29.26	29.48	38.7	37.0	34.0	43.0	2.7	1.8	1.84	186	79	85	SW 7	SW 4	8	8	0.06	↗ (gale) ☼ showers a. Cold and dry p.
21	29.33	29.02	41.5	47.3	36.0	47.4	0.5	1.8	2.51	283	96	88	S 5	S 7	10	10	0.14	☼ showers a. ☼ 6 p. -8 p.
22	29.15	29.14	44.3	41.8	40.2	48.2	3.0	0.8	2.27	209	77	79	SW 4	SW 5	4	1	—	[(gale) p.
23	29.01	28.98	43.0	40.5	39.0	45.0	2.0	0.7	2.34	237	84	94	SSW 6	W 4	10	4	0.40	
24	29.25	29.28	39.0	43.0	33.5	43.3	1.2	1.8	2.14	238	90	86	W 2	SE 5	4	10	—	☼ till 7 a., then very fine.
25	28.89	28.79	43.8	45.0	42.2	46.0	1.4	1.3	2.55	268	89	90	SSE 9	S 4	10	10	—	↗ (gale) a. Overcast and muggy.
26	29.83	29.78	46.0	43.7	41.0	47.4	2.0	1.6	2.65	249	86	87	S 4	S 4	2	10	—	
27	29.89	29.99	44.8	39.2	38.4	46.6	2.6	1.6	2.39	208	81	87	S 5	SW 3	1	0	—	Very fine day.
28	28.69	28.50	42.2	43.0	37.0	46.8	1.0	3.0	2.47	215	92	78	SSE 8	WSW 11	10	2	0.33	☼ 8 a. -2 p. ↗ (73 miles per hour) p.
29	29.01	29.16	41.3	44.0	36.5	46.0	3.3	2.2	1.95	240	75	83	W 9	S 6	8	8	—	↗ (gale) all day.
30	28.94	29.38	42.0	41.0	39.0	45.0	2.0	1.3	2.25	229	85	90	S 4	NW 3	7	10	0.04	☼ a. 9 p.
31	29.85	29.90	41.8	38.5	37.4	45.4	1.8	2.0	2.27	194	86	84	N 5	Calm 0	1	0	—	Very fine day.
Mean	29.191	29.216	40.8	40.2	36.6	44.1	1.8	1.8	2.19	214	86.0	85.7	5.6	4.3	5.8	4.7	2.175	



BRAEMAR.—MARCH 1903.

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. at Station Level.		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 Pressure.		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.	°	°	°	°	°	°	in.	in.	%	%						ins.		
2	28° 23	27° 00	36° 3	33° 6	31° 4	38° 2	1°	1° 8	° 194	° 156	91	81	S	2	W	0° 5	10	° 15	* showers p.	
3	27° 80	27° 57	29° 4	32° 6	27° 2	38° 4	0° 9	1° 8	° 138	° 164	85	88	SW	1	SW	4	8	° 04	* showers p.	
4	27° 98	28° 35	35° 9	30° 0	27° 2	38° 8	0° 8	2° 0	° 196	° 116	93	69	N	4	NW	0° 5	6	° 25		
5	28° 04	° 14	37° 6	33° 9	25° 5	38° 9	1° 8	2° 1	° 191	° 153	84	79	SW	4	SW	0° 5	10	° 45	* p.	
6	° 25	° 37	31° 9	32° 6	29° 3	36° 8	2° 9	1° 1	° 119	° 162	66	87	SW	1	SW	1	5	° 03	Fair a. * p.	
7	° 45	° 56	33° 1	30° 9	26° 0	38° 0	0° 6	0° 4	° 176	° 164	93	94	SW	1	SW	0° 5	6	° 02	* p.	
8	° 61	° 29	33° 3	30° 6	23° 2	37° 3	0° 8	1° 1	° 140	° 153	87	85	SW	0° 5	W	1	7	° 1	Dull.	
9	° 88	° 74	34° 6	38° 4	30° 4	40° 0	1° 1	1° 4	° 179	° 204	90	88	SW	2	SW	10	0	° 10	Fair a. p.	
10	° 42	° 50	41° 6	35° 7	34° 4	44° 0	0° 8	1° 9	° 247	° 175	94	84	SW	6	SW	1	10	° 4	Fair p.	
11	° 53	° 53	36° 6	38° 3	32° 9	42° 8	2° 9	3° 0	° 165	° 175	76	75	SW	2	SW	2	4	° 8	Fine day.	
12	° 43	° 45	40° 3	42° 3	35° 6	45° 0	1° 8	2° 8	° 214	° 213	86	80	SW	2	SW	6	7	° 13	Fine day.	
13	° 41	° 53	38° 9	37° 6	35° 2	42° 3	1° 9	2° 1	° 200	° 186	85	82	SW	4	SW	1	7	° 07	Fair a. p.	
14	° 51	° 69	35° 6	33° 0	32° 0	44° 0	1° 3	1° 5	° 185	° 157	88	83	SW	0° 5	W	0° 5	8	° 2	Fine day.	
15	° 84	° 81	36° 6	38° 2	38° 5	44° 0	4° 8	1° 5	° 135	° 168	63	85	SW	0° 5	NW	0° 5	2	° 0	Fine day.	
16	28° 26	° 23	36° 7	35° 6	33° 4	37° 9	2° 2	2° 6	° 177	° 160	82	76	SW	0° 5	SW	2	8	° 4	° 75	Stormy day.
17	27° 97	° 13	40° 6	35° 1	33° 5	41° 8	1° 1	1° 6	° 230	° 173	91	84	SW	2	SW	2	9	° 8	° 42	Stormy day.
18	28° 17	° 18	34° 6	38° 1	31° 1	39° 0	3° 6	1° 6	° 133	° 198	67	86	SW	2	SW	6	3	° 9	° 86	Stormy day.
19	° 17	° 25	41° 2	40° 8	35° 2	42° 0	4° 5	2° 6	° 174	° 202	67	80	SW	8	SW	8	5	° 10	° 48	Gusty, with p.
20	° 43	° 58	36° 6	36° 2	33° 0	42° 2	2° 4	2° 7	° 173	° 165	80	77	SW	6	SW	2	5	° 3	° 12	* showers.
21	° 40	° 21	43° 9	49° 6	34° 8	50° 0	2° 1	2° 3	° 242	° 298	84	84	SW	4	SW	8	8	° 9	° 27	Stormy and squally.
22	° 27	° 26	40° 9	39° 6	38° 2	50° 0	2° 2	2° 7	° 211	° 192	84	78	SW	6	SW	6	7	° 6	° 09	Dull, with showers.
23	° 12	° 13	35° 8	37° 0	34° 5	40° 3	1° 0	2° 4	° 193	° 175	92	80	SW	0° 5	SW	4	10	° 2	° 03	Dull, with showers.
24	28° 33	28° 27	37° 8	41° 4	32° 4	44° 2	3° 1	3° 0	° 171	° 201	75	78	SW	4	SW	6	5	° 7	° 17	Fair and clear.
25	27° 94	27° 87	41° 6	42° 6	39° 1	47° 8	2° 9	2° 0	° 206	° 231	79	85	SW	6	SW	6	8	° 10	° 45	Dull, with p.
26	27° 88	27° 91	42° 6	39° 1	36° 7	45° 8	2° 8	2° 2	° 215	° 196	80	82	SW	2	SW	6	8	° 3	° 35	Dull and stormy.
27	28° 02	28° 08	39° 6	37° 6	36° 3	44° 3	4° 7	1° 7	° 159	° 193	65	85	SW	4	SW	0° 5	4	° 8	° 24	Dull and stormy.
28	27° 77	27° 89	39° 4	35° 6	33° 8	46° 7	1° 2	2° 6	° 218	° 160	91	76	SW	4	SW	2	10	° 4	° 48	Dull and stormy.
29	28° 31	28° 27	35° 9	41° 6	32° 2	44° 8	1° 6	2° 3	° 182	° 216	86	82	SW	1	SW	4	8	° 3	° 19	Dull and stormy.
30	27° 95	° 43	37° 6	38° 3	33° 2	43° 7	1° 9	2° 9	° 190	° 177	84	76	SW	4	NW	6	8	° 1	° 12	Stormy, with *.
31	28° 86	28° 85	41° 6	37° 6	36° 8	48° 0	2° 9	1° 1	° 206	° 204	79	91	N	2	NW	1	6	° 7	° 02	Fine day.
Mean	28° 274	28° 309	37° 3	37° 0	32° 5	42° 5	2° 1	2° 0	° 184	° 183	81° 9	82° 0		2° 8	3° 2	6° 6	5° 9	6° 96		

LAUDALE.—MARCH 1903.

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	28°55	29°06	43°3	40°2	35°7	44°8	1°6	3°2	*246	*187	88	75	Calm	0	W	3	10	5	*19	✂ *2°2 (sleet) showers.
2	28°51	28°69	36°0	38°3	34°0	40°8	3°0	3°3	*158	*170	74	73	SSE	4	SE	4	10	6	*06	✂ before ga. S. Squally
3	29°26	29°58	38°0	39°9	34°8	45°2	2°0	2°9	*190	*190	83	77	NNW	3	N	2	8	6	*40	Fine and seasonable. [showers.
4	*24	*33	39°9	41°8	38°7	46°0	2°3	4°8	*201	*175	82	67	NW	5	NW	5	7	9	*25	✂ (gale) n. *2°2 (sleet) ▲2°2
5	*42	*55	40°3	39°0	34°0	42°3	4°3	3°5	*170	*173	67	74	NW	5	NW	4	6	10	*39	✂ *2°2 (sleet) *2°2 showers. ✂
6	*64	*75	41°0	40°7	35°0	44°0	3°7	5°7	*185	*151	72	59	NW	4	NW	3	7	4	*15	*2°2 showers.
7	29°71	*88	36°8	34°2	34°0	43°1	1°8	1°2	*184	*174	85	87	NW	1	NW	2	10	9	*12	✂ *2°2 (sleet) *2°2 showers.
8	30°11	*89	37°0	44°3	30°3	45°0	2°0	1°3	*182	*261	83	90	W	1	SW	5	6	10	1:60	* a. Stormy, with *2°2 from 3p.
9	29°61	*69	41°0	40°0	39°0	47°3	1°0	2°0	*235	*207	92	84	SW	1	W	1	10	3	*32	*2°2 till 11p. ☐ p.
10	*73	*65	41°0	43°2	38°0	44°0	2°3	2°2	*210	*232	82	83	SW	2	W	3	6	7	*70	*2°2 showers all day.
11	*58	*51	46°0	47°0	38°0	48°2	3°0	2°0	*244	*275	79	86	W	1	SW	4	10	10	*30	* showers a.
12	*60	*64	43°0	43°3	39°0	47°7	2°0	2°1	*234	*235	84	84	S	1	W	1	10	8	*16	* showers. ▲
13	29°68	*85	43°0	41°8	41°0	47°3	2°3	2°1	*228	*223	82	85	S	2	WNW	2	7	6	*08	▲ showers. ▲
14	30°06	*99	37°0	37°5	32°6	49°0	1°0	3°4	*200	*163	91	72	NW	1	Calm	0	0	0	—	Fine day.
15	29°66	*43	40°3	40°2	32°8	44°0	3°3	2°2	*186	*205	74	83	SE	4	S	1	10	10	*15	▲ at night.
16	*31	*36	41°2	41°0	38°0	44°5	2°3	2°0	*212	*207	82	84	SSE	2	S	1	10	3	1:12	* showers all day.
17	*14	*27	40°0	41°0	38°2	47°0	1°8	4°0	*211	*180	86	70	W	2	NW	3	10	7	*15	✂ (sleet) * all day. <
18	*37	*33	39°0	41°0	37°6	48°0	3°0	2°0	*181	*215	77	84	NW	3	NW	6	2	10	1:42	✂ *2°2 (sleet) *2°2 showers. < n.
19	*40	*45	44°0	44°0	35°0	48°0	5°0	2°0	*197	*244	66	84	NW	4	W	7	10	9	*69	✂ (gale) ▲2°2 showers.
20	*64	*75	42°7	40°7	38°5	46°4	4°5	1°7	*187	*218	68	86	W	4	NW	3	8	7	*65	✂ *2°2 (sleet) *2°2 showers.
21	*55	*29	48°0	47°9	40°7	51°2	0°7	3°9	*317	*244	95	74	W	2	W	3	10	10	*62	*2°2 showers.
22	*41	*44	45°0	45°0	42°0	51°0	2°0	2°8	*253	*237	85	79	W	2	W	2	10	10	*29	* showers.
23	*29	*38	40°0	43°0	38°0	45°3	2°0	3°0	*207	*215	84	78	NW	3	WNW	5	10	10	*73	✂ *2°2 (sleet) showers.
24	29°48	*29	43°2	45°6	35°2	47°0	3°2	3°6	*213	*237	77	75	S	1	S	5	8	10	1:30	✂ *2°2 showers. ✂ *2°2 n.
25	28°05	28°90	47°0	48°0	45°0	52°8	2°0	2°0	*275	*285	86	86	S	5	S	3	10	10	*40	✂ showers.
26	28°06	29°07	46°6	44°0	42°0	48°8	2°6	1°0	*258	*265	82	92	S	4	SW	3	6	10	*32	* showers.
27	29°15	*21	42°8	41°3	38°0	45°8	4°8	2°1	*183	*217	66	84	W	2	W	2	7	10	*85	✂ *2°2 (sleet) ▲ showers all day.
28	28°50	*13	48°0	40°8	39°6	48°9	1°7	3°8	*292	*182	88	71	W	4	W	7	10	10	1:00	✂ *2°2 a. ✂ a. n.
29	29°55	*30	42°0	47°2	38°0	48°8	3°0	2°2	*207	*273	78	85	NW	3	S	4	6	10	*37	* (sleet) ✂ a. n.
30	29°10	*9°6	38°8	45°0	36°0	48°8	1°6	3°0	*205	*233	87	78	W	5	NW	4	6	6	*17	* (sleet) ✂ a. n.
31	30°08	30°02	47°0	43°8	43°0	50°8	2°0	3°1	*275	*220	86	76	N	2	N	1	5	1	*12	Fine and seasonable.
Mean	29°427	29°461	41°9	42°3	37°5	46°9	2°5	2°7	*217	*216	81°0	79°5	2°7		3°2		7°9	7°6	15°27	

DUNDEE.—MARCH 1903.

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

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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°03	28°90	38°8	37°1	33°8	42°6	1°3	1°8	°211	°186	90	84	S	2	SW	1	10	10	°01	Dull day.	
2	28°81	28°48	33°1	35°8	30°7	37°6	1°4	0°9	°160	°195	84	93	NE	1	NE	1	10	10	°10	Dull day.	
3	28°98	29°39	38°1	31°5	30°2	46°0	2°9	1°0	°175	°154	76	86	W	1	NW	1	7	7	°09	Fine day.	
4	29°10	°23	43°1	39°3	28°4	46°2	1°9	1°8	°237	°206	85	86	SW	6	SW	4	10	10	°02	Dull, with showers.	
5	°31	°43	36°1	35°3	33°1	41°2	1°2	1°4	°190	°180	89	87	SW	1	SW	1	7	10	°09	☉ showers.	
6	°52	°63	36°8	34°8	33°2	40°3	1°5	1°3	°190	°176	88	88	SW	2	SW	1	5	5	—	Cloudy day.	
7	°57	°74	33°1	34°9	28°2	41°0	1°3	1°3	°162	°177	85	88	NW	1	SW	1	10	10	°02	Cloudy day.	
8	°95	°88	38°1	41°5	31°2	46°2	2°6	2°3	°164	°215	71	83	SW	1	SW	1	10	10	—	Dull day.	
9	°53	°57	46°5	39°8	38°5	49°2	2°6	1°3	°357	°219	82	90	S	2	SW	1	10	10	°06	Dull day. ☉ 3p.	
10	°61	°57	38°5	38°5	34°4	47°0	1°7	1°6	°200	°201	86	87	SW	1	SW	1	5	10	—	∞	
11	°52	°50	44°3	43°4	37°4	50°0	2°1	2°0	°245	°238	84	84	SW	1	SW	1	5	10	°01	∞	
12	°50	°56	42°4	40°3	39°2	45°2	1°5	1°1	°239	°227	88	92	SW	1	SW	1	10	10	°14	Dull day. ☉ from 4p.	
13	°57	°71	38°3	39°4	37°0	45°2	1°1	2°6	°209	°191	91	80	SW	1	SE	1	10	5	—	Dull day.	
14	°91	°86	39°1	34°8	31°9	50°3	3°6	1°6	°172	°170	73	84	NW	1	SE	1	7	5	°01	Fine day.	
15	°60	°36	37°9	40°6	32°9	40°8	1°2	1°4	°205	°223	90	89	NE	1	SE	1	10	10	°05	Dull, with ☉.	
16	°24	°27	39°3	39°6	33°2	42°0	1°4	2°5	°213	°195	89	80	SE	2	SW	1	10	5	°27	☉ n. and till 7a.	
17	°08	°16	45°4	41°6	36°8	46°5	2°5	2°9	°248	°206	82	79	S	6	SW	1	10	10	°14	☉ till 1p.	
18	°21	°30	37°1	42°8	34°2	46°1	2°1	2°8	°181	°217	82	79	NW	2	SW	6	5	10	°07	Dull from 1p.	
19	°27	°33	44°8	46°8	41°6	50°0	2°9	3°6	°234	°239	79	75	SW	2	SW	6	7	10	°16	Dull, with ☉ showers.	
20	°50	°66	43°5	40°3	38°2	47°8	2°2	1°3	°235	°233	82	90	SW	1	SW	1	5	10	°08	☉ showers.	
21	°48	°31	47°3	50°8	38°9	52°3	1°8	2°8	°283	°301	88	81	SW	2	SW	6	10	10	°05	Dull day.	
22	°33	°32	44°8	43°8	43°0	54°6	1°6	1°8	°260	°246	88	86	SW	1	SW	2	10	10	°29	☉ showers till 3p.	
23	°13	°19	39°5	40°1	37°2	44°7	0°8	2°9	°224	°192	93	77	NE	1	NW	2	10	7	°11	☉ n. and till 1p.	
24	29°37	29°33	41°1	43°0	34°8	49°3	2°5	2°5	°207	°225	80	81	W	2	SW	2	7	10	°02	Cloud and sunshine.	
25	28°99	28°88	44°5	44°9	40°8	53°7	2°5	1°4	°238	°266	81	90	SE	4	SW	2	10	10	°22	☉ n. and from 7p.	
26	29°04	29°06	47°8	43°3	40°4	48°6	2°6	2°3	°270	°231	81	82	SW	1	SW	4	10	10	°10	☉ showers. T 1p.	
27	29°09	29°13	42°9	42°8	39°6	48°9	2°5	2°2	°224	°229	82	83	S	1	SW	1	10	7	°05	☉ n. Cloudy day.	
28	28°86	28°95	42°6	37°8	36°4	50°7	1°3	1°8	°245	°192	89	85	SE	2	W	6	10	7	°16	☉ till 1p. ☉ showers from 5p.	
29	29°40	29°33	43°5	43°8	35°3	48°8	3°7	1°8	°206	°246	74	86	W	4	SW	6	10	10	°10	☉ n. ☉ showers from 4p.	
30	°06	°45	40°6	40°6	37°4	46°0	1°6	2°9	°219	°197	87	78	SW	8	NW	8	10	5	°03	☉ n. ☉ showers during day.	
31	29°90	29°93	48°6	40°8	38°0	54°6	4°3	1°1	°244	°232	71	92	NW	1	SE	1	7	10	°02	Cloudy day.	
Mean	29°338	29°368	41°2	40°3	35°7	46°9	2°1	1°9	°218	°212	83°5	84°7	2°0	2°4	8°6	8°5	2°47				

GLASGOW.—MARCH 1903.

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	28°88	28°98	41°5	36°1	35°9	42°8	2°1	1°1	°192	84	90	SE	4	SW	2	10	10	°030	Squally $\nearrow$ $\bullet$ $a$ . Cloudy day.	
2	28°70	28°45	34°9	36°9	32°1	37°2	2°1	1°7	°152	187	75	SE	1	NE	1	10	10	°102	* till 2p. $\bullet$ $\bullet$ . [ $\nearrow$ 11p.-midt.	
3	29°07	29°40	39°1	37°9	33°8	45°7	3°5	2°0	°173	°190	73	83	W	1	Caln	0	9	4	°091	Fine and clear.
4	°16	°25	42°5	39°8	37°6	46°2	2°3	2°8	°224	°191	82	78	SW	2	SW	3	9	9	°230	$\bullet$ $a$ . Bright intervals. Squally $\nearrow$ .
5	°38	°49	33°1	34°3	32°9	40°1	2°4	0°9	°180	°180	95	90	NW	1	SW	2	10	10	°332	T $\nearrow$ 9a.-11a. $\Delta$ $\bullet$ (sleet) $\bullet$ *
6	°58	°65	37°6	36°7	34°1	40°4	1°8	1°5	°191	°189	84	87	SW	2	W	1	10	4	°160	* $\bullet$ (sleet) * showers, [showers.
7	29°52	°73	33°4	36°9	33°0	39°6	0°6	1°7	°179	°187	93	86	E	1	NW	1	10	10	°020	* 8a.-10a. Cloudy day. $\bullet$ 9p.-
8	30°00	°83	36°9	43°3	33°7	44°8	2°1	2°8	°180	°222	83	79	Caln	0	SW	1	5	10	°088	Fine, with $\neg$ $a$ . Dull day. [ $\nearrow$ 10p.
9	29°48	°58	47°1	39°7	39°0	47°9	1°6	1°0	°286	°224	89	92	S	2	SW	1	10	9	°100	Overcast, with $\bullet$ .
10	°62	°56	39°7	40°3	34°9	44°9	1°7	2°0	°210	°210	86	84	SW	1	S	1	5	9	°010	Fine day.
11	°50	°45	44°9	45°7	40°1	50°6	2°3	2°9	°247	°243	84	80	SW	1	S	1	9	10	°220	$\bullet$ $\bullet$ early $a$ . Cloudy day.
12	°49	°56	40°9	38°5	38°5	46°5	1°2	0°5	°231	°223	91	96	SW	1	Caln	0	10	10	°659	Overcast, with $\bullet$ all day.
13	°58	°74	37°7	38°2	35°6	45°1	0°8	1°6	°211	°199	93	87	Caln	0	Caln	0	10	5	°040	$\bullet$ early $a$ . $\bullet$ $\Delta$ $\Delta$ shower 3p.
14	°50	°81	34°9	36°2	33°1	45°1	0°5	3°0	°193	°159	95	75	Caln	0	E	1	5	2	°043	$\neg$ $\bullet$ $\bullet$ $\bullet$ $\bullet$ Fine and clear. $\infty$ $n$ .
15	°93	°30	36°3	40°5	33°1	44°1	0°9	2°4	°198	°204	93	81	E	1	S	1	10	10	°010	$\bullet$ $a$ . and $p$ . Dull day.
16	°33	°28	39°3	39°9	37°9	43°1	1°9	2°5	°204	°198	85	80	E	1	SW	2	10	8	°732	Overcast, with $\bullet$ at times.
17	°01	°18	44°3	38°9	38°9	45°8	1°0	1°9	°268	°200	92	85	SW	4	Caln	0	10	6	°112	Squally $\nearrow$ (gale). $\bullet$ $\Delta$ $a$ . Cloudy
18	°27	°30	38°7	43°6	34°6	44°3	3°0	1°9	°179	°243	77	86	SW	1	SW	4	4	10	°250	* $a$ . Squally $\nearrow$ . $\bullet$ $n$ . [day.
19	°33	°37	44°7	46°4	43°3	49°1	2°8	2°1	°227	°267	77	85	SW	1	SW	2	10	10	°280	Cloudy, with $\bullet$ showers. Squally $\nearrow$
20	°56	°67	43°8	42°7	40°1	46°9	3°8	1°5	°226	°241	78	88	SW	1	W	1	9	10	°400	Dull day.
21	°47	°27	48°3	50°8	42°3	51°5	1°6	2°1	°299	°319	89	86	SW	2	SW	4	10	10	°705	Overcast, with squally $\nearrow$ (gale). $\bullet$
22	°30	°25	44°9	43°1	43°0	53°6	0°5	0°8	°285	°261	96	93	SW	1	SW	1	10	10	°804	Overcast, with squally $\nearrow$
23	°12	°26	36°2	39°7	36°1	44°1	0°2	2°6	°210	°194	98	79	W	1	SW	1	10	3	°060	* till 1p. Squally $\nearrow$ . $\bullet$ showers
24	29°39	29°23	40°3	45°9	36°8	48°9	2°2	3°7	°206	°230	83	74	SW	1	S	2	6	10	°	Fine day.
25	28°87	28°80	44°9	44°6	53°7	50°0	3°0	2°7	°263	°238	79	81	SE	2	S	2	10	10	°012	Dull, with squally $\nearrow$ . $\bullet$ $\bullet$ $n$ .
26	28°86	28°98	47°3	43°4	41°0	48°1	3°3	2°5	°250	°228	77	80	S	1	SW	1	10	10	°245	Cloudy, with $\bullet$ showers.
27	29°06	29°11	43°3	42°9	40°1	46°6	2°5	1°3	°229	°248	80	90	SW	1	SW	2	9	10	°423	$\bullet$ 6p.-9p. [ $\Delta$ 6p.
28	28°74	°10	47°1	40°8	40°4	50°3	1°3	3°8	°292	°182	91	71	S	2	W	4	10	5	°120	$\Delta$ 6a.-noon. Squally $\nearrow$ (gale).
29	29°45	°25	42°2	45°7	36°1	47°5	2°5	1°9	°218	°265	82	87	SW	2	S	2	8	10	°425	Squally $\nearrow$ $\bullet$ showers. Bright intervals.
30	°04	°52	39°1	43°1	36°6	46°1	0°5	4°2	°229	°194	96	69	SW	3	SW	2	10	0	°036	Squally $\nearrow$ $\bullet$ $\Delta$ $a$ . Fine after 2p.
31	29°92	29°88	47°0	43°4	40°7	52°9	3°2	2°0	°249	°238	78	84	W	1	Caln	0	2	5	°095	Fine and clear. $\infty$ $n$ .
Mean	29°319	29°362	41°1	41°2	37°4	46°3	1°8	2°1	°223	°218	85°7	83°6	1°4	1°5	8°4	8°0	6°34			



## COCKLE PARK (NEAR MORPETH).—MARCH 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Station Level.		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.	37°	37°	30°	43°	1°	2°	100	100	SE 6	W 7	10	0	ins.	☁ showers.
2	28°56	28°58	37°	37°	30°	43°	1°	2°	100	100	SE 5	NW 3	10	10	28°58	Dull, with ☁ (mist). Fine and sunny.
3	28°53	29°27	38°	32°	31°	45°	2°	0°	100	100	NW 4	W 2	1	0	29°27	☁ showers a. Fine p.
4	29°07	29°20	44°	40°	29°	47°	0°	1°	100	100	SW 6	SW 5	1	2	29°20	Fine and sunny. ☁ n.
5	29°25	29°36	40°	34°	33°	43°	2°	0°	100	100	SW 6	W 7	2	2	29°36	Sunny day. ☁ showers.
6	29°55	29°55	39°	36°	32°	43°	1°	1°	100	100	W 7	W 5	4	1	29°55	☁ (mist) a.
7	29°40	29°51	36°	35°	28°	43°	1°	2°	100	100	S 2	NW 6	9	0	29°51	Splendid day.
8	29°86	29°81	40°	39°	35°	47°	1°	3°	100	100	SW 4	SW 4	10	10	29°81	Dull day. ☁ n.
9	29°51	29°44	43°	41°	34°	47°	1°	1°	100	100	SW 4	S 4	10	10	29°44	Splendid day. ☁
10	29°51	29°48	40°	35°	31°	47°	2°	1°	100	100	SW 4	S 4	10	10	29°48	Fine day.
11	29°45	29°44	40°	33°	30°	50°	4°	2°	100	100	SW 4	S 4	10	10	29°44	☁ (mist) a.
12	29°44	29°46	43°	44°	37°	48°	2°	2°	100	100	SW 3	S 3	10	10	29°46	☁ (mist) a.
13	29°44	29°57	44°	38°	31°	52°	2°	1°	100	100	SW 3	S 3	10	10	29°57	☁ (mist) a.
14	29°72	29°67	39°	36°	34°	46°	3°	1°	100	100	N 2	NE 2	9	10	29°67	Fine and sunny. ☁ n.
15	29°39	29°23	40°	37°	34°	47°	0°	1°	100	100	SE 3	S 3	10	8	29°23	☁ (mist) a.
16	29°07	29°25	40°	38°	35°	45°	2°	2°	100	100	SE 5	SW 3	10	3	29°25	☁ (mist) a.
17	29°08	29°08	43°	40°	35°	48°	2°	2°	100	100	SE 6	W 3	10	3	29°08	☁ (mist) a.
18	29°13	29°31	40°	42°	32°	45°	2°	2°	100	100	SE 6	W 3	10	10	29°31	Dull day. ☁ p.
19	29°24	29°35	49°	48°	41°	54°	3°	1°	100	100	SW 7	SW 6	3	2	29°35	Fine and sunny, with ☁.
20	29°43	29°59	45°	42°	41°	49°	1°	1°	100	100	SW 6	W 3	10	5	29°59	Fine and sunny, with ☁. ☁ n.
21	29°46	29°33	49°	52°	40°	52°	3°	2°	100	100	SW 6	W 3	10	5	29°33	☁ showers.
22	29°28	29°25	54°	51°	50°	58°	3°	2°	100	100	SW 6	SW 7	10	10	29°25	☁ (gale).
23	29°03	29°14	53°	41°	39°	55°	3°	2°	100	100	SW 5	NW 6	8	3	29°14	Fine and sunny, but cold.
24	29°23	29°25	44°	43°	35°	51°	3°	2°	100	100	SE 3	SE 3	8	7	29°25	Dull day.
25	28°92	28°72	45°	46°	41°	58°	1°	1°	100	100	SE 4	SW 3	10	2	28°72	☁ (mist) a.
26	28°82	28°94	48°	43°	38°	56°	3°	2°	100	100	SE 4	SW 3	10	2	28°94	☁ (mist) a.
27	29°08	29°06	43°	38°	37°	51°	2°	2°	100	100	SW 3	S 3	4	1	29°06	☁ showers.
28	28°78	28°99	49°	40°	34°	56°	2°	2°	100	100	S 4	SW 7	10	1	28°99	☁ (mist) a.
29	29°37	29°21	46°	45°	38°	51°	5°	3°	100	100	SW 7	S 7	7	9	29°21	☁ showers p.
30	29°02	29°23	45°	40°	37°	48°	4°	2°	100	100	W 10	NW 7	3	1	29°23	Fine and sunny, with ☁. ☁ n.
31	29°73	29°77	47°	42°	37°	51°	3°	2°	100	100	NW 4	S 1	9	8	29°77	Fine a. ☁ (gale).
Mean	29°243	29°271	43°1	40°4	35°2	48°8	2°2	1°5	235	222	83°7	87°5	4°9	4°4	7°1	1°557

## SCARBOROUGH.—MARCH 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

1	29°37	29°24	41°0	35°5	32°0	45°5	1°5	1°5	225	178	87	86	SW	6	SW	4	8	6	06	Dull day.	
2	29°01	28°45	34°5	44°5	33°0	47°0	0°5	0°5	188	281	94	96	S	4	S	6	10	8	16	Dull. ☁	
3	28°98	29°46	41°0	40°0	33°5	46°5	1°2	1°5	231	216	90	87	N	8	NW	3	8	2	02	☁ (gale) ga. Fine day.	
4	29°44	29°51	41°0	43°0	32°0	52°2	2°0	1°0	216	255	84	92	SW	4	SW	4	8	2	01	Very fine day.	
5	29°52	29°63	40°0	38°0	37°5	47°0	1°8	2°5	211	182	86	79	W	3	SW	4	6	4	—	Very fine day.	
6	29°76	29°80	38°0	38°2	32°5	47°2	2°5	1°2	182	206	79	89	W	2	SW	6	2	6	—	Very fine day.	
7	29°67	29°68	37°0	38°5	33°5	44°5	1°0	2°0	200	194	91	83	SW	3	SW	4	10	2	—	Dry, dull day.	
8	30°05	30°11	39°0	38°5	34°5	45°5	1°0	2°0	165	194	69	83	NW	6	S	4	6	6	—	Very fine day.	
9	29°91	29°74	39°0	41°5	36°0	47°8	0°8	0°5	221	251	94	96	S	4	S	3	10	10	16	Dull day.	
10	29°76	29°75	39°0	38°0	35°0	46°0	0°8	1°0	221	208	94	91	Calm	0	SW	3	10	3	02	Dull day.	
11	29°77	29°73	35°8	44°0	35°0	50°0	0°8	1°0	193	265	93	92	SW	2	SW	2	6	2	—	Fine day.	
12	29°75	29°73	39°0	44°8	37°5	51°0	0°8	2°3	221	245	94	82	Calm	0	S	3	10	8	—	Dull, with ☁.	
13	29°73	29°75	42°5	44°0	38°0	56°0	2°0	0°5	229	276	84	96	SW	4	SW	3	6	10	21	Fine, with ☁ at intervals.	
14	29°91	29°87	41°0	41°8	38°5	47°5	0°5	0°8	246	247	96	94	NE	3	SW	2	10	8	06	Dull day. ☁	
15	29°65	29°52	44°0	41°0	35°5	51°0	1°8	0°5	248	246	86	96	SW	2	SW	5	8	8	05	☁ a. Fine day.	
16	29°38	29°57	42°5	40°5	35°5	48°0	1°7	2°0	235	211	86	84	S	5	SW	4	10	6	—	Dull day.	
17	29°51	29°33	43°5	43°5	32°5	47°5	1°5	0°5	249	271	87	96	SW	4	SW	3	10	10	52	Dull day, with ☁.	
18	29°37	29°68	36°8	41°0	32°5	49°5	0°8	1°8	202	219	93	86	NW	4	W	5	10	6	—	Dull a. Fine p.	
19	29°64	29°68	48°0	50°0	40°0	56°0	1°0	2°5	309	298	92	82	SW	6	W	8	8	4	—	Dull a. Fine p. ☁ (gale) from sp.	
20	29°70	29°83	52°5	49°5	44°0	55°5	3°5	3°0	304	280	77	79	W	8	SW	6	6	8	—	☁ (gale) ga. Fine day.	
21	29°74	29°73	45°5	51°0	44°0	54°5	2°0	3°0	259	298	85	79	SW	6	SW	6	8	6	—	Dull day.	
22	29°68	29°63	50°5	52°5	46°0	63°5	3°0	3°5	292	304	79	77	SW	7	SW	5	6	4	—	☁ (gale) ga. Very fine day.	
23	29°43	29°54	51°5	44°0	38°0	58°0	3°5	2°0	293	243	77	84	SW	7	SW	6	6	8	04	☁ (gale) ga. Dull, with ☁ showers.	
24	29°53	29°53	43°0	44°8	40°5	53°0	2°5	1°6	225	260	81	87	SW	5	SW	3	10	3	—	Dull a. Fine p.	
25	29°26	29°06	49°0	52°0	43°5	64°0	3°2	2°5	271	323	78	82	S	5	SW	3	8	3	—	Dull a. Fine p.	
26	29°11	29°23	49°0	47°0	40°0	57°0	3°0	2°0	275	275	79	85	SW	4	SW	3	6	4	05	Fine day.	
27	29°26	29°31	41°5	43°0	36°0	48°5	0°3	2°0	255	234	97	84	NW	2	SW	2	10	6	21	Dull, with ☁.	
28	29°18	29°27	48°0	43°5	38°0	55°0	1°5	2°5	297	299	88	81	SW	6	SW	6	8	6	04	Dull day.	
29	29°66	29°68	44°0	45°5	38°0	52°5	2°5	2°0	233	259	81	85	W	6	SW	5	4	6	09	Fine day.	
30	29°42	29°41	43°0	42°0	39°0	50°2	3°0	2°5	215	215	77	80	SW	6	W	5	2	8	04	Fine day.	
31	29°92	29°97	45°0	43°0	38°5	49°0	2°2	1°5	230	244	88	87	N	6	NW	2	8	6	—	Dry, dull day.	
Mean	29°554	29°557	42°7	43°4	37°1	51°2	1°8	1°7	237	245	85°8	86°5	4°5	4°1	7°7	5°8	1°74				

## CRONKBORNE.—MARCH 1903.

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. at Station Level.		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 Pressure.		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°06	29°18	43°0	35°7	36°7	45°6	0°7	1°3	262	193	94	89	SW 5-6	WSW 5	10	3	ins.	Squally, with ☁ showers.
2	28°59	28°42	38°4	45°4	36°0	49°0	0°1	0°7	230	288	99	96	SE 6	WSW 5	10	10	213	Squally, with ☁ showers.
3	29°20	29°52	44°0	39°2	35°0	47°2	1°9	0°4	246	232	85	96	NW 5	WSW 3	3	0	068	Very fine and sunny. ☁ p.
4	39	46	47°4	43°8	39°0	48°4	2°2	1°6	273	250	85	88	WSW 5	WSW 5	4	10	013	Fine and sunny. ☁ p.
5	55	65	41°4	39°4	37°6	44°8	2°4	2°0	212	203	82	84	W 5	WSW 4-5	4	4	—	Fine and sunny.
6	78	79	39°7	39°0	35°1	44°0	1°5	1°0	214	218	88	92	WSW 4-5	WSW 5	7	4	068	Fine till 3 p. then ☁☁☁ showers.
7	29°58	30	40°3	39°6	35°8	44°7	1°2	1°4	225	215	91	89	WNW 5	WNW 4	8	3	004	Dull a. Fine p. ☁
8	30°11	99	42°0	41°3	34°8	47°6	1°7	0°5	231	279	87	96	WNW 2	SSW 3	2	10	030	Fine a. Dull p.
9	29°67	70	46°7	40°2	38°7	47°0	0°4	0°4	310	241	97	96	SSW 5	WNW 2	10	10	261	Overcast, with ☁.
10	74	69	41°4	43°1	30°0	47°5	1°1	0°3	238	272	91	97	WNW 2	SSW 2	2	8	060	☁. Fine and sunny.
11	64	60	46°3	45°6	42°6	49°5	1°1	0°4	288	296	92	97	S 3	S 5	9	10	002	☁. Dull day.
12	60	62	45°4	45°6	44°8	46°7	0°8	0°8	285	288	95	94	S 4	S 4-5	10	10	303	Overcast. ☁ n.
13	66	80	39°5	41°8	38°2	46°5	0°2	0°8	239	247	98	94	NNW 1	NNW 2	10	10	017	☁ till 11 a. Fine p.
14	90	76	41°4	42°0	38°2	45°6	4°9	2°0	170	225	65	85	NNE 4	ESE 4	6	10	191	Dull day. ☁ n.
15	49	37	41°6	42°4	38°7	43°6	1°3	2°4	236	221	90	82	SE 3	SE 4	10	4	063	Dull, with ☁ showers.
16	16	41	41°1	44°0	40°0	46°9	0°6	0°6	245	274	95	95	WNW 4	SSW 4	10	10	221	☁ showers.
17	17	30	46°2	42°8	41°5	46°7	0°1	1°7	310	238	99	87	SSW 6	WNW 2	10	10	286	Squally ☁ a.
18	48	56	40°7	45°4	36°2	46°4	2°5	0°9	204	283	81	94	W 4	SW 5-7	4	10	018	Fine till 2 p., then ☁☁ showers.
19	58	62	48°7	48°3	45°2	52°2	1°3	0°5	311	327	91	97	SW 4	SW 5-6	6	10	287	Cloudy day. ☁ showers p.
20	74	81	47°7	47°2	44°0	48°5	0°8	0°2	303	320	94	99	WNW 4	SW 6-7	10	10	741	Overcast, with squally ☁ <sup>2</sup> .
21	69	55	46°9	48°3	46°2	48°7	0°4	0°3	312	331	98	98	SSW 5-6	SSW 6-7	10	10	003	Overcast, with squally ☁.
22	52	49	49°2	48°6	48°2	50°0	0°9	0°4	327	333	94	97	SW 5-6	SSW 6	10	10	024	Overcast, with squally ☁ (gale).
23	20	42	48°8	39°4	39°4	48°8	0°3	1°1	339	220	98	91	SSW 6-7	WNW 2	10	2	040	Squally ☁ a. Fine p.
24	29°49	29°32	45°8	47°7	34°0	49°9	2°5	1°7	253	289	82	88	SSW 4	SSE 6-7	4	10	018	Fine and sunny.
25	28°99	28°88	50°2	44°2	44°2	52°0	1°2	0°2	332	285	92	98	S 6	SSW 2	10	10	210	Squally ☁ a. ☁ from 5 p.
26	28°90	29°11	45°4	44°4	42°0	47°6	1°4	1°2	271	265	90	91	SE 3	SSW 4-5	10	3	080	Squally ☁☁ showers.
27	29°20	26	45°4	44°8	40°2	48°1	2°2	1°2	253	269	84	91	WSW 4	SW 3	7	6	068	Fine and sunny.
28	28°95	39	48°4	41°6	41°2	50°8	0°2	1°6	336	229	98	88	SSW 6	W 6	10	3	067	☁ till 11 a. Squally ☁.
29	29°69	51	45°6	46°4	40°7	49°1	1°6	0°4	269	306	88	97	WSW 5	SSW 5-7	4	10	138	Squally ☁☁ showers n.
30	29°37	69	45°3	42°6	41°3	47°5	2°1	0°9	254	253	84	93	WSW 6	WNW 4	7	2	130	Squally ☁ (force 8) noon.
31	30°00	29°97	48°2	42°8	41°6	53°0	1°4	0°3	302	268	91	98	NW 4-5	Calm 0	6	2	162	Very fine and sunny. ☁ n.
Mean	29°454	29°507	44°6	43°4	39°6	47°9	1°3	0°9	267	263	90°3	92°8	4°5	4°1	7°5	7°2	4°060	



## HILLINGTON.—MARCH 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep.of Wet.		Vapour Pressure.		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.	%	%	S	1	S	3	4	0	ins.	Cloudy day. ● p. ☞
2	29.61	29.54	40.6	35.1	30.8	48.4	1.9	0.6	.214	.192	85	94	S	1	S	3	4	0	.20	Sunless day. ● p.
3	29.09	29.55	39.8	46.0	31.2	50.4	0.4	0.3	.237	.304	97	98	SW	3	W	2	10	10	.30	Sunless day. ● p.
4	29.66	29.55	40.0	41.2	41.0	47.5	1.3	1.6	.220	.225	89	87	NW	3	W	3	6	0	—	Sunless day. ● p.
5	29.66	29.70	41.2	46.0	31.6	54.2	1.8	2.3	.221	.258	86	83	SW	3	SW	3	2	5	—	Sunless day. ● n.
6	29.65	29.80	45.1	44.0	44.0	48.3	0.4	2.4	.290	.235	97	82	W	2	W	2	10	0	.03	Sunless day. ● n.
7	29.94	29.86	38.1	35.1	29.0	47.4	2.2	0.4	.187	.196	81	96	W	2	SW	1	0	6	.16	Very fine a. Dull p. ● n.
8	29.70	29.79	39.2	40.0	32.5	43.3	0.4	0.8	.231	.231	97	94	SW	1	W	3	10	10	.03	Overcast day. ● a. and p.
9	30.10	30.20	37.1	31.5	31.4	47.4	2.4	0.3	.176	.170	80	95	W	2	Calm	0	0	0	—	Beautiful day. ● n.
10	30.17	29.90	40.0	39.0	31.3	48.3	2.8	0.7	.193	.224	78	94	S	2	S	2	7	10	.19	Cloudy day. ● n.
11	29.88	29.90	41.6	38.2	38.2	47.9	1.1	0.5	.239	.220	91	95	S	1	Calm	0	10	7	.11	Sunless day. ● n.
12	29.94	29.91	35.8	40.5	29.5	50.4	0.2	0.5	.206	.241	98	96	W	1	S	2	0	6	—	Very fine and sunny.
13	29.84	29.85	40.5	41.0	33.6	53.2	4.2	1.3	.225	.229	71	89	SW	1	SW	1	0	0	—	Very fine and sunny.
14	29.89	29.86	45.0	43.8	37.8	57.3	3.3	1.8	.227	.246	76	86	SW	2	NE	1	5	4	—	Very fine and sunny.
15	29.93	29.79	45.4	43.2	38.5	49.4	2.8	0.5	.241	.268	79	96	NE	1	NE	3	5	10	.17	Overcast all day. ● p.
16	29.71	29.64	44.0	38.0	38.0	52.4	1.1	1.2	.263	.204	91	89	SW	2	SW	1	3	0	—	Very fine.
17	29.60	29.75	44.1	41.0	32.8	50.2	2.4	1.3	.236	.229	82	89	SW	3	SE	1	8	0	—	Sunless day. ● p.
18	29.69	29.45	45.0	45.1	35.0	49.6	1.7	0.5	.260	.238	87	96	SW	4	SW	5	10	10	.40	Sunless day. ● p.
19	29.50	29.90	37.0	41.0	36.8	47.4	0.3	0.8	.214	.239	97	94	W	4	SW	4	10	0	.02	● a. Finer p.
20	29.90	29.96	49.1	50.0	40.9	55.4	3.3	2.2	.270	.305	77	85	W	5	SW	5	6	0	—	Cloudy day.
21	30.00	30.04	50.9	46.2	46.1	57.5	2.2	2.5	.316	.255	85	81	W	5	SW	4	6	0	—	Sunless day.
22	30.10	29.90	48.0	49.0	46.0	57.4	4.1	2.1	.241	.295	72	85	SW	4	SW	3	8	0	—	Cloudy day.
23	29.89	29.83	51.5	52.0	46.5	62.9	1.8	3.1	.334	.307	88	79	SW	5	SW	6	5	0	—	Very fine and warm.
24	29.63	29.53	51.5	46.5	45.0	63.4	4.9	0.8	.263	.297	69	94	SW	1	SW	2	5	10	.54	Very fine and warm. ● n.
25	29.70	29.63	44.0	45.0	34.1	55.3	0.9	2.5	.267	.243	93	81	SW	3	SW	2	6	0	—	Very fine.
26	29.43	29.12	54.2	59.0	42.5	67.5	3.2	3.5	.334	.393	79	79	W	3	SW	3	0	7	.06	Very fine. Distant ☞ ● p.
27	29.23	29.45	50.0	43.1	43.0	61.6	1.7	1.6	.317	.243	88	87	SW	4	Calm	0	6	0	.12	Fine a. ● p.
28	29.28	29.49	48.9	43.1	39.9	51.4	2.1	1.2	.294	.252	85	90	SW	1	S	1	8	0	.05	Cloudy day. Clear p.
29	29.44	29.48	50.0	43.2	43.0	59.4	2.2	1.5	.305	.246	85	87	SW	3	SW	3	10	0	—	Cloudy day. Clear p.
30	29.84	29.88	45.4	46.0	36.5	53.3	2.5	1.2	.247	.283	81	91	SW	3	SW	2	4	0	.05	Very fine. ● n.
31	29.69	29.58	47.0	42.1	38.2	53.4	4.2	1.3	.230	.239	71	89	W	4	W	4	5	2	.18	Very fine till 3p. ● n.
32	29.94	29.96	45.6	44.0	39.8	50.9	2.9	1.1	.241	.263	78	91	NW	3	NW	2	8	6	—	Very fine.
Mean	29.708	29.699	44.6	43.2	37.6	53.0	2.2	1.4	.250	.252	84.3	89.4		2.6		2.4	5.7	3.6	2.88	

## CHURCHSTOKE.—MARCH 1903.

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	28.78	28.88	45.1	33.6	33.0	46.0	3.8	0.7	219	178	73	92	SSW	5	WNW	1	10	10	5.90	* in evening.
2	28.35	28.11	35.9	44.0	30.3	48.1	1.2	1.3	187	258	89	89	WSW	4	SW	3	10	10	3.70	* Stormy, with *.
3	28.74	29.17	40.6	35.1	34.8	48.1	3.3	1.4	188	177	75	86	NW	3	NW	1	9	0	0.20	Bright and fresh.
4	29.09	29.15	49.6	45.6	33.6	54.1	1.8	2.9	308	241	88	78	WSW	3	WSW	4	8	10	2.00	Bright and fresh.
5	29.19	29.32	40.2	36.2	34.8	47.1	3.7	1.5	179	181	81	86	W	3	NW	2	9	9	0.10	Cloudy and cool.
6	29.46	29.44	40.4	35.1	29.7	47.1	2.9	1.4	193	177	77	86	W	2	W	2	4	5	1.60	* Cool wind.
7	29.20	29.50	37.5	35.0	34.6	43.6	0.8	1.1	208	182	93	89	W	2	W	1	8	3	0.50	* Storms.
8	29.69	29.69	41.6	40.5	34.3	49.0	1.7	1.8	227	215	86	86	WNW	2	NW	2	2	10	0.30	Bright and breezy.
9	29.43	29.27	44.5	43.2	40.1	46.6	1.2	0.5	266	268	90	96	SSW	3	SW	2	10	10	4.20	Cloudy, with $\bullet$ .
10	29.28	29.20	38.1	36.5	32.2	49.9	0.4	1.0	222	196	96	91	NW	1	WNW	2	8	0	—	Bright and clear.
11	29.28	29.29	43.9	43.1	34.8	50.0	2.0	0.6	242	265	84	95	SW	4	SW	2	7	10	0.60	Bright and fresh.
12	29.26	29.28	42.4	44.6	38.8	48.5	1.8	1.9	232	251	86	85	SSE	1	SW	1	10	9	—	Cloudy day.
13	29.24	29.33	45.4	39.4	38.1	50.4	2.2	0.7	254	228	84	94	SSE	3	SE	2	10	10	0.50	Steady $\bullet$ p.
14	29.34	29.22	38.8	40.6	36.8	41.0	1.1	0.6	214	239	90	95	NE	1	SSE	2	10	9	0.70	* all day.
15	29.12	28.99	39.6	39.6	36.8	47.5	0.9	1.9	225	205	93	85	SSE	2	SSW	4	8	10	1.42	Low clouds.
16	28.93	29.16	41.1	39.6	37.0	46.4	2.6	1.6	205	211	80	87	W	4	WSW	3	6	2	0.90	Bright and fresh.
17	28.84	28.89	40.6	40.6	38.8	51.4	1.9	0.3	273	246	86	97	SSW	6	SSW	1	10	10	6.10	Steady $\bullet$ all day.
18	29.14	29.36	38.1	44.4	32.8	47.3	1.8	2.7	194	233	85	80	W	4	SW	5	5	8	1.30	* Snow on hills.
19	29.33	29.40	49.2	48.9	43.0	50.7	3.0	3.0	277	274	79	79	W	5	SW	6	10	3	0.20	Stormy all day.
20	29.43	29.54	50.7	45.5	44.8	55.0	4.0	2.8	272	242	73	79	W	5	W	3	8	4	—	Bright, warm, and squally.
21	29.42	29.33	46.9	49.2	44.0	58.1	2.2	2.5	270	288	84	82	S	8	WSW	7	10	4	—	(gale). Passing clouds.
22	29.30	29.24	35.0	48.7	48.4	60.3	4.6	3.0	311	272	71	79	SW	6	WSW	4	6	2	—	Bright and warm, with $\bullet$ .
23	29.01	29.05	52.7	40.6	40.3	55.1	3.9	1.9	298	214	75	85	SW	8	NW	2	10	10	0.40	Squally (gale).
24	29.23	29.01	45.6	45.1	36.2	54.1	3.9	2.4	222	246	72	82	SW	3	SE	2	5	8	0.90	Bright and fresh.
25	28.69	28.54	50.9	51.9	43.6	58.3	2.1	2.9	318	312	85	80	SSE	4	SSW	4	10	8	0.70	Squally and warm.
26	28.58	28.80	46.9	39.4	38.8	53.1	4.6	1.3	221	215	68	89	SSE	5	SE	1	8	4	0.30	Squally, with $\bullet$ .
27	28.93	28.92	45.1	42.6	37.4	51.7	2.6	2.9	242	214	81	77	W	3	SE	1	4	10	0.10	* showers. Bright intervals.
28	28.81	29.15	51.5	39.8	39.6	53.3	2.7	2.6	311	194	81	79	SSW	3	WNW	2	10	0	0.70	Stormy day.
29	29.36	29.26	46.9	44.6	39.3	53.1	3.4	1.9	243	252	76	85	W	3	SSW	4	8	8	2.80	Bright and squally. $\bullet$ p.
30	29.17	29.28	44.6	40.9	38.7	49.1	3.9	1.2	214	230	72	90	WSW	3	SSW	3	8	1	2.20	Bright and squally.
31	29.58	29.57	45.6	35.9	35.6	52.5	2.9	0.6	241	199	78	94	NW	2	W	1	9	4	0.30	
Mean	29.132	29.175	44.5	41.6	37.5	50.5	2.5	1.7	241	229	81.3	86.4		3.6		2.6	8.1	6.5	4.622	

## CAMBRIDGE.—MARCH 1903.

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. at Station Level.		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 Pressure.		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.	43.0	33.6	32.0	49.6	2.7	0.6	221	181	80	93	S	5	SW	1	10	0	ins.
2	29.58	29.41	43.0	33.6	32.0	49.6	2.7	0.6	221	181	80	93	S	5	SW	1	10	0	0.30
3	29.15	28.64	37.0	47.2	31.3	51.7	0.7	1.5	206	289	94	90	S	5	SW	5	10	10	0.77
4	29.02	29.62	42.0	41.1	40.0	48.7	0.8	2.4	249	209	94	81	N	5	NW	4	10	0	—
5	29.69	29.74	42.0	44.9	32.0	55.0	1.5	1.7	235	259	89	88	SW	5	SW	4	4	0	0.120
6	29.67	29.82	46.0	38.8	37.3	47.8	0.7	1.4	204	209	95	89	W	1	W	1	10	1	0.022
7	30.01	30.04	35.7	36.3	29.7	50.0	1.3	1.1	186	194	88	91	SW	3	SW	2	0	0	0.184
8	29.73	29.90	38.9	38.2	31.1	45.8	0.3	2.1	231	190	98	83	S	1	W	4	10	0	0.008
9	30.17	30.27	40.2	33.9	32.6	50.5	2.2	1.5	205	164	83	83	WNW	3	NW	2	6	0	—
10	30.10	29.92	40.1	40.8	29.1	49.4	2.0	0.8	208	237	84	94	S	2	S	2	10	10	0.170
11	29.85	29.88	42.9	39.6	38.3	45.2	0.6	0.6	203	231	95	95	S	2	NW	2	10	10	0.033
12	29.91	29.89	36.0	39.8	29.1	52.7	2.3	1.8	170	209	80	86	SW	1	SSW	1	0	10	—
13	29.88	29.87	40.1	39.0	29.9	54.3	1.1	1.6	225	207	91	87	S	1	S	1	10	10	—
14	29.86	29.86	43.7	43.4	34.8	57.8	2.5	2.7	231	224	81	79	S	1	S	1	9	10	—
15	29.85	29.82	43.5	45.8	34.0	55.1	1.1	0.8	228	289	91	94	N	1	SW	1	10	10	0.050
16	29.73	29.64	41.1	36.7	33.0	53.3	0.4	1.7	249	185	97	85	S	1	S	1	0	0	—
17	29.55	29.78	44.2	35.2	31.6	53.3	2.9	1.5	228	177	78	86	SSW	4	SW	1	10	0	—
18	29.70	29.48	45.5	48.7	31.7	50.2	2.7	0.6	245	328	81	96	S	5	S	5	10	10	0.128
19	29.57	29.97	40.5	42.3	39.0	52.0	1.8	3.0	215	209	86	78	W	3	SW	5	9	0	—
20	29.94	30.04	51.0	51.0	40.3	55.9	4.0	3.0	276	299	74	80	SW	7	SW	6	10	10	—
21	30.05	30.14	53.8	50.4	48.3	59.2	6.0	3.4	266	282	64	78	SW	6	SW	5	10	10	—
22	30.06	29.98	50.9	48.4	46.2	59.9	5.6	3.4	243	260	66	77	SW	7	SW	6	10	0	—
23	29.96	29.89	55.0	53.0	46.0	64.5	4.0	4.6	325	286	75	71	SW	6	SW	4	0	3	—
24	29.69	29.53	57.1	46.6	45.7	64.4	5.2	0.8	324	299	70	95	SSW	6	SW	1	0	10	0.587
25	29.74	29.70	46.3	44.1	37.0	56.6	2.1	2.0	265	245	85	84	SSW	5	SW	3	10	0	0.057
26	29.38	29.17	54.7	60.7	42.4	67.8	3.8	6.5	326	342	76	64	S	5	S	2	10	10	0.153
27	29.28	29.38	51.1	43.8	42.5	60.7	3.2	2.6	296	230	78	80	S	6	S	1	10	0	—
28	29.32	29.53	48.0	45.9	41.8	53.3	1.0	2.9	309	245	93	80	S	1	SW	2	10	10	0.017
29	29.43	29.60	52.1	46.2	42.8	60.7	3.0	3.0	312	246	80	79	SSW	5	SW	6	10	0	0.053
30	29.93	29.91	47.6	45.3	37.9	56.0	3.0	1.6	260	265	79	88	SW	6	SW	4	0	0	0.190
31	29.70	29.70	48.4	40.3	39.1	54.1	5.3	1.6	223	217	66	88	W	6	NW	4	0	0	0.148
32	30.02	30.09	50.8	46.4	39.0	54.2	4.3	1.5	268	280	72	89	NW	5	NW	1	0	10	—
Mean	29.727	29.748	45.5	43.5	37.0	54.5	2.5	2.1	252	242	82.7	84.9	3.9		2.8	7.0	4.6	2.026	



## SOUTHAMPTON.—MARCH 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
							Dep. of Wet.		Vapour Pressure.		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	29.59	29.51	46.7	38.4	37.2	47.9	2.9	1.4	.253	.204	81	88	SSW 6	SW 4	10	0	.340	↘ (force 7) a.      ● noon-3p.
2	28.73	28.75	46.9	47.2	35.0	52.2	0.9	1.0	.299	.300	94	93	SW 6	SW 4	10	10	.340	↘ (force 8) noon.      6p.-10p.
3	28.73	28.73	44.9	40.7	40.5	50.0	2.9	2.4	.234	.206	79	81	NW 5	NW 3	10	0	—	Cloudy a.      Bright p.      p.
4	28.80	28.82	48.0	48.8	35.0	55.4	1.2	0.9	.304	.323	92	93	SW 4	SW 3	10	8	.180	☁ showers 11a.-1p.      ☐
5	29.73	29.90	47.2	41.2	41.2	50.3	0.8	1.5	.305	.227	95	89	W 3.5	W 1	10	8	.065	☉ till 7p.
6	30.10	30.12	43.3	39.3	34.6	52.4	2.9	0.9	.220	.223	78	93	WSW 3	SW 3	1	1	.210	☐ a.      Sunny day.      ▲ 5p.
7	29.80	29.83	43.9	38.0	36.9	47.3	1.4	1.5	.256	.199	89	87	SW 4.5	NW 4	10	0	.040	☉ a.      showers.
8	30.28	30.31	43.2	39.8	33.7	51.8	3.2	1.9	.213	.208	77	85	NW 4	NW 3.5	0	1	—	☐ a.      Sunny day.      ☘ p.
9	30.12	29.90	45.4	44.3	32.2	47.8	1.4	0.9	.271	.270	90	93	SW 4	SW 4	10	10	.125	Overcast, with ☉.
10	29.87	29.93	43.6	39.1	38.9	46.6	0.6	1.1	.270	.217	95	91	SW 4	WNW 2	10	3	.010	Overcast.      ☐.
11	29.93	29.91	37.9	42.4	23.1	51.3	0.4	1.5	.219	.239	97	88	NW 3	S 3	1	0	—	☘ a.      Sunny day.      ☐ p.
12	28.86	28.87	46.9	43.2	32.7	53.4	1.8	1.2	.278	.253	88	90	SE 3	SE 3	2	10	—	☘ a.      Fine day.      ☐ p.
13	28.86	28.84	49.3	46.5	41.1	57.4	3.5	1.8	.269	.274	76	87	SE 3	SE 3	5	10	.010	Beautiful day.
14	28.82	28.82	44.8	43.1	42.0	51.4	1.7	2.1	.237	.233	87	83	ENE 2	SW 3	10	0	—	
15	28.75	28.64	47.8	41.9	37.2	50.4	5.1	2.5	.221	.216	67	82	SW 4	SW 3	9	1	.040	Sunny day.      ☉ showers.
16	28.63	28.83	48.5	41.1	40.8	52.4	4.0	2.1	.249	.214	73	83	SW 3	WSW 3	1	0	.003	Sunny day.      ▲ showers.
17	29.73	29.54	46.9	50.3	40.1	50.9	2.2	0.4	.269	.355	85	97	SW 6	SW 5.5	10	10	.770	↘ (force 8) 10a.-5p.
18	29.71	30.07	45.7	44.9	41.0	51.7	3.7	2.0	.227	.253	74	86	NW 4	NW 4	3	0	.035	Fine and sunny.      p.
19	30.07	30.17	49.8	50.3	44.9	52.5	2.6	1.9	.293	.316	82	87	SW 5	SW 4	10	10	.020	↘ (force 7) ● showers.
20	29.18	29.21	50.7	50.3	48.3	54.7	3.3	3.3	.288	.283	78	78	SW 5	SW 3	10	10	—	Cloudy day.
21	30.05	30.05	49.8	50.1	46.6	53.8	4.3	2.9	.258	.290	72	80	SW 4	SW 3	6	0	—	Fine and sunny.
22	30.06	29.94	51.4	51.0	47.9	60.7	1.9	2.3	.331	.316	88	84	SW 4	SW 3	10	0	—	Fine and sunny from 10a.
23	29.77	29.53	55.6	52.1	49.5	57.8	4.9	1.4	.314	.352	71	90	SW 5	SW 7	4	10	.340	Fine and sunny, with ↘.
24	29.77	29.68	51.8	48.8	39.7	54.0	4.7	2.8	.270	.278	71	80	SW 4	SW 4.5	6	0	.020	Bright intervals.      [8p.
25	29.37	29.18	56.2	57.9	48.3	65.2	4.3	5.5	.335	.329	74	68	SW 5	SW 6	10	10	.070	Sunny a.      Cloudy p.      Distant ☐
26	29.34	29.34	52.6	47.8	47.4	59.2	4.2	1.8	.290	.288	73	87	SW 5.5	SE 4	8	0	.370	↘ (force 7) a.      Sunny day.      < p.
27	29.35	29.56	47.6	46.2	46.0	54.8	1.1	1.7	.303	.274	93	89	NW 3.5	SW 4	10	10	.160	☉ a and from 10p.
28	29.54	29.72	51.0	46.0	45.8	56.7	0.9	2.4	.351	.262	94	83	SW 4	SW 4	10	5	.090	till 11a.      ☉ (force 8) 2p.
29	30.04	30.00	51.8	47.5	41.7	56.1	4.8	2.2	.268	.276	70	84	NW 4	SW 5	4	3	.120	Bright day.      ● showers p.
30	29.83	29.86	48.9	48.3	43.2	54.0	5.1	5.1	.233	.226	67	66	SW 5	NW 8	10	0	.030	▲ 11a.      ● 1p.      ↘ p.
31	30.11	30.14	48.6	48.6	43.7	55.6	3.4	2.3	.262	.287	76	84	NW 5	SW 3	10	0	.020	☘ p.
Mean	29.786	29.802	48.0	45.7	40.7	53.4	2.8	2.0	.271	.264	81.5	85.5	4.2	3.8	7.4	4.2	3.408	

## PLYMOUTH.—MARCH 1903.

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

1	29.31	29.54	45.8	37.0	31.0	47.2	0.5	1.1	297	198	96	90	SSW 9	W 4	10	0	45	Frequent 0 showers.
2	28.98	28.80	49.0	47.9	35.0	53.7	0.4	2.6	338	271	97	82	SW 8	W 6	10	6	25	0 a.
3	29.26	29.75	45.1	40.0	39.5	48.2	5.1	2.7	196	194	65	78	NNW 5	Calm 0	3	0	02	Beautifully fine and sunny.
4	29.73	29.77	50.0	51.3	35.9	56.1	0.1	1.4	358	342	99	90	SW 5	WSW 6	10	10	17	till noon. 0 n.
5	29.71	29.90	46.1	41.3	41.0	51.3	1.1	1.7	286	225	92	87	NW 3	W 3	10	0	10	all day.
6	30.07	30.08	43.5	43.2	37.9	48.9	3.0	1.3	220	251	77	90	W 4	WSW 3	3	6	45	Sunny day. 0 showers.
7	29.83	29.09	38.8	42.3	37.6	47.0	0.5	3.3	226	204	96	76	NW 6	NW 4	10	6	13	Frequent 0 showers. Bright in-
8	30.28	30.25	43.3	44.6	36.9	50.7	2.4	1.5	229	260	81	89	NW 1	WNW 1	0	4	10	tervals.
9	29.97	29.75	46.5	46.7	43.9	48.0	0.0	0.4	317	310	100	97	SSW 7	S 7	10	10	51	Squally 0 all day.
10	29.84	29.90	43.5	40.4	38.8	48.8	2.3	1.3	233	224	82	90	N 2	Calm 0	6	0	02	Fine and sunny.
11	29.83	29.80	46.4	47.2	35.1	48.7	1.4	1.9	282	280	90	87	SW 3	S 5	10	4	02	Cloudy, with 0 showers.
12	29.73	29.75	48.5	48.3	45.3	51.7	3.0	2.0	270	289	80	86	SSW 5	SSE 5	8	10	01	Fine, with sunny intervals.
13	29.73	29.77	48.6	43.8	43.4	50.9	1.2	1.0	312	264	92	92	S 4	WNW 1	10	10	15	Overcast. 0 n.
14	29.75	29.71	42.6	43.5	40.0	46.1	2.1	1.7	229	246	85	86	NW 3	WSW 4	9	10	05	0 showers. Bright intervals.
15	29.67	29.49	45.4	45.2	42.1	49.2	3.2	1.9	234	258	77	86	WSW 3	S 7	7	10	15	0 showers. Bright intervals.
16	29.59	29.74	46.3	46.0	40.0	50.9	4.4	3.0	220	244	70	79	W 4	WSW 5	3	4	42	0 showers. Sunny day.
17	29.51	29.43	48.7	50.8	43.8	50.9	0.3	0.1	336	369	98	99	SSW 8	SW 7	10	10	42	Squally 0 all day.
18	29.76	30.02	38.3	48.3	37.9	52.7	1.3	2.6	205	276	89	82	NW 5	SW 6	3	10	04	Bright and sunny. 0.
19	30.02	30.11	48.8	50.0	47.6	53.0	1.0	1.4	321	324	93	90	WSW 7	WSW 7	10	10	02	Sunny intervals.
20	29.12	30.15	50.6	50.6	49.0	53.1	2.9	2.6	296	303	80	82	SW 7	SW 5	10	10	01	Overcast day.
21	30.05	29.97	49.4	49.8	47.0	52.7	2.2	0.9	298	335	85	93	SW 6	S 7	9	10	01	Overcast day.
22	29.04	29.04	51.5	51.9	48.9	55.0	1.3	1.3	346	352	90	91	SSW 6	SW 6	10	10	01	Fine and sunny.
23	29.64	29.64	52.0	41.7	41.0	52.3	1.4	0.9	351	246	90	93	SSW 7	W 3	10	10	51	Overcast all day. 0 p.
24	29.67	29.51	48.7	50.0	40.3	52.0	2.8	3.0	277	286	81	80	SSW 5	S 7	4	10	01	Fine and sunny.
25	29.21	29.08	53.2	47.8	47.2	57.0	2.6	1.8	335	288	83	87	SSE 6	WSW 4	10	3	01	Fine, but overcast.
26	29.06	29.05	49.1	49.6	38.0	51.7	4.0	3.3	256	276	73	78	SSW 8	NNE 2	8	10	24	0 showers. Sunny intervals.
27	29.36	29.36	48.3	48.4	38.9	52.2	3.1	0.1	265	338	78	99	WNW 2	SW 7	4	10	24	0 showers early a. 0 n.
28	29.44	29.75	52.3	47.0	45.9	54.1	1.7	3.6	347	241	88	75	SW 7	W 3	10	0	13	0 a. Sunny intervals.
29	29.92	29.92	49.7	49.3	43.3	53.9	2.7	1.7	290	308	82	88	WSW 5	SW 6	6	6	05	Fine and sunny.
30	29.85	30.02	48.0	47.3	42.3	52.1	3.3	3.5	257	246	77	76	WSW 5	NW 5	9	9	02	0 showers a. Sunny p.
31	30.14	30.12	48.8	45.0	43.1	52.9	4.0	2.0	253	253	73	85	NW 4	Calm 0	7	8	09	Fine day.
Mean	29.711	29.751	47.3	46.3	41.2	51.4	2.1	1.9	280	274	85.1	86.5	5.2	4.4	7.7	7.0	4.75	

## ARMAGH.—MARCH 1903.

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. at Station Level.		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 Pressure.		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°93	29°11	39°6	31°6	31°6	44°5	1°0	0°2	°223	°174	92	98	SW 4	SW 3	10	0	°272	
2	28°38	28°43	41°6	39°4	31°6	49°0	0°8	0°8	°247	°226	94	94	ESE 3	N 1	10	10	°030	
3	29°21	29°41	38°1	38°4	34°0	52°0	1°6	4°8	°198	°148	86	64	WNW 2	SSW 3	0	0	°068	Sunny day.
4	29	35	44°5	40°1	38°4	48°3	3°9	2°4	°212	°201	72	81	WSW 3	SW 3	3	10	°040	Sunny day.
5	44	60	38°4	34°0	34°0	46°8	2°4	1°8	°186	°160	81	81	SW 4	SW 4	0	5	°012	Sunny day.
6	67	66	37°6	34°6	33°8	45°0	1°0	1°6	°206	°169	91	84	SW 4	SSW 2	7	10	—	— early a. Sunny day.
7	29°59	91	39°1	34°4	34°4	45°2	1°5	1°0	°209	°179	88	89	WNW 2	WSW 1	9	7	°107	
8	30°05	77	37°4	44°0	32°5	47°0	1°1	1°7	°202	°250	91	86	SW 2	S 4	0	10	°230	— early a.
9	29°48	62	41°4	33°6	33°6	48°0	0°3	0°6	°254	°181	98	93	NW 2	SW 2	10	0	°008	
10	66	53	38°3	42°2	32°0	48°0	1°7	3°4	°198	°202	86	76	SW 2	SSW 3	0	10	—	— early a.
11	47	35	43°6	45°0	41°3	51°2	2°2	4°8	°236	°200	83	67	S 3	S 4	10	10	°050	
12	45	52	42°3	39°2	39°2	49°0	1°0	1°0	°249	°220	92	92	SSW 2	SE 1	10	10	°135	
13	59	74	34°6	39°6	34°6	47°0	0°0	2°0	°201	°204	100	84	SW 2	N 1	10	10	—	— early a.
14	88	69	35°4	37°1	30°0	47°0	1°4	3°7	°180	°154	87	70	N 0°5	NNE 1	2	3	°027	— early a. Sunny day.
15	36	15	40°3	40°6	34°9	46°3	1°7	3°3	°215	°189	87	74	ENE 1	SE 3	10	10	°182	
16	11	19	39°6	40°1	34°4	47°0	2°0	2°7	°204	°195	84	78	W 3	S 5	10	9	°275	
17	06	21	41°8	38°4	38°4	47°7	1°0	2°8	°245	°179	92	78	WSW 3	SSW 1	10	10	—	
18	36	36	40°0	44°2	33°0	48°1	2°8	3°1	°193	°224	78	77	SW 4	SW 5	0	10	°127	Sunny day.
19	43	48	45°8	45°3	42°4	51°7	3°0	2°0	°243	°257	80	85	SW 4	WSW 3	9	10	°585	
20	64	66	44°6	42°6	42°2	48°3	2°0	0°6	°250	°260	85	95	SW 3	SSW 2	10	9	°287	
21	46	27	51°4	52°4	42°4	55°0	1°0	0°3	°353	°385	93	98	SSW 5	SSW 5	10	10	°168	
22	26	32	54°6	43°8	42°7	56°3	0°3	0°2	°419	°281	98	99	SSW 5	SSW 1	10	10	°903	
23	20	33	38°0	35°6	33°0	47°5	0°0	2°5	°228	°162	100	77	WNW 1	SW 3	3	3	—	☼ (sleet) 7a.
24	29°33	29°03	40°4	45°9	34°5	51°8	2°6	3°6	°199	°232	80	75	S 3	SE 4	0	10	°115	— early a.
25	28°73	28°74	49°6	42°0	42°0	54°8	4°0	3°8	°262	°193	74	73	SSW 4	S 3	7	10	°270	
26	28°69	28°66	42°6	39°0	39°0	51°5	1°0	2°7	°251	°186	92	79	SSE 4	S 3	10	7	°075	
27	29°08	29°09	42°8	41°2	37°1	48°2	2°5	1°0	°223	°237	81	93	SW 3	SSW 3	8	3	°057	
28	74	32	47°6	37°3	37°3	51°2	1°8	2°7	°286	°173	88	78	SSW 5	SW 4	10	0	°013	
29	58	28	45°3	43°1	35°5	51°3	4°5	2°0	°209	°235	69	84	SW 4	WSW 3	3	10	°200	
30	20	73	40°6	43°6	35°3	50°3	0°3	1°8	°247	°245	97	86	SW 6	WNW 2	10	10	°147	
31	29°07	29°82	47°8	46°5	42°2	54°0	2°5	4°2	°272	°225	82	72	W 1	S 1	7	10	°017	
Mean	29°364	29°375	42°1	40°5	36°4	49°4	1°7	2°2	°235	°211	87°1	82°6	3°0	2°7	6°9	7°6	4°400	



DUBLIN (PHENIX PARK).—MARCH 1903.

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. at Station Level.		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 Pressure.		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° 07	29° 25	38° 0	33° 4	32° 5	47° 4	0° 8	1° 1	° 212	° 169	95	88	W 2	WSW 2	10	0	° 150	☼ till 7p.
2	28° 47	28° 46	47° 0	44° 7	32° 3	51° 7	1° 4	1° 1	° 289	° 271	90	92	SW 2	W 2	10	4	° 050	☼ showers.
3	29° 30	29° 54	39° 8	39° 3	35° 8	48° 8	0° 7	1° 5	° 230	° 211	95	88	W 1	Calm 0	2	4	° 043	Bright a. Cloudy p.
4	44	49	46° 6	42° 7	38° 7	50° 0	0° 6	0° 3	° 303	° 268	96	97	W 3	SW 1	7	7	° 055	Cloudy day.
5	58	72	39° 1	34° 9	34° 0	45° 8	0° 3	0° 2	° 233	° 199	97	98	WSW 2	WSW 1	4	1	° 075	Fine a. ☼ showers p.
6	83	98	37° 6	37° 5	33° 6	43° 4	0° 2	0° 1	° 221	° 222	99	99	SW 3	SW 1	3	8	° 015	Bright a. ☼ showers p.
7	29° 01	29° 33	39° 3	35° 2	34° 7	45° 7	0° 4	0° 5	° 233	° 196	97	95	W 2	W 1	4	2	° 010	Cloudy day. ☼ showers p.
8	30° 17	29° 93	39° 5	47° 3	31° 9	48° 7	0° 9	2° 2	° 224	° 273	93	85	SW 1	SSW 3	1	8	° 015	Bright a. Cloudy p.
9	29° 57	72	48° 6	37° 1	36° 4	49° 7	2° 1	1° 7	° 292	° 188	86	85	SSW 4	Calm 0	10	6	° 205	Dull and cloudy, with ☼.
10	77	66	39° 0	43° 0	31° 3	48° 2	1° 8	2° 7	° 203	° 221	86	80	W 1	SSW 1	1	7	—	Fine and sunny.
11	60	51	47° 8	47° 4	39° 0	52° 6	4° 9	3° 7	° 225	° 243	68	75	S 1	S 3	6	7	° 270	Fine, but cloudy.
12	54	58	41° 3	39° 3	38° 2	48° 2	0° 4	0° 2	° 252	° 236	97	99	Calm 0	Calm 0	10	10	° 615	☼ all day.
13	66	81	39° 0	41° 1	35° 2	47° 6	0° 3	1° 9	° 232	° 218	98	85	Calm 0	Calm 0	5	8	—	Fine, but cloudy.
14	89	72	39° 6	40° 4	34° 3	44° 0	2° 2	1° 2	° 201	° 226	82	91	N 1	NE 1	7	10	° 335	Dull day. ☼ from 5p.
15	46	19	38° 3	42° 8	37° 6	48° 6	0° 1	1° 9	° 229	° 235	100	85	WSW 1	SSE 2	10	9	° 100	☼ till 8a. Fine, but cloudy.
16	28	36	39° 6	43° 9	33° 4	47° 2	4° 2	2° 7	° 166	° 229	69	80	W 3	S 2	5	5	° 112	Fine, but cloudy.
17	17	32	42° 0	39° 3	38° 2	50° 0	0° 9	1° 7	° 247	° 207	93	87	W 2	W 1	10	10	° 345	☼ 9a.-2p. and from 8p.
18	51	56	38° 8	44° 5	32° 6	48° 8	2° 7	2° 2	° 185	° 244	79	83	SW 3	SW 3	1	6	° 060	☼ till 4a. Bright a. ☼ 0 p.
19	58	63	50° 1	51° 7	43° 9	53° 5	3° 3	3° 1	° 281	° 305	78	80	SW 3	SW 5	5	10	° 630	☼ 2 noon-2p.
20	75	78	48° 6	47° 7	46° 0	53° 1	1° 2	2° 9	° 312	° 264	92	81	W 3	SW 3	7	4	° 098	☼ 6a.-8a. ☼ 2 6p.
21	63	47	50° 3	52° 9	46° 9	55° 2	2° 4	2° 8	° 304	° 326	83	82	SSW 4	SW 6	9	6	—	Cloudy, with squally ☼.
22	45	39	53° 7	52° 0	51° 7	56° 2	2° 5	1° 8	° 343	° 340	83	87	SW 5	SW 5	8	7	° 155	Cloudy, with squally ☼.
23	29	43	36° 9	39° 2	35° 4	52° 7	0° 7	1° 9	° 205	° 203	94	84	W 1	Calm 0	10	0	° 028	☼ a. Cloudy p.
24	29° 43	29° 16	46° 2	49° 0	32° 3	51° 6	4° 5	3° 4	° 218	° 268	70	77	S 2	S 2	3	8	—	Bright a. Cloudy p.
25	28° 85	28° 85	51° 4	45° 6	44° 9	54° 6	4° 8	2° 6	° 264	° 248	70	81	SSW 5	Calm 0	7	4	° 085	Fine, but cloudy.
26	28° 78	29° 08	42° 9	42° 1	38° 2	49° 2	1° 2	2° 2	° 250	° 222	91	83	S 1	S 1	10	1	° 035	☼ 2 8a. ☼ showers till 11p.
27	29° 19	29	41° 4	44° 8	34° 9	49° 9	2° 6	2° 8	° 208	° 235	81	79	SW 1	Calm 0	7	7	° 015	Cloudy day.
28	28° 86	47	54° 2	39° 3	37° 5	54° 2	3° 5	2° 4	° 325	° 194	77	81	SW 6	WSW 2	7	1	° 075	☼ showers.
29	29° 71	45	45° 2	47° 6	37° 8	54° 8	3° 5	1° 9	° 226	° 284	75	87	SW 2	SW 5	3	10	° 180	Bright a. Cloudy p. ☼ 2 9p.
30	29° 48	82	45° 5	46° 2	35° 8	49° 9	4° 8	4° 3	° 205	° 321	67	71	SW 3	SW 3	6	8	° 015	Cloudy, with ☼ showers.
31	30° 05	29° 01	44° 7	46° 0	38° 2	53° 1	2° 7	2° 5	° 236	° 255	80	83	W 1	Calm 0	4	5	° 025	Cloudy day.
Mean	29° 453	29° 491	43° 6	43° 2	37° 2	50° 1	2° 0	2° 0	° 244	° 239	85° 8	85° 4	2° 2	1° 8	6° 2	5° 9	3° 796	

## BIRR CASTLE.—MARCH 1903.

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°07	29°24	39°7	32°7	29°8	45°2	3°1	1°2	°186	°161	75	°6	W	4	SE	2	5	0	°355	☼ showers.
2	28°49	28°46	48°7	45°2	31°4	49°7	2°8	0°7	°301	°285	87	95	WSW	3	SE	3	10	10	°680	☼ showers. ☼ (mist) 9p.
3	29°35	29°50	39°7	40°4	34°1	49°7	1°7	1°5	°192	°220	78	88	W	1	SE	1	0	2	°020	Fine and sunny.
4	°45	°46	45°7	42°0	38°8	49°3	3°5	1°8	°231	°229	75	86	W	2	W	3	7	10	°170	Fine and sunny.
5	°57	°72	36°7	34°4	32°7	49°2	1°2	0°7	°195	°185	90	93	SW	2	NE	2	3	3	°200	☼ showers.
6	°82	29°71	34°2	37°7	32°7	43°2	0°5	1°6	°188	°195	95	86	SW	3	SW	3	7	10	°215	☼ showers.
7	29°74	30°05	38°7	33°8	32°3	45°0	1°9	0°9	°198	°176	85	90	SW	2	SW	3	3	3	°043	☼ showers.
8	30°18	29°83	40°3	47°7	32°0	49°9	1°5	1°8	°219	°288	88	87	SW	2	SSE	2	3	10	°240	Cloudy day. T
9	29°58	°71	40°7	35°2	33°5	48°9	0°9	1°3	°235	°181	92	88	NW	2	SE	2	10	3	°040	Overcast and cool.
10	°74	°61	38°2	42°4	35°0	48°9	1°0	1°3	°210	°261	92	90	SSE	1	SE	2	2	10	°030	Fine and sunny. T
11	°53	°40	47°3	46°7	38°9	49°5	2°9	1°0	°259	°275	80	87	SSE	2	SW	5	3	10	°230	Fine, but cloudy.
12	°50	°57	42°2	38°7	37°1	49°2	0°7	0°6	°254	°223	94	95	S	1	SW	1	10	10	°070	Overcast and gloomy.
13	°65	°71	38°7	39°7	31°7	49°7	0°7	1°8	°221	°209	94	85	SE	1	SE	1	0	9	—	Fine and sunny.
14	°90	°72	35°5	37°7	26°8	46°2	3°5	2°2	°145	°185	60	81	NW	1	SW	1	2	9	°010	Fine and sunny.
15	°41	°07	39°2	41°3	29°1	49°5	2°0	1°1	°201	°236	84	92	E	1	SW	2	6	7	°191	Sunny a. ☼ showers p.
16	°31	°25	42°3	45°0	36°8	49°9	4°5	1°5	°185	°264	69	89	W	4	SW	5	3	10	°213	☼ showers.
17	°18	°27	40°7	37°2	30°7	45°2	0°8	1°0	°237	°202	93	91	W	2	SW	2	10	10	°150	Overcast, with ☼.
18	°51	°52	39°2	44°7	31°8	47°9	2°1	1°8	°199	°255	83	87	SSW	3	SW	6	3	10	°403	☼ overn. m. ☼ ☼ showers.
19	°57	°62	50°5	49°9	36°1	52°7	3°9	1°5	°273	°320	75	90	SW	7	SW	8	7	10	°508	Squally ☼.
20	°72	°76	47°0	47°4	37°1	52°0	1°7	1°9	°282	°282	88	87	SW	2	SW	3	10	8	°160	T 9a. ☼ showers.
21	°55	°40	51°7	53°7	46°2	56°9	2°2	2°5	°327	°343	86	83	S	6	SW	7	8	10	—	Cloudy day. T
22	°39	°34	54°9	44°0	43°1	57°7	3°4	0°2	°339	°283	78	98	SW	7	SW	2	8	10	1-313	Overcast and squally.
23	°31	°42	35°7	37°0	32°1	45°2	0°2	1°0	°206	°200	99	91	SW	1	S	2	10	4	°020	☼ ☼ showers
24	29°34	29°01	44°9	48°2	33°5	51°4	2°5	2°4	°242	°279	82	84	SE	3	SSE	7	3	10	°010	Fine day.
25	28°78	28°77	48°7	43°9	41°8	54°0	3°2	1°7	°268	°249	79	87	SW	3	SW	3	3	4	°212	Fine and sunny. ☼ in evening.
26	28°73	29°03	40°7	40°7	37°7	50°6	0°4	2°1	°246	°211	96	84	SW	1	SW	1	10	7	°100	Overcast, with ☼.
27	29°15	°13	43°3	42°3	35°3	48°4	3°4	1°1	°210	°246	75	92	SSE	2	S	2	3	4	°123	Cloudy, with ☼ showers.
28	28°90	°49	43°9	39°7	37°0	51°2	1°7	2°5	°249	°196	87	80	SW	2	WSW	6	10	7	°147	☼ showers.
29	29°68	°43	46°7	43°7	36°4	51°2	3°2	1°9	°247	°244	79	85	S	3	SW	6	3	7	°213	☼ showers.
30	29°49	°91	46°2	42°9	35°1	51°1	5°7	2°3	°197	°228	63	83	W	8	W	1	3	2	°012	☼ shower.
31	30°05	29°84	44°1	46°5	36°2	53°0	1°9	1°9	°247	°272	85	86	SSE	1	ESE	2	3	7	°011	T. Fine and sunny.
Mean	29°437	29°449	42°8	42°1	34°9	49°4	2°2	1°5	°232	°238	83°7	87°9	2°7		3°1	5°4	7°3	5°489		

## DEERNESS.—APRIL 1903.

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. at Station Level.		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 Pressure.		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.	%	%	SE 6	WSW 2	10	10	ins.	
2	29°68	29°60	42°1	42°8	37°3	43°2	2°1	0°7	°224	°259	84	95	NW 3	WNW 1	6	0	Mild day. ☉.	
3	°71	°72	43°0	40°0	37°0	46°4	2°7	1°8	°211	°211	80	86	W 1	W 1	10	10	Very fine day.	
4	°46	°26	42°0	45°0	38°0	47°0	1°6	0°2	°233	°294	88	98	S 6	W 1	10	10	Overcast and muggy all day.	
5	°10	°38	41°0	36°2	35°6	46°2	1°7	0°4	°221	°206	86	96	W 3	NW 5	9	8	☉ showers all day.	
6	°61	°66	39°0	42°7	33°8	43°8	3°9	2°0	°166	°232	71	85	NW 6	SW 2	9	9	°355	
7	°24	°05	45°0	36°8	33°0	49°0	0°2	0°6	°294	°206	98	95	SW 4	W 7	10	9	Rough and stormy. (gale) p.	
8	°02	°54	41°2	34°7	46°0	2°2	3°2	°213	°196	83	76	WNW 7	NW 7	9	8	(gale) ☉ showers all day.		
9	°86	29°95	42°2	44°8	39°8	46°6	1°2	0°3	°243	°291	90	98	NW 6	NW 1	10	10	Mild and muggy.	
10	°94	30°03	46°0	43°0	42°2	48°3	1°0	1°8	°287	°238	93	86	W 4	WNW 1	10	10	Overcast all day.	
11	°37	29°64	44°0	44°0	37°4	46°6	3°0	1°0	°224	°265	77	92	SW 4	S 4	2	10	Fine a. ☉ after 6p.	
12	°91	°30	42°2	37°2	32°8	45°0	2°2	1°7	°223	°189	84	85	WSW 6	NW 9	4	10	☉ ☉ showers all day. (gale)	
13	°47	°41	33°6	35°2	28°8	39°8	1°6	2°7	°160	°156	83	75	WNW 7	NW 8	2	5	Bitterly cold. ☉ showers all day. (gale)	
14	°48	°54	35°6	33°8	32°0	41°0	1°6	1°0	°179	°175	85	89	NNW 7	NNW 7	6	3	Bitterly cold. ☉ showers all day. (gale)	
15	°60	°62	34°0	32°0	31°2	40°0	1°4	1°0	°168	°157	85	87	NW 6	N 4	7	10	☉ 1 in. deep ga. ☉ showers all day.	
16	29°75	29°91	32°0	34°0	30°5	38°3	1°0	2°0	°157	°156	87	79	NNW 5	NNW 7	8	1	☉ a. ☉ showers. Bitterly cold.	
17	30°04	30°12	34°0	30°0	29°0	36°8	2°8	2°0	°142	°116	73	69	N 5	NNW 6	6	10	☉ a. ☉ showers p. (gale)	
18	°17	°21	30°0	32°0	28°0	35°3	2°0	2°0	°116	°137	69	75	NW 6	N 3	6	10	☉ a. ☉ (3 ins. deep).	
19	°16	30°15	34°0	33°7	28°8	36°5	2°5	0°5	°147	°184	75	94	N 3	N 1	10	8	☉ a. (3 ins. deep).	
20	30°07	29°89	37°0	35°0	31°0	42°0	4°2	1°0	°146	°184	67	90	Calm	SE 2	3	10	Fine a. ☉ op.	
21	29°70	°66	35°8	35°0	33°6	40°8	0°8	1°8	°195	°168	93	82	E 5	N 5	10	2	☉ ☉ till noon. ☉ showers p.	
22	°54	°51	35°3	37°5	32°0	41°8	1°3	3°5	°181	°161	88	71	N 6	N 5	9	5	☉ showers all day.	
23	°41	°37	40°0	38°2	33°8	43°0	5°0	3°0	°156	°174	63	76	NW 2	S 1	4	2	Very fine day.	
24	°47	°62	41°4	40°0	37°4	45°0	3°2	3°0	°198	°189	76	76	E 2	E 1	7	3	Very fine day.	
25	°63	°53	45°0	42°3	37°0	45°0	4°6	2°9	°204	°193	68	77	SSE 1	SSE 3	4	0	Very fine day.	
26	°42	°43	45°4	42°0	38°0	47°2	3°6	2°0	°226	°225	75	85	SSE 4	SE 5	1	1	Very fine day.	
27	°48	°47	43°4	43°8	40°2	45°8	1°6	1°6	°247	°250	87	88	SE 4	E 4	9	10	Fine day.	
28	°44	°42	46°8	44°0	41°0	47°2	2°8	1°8	°255	°248	80	86	E 5	E 6	4	5	Fine day. ∞	
29	°34	°40	44°0	43°5	42°8	45°4	0°2	0°5	°283	°271	98	96	E 6	SE 5	10	10	☉ till noon, then ☉.	
30	°39	°35	44°0	43°0	42°0	44°8	0°2	0°0	°283	°277	98	100	ESE 4	E 4	10	10	☉ all day.	
31	29°22	29°36	44°2	44°8	42°0	49°2	0°2	0°6	°285	°283	98	96	SE 6	SE 3	10	10	☉ all day.	
Mean	29°588	29°603	40°1	39°1	35°4	43°8	2°1	1°6	°209	°210	82°7	86°1	4°6	4°0	7°2	7°0	3°13	

DUNROBIN CASTLE.—APRIL 1903.

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°84	29°77	42°5	40°3	38°5	49°0	1°5	2°3	°239	°204	88	82	E	NW	—	—	—	Dull day.
2	°89	°95	45°0	37°5	36°0	52°0	4°0	2°5	°214	°177	72	79	NW	NW	—	—	°03	Fine and sunny.
3	°63	°42	44°2	48°5	34°0	54°0	1°2	2°5	°263	°280	91	82	W	W	—	—	°19	Dull day.
4	°39	°63	45°0	36°0	36°0	51°0	4°5	1°0	°206	°193	69	91	NW	N	—	—	°27	☼☼ (sleet).
5	°87	°74	42°0	45°0	35°0	49°0	3°0	4°0	°207	°214	78	72	W	NW	—	—	°13	
6	°47	°27	48°5	40°0	39°0	52°0	1°5	2°5	°303	°198	89	80	W	NW	—	—	°50	● showers.
7	29°34	29°82	44°0	41°5	35°5	48°5	4°0	3°0	°205	°202	71	78	NW	NW	—	—	°06	Sunny, but with ● showers.
8	30°10	30°15	45°0	48°0	41°0	54°0	4°5	3°0	°206	°263	69	79	NW	SW	—	—	—	Fine, but cold.
9	°14	30°17	49°0	44°5	44°0	59°0	3°0	2°5	°276	°238	79	81	NW	NE	—	—	—	Fine day.
10	30°18	29°82	46°5	46°0	40°0	51°0	1°5	3°0	°281	°244	89	79	W	SW	—	—	—	
11	29°58	°73	39°0	38°5	37°5	47°0	1°0	2°0	°218	°194	92	84	NW	NW	—	—	°20	▲ showers.
12	°85	°73	38°0	32°5	31°0	42°0	5°5	2°5	°135	°133	59	72	NW	NW	—	—	°06	☼ showers.
13	°75	°82	38°0	34°5	31°0	44°0	2°0	1°5	°190	°170	83	84	N	N	—	—	°08	☼ showers.
14	°91	29°81	39°0	33°0	30°0	43°5	1°0	2°5	°218	°138	92	73	N	N	—	—	°03	☼☼ showers.
15	29°06	30°17	36°0	32°0	30°0	41°0	2°0	2°0	°175	°137	82	75	NE	NE	—	—	°25	☼ showers.
16	30°27	°39	35°0	31°0	30°2	41°5	2°0	1°0	°104	°148	80	85	NE	NE	—	—	°12	☼☼ showers.
17	°40	°40	36°0	30°5	30°0	40°0	2°8	1°5	°161	°134	76	77	N	N	—	—	°16	☼ showers all day.
18	°37	°32	34°0	32°0	30°0	35°0	1°0	1°0	°176	°157	89	87	E	SE	—	—	°22	☼☼ (sleet) showers a.
19	30°25	30°05	38°0	35°0	34°0	41°0	3°0	1°0	°173	°184	75	90	S	SW	—	—	—	Fine day.
20	29°85	29°79	40°5	35°0	34°0	57°0	0°5	2°0	°241	°164	96	80	W	E	—	—	°06	Fine and sunny.
21	°77	°68	39°5	36°0	32°0	44°0	3°0	2°0	°185	°175	77	82	E	N	—	—	—	Dull and cold.
22	°62	°48	41°0	41°0	35°0	46°0	6°0	4°0	°149	°180	58	70	NW	W	—	—	—	
23	°60	°76	42°0	37°0	33°2	45°0	4°0	1°0	°190	°200	72	91	S	SE	—	—	—	Fine day.
24	°79	°65	45°0	37°0	36°5	46°0	4°0	2°5	°214	°174	72	79	S	E	—	—	—	Fine, clear, and sunny.
25	°59	°59	45°0	45°0	34°0	49°5	3°0	5°0	°233	°197	78	66	SE	E	—	—	—	Fine, clear, and sunny.
26	°50	°58	43°0	44°0	36°0	47°0	2°0	2°0	°234	°244	84	84	E	E	—	—	°10	Fine day. ∞ <sup>0</sup>
27	°54	°50	44°0	44°0	40°0	44°0	1°5	1°5	°255	°255	88	88	E	E	—	—	—	Dull and cold.
28	°44	°53	45°0	46°0	42°5	47°0	1°0	1°0	°275	°287	92	93	SE	E	—	—	—	Dull day.
29	°52	°47	43°0	43°0	41°0	47°0	1°0	1°0	°255	°255	92	92	SE	E	—	—	°20	Dull day. ∞
30	29°34	29°53	45°0	46°0	42°0	50°0	1°0	1°0	°275	°287	92	93	SE	E	—	—	°03	Dull day. Wet ☼☼☼.
Mean	29°792	29°790	41°9	39°3	35°6	47°2	2°5	2°1	°217	°201	80·8	81·6	—	—	—	—	—	2°69



BRAEMAR.—APRIL 1903.

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. at Station Level.		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 Pressure.		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°67	28°62	38°6	41°0	35°5	45°0	1°1	2°4	°213	°208	92	81	NW	0°5	NW	0°5	8	3	02	● showers.	
3	70	74	40°4	34°4	31°3	46°0	4°6	1°9	°166	°162	66	81	NW	2	NW	0°5	7	0	—	Fair and clear.	
4	58	36	37°8	45°6	28°3	49°2	1°2	2°1	°204	°259	90	85	NW	1	SW	0°5	3	8	07	Dull day.	
5	27	48	41°6	34°9	34°0	45°7	5°5	2°9	°163	°149	63	73	NW	2	NW	0°5	3	6	02	Fair a. ✱ showers p.	
6	66	72	38°4	41°6	33°3	46°9	3°9	3°8	°162	°190	70	74	NW	4	SW	1	6	5	04	Fair and calm.	
7	39	27	49°9	40°6	32°2	52°2	2°8	3°9	°289	°179	82	71	W	6	NW	6	7	5	11	Fair and gusty.	
8	26	59	38°6	37°6	34°0	41°3	3°0	2°9	°178	°172	77	77	NW	6	N	8	7	7	32		
9	90	28°95	39°6	47°0	36°3	50°0	3°3	3°7	°181	°239	74	75	SW	4	NW	0°5	7	8	—		
10	95	29°00	49°6	46°7	37°1	56°0	5°4	2°2	°234	°268	66	85	NW	0°5	W	0°5	5	8	—	Fine day.	
11	96	28°76	42°6	45°0	36°0	49°5	2°0	3°1	°231	°231	85	77	W	1	SW	2	9	9	05	Fine day.	
12	47	44	41°7	34°6	32°0	45°9	1°7	2°9	°228	°145	87	73	SW	2	N	6	10	10	05	✱ showers.	
13	69	55	33°6	29°6	27°5	37°3	1°0	0°1	°172	°162	89	98	N	2	N	1	5	5	07	Cold, with ● showers.	
14	54	61	33°5	31°4	29°6	37°8	1°0	0°6	°171	°162	89	91	N	2	N	4	9	8	08	✱	
15	64	69	33°8	31°6	27°3	37°0	0°6	0°6	°182	°164	93	92	N	2	N	0°5	6	7	01	Fair, but cold.	
16	28°74	28°90	31°6	30°3	28°2	35°6	1°1	0°8	°153	°148	85	88	NW	0°5	N	4	7	8	03	✱ showers.	
17	29°02	29°10	30°8	28°7	27°3	34°0	1°8	1°2	°130	°124	74	79	NW	2	N	2	9	5	04	✱ showers.	
18	74	22	30°6	29°6	25°9	32°8	1°1	1°0	°143	°137	84	83	N	0°5	N	0°5	7	3	02	✱ showers.	
19	11	29°09	34°6	30°8	24°3	38°2	1°1	0°8	°179	°152	90	88	W	0°5	E	0°5	8	10	14	Fair a. ✱ p.	
20	29°00	28°89	34°6	37°3	29°3	46°0	0°9	2°2	°183	°181	92	82	N	0°5	NE	0°5	9	7	16	Dark and dull a. Fair and clear p.	
21	28°67	64	40°0	31°9	30°7	46°3	2°2	1°9	°203	°138	82	76	E	0°5	NE	0°5	8	10	06	Dark and dull a. ✱ p.	
22	53	49	34°6	32°8	29°4	38°8	2°1	0°4	°160	°178	79	96	NE	2	NE	2	7	7	05	Dark and dull a. ✱	
23	43	37	36°9	35°4	28°8	40°0	0°8	1°2	°203	°184	93	89	N	1	NW	0°5	4	7	—	Fair, but cold.	
24	40	56	35°4	32°8	28°2	44°2	1°9	1°5	°171	°155	83	83	NE	0°5	NE	0°5	8	0	—	Fair, but cold.	
25	58	54	37°6	39°4	23°0	51°6	3°1	2°5	°169	°200	75	83	NE	0°5	SW	0°5	3	1	—	Fair and clear.	
26	42	41	42°3	38°8	26°0	53°7	4°4	2°0	°186	°197	69	84	NE	0°5	S	0°5	2	2	—	Fair and clear.	
27	39	36	41°6	43°6	25°4	47°3	3°9	5°0	°188	°186	73	65	NE	2	NE	0°5	6	9	20	Dull and cloudy.	
28	29	28	37°6	38°4	37°2	40°7	0°9	1°3	°208	°206	92	89	NE	1	NE	2	10	10	51	●. Snow on hills.	
29	28	28	34°6	44°4	37°0	48°5	1°5	2°2	°236	°244	90	84	NE	0°5	SE	0°5	10	8	—	Fair, but cloudy.	
30	31	25	40°6	40°4	38°2	44°5	0°6	0°8	°240	°235	95	94	SE	0°5	NE	0°5	10	10	12	Damp ☂ all day.	
30	28°19	28°31	44°0	42°6	39°1	53°8	1°5	1°4	°255	°242	88	89	E	0°5	SE	0°5	8	8	02	Fine day.	
Mean	28°605	28°617	38°5	37°3	31°1	44°6	2°2	2°0	°193	°187	82°2	82°8	1°6	1°6	6°9	6°5	2°29				

LAUDALE.—APRIL 1903.

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° 82	29° 83	46° 8	42° 6	53° 0	2° 8	2° 0	255	234	80	84	W	3	W	2	7	10	° 07	● showers.	
2	° 95	° 93	44° 3	40° 2	34° 3	29° 0	2° 8	2° 0	231	205	83	N	1	NW	1	4	5	° 08	● showers a., then fine.	
3	° 78	° 56	47° 7	49° 0	39° 9	53° 0	1° 7	1° 3	289	315	88	91	W	3	W	3	10	100	● all day.	
4	° 54	° 75	44° 0	37° 0	37° 0	50° 3	2° 7	1° 8	230	186	79	85	NW	3	N	2	5	6	° 11	✱ <sup>2</sup> showers.
5	° 95	° 92	45° 3	46° 2	36° 0	52° 0	3° 9	2° 0	220	263	72	85	N	4	WNW	1	6	10	° 23	Cold.
6	° 65	° 54	51° 0	45° 0	40° 0	51° 8	2° 0	2° 0	323	253	86	85	W	5	W	4	10	10	° 30	Stormy, with ● showers.
7	29° 57	29° 88	44° 3	44° 0	38° 2	48° 0	4° 1	1° 3	207	259	70	90	N	5	N	5	10	7	° 14	✱ showers.
8	30° 16	30° 19	48° 0	47° 0	43° 0	53° 0	4° 0	1° 0	243	298	73	93	N	4	Calm	0	5	10	° 04	Fine day.
9	° 20	30° 25	48° 5	45° 0	44° 0	52° 7	5° 5	0° 6	280	285	82	95	N	2	Calm	0	10	10	° 09	Mild, with ● <sup>0</sup> showers.
10	30° 21	29° 04	46° 0	48° 3	42° 0	52° 5	5° 0	1° 3	207	306	67	91	W	2	W	2	10	10	° 06	Dull and cold.
11	29° 72	° 83	44° 3	41° 2	36° 0	49° 5	3° 3	4° 2	221	179	75	69	NW	4	NW	6	8	8	° 30	✱ <sup>2</sup> Δ <sup>2</sup> showers.
12	° 88	° 90	37° 0	33° 0	30° 4	44° 3	2° 0	1° 0	182	167	83	89	NW	4	NNW	3	10	10	° 10	✱ <sup>2</sup> showers.
13	° 86	° 91	39° 3	35° 0	31° 0	42° 2	3° 9	3° 0	169	148	71	72	NNW	4	N	3	6	7	° 06	✱ showers all day.
14	29° 93	29° 85	38° 8	34° 5	30° 4	49° 0	3° 8	1° 5	166	170	71	84	WNW	1	Calm	0	3	2	° 04	✱ showers.
15	30° 06	30° 17	32° 2	34° 0	31° 2	41° 3	1° 2	2° 0	155	156	85	79	N	4	N	3	8	7	° 02	✱ <sup>2</sup> showers.
16	° 31	° 39	37° 0	34° 9	32° 0	43° 0	1° 8	2° 9	186	149	85	73	N	3	N	1	9	4	° 01	✱ <sup>0</sup> showers.
17	° 44	° 47	38° 0	35° 2	31° 5	41° 0	3° 0	4° 2	173	132	75	64	N	4	N	1	7	6	° 01	✱ <sup>2</sup> showers.
18	° 40	° 30	42° 0	43° 0	30° 2	47° 0	5° 0	2° 6	174	223	66	80	NNW	2	N	1	8	8	—	Cold and dry.
19	30° 22	30° 05	45° 7	39° 0	38° 0	47° 2	3° 7	2° 0	227	199	74	84	N	1	Calm	0	10	2	—	Dull day.
20	29° 86	29° 75	43° 3	40° 2	36° 0	49° 0	3° 1	2° 2	216	205	77	83	NE	1	NE	1	10	10	—	Fine, but overcast.
21	° 76	° 72	43° 0	37° 0	35° 0	49° 0	2° 0	2° 0	234	182	84	83	NE	1	Calm	0	7	3	—	Cloudy day.
22	° 64	° 50	40° 8	39° 2	28° 0	43° 8	3° 8	2° 4	182	193	71	81	Calm	0	Calm	0	9	3	—	Cold and dry.
23	° 53	° 75	44° 0	42° 0	29° 0	50° 5	5° 2	3° 8	185	193	64	73	E	2	Calm	0	7	6	—	Dull, cold, and dry.
24	° 78	° 70	45° 0	44° 0	30° 6	54° 0	4° 0	4° 0	214	205	72	71	E	1	E	2	1	0	—	Fine day.
25	° 53	° 60	49° 5	44° 0	30° 6	54° 0	5° 5	4° 0	230	205	65	71	E	4	SE	4	2	3	—	Dry, clear, and squally.
26	° 54	° 49	48° 0	46° 0	40° 0	55° 0	5° 0	5° 0	224	207	67	67	E	5	E	5	0	2	—	Stormy, clear, and very dry.
27	° 43	° 35	45° 0	45° 3	41° 0	50° 4	4° 0	2° 5	214	248	72	82	SE	3	S	3	5	10	° 01	● shower in evening.
28	° 37	° 43	49° 0	48° 0	45° 0	55° 0	4° 0	2° 0	255	285	73	86	SSE	3	S	1	9	7	—	Dry and cloudy.
29	° 38	° 28	52° 0	50° 0	45° 5	57° 5	4° 2	5° 0	283	245	73	68	E	3	SE	2	8	7	° 02	∞
30	29° 43	29° 41	48° 0	46° 0	45° 5	57° 0	2° 8	2° 0	267	265	80	86	SW	1	S	1	10	7	° 01	
Mean	29° 82	29° 81	44° 3	41° 9	36° 5	49° 6	3° 4	2° 5	221	219	75° 3	80° 9		2° 8		1° 9	7° 1	6° 7	2° 70	

DUNDEE.—APRIL 1903.

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. at Station Level.		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 Pressure.		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.	41°0	42°5	37°9	44°3	0°5	0°5	246	261	96	96	SE	1	SE	1	10	10	ins.
2	76	78	43°0	38°0	36°2	51°2	3°8	1°0	201	208	72	91	NW	2	SE	1	10	7	06 7a-4p.
3	66	41	39°9	48°0	32°4	49°7	0°6	1°0	234	309	95	93	S	1	SW	2	10	10	03 Cloudy day. ▲ 4p.
4	32	53	47°0	37°6	37°0	50°1	5°1	2°4	212	181	66	88	NW	2	NW	2	5	7	02 6a-10a.
5	72	76	43°5	44°0	35°2	50°5	4°3	2°7	196	230	69	79	NW	4	W	1	10	10	02 Fine day.
6	45	28	49°6	45°6	41°5	57°0	1°6	4°4	314	214	89	70	W	4	W	6	10	10	02 Dull day.
7	26	29°60	44°3	41°2	36°4	50°0	4°8	2°6	195	207	66	80	NW	10	NW	4	7	10	06 Cloudy day.
8	29°92	30°00	48°4	46°8	39°2	57°6	4°8	2°3	232	266	69	84	NW	4	NW	1	5	10	06 (gale) till 4 p. ● 6p.
9	30°02	30°03	49°5	52°1	43°1	57°2	2°5	2°6	292	322	83	82	SW	1	SW	1	10	10	— Fine day.
10	30°05	29°85	45°2	47°9	43°2	54°8	0°2	2°4	297	276	99	84	S	1	W	4	5	10	— Dull day.
11	29°52	48	50°4	38°0	36°2	51°7	4°2	2°0	265	190	73	83	W	6	NW	6	5	0	07 Cloudy day.
12	68	63	38°7	33°2	29°0	43°2	4°2	2°0	159	149	68	79	NW	4	NW	4	5	0	01 X <sup>0</sup> ● <sup>0</sup> (sleet).
13	58	65	36°1	33°4	30°2	43°7	3°1	2°1	157	149	73	78	NW	4	NW	4	10	5	— X <sup>0</sup> ● <sup>0</sup> (sleet) n. ▲ noon-2p.
14	72	64	39°2	35°5	30°0	42°8	4°6	1°9	157	172	66	83	NW	2	NW	1	7	10	— 10a-5p.
15	29°77	29°94	37°6	32°3	29°0	43°8	4°4	0°3	148	178	65	97	N	6	NW	4	5	7	— Dull from 1p.
16	30°08	30°16	39°4	32°5	30°2	43°9	4°6	1°3	158	167	85	67	NW	2	NE	2	5	5	— X <sup>0</sup> showers.
17	22	29	37°0	31°6	28°8	40°5	4°8	3°1	137	112	62	63	NW	4	NW	2	5	10	— X <sup>0</sup> showers.
18	21	30°18	39°2	33°0	29°1	43°3	4°7	0°0	156	188	66	100	NW	2	E	1	10	10	07 Cloudy day.
19	30°07	29°91	35°0	37°0	31°7	43°6	0°3	0°5	198	210	97	96	E	1	SE	1	10	10	07 Dull day. X showers from 5p.
20	29°70	64	41°9	35°2	31°2	50°8	1°3	1°2	239	182	91	88	SW	1	NE	4	10	10	— X and X● (sleet) till 9a.
21	56	51	42°6	34°2	31°5	45°6	4°4	2°2	188	154	70	78	NE	4	NE	2	5	10	— Dull day.
22	47	38	43°0	37°8	30°2	44°5	4°8	2°2	184	186	66	82	NE	1	SW	2	10	10	— Cloudy day.
23	44	59	44°6	35°6	30°6	48°3	5°1	1°3	193	185	65	88	SE	2	E	1	5	0	— Dull day.
24	63	56	44°3	36°7	29°5	51°9	4°3	1°1	203	196	69	90	NE	2	SE	1	5	7	— Fine day.
25	44	45	45°3	39°8	28°7	53°9	3°4	0°4	229	237	75	97	SE	1	SE	1	0	5	— Fine day.
26	43	36	50°0	41°0	37°6	51°1	4°7	0°7	251	242	70	94	SE	2	E	4	5	10	03 Dull day. ● 9p.
27	30	28	41°5	42°0	38°4	43°2	0°8	0°0	245	267	94	100	E	4	SE	4	10	10	49 ● n. and during day.
28	29	33	43°4	43°9	41°8	50°9	0°1	0°2	279	282	99	99	SE	1	SE	2	10	10	— ● n. 2 to 11a.
29	31	19	43°4	42°8	40°0	45°7	0°5	0°5	271	264	95	96	E	4	NE	6	10	10	25 2 from 6p.
30	29°23	29°30	49°0	45°0	42°2	57°7	1°0	0°4	322	289	93	97	SE	1	SE	2	5	10	— Dull day.
Mean	29°650	29°643	43°1	39°5	34°6	48°7	3°1	1°5	219	215	77°6	87°1	2°8	2°6	7°3	8°1	1°11		

GLASGOW.—APRIL 1903.

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

1	29°66	29°67	42°9	41°4	40°1	49°6	0°7	2°8	°250	°205	95	79	Calm	o	W	1	10	4	°036	☼ <sup>0</sup> (mist) a. ☼ till 1p. Cloudy
2	°78	°79	41°9	39°7	35°7	48°1	3°6	2°4	°201	°198	74	80	W	1	Calm	o	4	2	°037	Fine and clear. [day.
3	°61	°42	44°1	48°8	38°1	49°1	1°2	0°8	°262	°325	90	94	SW	2	SW	2	10	10	°353	Overcast, with ☼.
4	°38	°58	44°4	37°7	37°6	49°1	4°1	1°6	°208	°195	71	86	W	1	SW	1	5	0	°027	☼ early a. Squally ☼ showers.
5	°77	°79	43°5	44°7	37°1	49°1	3°8	1°9	°205	°253	73	86	W	2	SW	1	6	10	°026	Fine a., then cloudy. ☼ n.
6	°51	°39	42°9	45°2	43°1	52°8	0°8	3°7	°331	°223	95	74	SW	1	SW	2	10	6	°073	☼ a. Squally (gale). ☼ shower
7	°39	°29°65	42°0	43°7	39°4	48°1	3°0	3°2	°207	°218	78	76	NW	2	NW	1	3	2	—	Squally ☼. Fine and clear. [6p.
8	°29°94	°30°00	47°2	47°0	39°9	54°1	5°1	3°0	°214	°253	67	79	NW	1	W	1	2	7	—	Fine and clear.
9	°30°03	°30°06	47°3	48°2	42°8	52°9	2°0	1°9	°227	°290	86	87	W	1	W	1	10	10	—	☼. Cloudy day.
10	°30°06	°29°84	46°2	49°1	44°3	51°3	4°1	2°1	°225	°297	73	85	Calm	o	SW	1	6	10	°032	Dull day.
11	°29°58	°60	46°0	38°5	37°4	49°4	2°3	2°5	°229	°185	84	80	SW	4	NW	3	6	10	°038	Squally ☼. ☼☼☼ (sleet) showers.
12	°71	°67	38°7	33°9	33°6	43°1	4°0	1°7	°162	°161	69	82	W	1	W	1	6	2	°013	Fine day. ☼☼☼ (sleet) showers
13	°63	°69	37°4	34°6	30°4	44°3	5°3	2°6	°134	°151	60	75	W	1	NW	1	5	0	—	Fine day. [2p.-3p.
14	°76	°63	37°9	35°5	31°6	42°1	5°3	0°6	°138	°172	60	93	NW	1	Calm	o	6	10	°260	Fine a. ☼ 4p.-9p. ☼ 2½ ins. deep.
15	°29°80	°29°98	36°5	35°1	27°6	43°1	4°3	4°2	°141	°131	65	64	NW	1	W	1	3	0	°030	Fine and clear. ☼☼☼ showers 1p.-
16	°30°10	°30°18	38°4	35°3	31°4	42°1	6°4	4°1	°126	°134	54	65	NW	1	N	1	5	5	—	Fine day. [2p.
17	°24	°30	36°7	34°7	30°3	42°3	4°7	5°4	°166	°106	62	54	NW	1	N	1	7	0	—	Fine day.
18	°25	°30°14	39°4	38°3	29°6	47°2	4°4	2°4	°161	°185	67	80	W	1	E	1	10	10	—	☼ 1a. Cloudy day.
19	°30°05	°29°88	42°2	42°7	34°2	52°5	3°5	3°9	°200	°198	75	72	Calm	o	Calm	o	10	5	—	Dull day.
20	°29°68	°58	42°3	40°2	34°4	49°1	3°2	1°7	°206	°215	77	87	Calm	o	NE	1	10	10	°010	☼☼☼ a. Overcast day. ☼ n.
21	°54	°52	41°5	37°2	34°9	44°9	5°5	3°9	°161	°153	62	69	NE	2	N	1	2	2	—	☼ 1a. Clear a. and p. Cloudy day.
22	°45	°36	38°9	39°0	30°6	44°1	4°4	3°0	°158	°181	67	77	W	1	S	1	8	7	—	Dull day.
23	°38	°58	41°4	37°9	34°1	46°7	3°9	2°9	°187	°174	72	76	E	1	NE	1	7	4	—	☼☼☼ (mist). Dull day.
24	°61	°53	36°5	43°9	30°1	53°8	1°7	3°8	°184	°201	85	72	SW	1	Calm	o	5	6	—	☼☼☼ (mist) a. Fine day. ∞ n.
25	°40	°37	44°4	40°9	32°8	56°0	4°5	4°3	°200	°226	68	72	Calm	o	Calm	o	5	3	—	☼☼☼ (mist) a. Cloudy day.
26	°35	°29	44°1	42°4	37°8	49°5	4°3	2°4	°201	°221	69	82	E	3	E	2	9	9	°015	Cloudy day. ☼ <sup>0</sup> 10p.
27	°22	°19	44°5	45°0	39°3	46°8	3°1	1°4	°227	°266	77	89	SE	1	Calm	o	9	10	—	Dull day.
28	°25	°28	48°2	50°9	40°9	52°1	4°7	4°2	°233	°271	69	73	E	1	Calm	o	8	10	—	Dull day.
29	°20	°14	46°7	43°9	41°9	51°1	1°7	1°0	°279	°265	88	92	E	1	NE	1	10	10	°090	Overcast day. ☼ from 9p.
30	29°18	29°25	48°7	47°8	43°1	55°3	2°5	1°9	°284	°286	82	86	Calm	o	E	1	7	8	°410	☼ early a. ☼ <sup>0</sup> 2 1p.-2p. Dull day.
Mean	49°650	29°644	42°26	41°55	36°11	48°77	3°66	2°77	°2055	°2111	73°88	78°99	1°11		0°99	6°99	5°77	1°450		



COCKLE PARK (NEAR MORPETH).—APRIL 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long.  $1^{\circ} 41' W.$  Lat.  $55^{\circ} 13' N.$  Gravity Correction,  $+0.26$  in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		Percentage.									
							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° 57	29° 46	42° 0	44° 0	39° 0	47° 0	1° 0	2° 0	° 245	° 244	92	84	S	2	NW	3	10	10	(mist) ga.    ● <sup>2</sup> during day.	
2	° 55	° 64	43° 0	34° 0	33° 0	47° 0	2° 0	1° 0	° 234	° 176	84	89	N	4	W	1	8	0	— Fine and sunny.	
3	° 55	° 32	44° 0	50° 0	31° 0	50° 0	2° 0	2° 0	° 244	° 309	84	86	S	3	SW	6	10	10	— Dull, with ● showers.	
4	° 17	° 35	48° 0	38° 0	37° 0	51° 0	5° 0	3° 0	° 224	° 173	67	75	NW	7	NW	6	6	1	— Fine and sunny.	
5	° 58	° 65	47° 0	41° 0	33° 0	51° 0	6° 0	2° 0	° 197	° 215	61	84	NW	5	W	4	7	9	° 10	— Fine and sunny.
6	° 39	° 21	49° 0	47° 0	39° 0	52° 0	1° 0	3° 0	° 322	° 253	93	79	SW	7	W	9	10	5	° 32	— (mist) ga.    (gale).
7	° 16	° 35	46° 0	42° 0	38° 0	52° 0	5° 0	3° 0	° 207	° 207	67	78	NW	8	NW	8	4	10	° 30	— Fine and sunny.    ● in evening.
8	° 72	° 84	47° 0	39° 0	36° 0	52° 0	5° 0	2° 0	° 214	° 199	67	84	NW	5	NW	1	8	4	— Fine and sunny.	
9	° 88	° 89	50° 0	46° 0	36° 0	54° 0	4° 0	1° 0	° 265	° 287	74	93	W	1	W	2	9	4	— Fine day.	
10	° 90	° 74	52° 0	47° 0	42° 0	60° 0	3° 0	3° 0	° 310	° 253	80	79	W	2	S	3	4	9	— Splendid day.	
11	° 49	° 38	47° 0	37° 0	35° 0	52° 0	2° 0	3° 0	° 275	° 165	86	75	SW	6	W	8	10	1	—	
12	° 51	° 48	43° 0	30° 0	29° 0	47° 0	8° 0	1° 0	° 138	° 140	49	83	NW	5	NW	5	8	1	° 055	— ✕ showers.
13	° 38	° 47	35° 0	34° 0	26° 0	46° 0	3° 0	2° 0	° 148	° 156	72	79	NW	6	NW	4	8	4	° 005	— ✕ in evening.
14	° 54	° 44	41° 0	32° 0	27° 0	45° 0	6° 0	0° 0	° 149	° 182	58	100	NW	5	E	3	2	10	° 680	— Sunny day. ✕ n. 2½ ins. deep.
15	° 54	° 72	33° 0	32° 0	26° 0	39° 0	1° 0	1° 0	° 167	° 157	89	87	N	4	NE	1	10	6	—	— ✕ 8 ins. deep. ✕ ga.
16	° 86	29° 05	35° 0	31° 0	27° 0	41° 0	3° 0	1° 0	° 148	° 148	72	85	NW	5	NW	5	7	2	° 013	— ✕ showers. Sunny day.
17	° 99	30° 03	36° 0	32° 0	28° 0	40° 0	4° 0	1° 0	° 142	° 157	66	87	NW	5	N	6	8	3	° 007	— ✕ during day. Sunny day.
18	° 99	30° 00	41° 0	34° 0	27° 0	43° 0	6° 0	1° 0	° 149	° 176	58	89	NW	6	Calm	0	7	10	° 020	— ✕. Fine day. ✕ n.
19	° 87	29° 75	38° 0	34° 0	31° 0	43° 0	1° 0	1° 0	° 208	° 176	91	89	N	3	W	1	10	4	—	— ✕ a.
20	° 53	° 40	48° 0	39° 0	32° 0	50° 0	4° 0	1° 0	° 243	° 218	73	92	NW	2	NE	2	6	10	° 020	— Fine day.
21	° 34	° 29	41° 0	34° 0	32° 0	44° 0	4° 0	1° 0	° 180	° 176	70	89	N	3	NW	3	9	7	° 070	— Sunny day. ✕ showers n.
22	° 27	° 24	40° 0	36° 0	31° 0	43° 0	3° 0	1° 0	° 189	° 193	76	91	N	2	Calm	0	8	9	—	— ✕ before ga.
23	° 25	° 38	43° 0	34° 0	33° 0	46° 0	4° 0	1° 0	° 197	° 176	71	89	E	3	N	2	4	7	° 020	— Fine and sunny.
24	° 40	° 37	42° 0	31° 0	30° 0	47° 0	4° 0	1° 0	° 190	° 148	72	85	N	5	NW	2	8	1	—	— Fine and sunny.
25	° 27	° 26	48° 0	37° 0	28° 0	51° 0	1° 0	0° 0	° 309	° 220	93	100	NW	1	Calm	0	1	4	—	— (mist) ga.    Splendid day.
26	° 18	° 12	48° 0	41° 0	37° 0	48° 0	3° 0	1° 0	° 263	° 235	79	92	NE	3	E	3	8	8	° 075	— Fine a.
27	° 03	° 07	42° 0	43° 0	39° 0	43° 0	0° 0	0° 0	° 267	° 277	100	100	E	3	SE	4	10	10	° 195	— ● (mist).
28	° 13	29° 16	46° 0	41° 0	40° 0	55° 0	1° 0	0° 0	° 287	° 257	93	100	SW	1	NW	1	5	2	—	— (mist).
29	° 07	28° 97	43° 0	43° 0	36° 0	45° 0	0° 0	0° 0	° 277	° 277	100	100	E	3	SW	3	10	4	° 363	— ● (mist).
30	29° 06	29° 10	51° 0	44° 0	35° 0	54° 0	3° 0	0° 0	° 299	° 288	80	100	SE	2	N	1	8	10	° 020	— (mist) ● showers.    T
Mean	29° 47.1	29° 46.7	43° 6	38° 2	33° 1	48° 0	3° 2	1° 3	° 223	° 208	77.2	88.1	3° 9		3° 2	7° 4	5° 8	17° 80		

SCARBOROUGH.—APRIL 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

1	29°87	29°68	42°5	45°0	34°0	48°0	2°0	0°5	229	287	84	96	SW	3	N	3	10	10	15	Very dull day.
2	73	84	41°8	49°0	30°5	45°5	0°6	0°8	252	221	95	93	N	4	N	3	10	4	06	Very dull day.
3	87	64	38°5	47°0	36°0	52°0	2°0	0°5	194	309	83	96	SW	4	SW	6	6	10	06	Very dull day.
4	44	57	48°0	42°5	37°5	53°0	0°5	3°5	322	201	96	74	W	6	NW	4	10	4	02	Fine day.
5	77	88	42°5	45°5	36°0	49°5	3°5	2°0	201	229	74	84	NW	6	W	3	3	4	05	
6	73	54	46°0	49°5	41°0	55°5	1°2	1°0	283	328	91	93	W	6	NW	7	10	6	01	Fine day. ↗ (gale) 9p.
7	46	29°53	46°8	40°2	36°0	52°5	4°6	0°2	219	244	68	98	NW	8	NW	10	6	10	06	Fine day. ↗ (gale).
8	29°88	30°00	43°5	43°0	37°5	49°5	3°0	1°5	219	244	78	87	NW	8	N	4	6	6	—	↗ (gale) 9a. Very fine day.
9	30°08	11	43°8	45°5	40°0	52°0	2°8	1°5	225	269	79	88	N	4	SE	2	6	8	—	Very fine day.
10	30°14	30°06	46°5	47°5	39°5	58°0	1°5	1°5	280	292	88	88	W	2	SW	3	10	6	—	Fine day.
11	29°83	29°68	49°5	41°5	38°5	55°5	2°0	2°5	303	211	86	80	W	5	W	5	8	8	04	Dull. ● <sup>0</sup> .
12	77	70	41°5	36°0	34°0	51°0	2°5	1°0	211	192	80	91	NW	3	NW	4	8	8	06	Dull at intervals, with ✱ <sup>0</sup> .
13	63	66	36°5	38°0	30°0	45°5	3°0	3°0	160	173	74	76	NW	4	NW	5	6	3	05	Fine day.
14	76	77	35°5	38°0	30°0	45°0	2°3	0°5	164	218	79	95	NW	6	N	2	4	6	16	Very fine day.
15	29°70	29°89	35°5	35°0	32°0	43°5	1°8	1°2	160	180	83	88	N	3	N	7	3	6	25	Fine. Squally ↗. ✱ <sup>0</sup> . ↗ (gale)
16	30°02	30°10	34°5	35°5	31°0	42°5	2°0	2°0	160	170	81	82	N	6	N	6	6	8	40	✱ <sup>0</sup> ✱ <sup>0</sup> . Fine, with ↗.
17	17	19	33°0	34°5	30°0	39°5	1°0	1°5	167	170	88	84	N	3	N	7	4	6	06	✱ <sup>0</sup> ↗ (gale). ☒
18	21	30°19	36°5	36°0	30°0	44°0	3°0	1°2	160	188	74	89	N	4	N	3	8	10	06	✱ <sup>0</sup> ● <sup>0</sup> (sleet). ✱ <sup>0</sup> .
19	30°16	29°97	36°5	38°8	32°5	40°5	1°0	2°3	196	191	91	81	NW	4	N	4	10	6	02	✱. Dull, with ✱● (sleet).
20	29°79	60	40°0	42°0	29°0	47°5	1°5	1°0	216	245	87	92	SW	3	N	2	6	10	—	Dull day.
21	56	49	42°0	39°0	33°0	45°0	3°2	2°8	202	184	76	77	NE	3	NE	3	6	8	02	Very fine day.
22	47	45	40°2	40°0	28°5	44°5	3°2	3°0	186	188	75	76	N	5	NE	3	6	2	—	Very fine day.
23	45	53	43°0	40°8	33°0	45°0	3°5	2°0	206	214	74	84	NE	3	NE	4	6	6	—	Fine day.
24	54	54	42°5	40°0	33°8	45°5	4°5	2°5	184	197	67	80	N	7	N	4	6	3	—	↗ (gale) 9a. Very fine day.
25	50	50	41°0	43°5	34°0	50°5	4°0	1°0	181	260	70	92	NW	3	N	5	3	8	—	Fine and dry.
26	40	32	46°0	41°5	35°0	47°5	1°5	1°0	275	239	88	92	NE	5	NE	4	8	6	06	Dull a. Fine p.
27	25	27	44°0	43°5	39°5	44°5	0°5	0°5	276	271	96	96	S	3	SE	4	10	10	31	Dull day. ●
28	37	37	47°5	39°0	58°8	1°5	2°0	292	280	88	85	S	2	S	4	10	8	38	Overcast day.	
29	27	19	46°0	47°5	42°5	55°2	1°0	1°0	287	304	92	92	S	4	S	5	8	10	21	Dull day. ↗ 8p.
30	29°30	29°32	49°0	46°8	43°5	53°5	1°0	0°8	322	301	92	94	S	3	S	3	8	10	25	Dull, with ☘.
Mean	29°703	29°685	42°0	41°6	35°1	48°7	2°2	1°5	225	233	82°6	87°4		4°3		4°3	7°0	7°0	2°74	

Cronkbourne.—April 1903.

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. at Station Level.		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 Pressure.		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°75	29°76	47°2	40°6	40°6	52°7	0°1	0°4	°322	°244	99	97	WSW 2	WNW 1	10	3	°050 ☽ (mist) a. ☼ showers.	
2	°86	°89	43°4	35°7	35°7	47°6	1°7	0°4	°245	°202	87	97	NW 5	N 2	1	2	°108 Very fine and sunny. ☼ n.	
3	°76	°65	45°8	50°0	34°1	50°0	0°0	0°2	°309	°356	100	99	SW 3	WSW 4	10	10	°375 ☽ (mist) a. Overcast, with ☼	
4	°55	°75	45°2	40°6	40°2	50°0	1°0	0°6	°278	°240	93	95	NW 5	NW 4	6	3	°020 Fine till 6p., then ☼	
5	°93	°92	44°5	44°6	39°3	49°7	1°8	0°4	°253	°285	87	97	W 4	NW 2	7	10	°035 Cloudy day. ☼ showers p.	
6	°72	°60	50°7	49°4	44°6	53°6	1°1	1°4	°342	°317	92	90	WSW 5	W 4	8	8	°007 Cloudy day.	
7	29°59	29°76	47°2	45°2	44°2	49°8	2°4	2°2	°269	°251	84	84	NW 6	NW 6-7	8	1	°021 Cloudy, with squally ☼ showers	
8	30°03	30°08	48°2	45°8	42°3	51°0	2°8	1°8	°270	°267	81	87	NW 3-4	NW 3	3	7	— Fine and sunny.	
9	°11	°14	51°8	46°2	44°0	54°6	2°8	0°4	°313	°304	81	98	NNW 3	NNW 2	6	7	— Fine a. Dull p.	
10	30°14	30°01	49°4	48°0	44°0	55°8	0°9	0°0	°330	°335	94	100	WNW 1	SSW 3-4	8	10	— ☽ a. Fine day.	
11	29°81	29°83	48°4	40°0	39°2	52°7	0°9	1°9	°318	°209	94	85	WSW 4-5	NW 5	5	8	°042 Fine day. ☼ n.	
12	°84	°82	40°7	35°6	35°6	44°5	1°5	0°6	°222	°197	88	95	WNW 5	WNW 4	5	7	°106 Sunny day. ☼☼ showers p.	
13	°78	°80	39°3	36°3	31°5	43°8	2°9	0°9	°185	°198	78	93	NNW 4	NW 4-5	5	4	°021 ☼ a. Sunny day.	
14	°87	29°63	40°6	42°2	34°0	44°0	2°1	0°9	°211	°250	84	92	WNW 5	W 5-6	3	10	°410 ☼ a. ☼ from 4p.	
15	29°88	30°01	43°4	34°8	34°0	47°0	3°7	0°6	°206	°190	74	94	N 5-6	WNW 2	6	1	— Very fine and sunny.	
16	30°17	°22	43°0	36°8	30°0	45°2	4°8	1°8	°184	°184	66	85	N 3	NNW 3	3	3	— Fine and sunny. ☼° from 4p.	
17	°29	°32	40°1	35°7	29°1	45°0	5°4	1°7	°151	°178	61	84	N 3	NNW 2	7	1	— Very fine and sunny.	
18	°31	30°22	43°0	33°4	30°3	45°8	5°0	0°9	°181	°173	65	90	WNW 3	N 1	4	0	— Cloudy day.	
19	30°11	29°95	48°7	38°2	30°2	50°4	3°7	0°6	°257	°220	75	95	SW 1	N 1	3	3	— Fine and sunny.	
20	29°75	°59	46°7	42°4	33°0	49°7	2°5	1°1	°261	°248	82	91	SSW 2	Calm 0	6	6	°180 Fine and sunny.	
21	°55	°53	37°7	37°0	37°0	47°0	0°7	1°6	°212	°189	94	86	E 3	NE 3	10	0	°030 ☼ a. Fine p.	
22	°50	°45	42°0	33°5	32°4	46°8	3°0	1°1	°207	°170	78	88	NE 2	NNW 1	3	2	— Fine a. Dull p.	
23	°41	°58	42°7	36°0	29°4	45°8	2°5	0°5	°222	°203	81	96	ESE 2	NW 2	7	2	— Fine and sunny.	
24	°68	°61	46°6	40°8	32°0	52°0	1°5	2°0	°210	°214	66	84	NW 3	WNW 1	0	0	— Very fine and sunny. ☽ p.	
25	°47	°40	49°6	45°4	32°4	51°3	2°0	0°6	°305	°290	86	96	SSW 3	SSE 2	3	10	°018 Fine a. Dull p. ☼ n.	
26	°32	°26	45°0	45°8	43°0	51°8	3°5	2°6	°224	°250	75	81	E 4-5	E 3	4	9	— Fine and sunny.	
27	°21	°25	47°1	39°0	39°0	51°6	3°6	0°8	°242	°222	75	94	E 2-3	NNW 1	3	2	°058 Fine day. ☼ n.	
28	°29	°25	49°1	50°0	33°5	52°8	1°1	1°9	°321	°312	92	87	S 3	ENE 4-6	8	10	°110 Dull a. Fine p. ☼ n.	
29	°14	°17	48°2	44°3	50°9	0°4	0°5	°328	°279	98	96	E 3-4	WNW 1	10	3	°116 Overcast, with ☼ showers.		
30	29°21	29°27	50°3	44°7	36°1	55°2	1°7	0°9	°321	°275	88	93	E 2	NW 1	9	3	°118 Fine day. ☼ n.	
Mean	29°733	29°724	45°5	41°3	36°5	49°6	2°4	1°0	°257	°242	83°3	91°6	3°4	2°7	5°8	4°7	1°815	



## HILLINGTON.—APRIL 1903.

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. at Station Level.		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 Pressure.		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.	44.5	45.4	38.0	50.3	1.8	0.5	.253	.292	86	96	W	1	Calm	0	6	10	ins.	Fair, but sunless. ● n.
2	29.74	29.71	44.2	41.5	39.5	47.3	0.6	0.4	.245	.253	95	97	N	2	N	1	10	10	.33	Sunless day. ● p.
3	29.74	29.71	44.2	41.5	39.5	47.3	0.6	0.4	.245	.253	95	97	N	2	N	1	10	10	.38	Sunless day. ● p.
4	29.94	29.99	43.0	47.0	31.0	53.4	1.7	0.8	.240	.303	86	94	SW	1	SW	2	2	10	.20	Fine and sunny. ● n.
5	29.55	29.59	49.1	41.1	40.1	55.7	1.2	2.2	.318	.213	92	83	W	4	W	3	8	0	.14	Overcast day. Clear p.
6	29.89	29.95	43.4	45.4	35.2	51.6	2.7	2.5	.225	.247	80	81	W	4	NW	2	0	5	—	Fine and sunny.
7	29.84	29.64	44.5	49.0	38.0	56.2	1.9	2.1	.251	.295	85	85	W	2	W	3	10	10	—	Cloudy day.
8	29.59	29.63	46.2	43.8	43.8	51.0	4.0	4.1	.225	.203	72	71	NW	4	N	5	8	6	.07	Sun and cloud. Dull p. ● n.
9	29.99	30.05	43.6	44.1	39.5	49.4	2.9	2.4	.222	.236	78	82	NW	4	W	2	10	7	—	Cloudy to overcast.
10	30.09	30.18	44.0	36.1	36.1	50.0	3.1	1.5	.223	.183	77	86	W	2	N	1	5	0	—	Cloudy a. Sunny p.
11	30.20	30.14	41.5	41.4	33.9	52.3	1.8	1.9	.225	.221	86	85	N	3	SW	2	8	7	—	Sunless all day.
12	30.04	29.82	50.0	46.0	39.0	54.4	2.9	1.5	.288	.275	79	88	SW	3	W	5	6	10	.02	Overcast day. ● p.
13	29.89	29.78	43.0	34.1	34.1	47.9	3.3	0.5	.209	.186	76	94	NW	4	NW	1	4	0	.05	☼ a. Sunny day.
14	29.75	29.71	38.0	37.4	30.0	46.3	3.8	2.1	.160	.184	70	82	NW	3	NW	4	6	0	—	Fine and sunny.
15	29.85	29.88	39.2	40.2	30.8	48.4	4.4	2.5	.160	.200	67	80	NW	3	N	4	4	10	.11	☼ early. Very fine and sunny.
16	29.84	29.04	38.0	37.0	33.8	47.6	3.0	3.8	.173	.152	76	69	N	4	N	4	6	0	.01	☼ a. Dull, then fine.
17	30.07	30.09	32.2	35.4	30.9	43.9	0.5	1.7	.171	.174	93	85	N	3	N	2	10	5	.16	☼ a. and p. Fine day.
18	29.19	29.14	36.4	32.9	30.4	44.1	2.6	0.6	.167	.174	77	92	N	4	N	3	5	6	.05	☼ a. and p. Very fine.
19	29.24	29.21	38.5	37.2	29.8	46.4	5.0	1.5	.146	.193	62	86	NW	3	N	3	2	5	.05	Fine and sunny.
20	30.14	29.96	40.5	35.9	34.5	44.3	2.1	1.1	.210	.188	83	90	W	3	W	1	0	4	—	☼ early. Fine, then overcast.
21	29.82	29.64	42.0	41.8	33.5	56.4	2.7	1.6	.211	.231	79	87	W	3	NW	1	4	2	—	Very fine and sunny.
22	29.61	29.55	43.0	39.5	38.0	47.5	4.1	4.0	.196	.169	70	70	NE	3	N	3	8	2	—	Cloudy, then sunny.
23	29.43	29.52	44.1	34.9	32.0	48.2	5.2	1.0	.186	.183	64	90	NE	4	NE	2	5	0	—	Very fine and sunny.
24	29.43	29.54	44.2	40.0	29.5	48.4	4.5	3.3	.199	.184	69	74	NE	3	N	3	5	10	—	Very fine and sunny.
25	29.44	29.55	42.0	40.0	38.2	48.0	3.8	2.3	.192	.201	72	81	N	5	N	4	6	5	—	Cloudy, then sunny.
26	29.50	29.48	48.0	42.1	33.5	56.4	7.1	3.4	.188	.199	56	75	N	3	NW	2	2	10	—	Fine and sunny.
27	29.44	29.43	45.0	42.0	39.2	50.3	2.2	0.9	.250	.247	84	93	NW	1	E	3	3	10	.15	Nearly sunless.
28	29.23	29.29	46.1	46.1	42.0	52.4	1.3	1.4	.281	.278	90	89	SE	4	SE	1	10	2	.02	Sunless day.
29	29.49	29.48	50.0	49.0	36.0	60.4	5.1	2.4	.242	.288	67	83	SE	1	SE	1	6	5	.09	Sun and cloud.
30	29.28	29.37	50.9	47.0	47.0	61.3	2.0	1.8	.321	.279	86	87	S	3	SE	1	10	0	.25	Distant ☼.
31	29.37	29.39	53.0	50.1	44.6	60.9	4.2	2.5	.295	.299	73	82	SE	3	SE	2	8	8	—	Distant ☼.
Mean	29.759	29.741	43.5	41.4	36.1	51.0	3.1	1.9	.222	.224	77.7	84.6	3.0	2.3	5.9	5.3	2.08			

## CHURCHSTOKE.—APRIL 1903.

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°37	29°31	46°8	41°1	35°6	56°1	1°3	1°4	289	228	90	88	W	1	SW	2	10	10	010	● showers.
2	29°41	29°49	41°8	35°1	33°7	48°5	4°3	1°9	182	168	68	82	NW	2	NW	2	8	0	010	Bright, with cool breeze.
3	29°45	29°34	43°4	48°9	31°2	53°1	1°9	1°2	239	316	85	91	SSW	2	SW	3	10	10	040	● showers.
4	29°17	29°32	48°7	42°6	41°8	50°9	0°9	3°5	321	203	93	74	SW	3	WSW	2	10	10	062	Squally, with ● showers.
5	29°53	29°55	45°5	42°9	36°8	53°1	4°8	2°0	205	233	67	84	WNW	2	W	2	8	10	—	Passing clouds.
6	29°42	29°26	50°2	48°3	42°0	53°5	2°4	1°6	303	298	83	88	SW	3	SW	2	10	10	—	Dull day.
7	29°22	29°34	46°4	43°6	42°8	51°9	5°3	4°9	204	187	65	66	WNW	4	NW	4	9	8	—	Cool.
8	29°54	29°63	47°7	39°6	38°9	54°0	5°0	1°9	222	205	67	85	NW	3	NW	2	8	0	—	Bright, with cool wind.
9	29°67	29°61	44°7	46°0	33°3	53°9	1°7	1°3	257	220	87	90	WNW	2	NW	1	8	10	—	┌ a. Cool breeze. ∞
10	29°72	29°64	47°7	48°5	42°2	57°2	2°0	6°6	283	201	85	59	E	1	NNW	2	10	0	—	Cloudy day.
11	29°51	29°39	49°6	39°9	39°8	52°9	3°0	3°3	281	183	79	74	WSW	4	NW	2	10	2	030	Cloudy day. ● shower 7p.
12	29°45	29°41	42°6	39°9	32°6	47°3	5°7	1°2	167	162	61	85	WNW	3	NW	2	8	0	010	✱ Ba. ✱ storms during day.
13	29°33	29°39	38°6	30°2	30°0	44°3	2°7	1°0	183	142	78	84	WNW	3	WNW	1	6	0	010	✱ showers.
14	29°43	29°36	41°1	38°4	29°8	49°0	5°2	2°7	162	182	63	78	WNW	3	SW	5	8	10	153	Stormy, with ●.
15	29°39	29°56	40°4	29°9	29°8	45°3	5°3	0°6	155	149	62	90	NW	2	NW	1	8	0	010	✱ <sup>0</sup> .
16	29°68	29°76	37°4	32°7	27°2	44°1	4°7	2°0	142	144	63	78	NNW	2	NW	2	5	2	—	—
17	29°80	29°82	36°0	28°9	26°8	42°9	3°5	2°0	105	70	66	82	NW	2	NW	1	5	3	—	Bright and very sharp.
18	29°86	29°76	37°6	30°9	25°6	50°1	2°9	1°2	171	143	76	82	NW	2	NW	1	3	2	—	Bright and very sharp.
19	29°68	29°52	42°6	33°7	26°8	54°3	5°7	1°1	167	171	61	88	N	2	NW	1	2	0	—	Bright, with cool breeze.
20	29°35	29°13	41°6	41°4	27°6	56°0	3°7	2°9	190	203	72	77	NW	2	NW	2	8	6	—	∞
21	29°04	29°02	39°4	36°7	33°7	44°1	1°9	3°0	204	162	85	75	ENE	2	E	2	10	3	—	∞
22	29°01	28°99	39°1	36°8	28°0	46°1	3°9	1°3	167	193	70	88	NE	2	SE	1	8	10	040	Cold wind, with passing clouds.
23	28°98	28°91	40°6	37°0	33°7	47°1	2°9	1°3	196	195	77	88	NNE	1	W	1	9	10	—	—
24	29°16	29°19	42°0	33°7	28°6	49°9	4°0	2°0	188	153	70	80	N	2	NW	2	3	0	—	—
25	29°09	29°00	47°3	43°1	27°4	58°0	4°8	1°4	221	247	68	88	WNW	2	SW	1	2	10	250	∞
26	28°86	28°76	42°6	43°5	40°7	45°7	0°9	1°6	253	247	93	87	ESE	2	SE	2	10	10	080	Dull and cold, with ● <sup>0</sup> .
27	29°73	29°85	41°6	41°6	38°8	52°6	0°4	1°9	254	223	97	85	SE	2	SE	1	10	4	010	Dull and damp.
28	29°82	29°82	49°7	47°1	39°1	61°3	3°0	1°4	283	290	79	89	SSE	2	SE	2	8	10	540	Cloudy and threatening.
29	29°71	29°76	48°7	47°9	44°8	59°5	0°1	2°4	342	276	99	82	SSW	2	SSE	1	10	8	072	▲ showers.
30	28°78	28°85	50°9	47°3	43°8	59°4	2°9	1°4	299	293	80	89	SE	2	SE	2	9	10	290	—
Mean	29°308	29°298	43°7	39°7	34°4	51°4	3°2	2°1	223	206	76°4	82°0	2°2	1°8	7°8	5°6	1°617			

## CAMBRIDGE.—APRIL 1903.

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. at Station Level.		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 Pressure.		Percentage.						9 a.m.	9 p.m.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	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 1	Calm 0	10	10	ins.	
2	29.74	29.71	44.4	48.7	37.2	50.2	1.6	0.2	257	339	88	99	SW 1	Calm 0	10	10	260	☉ all day. ☼ n.
3	29.78	29.72	40.6	40.3	39.1	50.0	0.6	0.3	240	243	95	98	NNW 3	NNW 2	10	10	070	☉ all day.
4	30.00	29.87	42.3	48.0	31.6	55.9	1.5	0.9	238	312	89	94	W 1	SW 5	10	10	082	Sunny day. ☉ sp.—midt.
5	29.69	29.76	52.3	41.1	40.1	57.2	3.1	2.3	312	210	79	82	SW 6	NW 2	10	0	082	☉ 2p.—6p.
6	29.96	30.04	46.7	43.0	36.0	55.7	3.5	2.0	240	234	76	84	NW 5	NW 1	0	10	—	☉ a. Fine and sunny.
7	29.96	29.79	47.9	49.3	39.7	57.1	2.4	3.2	276	275	84	78	SW 3	SW 6	10	10	—	
8	29.69	29.68	49.7	44.2	43.0	55.0	5.0	3.9	243	209	68	72	NW 5	NW 5	10	0	026	
9	29.98	30.07	45.7	42.0	37.4	54.7	4.1	2.0	220	225	72	85	N 5	NNW 2	10	0	—	Sunny day.
10	30.14	30.21	44.4	36.3	35.6	51.0	2.6	1.0	236	196	81	92	N 4	NNE 1	10	0	—	
11	30.25	30.18	44.3	45.8	33.9	54.7	1.9	3.0	249	243	85	80	E 1	S 1	10	10	—	
12	30.02	29.86	49.4	45.7	42.3	54.3	3.1	2.0	279	262	79	86	SW 3	SW 3	10	10	—	
13	29.91	29.86	49.4	45.7	42.3	54.3	3.1	2.0	279	262	79	86	SW 3	SW 3	10	10	—	
14	29.78	29.80	41.3	35.2	33.7	50.7	5.0	1.9	209	169	67	82	NW 4	W 2	0	0	010	Squally ☼ ☼.
15	29.89	29.92	41.1	39.9	30.0	51.0	4.2	3.6	177	178	69	72	WNW 4	NW 2	7	0	—	Sunny day.
16	29.82	29.99	40.7	31.6	31.0	51.4	3.7	0.7	183	163	72	91	NW 5	N 1	10	0	044	☉ sp.
17	30.09	30.20	41.0	30.7	27.0	48.0	4.0	1.3	180	138	80	80	N 6	N 2	2	0	—	☼ showers. Sunny day.
18	29.25	29.40	30.5	27.1	46.9	4.7	1.8	164	127	65	74	N 5	N 2	0	0	—	☼ showers. Sunny day.	
19	29.30	29.25	41.8	39.1	26.0	52.0	5.5	3.0	165	182	63	77	N 5	N 2	0	10	—	Fine and sunny.
20	30.20	30.03	44.0	39.7	33.3	53.4	4.1	1.8	203	209	70	85	NW 1	E 1	10	8	—	
21	29.87	29.63	43.7	42.3	28.2	57.6	3.4	2.7	214	215	75	80	Calm 0	SW 1	0	0	—	Fine and sunny.
22	29.54	29.50	42.0	39.6	35.1	49.8	2.6	2.7	214	192	81	78	NE 1	NE 2	10	10	—	Gloomy day.
23	29.44	29.45	44.3	35.2	29.1	52.8	4.5	1.6	200	175	68	85	NE 3	N 1	10	0	—	Fine and sunny.
24	29.44	29.52	44.6	38.9	26.2	51.1	4.1	2.6	210	187	71	80	N 2	N 2	10	9	—	
25	29.55	29.60	44.9	34.0	33.2	51.4	4.8	2.0	200	156	67	79	N 5	N 2	10	0	—	
26	29.57	29.52	49.3	46.0	30.3	61.1	8.3	5.8	182	193	52	62	NW 2	E 1	0	10	113	Clear and sunny. ☉ n.
27	29.44	29.28	43.3	44.1	40.8	47.1	0.9	0.3	261	282	93	97	SW 1	E 1	10	10	084	☉ till 6p.
28	29.23	29.36	48.1	45.0	43.0	55.4	0.4	1.6	326	262	97	88	EESE 1	S 1	10	9	089	☼ (mist). ☉ all day.
29	29.49	29.43	52.7	49.7	38.0	61.3	3.0	1.6	320	316	80	89	SW 2	SW 2	10	10	077	
30	29.23	29.34	52.3	49.7	47.1	62.8	2.2	2.6	334	292	85	83	SW 4	S 1	10	0	—	
31	29.36	29.37	53.3	51.7	44.3	61.2	3.3	3.6	318	342	78	89	S 3	S 2	10	10	310	☉ from 7.30p.
Mean	29.793	29.781	45.4	41.4	35.0	53.7	3.4	2.1	234	223	76.3	83.1	3.2	1.9	7.5	5.5	1.275	



## SOUTHAMPTON.—APRIL 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Pressure.										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.	47.4	48.4	41.0	53.2	0.9	1.3	in.	in.	%	%	SW	4	NW	3	10	3	ins.	Overcast, with ☉ showers.
2	29.98	29.78	47.4	48.4	41.0	53.2	0.9	1.3	30.6	30.8	94	91	NW	4	NW	3	3	1	—	Fine and sunny with ☉.
3	29.85	29.77	49.9	41.5	40.5	53.9	4.7	3.2	25.0	29.8	69	76	NW	4	NW	3	3	1	—	Fine a. Cold ☉ showers p.
4	30.06	29.99	47.2	49.8	33.7	54.4	4.8	1.1	22.0	33.0	68	92	SW	3	SW	3	10	10	0.30	Cloudy, with ☉ showers.
5	29.85	29.85	50.4	48.1	48.1	54.1	1.9	2.8	31.8	26.8	88	79	NW	4	NW	4	10	5	0.20	Fine and sunny. ☉ p.
6	30.08	30.11	50.8	44.9	38.1	55.1	5.8	1.9	23.8	25.4	64	86	NW	3.5	NW	3.5	3	5	—	Cloudy day. ☉ p.
7	30.06	29.92	48.9	49.6	41.8	53.4	3.9	1.9	25.6	30.8	74	87	SW	3.5	SW	3	10	10	—	Cloudy a. ☉ p.
8	29.81	29.83	51.4	47.3	47.3	54.6	3.9	4.1	28.4	23.4	75	72	WNW	5	NW	4	10	3	—	Beautiful day.
9	30.05	30.10	52.4	47.1	39.5	60.4	5.5	3.3	26.1	24.8	67	77	NW	4	NW	3	5	0	—	Beautiful day.
10	29.17	29.21	49.2	48.5	39.4	56.8	3.9	4.2	25.9	24.5	74	72	NE	3.5	E	3	10	10	—	☉ a.
11	29.27	29.23	46.6	47.8	37.6	55.4	2.6	1.8	25.8	28.8	82	87	ESE	3.5	SW	4	10	10	—	Sunny a. Cloudy p.
12	29.10	29.94	51.8	49.8	46.0	59.3	3.2	2.7	30.4	29.0	79	82	W	3	NW	3	10	10	—	Sunny intervals.
13	30.01	29.95	50.8	41.6	36.6	53.9	7.1	3.8	21.5	19.0	59	74	NW	3	NW	3	1	0	—	☉ showers. Sunny intervals.
14	29.88	29.91	46.7	35.2	33.5	50.1	6.5	1.9	18.7	16.9	58	82	NW	5	NW	3.5	5	0	0.80	Fine and sunny. Cool breeze.
15	30.00	30.03	45.7	40.7	30.0	52.6	5.3	4.0	19.9	17.8	64	70	NW	3	NW	3	1	0	0.50	☉ a. Cool wind p. ☉ p.
16	29.91	29.91	41.0	38.1	37.1	48.3	1.9	2.6	21.7	18.1	85	78	NW	4	NW	4	10	0	—	☉ a. Fine and sunny.
17	30.15	29.24	43.9	37.3	29.6	49.3	6.1	3.8	17.7	15.5	59	70	N	5	N	4	7	0	—	☉ a. Fine and sunny.
18	30.17	29.31	43.2	37.9	27.9	48.9	5.9	4.4	16.9	15.1	60	67	N	3	NW	4	0	8	—	☉ a. Fine and sunny.
19	30.24	30.04	47.8	44.1	34.8	57.6	6.0	5.1	20.5	18.7	63	64	NW	4	NW	3	0	3	—	☉ a. Fine and sunny.
20	29.88	29.65	48.5	45.6	30.9	55.6	5.0	1.6	23.0	20.9	67	88	S	3	SE	4	4	10	—	☉ a. Fine and sunny.
21	29.46	29.43	51.8	42.4	41.8	55.3	5.3	4.2	25.9	18.9	68	71	NE	4.5	NE	5	8	10	0.25	☉ a. Fine and sunny.
22	29.40	29.42	44.8	43.4	36.2	53.4	5.3	4.9	19.1	18.5	64	66	NE	5	NE	4	8	9	—	☉ a. Fine and sunny.
23	29.45	29.53	47.5	42.9	31.3	51.4	6.0	3.9	20.2	19.8	62	72	NE	4	NE	3	5	0	—	☉ a. Fine and sunny.
24	29.64	29.66	46.4	42.2	32.4	51.9	4.7	4.0	21.6	19.1	69	72	NE	4	NW	3	8	0	—	☉ a. Fine and sunny.
25	29.65	29.59	54.5	48.3	33.0	60.6	7.6	2.9	24.2	27.0	57	80	NW	3	SW	3	0	10	0.430	☉ a. Fine and sunny.
26	29.41	29.45	45.1	48.3	43.1	51.4	0.6	0.5	28.6	32.7	95	97	SE	3	SW	3	10	10	0.650	☉ a. Fine and sunny.
27	29.23	29.38	50.8	49.5	47.0	58.1	1.5	0.6	33.3	33.8	89	95	SW	4	SW	4	10	10	0.700	☉ a. Fine and sunny.
28	29.50	29.37	53.5	49.8	45.4	58.4	2.3	0.4	34.5	34.8	84	97	SW	3	SE	4	10	10	0.970	☉ a. Fine and sunny.
29	29.30	29.32	53.5	50.5	48.1	59.4	3.0	2.1	32.9	31.4	80	86	SW	4.5	SE	4	8	10	0.170	☉ a. Fine and sunny.
30	29.36	29.30	53.7	49.7	48.7	56.2	2.7	1.9	33.8	30.9	82	88	SW	4	SE	4	8	10	0.160	☉ a. Fine and sunny.
Mean	29.847	29.820	48.6	45.1	38.3	54.5	4.3	2.9	24.8	24.3	71.9	79.4	3.8	3.5	6.5	5.6	2.775			

## PLYMOUTH.—APRIL 1903.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +0.015 in.

1	29.91	29.84	50.3	47.3	42.9	52.3	0.1	2.6	36.3	26.5	WSW 4	NW 4	10	9	0.02	☉ early a. Fine day.
2	29.93	30.00	44.8	42.8	41.4	48.9	3.8	2.4	21.6	22.5	N 6	Calm 0	8	1	0.01	Fine and sunny.
3	30.01	29.97	46.5	49.3	38.1	52.9	1.4	1.0	28.3	32.6	0	W 4	10	10	0.03	☉ a. Fine p.
4	29.88	29.86	50.0	47.9	40.3	52.3	0.6	5.2	34.5	22.0	WSW 5	WSW 5	10	4	0.03	☉ all day.
5	30.09	30.12	48.2	45.7	40.3	53.6	5.2	2.7	22.3	24.7	NNW 5	NW 2	4	9	0.02	Fine and sunny.
6	30.02	29.92	49.0	48.9	41.9	55.7	0.1	1.9	34.5	29.9	SW 3	W 4	10	9	0.01	☉ (mist) a.
7	29.88	29.90	50.7	48.6	47.2	51.9	2.8	2.6	30.0	28.0	NW 5	NW 3	9	0	—	☉ (mist) ga.
8	30.08	30.10	49.8	45.7	45.0	54.7	4.5	1.7	25.3	26.8	N 4	N 5	6	0	—	Fine and sunny.
9	29.12	29.16	51.0	47.8	41.5	56.5	4.0	1.8	27.6	28.8	N 2	Calm 0	0	0	—	Beautifully fine and sunny.
10	29.19	29.19	51.5	48.0	45.8	55.8	2.8	1.1	31.0	30.7	Calm 0	NW 1	8	0	—	Fine and sunny.
11	29.09	29.98	51.4	49.5	41.3	57.2	3.2	1.6	30.0	31.4	W 4	WNW 4	4	8	—	Fine and sunny.
12	30.02	29.99	46.6	40.1	39.0	49.8	6.3	1.3	19.0	22.1	N 5	NNE 2	7	3	0.04	☉ in evening.
13	29.91	29.92	44.2	43.4	33.3	47.9	7.0	5.1	15.9	18.2	NNW 6	N 1	8	2	—	Fine and sunny.
14	30.00	30.04	43.3	41.3	40.3	47.9	5.3	3.8	17.8	18.7	N 3	W 3	4	0	—	Fine and sunny.
15	29.88	29.97	48.9	39.4	38.9	49.4	2.4	3.0	28.9	28.4	W 5	NNE 2	10	0	0.05	☉ a. and p.
16	30.13	30.25	43.2	39.8	32.8	47.6	6.4	5.1	16.1	15.4	NE 5	NNE 3	3	0	—	Fine and sunny.
17	29.28	29.30	43.3	38.3	32.0	48.6	6.0	3.5	16.8	16.8	N 2	NNE 3	2	0	—	Fine and sunny.
18	29.31	29.27	44.9	39.1	32.1	49.1	6.6	5.2	17.2	14.7	SE 1	SE 1	1	0	—	Fine and sunny.
19	30.18	30.01	50.3	42.2	33.0	52.9	7.3	2.2	20.6	22.3	SE 3	SSW 1	1	0	—	Fine and sunny.
20	29.80	29.54	50.7	46.0	32.9	52.9	5.7	4.2	23.9	22.1	SE 3	E 4	6	10	—	Fine and sunny.
21	29.31	29.32	49.3	44.0	43.2	51.9	4.0	1.7	25.8	25.0	E 6	NE 4	8	10	—	Fine day.
22	29.36	29.42	43.8	41.0	38.7	53.9	5.3	5.1	18.2	16.3	NNE 5	N 3	2	0	—	Fine and sunny.
23	29.42	29.40	44.3	42.5	40.0	48.5	5.6	3.4	18.1	20.4	NE 1	ENE 2	5	10	—	Fine, with sunny intervals.
24	29.64	29.69	45.0	42.7	35.1	53.5	7.0	3.9	16.6	19.8	N 4	NW 1	1	0	—	Fine and sunny.
25	29.62	29.51	49.4	49.5	36.8	53.9	4.7	2.3	24.5	29.7	Calm 0	SW 5	4	10	0.43	Fine and sunny till 3 p. ☉ n.
26	29.30	29.14	50.0	49.5	47.0	51.2	0.1	0.6	35.8	33.8	SW 3	W 2	10	10	0.24	Overcast, with ☉ all day.
27	29.15	29.37	52.6	49.4	47.9	53.9	1.4	1.2	35.8	32.2	WSW 2	W 1	10	10	0.08	☉ a. and in evening.
28	29.40	29.20	52.3	50.1	46.3	55.9	1.7	1.0	34.7	33.6	SSW 3	SE 4	8	10	0.20	Sunny intervals. ☉ p.
29	29.20	29.17	51.3	49.3	47.2	56.9	2.7	0.9	31.0	32.8	SSW 4	S 4	8	7	0.17	☉ showers. Sunny intervals.
30	29.23	29.16	49.3	47.2	47.2	53.5	1.0	1.6	32.6	31.7	S 4	NE 3	10	8	0.25	☉ showers. Sunny intervals.
Mean	29.811	29.793	48.2	45.3	40.3	52.4	3.8	2.7	25.7	24.9	3.4	2.7	6.2	4.7	1.58	

## ARMAGH.—APRIL 1903.

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. at Station Level.		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 Pressure.		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.	48.1	42.8	42.8	53.8	2.3	4.2	in.	in.	%	%	W 2	NW 1	7	8	ins.	Sunny day.
2	29.68	29.73	48.1	42.8	42.8	53.8	2.3	4.2	28.0	29.3	84	70	NW 2	SSW 2	0	10	.025	
3	84	79	41.6	43.1	32.6	53.3	1.6	5.6	22.9	27.3	88	61	SW 3	SW 3	10	10	.125	
4	63	52	49.8	48.6	42.9	53.1	0.8	0.2	33.7	33.7	94	99	WNW 2	WNW 2	8	3	.010	Sunny day.
5	53	46.0	39.0	39.0	51.5	3.6	2.2	23.3	19.5	76	83	WNW 2	SSW 2	8	10	—		
6	89	81	49.6	46.2	37.0	52.2	3.8	2.6	26.6	25.5	75	82	SW 5	W 3	10	10	—	
7	60	56	50.3	45.8	45.6	54.8	2.7	3.8	29.7	22.7	82	74	WNW 3	WNW 2	9	8	—	Sunny day.
8	29.60	29.85	46.8	44.6	44.6	53.0	3.0	3.8	25.2	21.5	80	73	NNW 2	NW 1	8	10	—	
9	30.03	30.07	47.6	48.8	40.8	58.0	3.0	2.5	26.0	28.5	79	82	W 1	W 1	10	10	—	
10	07	30.09	45.0	48.1	42.9	52.3	0.6	1.1	28.5	30.8	95	92	SW 1	SW 3	10	10	—	Overcast all day.
11	30.07	29.89	48.4	49.6	44.9	54.0	1.7	3.0	29.8	28.2	88	80	W 3	W 1	8	3	.025	
12	29.71	81	49.6	37.6	37.6	52.0	4.3	2.4	25.5	18.1	72	80	NW 2	W 2	10	0	.020	
13	85	81	38.4	35.0	35.0	47.5	2.8	2.4	17.9	15.7	78	77	WNW 2	WNW 1	9	0	—	Sunny day.
14	78	82	39.6	32.6	32.0	46.1	3.8	1.6	17.3	15.1	72	82	SW 1	NNW 2	9	9	.400	
15	83	29.66	39.0	36.8	30.1	42.0	3.2	1.0	17.8	19.9	76	92	N 1	N 1	9	0	—	
16	29.84	30.03	43.6	32.6	31.8	46.1	4.6	1.6	19.2	15.1	67	82	NW 0.5	N 0.5	8	7	.015	Fine and sunny.
17	30.16	23	39.2	33.6	28.2	46.9	3.0	1.7	18.3	15.8	76	83	N 0.5	NbyE 0.5	5	0	—	
18	28	29	39.6	31.8	29.0	45.4	4.3	0.8	16.4	16.0	68	90	SSW 0.5	SSE 2	10	10	—	
19	24	30.13	41.9	38.9	27.8	50.7	4.1	2.1	18.9	19.6	72	84	SSW 1	SSE 0.5	5	10	.010	Fine and sunny.
20	30.03	29.83	43.7	31.7	30.4	42.6	4.5	2.25	18.7	80	69	SSW 1	NE 0.5	10	8	—		
21	29.66	51	46.4	43.9	38.2	50.6	3.1	1.2	24.6	26.0	79	91	NE 1	NE 0.5	10	8	—	
22	49	49	39.2	36.3	36.2	45.9	1.4	1.9	21.2	17.9	88	84	NE 0.5	SbyW 0.5	10	7	.050	Fine and sunny.
23	45	33	42.6	37.9	31.4	46.3	4.0	2.4	19.5	18.3	73	80	S 2	ENE 1	10	2	—	
24	30	55	38.3	38.6	35.8	47.3	0.9	1.7	21.3	20.1	92	86	S 0.5	SSW 1	0	2	—	
25	62	51	44.9	44.6	29.3	55.3	3.1	3.8	23.1	21.5	78	73	S 2	SEbyS 2	10	10	.180	Fine and sunny.
26	34	25	46.6	46.8	40.2	51.7	2.8	1.4	25.4	28.7	81	90	E 2	ENE 1	10	1	—	
27	19	18	47.2	43.3	43.0	52.3	2.6	3.1	26.4	21.6	82	77	NE 1	S 1	8	10	.010	
28	16	14	44.9	44.6	39.2	50.9	3.2	3.7	22.9	21.7	77	73	S 2	SEbyE 2	8	7	.180	Overcast all day.
29	16	16	48.4	46.9	42.3	57.0	3.1	2.1	26.7	27.2	79	86	E 2	SW 1	10	10	.050	
30	02	08	46.6	46.0	44.0	50.4	0.7	1.4	30.2	27.8	95	90	SW 0.5	Calm 0	5	7	—	
30	29.14	29.24	53.4	44.9	42.8	57.2	2.8	1.1	33.2	27.2	82	92						
Mean	29.673	29.669	44.9	41.7	37.3	50.9	2.8	2.4	24.1	22.0	80.3	81.9	1.6	1.4	8.1	6.4	1.145	



## DUBLIN (PHENIX PARK).—APRIL 1903.

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. at Station Level.		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 Pressure.		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	41.5	39.9	51.9	3.1	1.6	2.69	2.29	79	88	W	1	Calm	0	6	8	ins.	Fine, but cloudy.
2	29.77	29.80	41.4	43.8	32.5	49.7	3.3	2.4	1.96	2.34	76	81	W	1	Calm	0	1	3	0.003	Fine and sunny.
3	'92	'90	41.4	43.8	32.5	49.7	3.3	2.4	1.96	2.34	76	81	W	1	Calm	0	1	3	0.040	Fine and sunny.
4	'61	'83	47.3	41.9	41.1	51.0	1.0	3.0	3.02	2.07	93	78	SW	2	WSW	2	10	10	0.118	Dull, with ☉.
5	'99	'92	46.0	47.7	35.9	51.3	3.3	3.6	2.38	2.48	77	76	W	1	Calm	0	5	9	0.005	☉ a. Cloudy p.
6	'75	'67	51.6	49.4	47.1	59.1	2.2	2.8	3.25	2.05	85	81	SW	2	W	3	9	8	0.005	Fine, but cloudy.
7	29.72	29.92	47.5	45.1	44.4	53.3	4.2	4.1	2.34	2.13	72	71	W	3	W	1	9	5	—	Fine, but cloudy.
8	30.09	30.12	48.4	49.2	39.9	55.6	4.8	3.4	2.32	2.70	69	77	NNW	2	Calm	0	3	1	—	Fine and sunny.
9	'15	30.15	44.0	47.4	41.9	50.8	0.5	1.8	2.77	2.84	96	87	Calm	0	Calm	0	10	10	—	Overcast all day.
10	30.15	29.99	48.6	51.4	46.5	53.6	1.6	2.8	3.02	3.09	89	82	Calm	0	SW	1	10	7	—	Overcast all day.
11	29.86	'92	48.3	39.4	38.7	53.2	1.5	2.7	3.01	1.90	90	79	W	2	W	1	9	1	0.010	☉ showers till 5p.
12	'94	'91	41.4	36.6	32.5	45.9	3.8	2.0	1.88	1.80	72	83	WNW	2	W	1	6	4	0.020	Fine day.
13	'86	'91	37.5	33.9	31.2	43.7	3.2	2.2	1.66	1.51	73	78	NW	1	Calm	0	6	0	0.020	☉ sa.-6a. ☉ showers p.
14	'93	29.72	39.5	43.7	27.9	46.5	2.8	2.4	1.89	2.33	78	81	W	1	W	3	2	8	0.110	Sunny a. ☉ 8p.-11p.
15	29.91	30.08	40.7	34.6	34.2	46.0	4.4	3.5	1.71	1.35	67	68	N	1	N	1	4	0	—	Sunny intervals.
16	30.21	'27	40.8	33.1	27.5	44.9	5.4	1.5	1.56	1.58	61	83	N	1	Calm	0	1	1	—	Sunny a. Cloudy p.
17	'33	'34	38.6	34.5	26.4	43.5	4.1	2.9	1.60	1.44	69	72	N	1	Calm	0	6	0	—	Fine, but cloudy.
18	'31	30.19	42.7	39.0	24.9	47.1	4.9	1.7	1.81	2.05	66	86	Calm	0	Calm	0	2	8	—	Fine, but cloudy.
19	30.10	29.91	47.5	38.0	35.1	50.9	5.3	1.6	2.14	1.97	65	86	Calm	0	Calm	0	2	2	—	Sunny intervals.
20	29.72	'56	47.0	42.0	29.7	51.0	3.0	1.9	2.53	2.27	79	86	Calm	0	Calm	0	9	8	—	Dull, with ☉.
21	'47	'51	44.8	37.1	36.3	45.5	2.9	3.1	2.34	1.64	79	74	E	1	NE	1	10	7	0.005	Dull a. ☉ 3p.
22	'50	'43	43.0	35.3	32.2	45.0	4.3	1.6	1.92	1.76	69	85	NE	1	Calm	0	6	5	0.050	☉ sa.-6a. Fine, but cloudy.
23	'37	'58	38.4	32.6	30.4	44.7	1.0	0.5	2.12	1.74	92	94	Calm	0	Calm	0	10	0	0.015	☉ a. Cloudy p.
24	'69	'59	44.5	39.9	25.8	51.7	3.2	1.2	2.25	2.22	76	91	Calm	0	Calm	0	2	8	—	Fine and sunny.
25	'43	'31	49.4	46.4	31.0	49.8	4.4	0.8	2.51	2.96	71	94	SSW	1	Calm	0	8	10	0.365	Cloudy day. ☉ from 3p.
26	'21	'18	45.0	45.0	44.6	50.3	0.2	1.8	2.94	2.57	93	86	ESE	2	Calm	0	10	3	0.055	Fine, but cloudy.
27	'21	'21	45.3	43.0	40.4	50.3	2.7	1.4	2.43	2.47	80	89	Calm	0	Calm	0	10	10	0.095	Cloudy day. ☉ from 10p.
28	'23	'20	52.3	47.2	41.5	57.1	4.0	0.9	2.91	3.03	74	91	SSW	1	E	1	7	10	0.685	☉ till 3a. ☉ showers.
29	'03	'14	48.0	45.4	44.4	56.8	1.1	1.3	3.07	2.73	92	91	E	1	Calm	0	10	5	0.030	☉ showers a. Cloudy p.
30	29.19	29.28	52.9	42.0	32.1	56.9	4.0	0.4	2.99	2.58	74	97	Calm	0	Calm	0	5	2	0.020	Beautiful day. ☉ 9p.
Mean	29.747	29.741	45.3	41.9	35.9	50.4	3.1	2.1	2.241	2.226	78.4	83.6	1.0	0.6	6.6	5.1	1.051			

## BIRR CASTLE.—APRIL 1903.

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	29.82	47.8	41.3	36.1	52.6	3.9	1.7	2.44	2.25	73	87	W 2	W 2	4	8	—	Fine and sunny.
2	'93	'87	43.7	44.2	31.0	49.2	3.2	1.4	2.18	2.29	76	89	WNW 3	SW 2	3	10	—	Fine and sunny.
3	'75	'69	49.8	49.2	42.7	51.3	0.6	1.2	3.43	3.19	95	92	SW 3	W 3	10	10	☉	☉ showers. ☉ (mist) 9a. and 9p.
4	29.62	'87	47.2	41.0	38.3	50.3	1.1	1.8	2.99	2.19	93	86	WSW 4	W 3	10	4	—	Fine, but cloudy.
5	30.01	'90	48.1	48.3	35.9	51.8	4.5	2.0	2.34	2.89	70	86	WSW 2	SSW 1	2	10	—	Fine and sunny.
6	29.74	'72	52.2	47.9	45.9	59.2	3.0	1.1	3.13	3.06	80	93	WSW 3	SW 2	7	10	—	Fine and sunny.
7	29.79	29.96	48.2	46.0	41.7	55.0	4.1	3.5	2.44	2.35	73	76	W 4	E 3	7	7	—	Fine and sunny.
8	30.11	30.12	48.7	45.9	40.1	51.3	5.0	1.5	2.32	2.76	67	90	WNW 2	NE 1	4	0	—	Fine and sunny.
9	'12	'13	46.3	48.7	40.7	50.6	0.6	1.6	3.00	3.04	96	89	W 1	W 1	10	10	—	Overcast all day.
10	30.12	30.00	49.7	49.2	46.3	57.4	2.9	1.7	2.86	3.08	81	89	Calm 0	W 1	10	9	—	Cloudy day.
11	29.88	29.97	48.7	39.0	35.3	52.9	2.6	2.2	2.81	1.95	82	83	W 3	W 2	5	0	—	Cloudy day.
12	'98	'93	44.6	35.7	34.1	48.2	5.7	1.6	1.82	1.80	62	85	NW 4	NW 3	3	0	—	Cloudy day.
13	'88	'93	39.3	34.3	31.7	48.2	3.3	1.9	1.78	1.61	75	81	NW 3	NW 3	5	4	—	Fine and sunny.
14	'93	29.76	41.2	44.7	28.1	48.6	3.8	2.5	1.86	2.40	72	82	SW 2	NNW 6	5	10	—	Cloudy day.
15	29.90	30.07	41.7	36.0	27.9	49.0	5.3	2.9	1.66	1.60	63	75	N 2	NW 3	3	0	—	Fine and sunny.
16	30.21	'28	40.5	34.7	24.8	46.2	3.7	1.0	1.82	1.82	72	91	N 1	WNW 2	2	3	—	Fine and sunny.
17	'33	'31	39.2	38.0	25.2	46.5	3.3	2.6	1.77	1.80	75	78	NW 2	NW 1	3	3	—	Fine and sunny.
18	'28	30.17	44.2	39.3	32.1	50.5	5.7	2.1	1.79	2.00	61	84	E 1	E 1	2	4	—	Fine and sunny.
19	30.07	29.88	46.7	41.2	31.2	52.5	5.5	2.7	2.04	2.05	64	80	E 1	E 1	0	3	—	Fine and sunny.
20	29.66	'51	46.7	44.8	37.1	52.5	3.0	2.6	2.51	2.29	80	81	ESE 2	ESE 1	10	10	—	Fine, but cloudy.
21	'44	'50	47.0	34.2	30.8	48.2	3.6	2.0	2.41	1.58	75	80	E 3	E 2	7	2	—	Cloudy day.
22	'50	'43	41.0	40.3	27.1	47.0	3.2	2.6	1.94	1.99	76	80	E 2	ESE 1	3	7	—	Cloudy day.
23	'51	'56	43.5	39.3	34.4	49.6	3.3	1.5	2.14	2.11	75	88	SW 2	SSW 2	6	3	—	Fine and sunny.
24	'67	'58	44.0	43.7	30.1	54.6	3.5	2.5	2.15	2.31	74	81	ESE 1	SE 1	0	4	—	Fine and sunny.
25	'37	'23	48.7	43.3	38.0	51.6	2.8	0.6	2.77	2.67	81	96	SW 2	SW 1	9	8	☉	☉ showers.
26	'09	'15	50.6	45.7	43.3	53.0	0.8	1.5	3.49	2.73	95	90	SW 1	SW 1	10	9	—	Overcast, with ☉.
27	'18	'17	47.6	46.7	36.1	52.2	3.1	0.9	2.58	2.98	79	94	NE 1	SW 1	2	10	—	Fine, but cloudy.
28	29.18	'11	52.0	48.7	41.7	55.0	3.7	2.0	2.94	2.96	76	86	ESE 2	SW 1	8	10	☉	☉ showers.
29	28.99	'10	48.2	46.7	44.5	56.7	2.3	1.3	2.81	2.89	84	91	SW 2	SW 2	7	8	—	☉ showers.
30	29.16	29.25	53.0	49.2	36.1	58.3	3.3	2.3	3.15	2.94	78	84	Calm 0	E 1	3	7	—	Sunny day.
Mean	29.732	29.731	46.3	42.9	35.6	51.7	3.3	1.9	2.245	2.240	76.8	85.6	2.0	1.8	5.3	6.1	1.393	

## DEERNES.—MAY 1903.

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. at Station Level.		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 Pressure.		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.	
1	ins.	ins.	44.0	43.0	41.7	45.6	0.0	0.2	2.88	2.73	100	98	ESE 4	E 4	10	10	ins.
2	29.46	29.54	44.0	43.0	41.7	45.6	0.0	0.2	2.88	2.73	100	98	ESE 4	E 4	10	10	☉ all day.
3	'50	'48	44.8	44.3	41.2	47.5	0.2	0.3	2.93	2.84	99	98	E 3	ESE 4	10	10	☉ 8a.-1p. then ☉.
4	'44	'45	44.0	45.0	43.0	45.8	0.0	0.0	2.88	2.99	100	100	SE 3	ESE 3	10	10	☉ most of day.
5	'44	'34	44.0	43.0	42.0	45.8	0.4	1.2	2.79	2.51	97	90	E 4	NE 7	10	10	☉ till 1p. ☉ (gale) p.
6	'26	'32	43.0	43.0	41.6	44.0	1.7	2.8	2.40	2.19	86	79	NE 7	NE 5	10	10	☉ (gale) a. Bitterly cold p.
7	'37	'41	43.7	40.0	39.2	47.0	2.9	3.0	2.23	1.89	78	76	NNE 6	N 5	10	10	Bitterly cold.
8	'41	'50	42.3	42.2	38.8	47.0	2.3	2.2	2.22	2.23	83	84	NNE 3	N 3	10	8	—
9	'58	'70	43.8	43.5	40.2	48.6	1.6	1.3	2.11	2.23	73	90	NNW 2	N 1	8	7	—
10	'68	'77	45.0	42.2	40.6	45.3	0.7	2.2	2.82	2.23	94	84	N 5	N 4	10	10	—
11	'81	'82	40.0	38.0	37.0	43.4	3.0	5.0	1.89	1.42	76	62	N 5	N 4	5	10	☉ showers till 5p.
12	'70	'64	43.0	41.5	36.0	46.8	5.2	1.3	1.78	2.34	64	90	W 4	N 2	4	5	☉ showers. Bitterly cold.
13	'67	'58	43.0	41.4	36.8	45.7	5.8	4.4	1.69	1.78	60	68	NW 3	SE 2	6	9	—
14	'22	'11	44.0	46.2	48.0	52.3	1.8	3.0	2.48	2.46	86	79	S 6	SW 4	10	8	—
15	'16	'44	48.8	45.8	42.6	52.0	4.6	2.8	2.41	2.46	69	80	WSW 7	SW 4	2	5	—
16	'45	'51	49.0	41.7	40.2	52.1	4.8	1.9	2.39	2.25	68	86	SW 4	WSW 7	9	7	☉ (gale) a. Fine day.
17	'61	'58	47.2	42.3	40.2	53.0	3.1	1.5	2.53	2.38	79	89	SW 3	ENE 1	7	2	Bitterly cold. ☉ (gale) ☉ showers
18	'67	'78	45.0	40.8	38.0	47.3	5.0	3.6	1.97	1.86	66	73	N 5	NNW 4	7	10	Very fine day. [p.]
19	'85	'84	45.7	43.2	37.8	48.0	5.7	1.6	1.92	2.45	62	88	NW 3	NNW 1	9	7	Bitterly cold.
20	'78	'73	46.0	44.2	42.0	49.6	3.0	2.2	2.44	2.42	79	83	NW 1	Calm 0	9	8	—
21	'62	'54	47.0	45.8	41.8	48.8	3.0	0.6	2.53	2.91	79	94	SE 4	SE 1	3	8	☉ Very fine day.
22	'56	'84	46.8	47.5	43.4	54.2	0.8	2.5	3.01	2.69	94	82	SE 1	SE 2	10	9	☉ ☉ p.
23	29.61	29.73	52.0	45.0	43.7	56.0	2.2	2.0	3.30	2.53	85	85	SSE 6	WNW 2	7	9	Very fine p.
24	30.11	30.15	51.2	49.2	41.2	58.0	5.6	3.7	2.45	2.64	65	75	SW 4	WSW 3	3	6	Fine a. ☉ 6p.-8p.
25	'18	'08	54.4	48.3	45.2	55.2	4.4	1.5	3.07	3.01	72	90	SSW 3	S 2	7	6	Very fine day.
26	'11	'22	53.0	49.2	45.2	56.0	3.8	2.6	3.04	2.87	75	82	W 2	Calm 0	10	8	☉ Very fine day.
27	'29	'25	55.2	48.0	46.8	56.5	5.2	1.0	3.01	3.09	69	93	SE 2	SE 2	0	0	☉ Very fine day. Mock sun
28	'22	30.17	51.5	45.2	44.0	53.6	2.5	0.2	3.16	2.97	83	99	SE 4	SE 3	1	10	Very fine till 6p. then ☉.
29	30.06	29.94	47.3	49.0	42.8	54.8	0.3	0.8	3.19	3.27	98	94	ESE 2	ENE 2	10	9	☉ most of day.
30	29.87	'83	49.0	47.0	46.0	51.6	1.2	2.0	3.17	2.75	92	86	NE 2	NNE 1	9	10	Fine a, then overcast, with ☉.
31	'75	'75	47.8	47.0	44.5	50.6	1.8	0.8	2.88	3.03	87	94	ENE 1	SE 4	10	10	☉ ☉, then fine.
Mean	29.675	29.703	47.1	44.6	41.6	50.4	2.8	1.9	2.63	2.54	80.8	85.8	3.6	2.9	7.7	8.1	1.290



## BRAEMAR.—MAY 1903.

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. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Pressure.	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.	%	%	S	0.5	E	0.5	ins.	☉ p.
2	28.38	28.41	45.7	43.3	41.0	52.2	1.5	0.6	.273	.267	90	96	NE	1	NE	0.5	☉ a. and p.	☉ p.
3	43	39	42.4	41.6	40.2	43.8	0.7	0.7	.256	.249	95	95	NE	1	NE	0.5	☉ a. and p.	
4	37	33	43.4	44.6	39.8	49.0	0.8	1.4	.264	.263	94	90	NE	1	NE	2	Damp, with ☉° (mist) all day.	
5	31	20	40.8	41.4	38.7	45.8	0.4	1.5	.246	.230	97	89	NE	0.5	NE	2	Damp, with ☉° (mist) all day.	
6	12	27	42.9	40.4	38.1	44.9	0.6	1.7	.263	.216	95	87	NE	0.5	E	1	Damp, with ☉° (mist) all day.	
7	31	36	38.8	37.4	36.2	50.1	1.5	1.5	.297	.194	88	87	NE	2	NE	4	Damp, with ☉° (mist) all day.	
8	38	49	37.9	37.6	35.1	45.1	2.0	1.8	.190	.191	83	84	NE	1	NE	0.5	Fine day.	
9	56	64	43.6	43.9	29.2	47.8	3.8	2.7	.206	.229	73	80	NE	0.5	NE	0.5	Fair but cloudy p.	
10	67	72	46.8	39.9	36.0	48.2	4.1	0.7	.229	.231	72	95	NE	0.5	NE	1	Fair and clear a. ☉° (mist) ☉ p.	☉ p.
11	76	79	36.6	34.4	34.0	41.8	1.8	2.5	.183	.151	85	76	N	2	N	2	Cold, with ✕ showers.	
12	71	64	37.9	40.1	29.0	48.1	4.4	1.6	.151	.216	67	87	N	0.5	N	0.5	✕ showers.	
13	65	61	40.8	43.6	35.8	49.3	4.6	2.8	.169	.224	66	79	NW	0.5	NW	0.5	Fine day.	
14	31	24	42.9	43.8	39.7	50.3	3.1	2.0	.212	.243	78	84	SW	6	SW	6	Fine day.	
15	29	53	48.8	43.2	41.3	52.7	5.0	4.0	.233	.199	68	71	SW	4	SW	4	Fine day.	
16	54	65	44.6	39.6	38.3	50.2	3.1	1.7	.228	.210	78	86	SW	4	SW	4	☉° showers.	
17	63	49	43.6	44.6	37.8	48.8	2.7	2.1	.226	.248	79	84	SW	1	SW	1	☉° showers.	
18	63	77	43.1	40.3	38.8	48.9	4.0	2.7	.198	.197	71	79	NE	1	NE	1	Fair but cold.	
19	85	85	39.6	39.8	35.2	49.8	3.8	2.3	.173	.201	72	82	NE	0.5	NE	0.5	Snow on hills.	
20	73	72	47.6	41.6	38.1	59.3	5.1	1.7	.219	.228	67	87	NE	0.5	E	0.5	Clear and fair.	
21	57	61	46.4	44.6	39.0	49.2	3.6	3.0	.236	.230	76	78	NE	0.5	SW	1	Clear and fair.	
22	60	82	50.0	50.6	43.3	56.8	2.2	2.9	.304	.296	85	80	SW	0.5	S	1	Clear and fair.	
23	28.68	28.73	50.0	45.7	44.0	56.5	3.4	0.7	.278	.291	78	95	SW	2	W	1	Fair but cloudy.	
24	29.06	29.17	48.4	47.3	36.0	55.0	5.9	4.7	.213	.223	63	69	SW	0.5	W	1	Fine day.	
25	18	14	52.6	52.7	42.0	61.9	6.3	3.2	.247	.315	63	79	S	2	SW	0.5	Fine day.	
26	11	17	58.8	54.8	37.0	67.3	8.9	4.3	.267	.316	54	74	SW	0.5	NW	0.5	Fine day.	
27	22	23	60.6	55.1	37.0	72.4	7.3	8.0	.322	.242	61	56	N	0.5	S	0.5	Fine day.	
28	18	29.13	61.8	54.7	37.0	71.0	10.3	5.0	.273	.297	50	70	S	0.5	S	1	Fine day.	
29	29.01	28.88	64.6	55.9	37.2	69.1	8.8	8.2	.341	.249	56	55	S	1	NE	1	Fair but cloudy.	
30	28.80	75	59.3	54.1	47.7	64.8	7.8	3.0	.295	.336	58	80	NE	2	NE	0.5	Fair but cloudy.	
31	71	68	55.6	56.8	39.0	66.7	4.2	4.3	.339	.343	74	74	NE	0.5	SW	0.5	Fine day.	
31	28.69	28.69	62.6	59.6	50.0	70.0	4.5	2.7	.422	.226	75	83	SW	0.5	SW	0.5	Fine day.	
Mean	28.659	28.680	47.7	45.6	38.4	54.4	4.1	2.8	.247	.244	74.5	81.0	1.2	1.3	7.1	6.5	1.26	

## LAUDALE.—MAY 1903.

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	29.51	29.54	54.0	50.2	39.0	60.0	5.3	1.2	282	332	68	E	2	Calm	0	8	10	0.4	(mist) a. Fine day.
2	51	48	52.0	48.5	45.0	56.8	4.0	3.5	287	259	74	E	3	SE	2	8	4	0.4	n. Dull and sultry.
3	44	42	51.0	48.2	40.0	55.0	2.0	2.2	323	283	86	SE	2	SE	2	6	6	1.0	Dull day.
4	40	30	48.8	48.0	47.0	55.3	4.0	3.7	253	249	73	ESE	3	E	4	10	8	1.0	Dull and squally.
5	25	44	49.3	49.9	44.0	52.4	2.8	2.9	284	287	81	E	3	E	3	9	7	0.3	showers.
6	51	55	45.5	43.0	41.0	51.9	3.6	2.0	227	234	74	E	3	E	2	9	10	—	Cold and damp.
7	56	56	48.7	44.2	41.0	52.8	6.7	2.2	202	242	58	E	3	Calm	0	7	4	—	Cold and dry.
8	68	76	49.5	47.0	42.0	55.0	4.5	2.2	250	271	70	ESE	2	Calm	0	8	5	—	
9	82	89	49.7	47.0	43.0	54.8	4.4	2.6	254	262	71	E	1	E	4	10	7	—	Dull and dry.
10	95	99	46.0	41.3	40.0	49.7	5.0	4.3	207	178	67	E	2	E	2	5	2	—	Very dry.
11	95	87	44.0	44.0	31.0	50.4	6.0	2.2	172	240	59	ESE	2	N	1	5	7	—	Dull day.
12	89	79	49.0	47.6	40.0	54.0	5.2	2.6	231	268	66	N	2	Calm	0	2	9	2.2	Fine but cold.
13	48	51	47.4	47.9	44.0	54.0	1.4	1.7	293	291	90	SW	3	SW	4	10	10	4.2	showers. Constant from 6p.
14	52	72	50.0	46.0	45.0	54.8	4.0	3.3	265	238	74	SW	2	SW	3	7	10	4.5	showers at night.
15	74	90	48.3	46.0	42.8	51.7	4.1	2.0	245	265	72	NE	3	NW	3	7	10	4.9	Cold and unseasonable.
16	79	65	49.0	43.8	42.0	50.0	3.0	1.8	276	246	79	S	2	SW	2	10	10	6.5	in past n. p.
17	29.84	29.97	50.0	46.0	42.0	54.3	5.0	2.2	245	261	68	NE	4	N	2	5	4	—	Cold and dry.
18	30.02	30.02	48.0	42.6	36.0	55.8	2.0	2.6	285	219	86	N	2	Calm	0	5	1	—	Fine and dry.
19	29.94	29.87	53.0	48.6	38.0	57.8	6.0	3.6	257	258	64	NE	2	Calm	0	2	0	0.3	Fine and clear.
20	76	78	51.0	52.0	48.3	56.0	1.0	3.0	348	310	93	SW	3	S	2	10	10	7.0	Mild, with showers.
21	77	92	51.0	55.0	47.7	57.8	1.5	3.0	336	349	90	S	2	S	3	10	10	—	in past n. Dull and mild.
22	29.70	29.97	52.6	46.0	45.0	56.8	2.4	2.0	332	265	83	S	5	N	2	10	6	7.2	till 5p.
23	30.27	30.37	52.0	50.8	45.3	58.3	5.0	4.8	266	257	69	NW	2	S	2	7	6	—	Fine and warm.
24	33	26	55.0	59.0	47.0	65.0	6.0	9.0	280	267	65	SE	4	S	2	7	7	—	Fine, warm, and seasonable.
25	39	37	58.0	51.5	50.0	64.7	6.8	1.8	300	334	62	Calm	0	Calm	0	10	0	—	Warm and sultry.
26	41	37	59.0	53.8	44.0	68.7	5.0	1.8	354	363	71	Calm	0	Calm	0	0	0	—	2. Fine and warm.
27	39	30.28	58.8	55.5	48.0	69.5	3.8	3.5	383	344	77	Calm	0	Calm	0	2	1	—	2. Fine and warm.
28	30.16	29.99	64.8	59.0	49.0	74.0	8.1	4.0	362	390	76	Calm	0	Calm	0	2	8	—	2. Fine and warm.
29	29.92	29.86	62.4	54.7	51.0	72.0	7.4	4.0	343	321	61	Calm	0	Calm	0	8	1	—	Fine and warm.
30	81	82	61.5	56.0	50.0	72.6	8.5	3.3	306	358	56	E	4	S	2	8	8	0.6	Cloudy day.
31	29.88	29.92	58.8	50.2	50.0	72.0	2.9	1.2	408	332	82	SW	1	NW	2	10	10	—	Dull day.
Mean	29.824	29.843	52.2	49.1	43.8	58.5	4.4	2.9	286	283	72.5	2.2	1.6	7.0	6.2	4.05			

## DUNDEE.—MAY 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
							Dep. of Wet.		Vapour Pressure.		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	29.39	29.41	46.4	44.6	42.6	53.9	1.2	0.8	287	276	91	94	E	2	E	4	10	10	32	☉ from 4p.	
2	40	38	45.1	44.4	40.9	45.2	0.6	1.4	286	260	95	89	E	4	E	1	10	10	10	☉ n. and till 6p.	
3	38	34	47.2	44.6	41.2	47.2	0.8	0.6	305	280	95	95	E	2	E	4	10	10	10	☉ from 9a.	
4	31	27	44.6	44.8	41.2	45.5	0.6	1.0	280	273	95	92	E	2	NE	4	10	10	10	☉ n. and day.	
5	12	25	45.1	43.9	42.5	46.9	0.8	1.9	281	245	93	85	E	2	E	2	10	10	10	☉ showers.	
6	31	34	44.5	42.4	41.1	49.7	2.7	1.4	235	241	80	89	NE	2	NE	4	10	10	10	— Dull day.	
7	39	49	46.8	44.1	38.8	50.2	4.2	1.9	227	247	72	85	SW	1	SE	1	10	10	10	— Dull day.	
8	59	64	49.1	43.9	39.2	51.2	4.0	1.9	256	245	73	85	SE	1	SE	1	5	10	10	— Cloudy day.	
9	69	72	51.4	44.6	38.6	54.1	4.6	1.7	268	256	71	87	SE	2	SE	1	5	10	10	— Cloud and sunshine.	
10	76	78	45.2	37.9	36.7	47.8	3.2	2.1	231	238	77	82	NE	6	NE	2	10	7	10	— Dull day.	
11	77	68	44.2	41.6	32.2	51.8	4.9	2.6	192	210	66	80	NW	1	NE	1	5	10	10	— Cloudy day.	
12	69	63	49.2	44.2	36.9	54.3	5.2	2.0	233	246	66	85	NE	1	NE	1	5	10	10	— Dull and cloudy.	
13	43	28	46.8	47.8	40.2	55.2	3.0	3.8	252	245	80	74	SW	4	W	6	10	7	10	— Dull day.	
14	34	56	54.6	49.4	45.4	58.7	6.0	3.9	276	262	65	74	SW	6	SW	4	5	10	10	— ☾ (gale) 10a.-4p.	
15	59	72	51.2	47.0	46.2	58.3	4.6	4.4	266	225	71	71	SW	6	W	6	10	7	10	☉ showers. ☾ (gale) noon-5p.	
16	69	49	47.8	48.6	42.1	54.6	2.0	2.4	283	285	86	83	SW	2	SW	1	10	10	10	☉ Dull, with ☉ showers.	
17	62	81	47.7	43.7	43.0	56.5	4.5	1.7	231	247	69	86	NE	4	SW	1	10	10	10	☉ Dull day. ☉ n.	
18	91	87	46.8	42.8	36.6	52.8	5.8	3.3	199	208	62	76	NE	1	SE	1	10	7	10	— Dull day.	
19	81	70	51.6	47.2	39.5	61.1	4.5	2.2	272	273	71	85	SE	1	NE	1	7	7	10	— Fine day.	
20	64	63	51.5	51.6	36.0	55.6	3.9	4.8	285	267	75	71	SE	1	W	2	0	7	10	☉ 11a.-noon. Dull day.	
21	65	87	52.8	54.1	44.5	65.7	2.9	2.5	324	349	80	83	SW	2	SW	1	10	10	10	— Dull till 10a. and from 3p.	
22	29.77	29.77	53.9	50.6	46.9	60.0	3.3	2.7	226	301	79	81	SW	1	SW	1	4	10	10	10	— Dull day.
23	30.15	30.24	55.5	52.9	39.8	62.7	7.1	5.1	263	275	60	68	W	4	SW	1	7	7	10	10	— Fine day.
24	24	16	59.1	49.1	44.1	63.3	7.1	2.8	307	282	61	80	SE	1	SE	1	10	5	10	10	— Cloud and sunshine.
25	16	20	58.6	50.5	40.2	70.2	4.9	3.5	353	281	72	77	SW	1	NE	1	0	0	10	10	— Fine day.
26	28	27	58.6	49.4	39.3	63.1	4.6	4.2	359	255	73	72	SE	1	NE	1	0	0	10	10	— Fine day.
27	24	30.17	61.6	46.6	43.1	67.0	6.6	1.1	351	292	64	93	SE	1	SE	1	0	10	10	10	☉ from 2p.
28	30.04	29.88	57.2	53.3	47.6	68.8	4.4	3.1	345	323	73	79	SE	1	SE	1	0	10	10	10	☉ n.
29	29.79	76	62.4	47.6	45.2	68.7	4.9	1.6	208	393	73	89	NE	2	SE	1	5	10	10	10	— Dull day. ☉ from 5p.
30	77	72	50.4	48.1	45.2	53.9	2.6	0.9	300	313	83	93	SE	1	SE	1	10	10	10	10	☉ showers from 3p.
31	29.72	29.69	51.2	54.4	46.9	69.7	1.2	2.0	345	367	92	87	SE	1	SE	1	10	0	10	10	— Dull till 11a.
Mean	29.697	29.697	50.9	47.0	41.4	57.0	3.8	2.4	275	268	76.2	82.9	2.2		2.0	7.2	8.2		1.30		



COCKLE PARK (NEAR MORPETH).—MAY 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar, 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long.  $1^{\circ} 41'$  W. Lat.  $55^{\circ} 13'$  N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		Percentage.									
							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°21	47°0	42°0	40°0	49°0	0°0	0°0	.323	.267	100	100	NE	2	E	3	10	10	.470	☉ ☁

SCARBOROUGH.—MAY 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +.025 in.

1	29°35	29°41	46°0	47°5	44°0	53°0	0°8	1°0	292	304	94	92	Calm	0	SE	2	10	10	15	Dull a. Fine p.
2	43	46	48°0	49°0	47°0	52°2	0°5	1°5	322	309	86	89	S	3	SW	3	10	6	08	Overcast. K 2p.
3	41	36	47°0	46°5	44°0	52°0	0°5	1°3	309	286	96	90	S	3	E	2	10	10	—	Very dull day.
4	25	09	45°5	46°0	41°5	52°0	0°7	0°8	288	292	94	94	E	2	E	3	10	8	35	Overcast day.
5	16	22	45°2	43°5	42°0	52°2	0°4	0°3	292	275	97	97	NE	2	NE	3	10	10	—	Overcast day.
6	30	34	44°5	44°5	38°0	46°0	0°3	0°5	286	281	97	96	NE	3	NE	3	10	8	02	Overcast day.
7	43	54	44°2	44°5	38°8	45°5	0°7	0°5	274	281	94	96	NW	3	SE	2	10	8	02	Fine day.
8	64	66	42°5	44°0	39°5	51°0	0°5	1°2	261	261	96	90	SE	2	N	3	6	8	—	Overcast day.
9	69	64	44°0	42°0	40°5	47°5	1°2	0°5	261	256	90	96	E	3	NE	5	10	10	49	Overcast day.
10	64	71	44°0	44°2	39°5	46°8	1°0	0°2	265	286	92	98	NE	6	NE	6	10	10	89	Overcast day.
11	74	75	41°5	41°5	38°0	49°0	1°0	1°7	239	226	92	86	NE	6	N	4	6	—	—	Fine at intervals.
12	73	74	47°2	38°2	32°5	50°5	5°0	0°7	217	217	67	93	NW	4	Calm	0	6	6	—	Very fine day.
13	65	56	48°0	49°0	35°0	55°0	2°5	2°0	274	297	81	85	W	4	W	4	6	6	—	Dull day.
14	63	80	53°8	54°0	45°0	59°0	2°6	3°5	343	324	82	77	SW	6	SW	4	8	6	—	Fine day.
15	82	94	52°5	55°0	42°5	60°0	4°0	7°0	293	260	74	59	SW	6	SW	5	6	4	—	Very fine day.
16	92	68	50°0	47°5	41°0	56°0	4°5	1°5	255	292	70	88	SW	6	SW	6	10	10	06	Fine. 9.
17	47	71	48°5	44°5	43°0	52°0	1°5	1°5	304	259	89	88	N	3	N	6	10	8	—	Fine day.
18	94	94	47°5	45°0	34°5	51°0	1°0	2°0	304	254	92	84	N	4	N	3	10	6	—	Fine day.
19	91	82	49°8	47°5	43°5	55°0	5°8	4°5	226	229	63	70	SW	3	SE	3	2	10	—	Fine day.
20	76	29°78	55°0	54°5	42°0	62°2	4°5	5°0	313	295	72	69	SW	3	SW	4	10	8	—	Dull day.
21	90	30°01	55°5	55°0	47°6	66°0	5°0	3°5	307	336	70	78	W	3	SE	3	10	8	—	Fine day.
22	29°98	29°96	61°0	57°5	46°5	75°5	5°0	4°0	382	358	71	76	SW	5	W	4	6	6	—	Very fine day.
23	30°23	30°35	51°5	52°0	44°0	65°0	5°0	4°5	260	276	69	71	N	3	SE	2	2	6	—	Very fine day.
24	37	29	52°2	47°5	48°0	55°5	3°7	1°5	296	292	76	88	SE	3	SE	3	2	4	—	Very fine day.
25	27	27	51°5	44°0	34°0	56°5	6°0	1°5	240	254	63	88	SE	2	Calm	0	4	0	—	Very fine day.
26	32	26	51°5	49°2	43°5	56°4	0°4	1°4	280	315	74	90	NE	2	N	3	2	3	—	Very fine day.
27	30°34	30°14	50°0	49°5	44°0	53°5	2°0	0°5	309	322	86	96	NE	4	N	4	10	4	—	Dull a. Fine p.
28	29°98	29°83	53°0	51°0	46°2	57°0	2°5	2°0	335	322	82	86	NE	3	NE	4	4	6	—	Fine a. Dull p.
29	76	76	53°0	50°0	44°0	54°8	1°5	1°0	361	334	89	93	NE	4	NE	3	10	10	02	Dull day.
30	77	73	50°0	50°0	47°0	55°0	0°5	0°5	348	348	96	96	E	3	NE	2	10	10	01	T 2p.
31	29°76	29°76	51°0	50°2	46°0	54°0	1°0	1°0	348	336	93	93	NE	2	E	2	10	10	—	Very dull day.
Mean	29°756	29°757	49°2	47°9	41°8	54°6	2°4	1°9	293	290	83°8	86°8		3°4	3°3	7°8	7°3	2°09		

CRONKBOURNE.—MAY 1903.

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° Fah. at Station Level.		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 Pressure.		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.	● a. ☔ 6p.
2	29.29	29.35	47.8	47.8	42.5	54.5	0.3	2.0	325	283	98	86	NE 3	Calm 0	10	10	0.86	☔ (mist) a. Fine p. ● n.
3	36	33	47.6	48.8	45.7	53.2	0.3	0.9	323	323	98	93	SSW 2	ESE 3	10	10	2.61	☔ (mist) a. Fine p. ● n.
4	21	22	46.6	48.5	46.2	51.6	0.0	0.1	318	338	100	99	ESE 3	E 3	10	10	6.72	Dull, with ☔ (mist).
5	17	08	46.4	46.0	46.0	48.7	0.4	0.1	306	309	97	99	ENE 3	ENE 2	10	10	3.24	Overcast, with ☔.
6	10	19	49.4	48.0	45.1	55.0	0.7	0.6	335	319	95	96	WNW 2	Calm 0	10	10	0.93	● a. and n. Dull day.
7	30	37	46.2	45.0	45.0	51.0	1.7	1.3	274	268	89	90	NE 3	NW 2	10	10	—	Dull and overcast.
8	41	48	47.2	46.7	43.2	50.0	1.4	0.3	291	312	91	98	ESE 2	E 2	10	10	0.32	Cloudy day. ☔ showers n.
9	55	58	47.6	51.1	40.8	55.6	0.3	1.9	323	327	98	86	ESE 3	ESE 3	10	10	0.04	Cloudy day. ☔ p.
10	65	68	45.6	44.2	43.0	51.1	1.4	0.8	274	272	90	94	E 4	NE 3	10	10	2.21	Overcast. ● n.
11	70	79	47.0	42.0	42.0	48.7	1.6	2.3	284	220	89	83	NE 3	NE 3-4	10	4	0.06	Dull, with ☔ showers.
12	80	77	46.4	38.7	36.3	49.7	5.3	0.9	207	218	67	93	N 3	N 2	3	3	0.10	Fine and sunny. ☔ p.
13	75	74	48.7	44.0	36.2	56.2	3.4	0.9	264	267	77	93	NW 4	NW 2	6	3	0.11	Fine and sunny. ● n.
14	60	53	45.7	50.2	39.8	50.4	0.6	0.9	293	340	96	94	SW 4	W 3	10	6	1.62	● a. and p.
15	63	73	51.4	50.0	49.5	55.6	1.1	0.8	351	339	92	94	WSW 5	SW 4	10	7	1.16	Dull day. ☔ from 5p.
16	81	95	45.7	48.8	45.0	55.5	1.6	1.8	270	300	89	87	W 2	W 3	10	8	1.20	● a. Sunny day. ☔ 7p. ☔
17	84	53	49.5	46.9	46.4	52.7	1.5	0.9	315	299	89	94	WSW 5	WNW 4	8	10	2.39	Dull day. ☔ from 3p.
18	59	86	50.4	45.2	43.7	53.7	1.9	1.2	318	273	88	91	NNW 4	NNW 5	10	4	—	Dull a. Fine p.
19	94	90	49.4	37.8	37.8	54.2	2.4	0.9	293	210	84	93	NNW 3	NNW 1	4	2	—	Fine and sunny. ☔ p.
20	84	78	49.0	42.1	38.0	51.7	3.6	0.3	263	262	75	97	ESE 2	N 2	3	2	0.92	Very fine and sunny. ☔ p.
21	68	77	49.4	50.4	40.5	57.0	0.1	0.6	350	352	99	96	SSW 2	SW 2	10	10	0.23	☔ (mist) a. Fine p. ☔ p.
22	87	90	52.4	50.0	49.0	55.8	0.9	1.1	369	332	94	92	SW 3	S 3	10	10	0.05	Dull a. Fine p.
23	29.83	29.94	52.4	49.0	48.0	59.3	1.1	0.0	363	348	92	100	SSE 3	WSW 2-3	10	2	0.76	☔ shower 5.30 p.
24	30.30	30.29	54.5	41.7	40.0	58.0	5.8	1.2	278	239	66	91	NNW 2	N 1	2	0	—	☔ a. Very fine and sunny. ☔ p.
25	27	18	53.5	48.3	36.1	60.0	2.2	1.8	348	294	85	88	ESE 2	NNE 1	2	0	—	☔ a. Very fine and sunny. ☔ p.
26	20	22	53.4	54.5	48.2	63.2	1.9	1.4	356	384	88	91	ESE 2	NW 1	3	2	—	Very fine and sunny.
27	26	23	57.4	55.0	45.0	68.0	4.8	2.2	337	370	71	86	ESE 2	Calm 0	0	3	—	Very fine and sunny. ☔ p.
28	30.19	30.10	62.7	57.5	41.1	69.6	5.5	3.3	398	378	70	79	NE 2	ENE 2	3	1	—	Very fine and sunny.
29	29.94	29.80	66.4	56.7	55.0	68.7	4.9	1.3	476	421	74	92	ENE 4	NNE 2	3	2	—	Very fine and sunny.
30	71	68	62.7	57.1	51.0	67.0	5.7	0.0	391	467	68	100	ENE 1	ENE 3-4	1	10	5.23	Fine and sunny. ☔ 4p.
31	65	68	58.4	56.2	54.0	61.8	1.7	0.2	436	446	89	99	E 3	WSW 1	10	10	0.04	☔ a. Dull day.
32	29.74	29.76	58.0	53.8	52.0	70.8	0.6	0.8	463	391	96	94	ESE 2	N 3-4	6	3	—	☔ (mist) a. Very fine and sunny.
Mean	29.716	29.722	51.3	48.5	44.1	56.8	2.1	1.1	329	319	86.9	92.5	2.8	2.3	7.2	6.2	3.075	

STONYHURST.—MAY 1903.

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°06	29°12	49°0	47°2	45°8	54°2	1°0	1°2	*322	*293	93	92	EbyS 1	NBYE 1	10	10	'170	☉ early a. T▲☉ showers p.
2	'18	'18	46°9	48°3	45°5	52°7	0°9	1°3	*299	*306	94	91	WSW 1	Calm o	10	10	'400	☼ <sup>0</sup> (mist) a, T▲☼ <sup>2</sup> ☼ <sup>2</sup> showers.
3	29°03	29°04	46°8	48°8	45°8	53°0	1°0	1°5	*296	*308	93	89	ESE 2	SBEY 2	10	10	'240	☉ a, ☼ <sup>0</sup> showers p.
4	28°03	28°85	45°0	45°5	44°5	50°0	0°5	1°7	*287	*266	96	88	NE 1	Calm o	10	10	'205	☉ all day.
5	28°88	28°94	49°5	50°8	41°9	55°3	2°1	2°4	*302	*311	86	84	Calm o	Calm o	7	10	'760	☼ 1.30p.-2.30p.
6	29°07	29°14	45°1	47°0	43°8	50°8	1°6	2°0	*263	*275	88	86	ENE 1	Calm o	10	10	'285	☼ <sup>2</sup> a, ☼ <sup>2</sup> p.
7	'20	'29	43°9	46°4	41°8	50°0	1°9	2°2	*245	*264	85	84	ENE 1	Calm o	10	10	'026	☼ <sup>0</sup> (mist), ☉ showers p.
8	'35	'38	50°0	47°4	42°5	55°0	4°0	3°5	*265	*267	74	76	E 1	ENE 2	9	10	'020	☼ <sup>0</sup> (mist), Sunny day.
9	'41	'43	44°0	42°0	41°8	48°0	3°0	2°0	*224	*225	77	85	EbyN 2	NE 1	10	10	'395	☉ a, and p.
10	'42	'53	44°4	41°8	40°5	46°3	2°4	3°8	*240	*191	82	73	NNE 2	NBYN 1	10	10	'015	☉ showers,
11	'54	'53	41°0	41°8	37°8	46°0	4°0	3°6	*180	*195	70	74	NNE 1	Calm o	10	7	—	Cold and dull,
12	'51	'51	49°0	42°0	32°8	51°0	7°0	2°9	*209	*209	57	79	W 1	Calm o	8	4	'040	Fine and sunny.
13	'41	'34	48°0	49°2	38°7	52°3	3°0	1°6	*263	*310	79	89	SW 2	SW 3	9	10	'340	☉ all day.
14	'43	'58	54°0	50°1	49°2	57°7	4°0	3°6	*310	*275	74	76	WbyS5	SW 4	9	10	'085	Gold ☉ showers.
15	'58	'75	53°0	47°0	46°1	53°3	5°0	3°0	*277	*253	69	79	sWhyW4	W 1	10	2	'055	☉ showers a, Sunny day.
16	'68	'39	47°0	46°7	42°8	52°5	2°7	2°7	*260	*257	81	81	sWhyW3	SbyW3	3	10	'125	☼ <sup>2</sup> showers.
17	'29	'60	49°8	46°6	43°8	53°6	3°5	3°5	*274	*206	77	65	Calm o	Calm o	10	10	'008	Gloomy a, Bright intervals p.
18	'69	'70	51°0	44°5	42°5	52°2	5°0	2°5	*255	*238	68	81	sWhyW1	Calm o	8	3	—	Fine and sunny.
19	'64	'56	50°0	49°0	38°9	57°7	5°0	5°2	*245	*220	68	66	Calm o	Calm o	8	2	'050	Fine and sunny.
20	'51	'59	49°0	49°2	41°0	55°2	2°0	2°2	*293	*296	86	85	Calm o	W 1	10	3	'020	☼ <sup>0</sup> (mist) a, ☉ till 4p.
21	'69	'75	54°0	53°0	48°1	61°7	4°0	3°1	*310	*317	74	79	WbyS2	N 1	8	3	—	Fine and sunny.
22	29°66	29°72	64°0	53°0	51°1	72°1	7°3	1°2	*369	*369	62	92	S 4	WbyS2	8	10	—	☼ (force f) noon. Sunny day.
23	30°04	30°08	55°4	49°4	43°5	59°2	7°4	3°8	*258	*264	58	75	Calm o	Calm o	6	3	—	Fine and sunny.
24	30°07	29°99	59°0	55°0	43°5	66°0	9°0	9°0	*267	*223	53	52	E 1	EbyS 1	3	2	—	Sunny and warm.
25	29°99	'99	58°0	57°0	42°1	66°3	8°5	9°0	*266	*244	55	53	Calm o	Calm o	6	3	—	Sunny and warm.
26	30°05	'99	59°7	53°5	44°8	68°3	10°4	10°5	*249	*185	48	45	NE 1	NE 1	0	3	—	Sunny and warm.
27	29°95	'85	61°0	55°0	48°1	68°9	7°0	5°0	*334	*302	62	70	ENE 1	NE 1	0	3	—	Sunny and warm.
28	'69	'56	64°3	54°4	50°8	68°3	7°3	3°4	*373	*330	62	78	ENE 2	ESE 1	3	4	—	Sunny and warm.
29	'49	'47	62°2	56°6	47°8	65°0	6°2	3°1	*370	*370	66	80	EbyN 2	ENE 2	5	10	'100	Sunny and warm.
30	'47	'47	57°8	58°0	52°3	65°7	3°8	2°7	*369	*401	77	83	EbyN 2	NE 1	10	10	—	Bright intervals.
31	29°49	29°50	64°3	58°0	51°8	76°1	5°3	2°3	*427	*413	71	85	ENE 1	Calm o	7	0	—	Sunny and warm.
Mean	29°496	29°510	52°1	49°5	44°3	57°6	4°4	3°5	*287	*276	73·7	77·9	1°5	0°9	7·8	6·8	3·309	



## HILLINGTON.—MAY 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning.	Remarks.		
							Dep. of Wet.		Vapour Pressure.		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	29.43	29.43	53.2	52.0	44.9	57.3	2.5	2.3	.338	.328	82	84	SW	3	SW	3	6	5	—	Sun and cloud.
2	57	51	52.5	46.0	44.0	58.4	3.7	2.1	.301	.262	75	84	SW	2	SW	2	6	0	25	Sun and cloud. ☉ n.
3	42	36	51.0	51.4	45.1	59.9	2.3	2.5	.315	.315	84	82.	SE	1	SE	1	10	10	15	Overcast day. ☉ n.
4	17	17	51.4	48.5	46.5	59.0	0.8	0.4	.358	.331	94	97	SE	2	SE	1	10	0	05	☉ n.
5	23	26	56.5	50.1	40.6	60.6	2.8	0.4	.375	.352	82	97	SE	1	SW	1	8	7	22	☉ p. and n. Distant T. ☉
6	37	42	49.8	50.2	48.0	60.2	1.9	0.3	.308	.356	87	98	W	2	W	1	8	0	04	Sun and cloud. ☉ n.
7	63	58	51.0	48.0	46.6	61.6	2.2	0.2	.317	.330	85	99	SW	2	SW	1	10	6	31	Dull day. ☉ p. and n.
8	62	57	52.1	46.1	38.1	57.4	1.6	0.4	.346	.302	89	97	SE	2	SE	2	5	10	51	Overcast day. ☉ p. and n.
9	60	57	46.0	46.0	45.0	51.2	0.4	0.3	.301	.304	97	98	SE	3	NE	2	10	10	11	Sunless all day. ☉ p. and n.
10	63	68	47.0	45.8	45.2	53.4	1.5	0.9	.286	.287	88	93	SW	2	SE	2	10	10	10	☉ a. Sunless day.
11	69	69	47.1	41.5	41.5	50.6	1.2	1.8	.295	.225	91	86	N	2	N	2	10	10	03	☉ a. Sunless day.
12	78	74	46.1	39.8	38.1	52.6	4.6	1.0	.214	.225	68	92	NE	2	NE	1	6	4	—	Very fine and sunny.
13	77	69	51.0	51.2	34.6	57.4	6.1	3.5	.234	.289	62	77	SW	2	SW	3	4	8	—	Very fine a. Dull p.
14	29.84	29.92	56.0	52.0	45.5	61.9	4.3	2.5	.330	.323	73	82	SW	5	W	3	5	8	—	Very fine a. Dull p.
15	30.04	30.03	54.1	45.1	45.0	61.3	3.9	0.3	.316	.294	75	98	SW	4	NW	1	5	0	03	Dull, then fine. ☉ n.
16	30.09	29.82	49.9	46.5	35.2	57.4	2.8	0.8	.289	.297	80	94	W	4	W	3	6	10	22	Sun and cloud a. Dull p.
17	29.54	67	48.0	44.5	44.0	51.4	0.8	0.9	.315	.272	94	93	SW	2	N	1	10	10	54	Dull a. ☉ p. and n.
18	93	97	48.1	42.0	39.2	52.6	4.2	1.8	.240	.229	72	86	NE	2	Calm	0	6	7	—	Sun and cloud.
19	97	98	50.0	44.1	38.0	58.4	5.1	1.4	.242	.257	67	88	SE	2	SE	1	0	0	—	Very fine and sunny.
20	29.89	29.92	55.1	54.1	41.5	63.3	4.8	2.5	.307	.349	71	82	W	1	SW	1	8	10	01	Cloudy day. ☉ n.
21	30.02	30.08	57.5	58.5	46.4	68.5	4.8	4.7	.340	.356	72	72	W	1	Calm	0	4	0	—	Fine and sunny.
22	08	01	67.3	61.6	47.1	77.3	9.2	4.9	.371	.396	56	72	SE	2	Calm	0	4	2	—	Very fine and warm.
23	26	38	58.0	43.4	43.4	65.0	5.3	0.4	.334	.272	69	97	NW	3	NW	2	2	0	—	Very fine and sunny.
24	38	27	57.0	44.2	39.5	64.2	2.8	0.5	.384	.278	83	96	E	1	E	1	0	0	—	Very fine and sunny.
25	22	22	58.0	46.0	40.5	64.4	3.3	1.1	.384	.285	80	91	SE	1	NE	1	0	0	—	Very fine and sunny.
26	28	30.22	56.0	49.5	44.0	61.8	5.9	0.8	.294	.333	65	94	NE	4	NE	3	4	2	—	Very fine and sunny.
27	30.19	29.97	59.0	52.0	47.1	67.5	4.3	0.5	.371	.374	74	96	NE	3	NE	2	6	4	06	☉ a. Very fine and sunny.
28	29.87	77	55.0	52.4	51.0	67.7	1.7	0.7	.382	.374	88	95	NE	3	E	1	6	10	12	☉ early. Cloudy, then sunny.
29	73	72	54.0	50.6	49.9	66.5	0.2	0.5	.412	.356	99	96	E	1	NE	1	10	8	—	Overcast, then fine.
30	69	66	55.8	54.0	49.5	74.5	0.5	0.7	.430	.397	96	95	SE	2	NE	2	7	6	06	Fine and sunny. T <sup>2</sup> ☉ 10a.
31	29.72	29.69	54.2	49.5	49.5	62.6	1.5	0.3	.377	.346	89	98	NE	3	NE	2	8	6	—	Fine and sunny.
Mean	29.791	29.769	53.2	48.6	43.7	60.8	3.1	1.3	.326	.313	80.2	90.6	2.3	1.5	6.3	5.3	2.80			

## CHURCHSTOKE.—MAY 1903.

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	28.84	28.92	48.2	46.0	43.9	57.0	2.5	0.5	277	298	SE	1	SW	1	10	10	0.55	Dull, with ☉ showers. T
2	29.08	29.08	50.1	48.7	45.2	60.3	3.4	3.2	278	267	SW	2	SSE	2	9	10	0.60	Cloudy and warm.
3	29.26	29.26	52.7	48.7	45.8	58.1	0.9	0.9	373	321	SE	1	SE	1	10	10	0.530	Steady ☉ p.
4	29.68	29.68	50.2	42.6	42.3	56.6	0.9	0.7	340	238	SE	1	SW	1	10	0	0.30	☉ showers.
5	29.68	29.68	51.5	46.6	40.3	58.6	2.7	0.9	311	296	SE	2	SSE	1	8	10	0.700	T. Steady ☉ p.
6	28.88	28.95	47.7	48.6	44.8	59.0	1.0	1.9	306	295	SSE	2	NW	1	10	10	0.150	Cloudy and damp.
7	28.99	29.09	48.5	39.6	39.2	54.0	0.7	0.9	323	225	W	2	W	1	10	0	0.100	☉ showers.
8	29.10	29.13	54.9	46.0	36.1	60.6	5.2	0.3	295	304	SE	3	W	1	5	10	0.292	☉ in evening.
9	29.15	29.19	45.0	42.6	42.6	50.3	0.8	1.7	279	237	E	2	E	2	10	10	0.010	☉
10	29.21	29.28	43.6	41.8	40.3	46.0	1.1	0.6	259	252	NE	2	NE	2	10	10	0.020	Dull and cold. ☉ p.
11	29.30	29.33	44.4	38.1	36.2	47.1	4.3	0.9	204	212	N	2	NW	1	7	10	0.020	Bright a. ☉ p.
12	29.32	29.32	45.4	40.6	31.8	55.3	5.9	1.1	186	230	NE	3	SE	1	0	10	—	Bright, but with cold wind.
13	29.25	29.23	51.1	48.7	37.3	53.1	4.1	1.6	274	303	SW	3	SW	3	10	10	—	Cloudy day.
14	29.29	29.46	53.7	49.7	48.7	57.3	4.9	4.0	288	262	WSW	4	W	2	9	10	—	Rough day.
15	29.46	29.60	56.7	43.6	41.8	59.5	5.9	1.9	303	241	WSW	3	WSW	2	8	0	0.170	Bright day. ☉ showers.
16	29.54	29.42	47.7	45.5	42.8	51.1	3.0	1.6	261	268	WSW	2	SW	2	10	10	0.224	Cold with ☉ showers.
17	29.07	29.40	47.1	45.8	41.4	54.1	2.4	1.9	268	264	W	3	NW	1	10	6	0.300	☉ showers.
18	29.52	29.49	49.7	38.4	34.0	57.1	5.4	1.7	233	199	W	1	NW	1	8	0	—	☉ showers.
19	29.41	29.35	51.7	46.6	31.8	61.1	4.1	3.1	281	247	WNW	2	W	1	8	2	—	Cool breeze.
20	29.31	29.43	55.7	49.9	43.2	59.9	4.9	3.2	312	280	SSW	2	W	1	10	10	—	Cloudy day. Haze on hills.
21	29.51	29.55	55.7	52.5	47.4	65.4	4.4	2.7	324	324	SSW	2	SSW	2	10	6	—	Cloudy and warm.
22	29.45	29.62	66.4	49.7	46.4	75.1	7.9	3.0	389	283	SSW	4	SE	1	3	3	—	☉
23	29.83	29.86	53.5	43.6	42.7	62.4	5.9	1.9	265	241	NW	1	NW	1	2	0	—	Bright day.
24	29.82	29.74	57.0	52.2	34.8	67.1	9.4	4.6	237	276	E	2	E	1	0	1	—	☉. Cool breeze.
25	29.77	29.77	58.8	48.6	42.0	69.2	14.1	4.5	182	239	E	1	NE	1	1	0	—	☉. Bright and hot.
26	29.80	29.73	57.8	46.0	36.7	66.7	11.1	4.1	218	222	E	2	SE	1	0	5	—	☉. Cool breeze.
27	29.68	29.59	60.8	52.2	40.0	66.9	7.5	2.4	319	328	E	1	E	1	0	2	—	☉. Cool breeze.
28	29.43	29.31	53.7	54.6	50.8	64.9	1.3	2.6	375	356	ESE	1	NE	2	10	10	0.040	☉. ☉ showers.
29	29.23	29.21	53.7	57.8	50.8	58.3	1.1	4.0	381	364	NE	2	NE	3	10	10	0.193	Dull and gloomy, with T. ☉.
30	29.20	29.24	55.9	57.3	52.4	66.9	1.1	0.5	415	454	E	2	E	1	10	10	0.030	T. ☉ showers.
31	29.28	29.31	58.6	56.1	74.8	2.4	2.8	480	407	NE	2	NE	2	0	0	—	☉☉ (mist).	
Mean	29.283	29.302	52.6	47.5	42.2	59.8	4.2	2.1	298	282	74.9	84.9	1.9	1.4	7.0	6.3	2.654	

## CAMBRIDGE.—MAY 1903.

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, +0.019 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	%	%	SE	1	SE	2	10	10	ins.	☉ till 4 a. and 6 p.—7 p.
2	29.37	29.45	52.7	49.7	44.7	56.8	1.8	1.5	349	318	88	89	SE	4	SE	1	7	0	0.039	☉ showers.
3	29.58	29.57	52.3	48.0	42.9	59.3	3.2	2.8	310	267	79	80	SE	4	SE	1	7	0	0.043	☉ all day.
4	29.42	29.35	51.0	49.2	45.8	56.2	1.7	0.8	331	329	88	95	E	4	SE	1	10	10	0.227	☉ all day.
5	29.17	29.15	52.8	51.0	46.9	62.0	0.5	1.6	386	333	96	89	SE	1	SW	1	10	2	0.053	Gloomy, with ☉☉☉ (mist).
6	29.17	29.24	55.1	51.3	38.1	66.3	2.2	1.3	371	344	85	91	Calm	0	SW	1	10	10	0.006	☉ a. Fine and sunny.
7	29.39	29.42	51.0	51.2	48.1	60.3	1.0	1.2	348	345	93	92	SW	3	SW	1	10	10	0.023	☉ showers.
8	29.53	29.63	55.8	49.2	46.2	62.0	4.1	1.0	336	324	75	93	WSW	3	WSW	1	10	3	0.136	☉ showers.
9	29.64	29.64	52.0	47.2	38.1	57.9	2.3	0.4	338	315	84	98	Calm	0	E	1	10	10	0.333	☉☉



## SOUTHAMPTON.—MAY 1903.

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. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning.	Remarks.	
							Dep. of Wet.		Vapour Pressure.	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.	48° 8'	49° 3'	48° 1'	58° 4'	0.5	0.9	333	328	96	94	SE 4	SW 3	10	10	ins. till 9a. Sunny intervals.
2	29° 25	29° 52	53° 0	51° 0	46° 0	58° 2	1.6	2.9	358	301	89	81	SW 3.5	SE 4	10	3	910 Fine and bright. U p.
3	34	27	50° 8	50° 5	48° 8	53° 1	0.5	0.8	359	347	96	94	SE 4	SE 3	10	10	740 till 3.30p.
4	18	16	51° 6	50° 6	48° 9	62° 1	0.9	0.8	359	349	94	95	SW 3	SE 3.5	10	1	010 till 5a. Beautiful day.
5	15	29	52° 7	51° 0	47° 0	57° 6	1.8	1.1	349	346	88	92	SE 3	SW 3	10	10	065 showers a.
6	42	48	56° 9	51° 4	48° 1	59° 2	3.8	1.0	355	353	77	93	SW 3.5	SW 3.5	7	10	285 Bright day. 8 p.
7	58	65	53° 4	49° 3	48° 5	59° 6	2.0	1.4	353	316	87	90	SW 3.5	SW 3.5	10	1	— Fine and sunny. U p.
8	61	61	56° 5	49° 1	42° 4	60° 8	4.6	1.4	331	314	72	90	SE 4.5	SE 3	8	5	015 Beautiful day. U p.
9	63	65	52° 8	49° 4	47° 7	59° 0	1.9	1.5	348	315	87	90	SE 4	W 3	10	3	025 showers a. Bright p. D p.
10	69	71	50° 8	50° 0	41° 5	59° 4	2.6	2.2	306	304	82	85	NE 3	NE 3	8	8	— Cloudy a. Bright p.
11	75	78	46° 9	45° 9	44° 2	51° 2	1.8	1.7	278	271	88	89	NE 3	N 4.5	10	10	070 Overcast day.
12	80	84	49° 7	47° 0	39° 4	54° 8	4.3	3.0	256	253	71	79	NE 4	N 3	8	10	— Cloudy, with bright intervals.
13	85	87	58° 3	51° 0	37° 9	60° 3	7.2	2.1	295	321	61	85	SW 3.5	SW 3	3	10	007 Beautiful a.
14	29° 98	30° 10	55° 8	51° 8	48° 2	58° 4	3.1	2.0	360	333	80	87	W 3.5	SW 4	10	10	— Cloudy day.
15	30° 12	30° 15	53° 2	51° 8	50° 3	59° 4	1.5	1.5	363	346	90	89	SW 4.5	SW 3	10	5	015 Cloudy a. Bright p.
16	30° 17	29° 93	52° 1	48° 6	41° 7	56° 0	4.0	0.7	288	325	74	95	SW 3	SW 4	10	10	290 Cloudy day. from 6p.
17	29° 70	29° 88	51° 6	47° 3	46° 2	55° 6	5.3	1.0	256	302	68	93	NW 5	NW 3	10	7	108 Sunny intervals.
18	30° 06	30° 01	54° 7	48° 9	40° 8	58° 4	5.6	2.6	284	284	67	82	E 3.5	SW 3	0	8	— Beautiful day.
19	29° 95	29° 89	56° 2	51° 6	38° 9	61° 6	6.3	1.7	291	338	64	88	SE 3.5	SE 3	2	1	— a. and p. Beautiful day.
20	29° 91	30° 01	54° 4	53° 3	45° 8	65° 3	3.1	1.2	338	373	80	92	SW 3	SW 3.5	10	2	— a. and p. Cloudy day.
21	30° 12	30° 14	62° 9	54° 3	46° 0	66° 3	6.5	2.0	373	365	65	86	SW 3.5	SE 3.5	2	0	— Beautiful day.
22	29° 07	29° 08	68° 1	62° 1	51° 7	75° 1	8.1	3.3	412	449	60	80	SSE 3.5	SW 3	0	6	018 Beautifully fine and warm.
23	30° 30	30° 32	64° 0	54° 8	48° 3	72° 6	7.8	1.9	356	376	60	88	NE 3.5	SE 3	1	0	— Beautifully fine and warm.
24	30° 30	29° 25	62° 1	54° 9	45° 0	71° 3	6.7	1.2	359	355	65	60	NE 3.5	NE 3.5	0	0	— Beautifully fine and warm.
25	24	20	63° 8	59° 2	42° 8	73° 2	7.3	4.8	366	362	61	72	NE 3	NE 3	0	1	— Beautifully fine and warm.
26	21	30° 13	63° 9	58° 2	47° 4	73° 3	8.9	8.1	329	275	55	56	NE 3	NE 4	3	1	— Beautifully fine and warm.
27	30° 07	29° 96	63° 9	59° 7	48° 1	70° 8	6.1	4.7	399	372	67	72	NE 4.5	NE 3	6	8	— Beautifully fine and warm.
28	29° 81	29° 73	61° 7	61° 5	53° 8	72° 1	2.9	3.2	456	442	83	81	NE 4	NE 3	10	2	180 Beautifully fine and warm.
29	66	66	57° 5	64° 6	55° 3	72° 3	0.3	2.6	464	516	97	84	NE 3	SE 3	10	10	075 till 10a. Bright p. p.
30	69	69	69° 2	66° 5	58° 1	75° 3	5.0	3.7	523	515	74	79	SSW 3	SW 3	8	10	— Delightful day. < p.
31	29° 71	29° 71	70° 5	68° 1	61° 5	79° 1	6.2	3.1	511	507	68	82	NE 3.5	NE 3	8	0	— Delightfully fine and warm.
Mean	29° 803	29° 811	57° 0	53° 6	47° 0	63° 5	4° 1	2° 5	355	352	76° 3	84° 6	3° 6	3° 3	6° 9	5° 5	2° 873

## PLYMOUTH.—MAY 1903.

Height above Mean Sea Level, 116 feet. Heights above Ground:—Bar., 0 feet. Therms., 4 feet. Rain-gauge, 10 inches.  
Long. 4° 8' W. Lat. 50° 22' N. Gravity Correction, +0.015 in.

1	29.31	29.49	51.2	48.6	46.9	54.6	2.8	1.4	307	307	81	90	NW 4	W 3	10	2	13	● showers. Sunny intervals.
2	29.19	29.23	53.1	48.9	47.7	55.7	2.4	1.2	339	317	83	92	SW 4	SSE 7	3	10	82	Sunny, then squally ● <sup>2</sup> .
3	29.17	29.16	51.9	51.7	47.6	57.9	1.9	1.7	336	339	87	88	SE 4	ESE 3	10	7	01	● early a. Sunny intervals p.
4	29.11	29.10	53.3	50.6	41.6	58.7	3.1	1.6	323	327	79	89	SE 4	Calm 0	9	7	—	Fine and sunny.
5	29.11	29.25	53.2	51.0	47.1	57.3	2.6	1.1	335	346	83	92	Calm 0	WSW 2	9	9	17	● showers. Sunny intervals.
6	29.35	29.45	55.3	51.1	48.0	56.5	2.8	1.2	359	345	82	91	SW 3	WSW 3	4	7	01	Fine and sunny.
7	29.52	29.55	53.6	50.4	48.2	55.7	3.5	1.5	318	328	77	90	WSW 4	SSE 3	7	10	02	● <sup>2</sup> shower a. Sunny day.
8	29.46	29.52	53.5	48.2	47.9	58.9	3.8	1.0	309	312	75	93	SSE 5	SE 3	8	5	17	● showers. Sunny intervals.
9	29.55	29.60	54.8	49.1	46.6	56.5	4.7	2.0	306	299	72	86	SE 4	Calm 0	4	1	—	Fine and sunny.
10	29.63	29.66	55.0	48.8	39.1	55.8	4.1	2.3	323	290	75	84	Calm 0	E 2	3	7	03	Fine a., then T.
11	29.72	29.76	48.3	45.1	44.1	53.9	3.1	3.4	265	226	78	75	NNE 4	N 4	10	3	—	Fine and sunny.
12	29.78	29.83	48.5	46.3	38.3	58.1	5.6	2.3	219	261	64	84	N 3	N 2	7	0	03	Fine and sunny. ● in evening.
13	29.82	29.85	51.5	51.0	37.9	55.1	1.3	2.3	346	316	90	84	W 1	W 4	9	10	—	Fine, but overcast.
14	29.95	30.04	53.1	51.8	49.9	55.9	2.0	1.8	349	338	86	87	SW 5	SW 4	10	10	04	Fine, but overcast.
15	30.06	30.15	54.8	48.0	47.3	57.1	3.2	2.3	343	328	80	84	W 5	WNW 3	6	0	02	● showers. Sunny intervals.
16	30.12	29.87	52.3	49.8	38.4	52.9	4.3	1.8	284	312	72	87	W 5	SW 6	10	10	14	Squally ● showers.
17	29.77	29.92	50.3	48.5	43.9	52.7	6.1	2.5	228	280	62	82	NW 6	NNW 3	4	3	—	Fine and sunny.
18	29.99	29.96	55.0	48.7	42.0	56.7	7.3	1.1	254	317	59	92	ESE 2	Calm 0	2	2	—	Fine and sunny.
19	29.85	29.83	54.2	53.0	40.0	59.9	4.2	2.9	308	325	73	81	E 4	E 1	2	9	—	Fine and sunny.
20	29.85	29.97	57.0	52.7	50.9	62.8	4.1	1.7	349	351	75	88	SW 1	WSW 1	9	2	—	Fine and sunny.
21	30.06	30.06	56.2	51.0	48.4	57.9	3.0	0.5	367	361	81	97	S 1	SSE 2	6	10	—	Fine and sunny. ☞ p.
22	29.94	29.10	62.8	52.2	49.9	64.1	5.9	3.3	387	306	69	78	SW 4	NNW 3	0	2	—	Fine and sunny.
23	30.26	30.24	59.1	57.2	45.6	63.7	6.9	3.8	311	359	62	76	N 2	Calm 0	0	0	—	Fine and sunny.
24	29.18	29.17	58.1	56.9	52.6	62.6	5.2	4.1	339	348	70	75	ESE 5	E 3	0	0	—	Fine and sunny.
25	29.16	29.16	61.1	57.1	50.6	68.1	7.0	6.2	335	301	63	65	Calm 0	N 2	0	0	—	Fine and sunny.
26	29.14	29.07	60.9	62.5	51.8	71.1	11.6	0.3	238	371	45	66	NE 4	NE 4	1	0	—	Fine and sunny, then cloudy.
27	30.00	29.91	66.5	61.7	52.8	69.8	10.6	5.0	327	394	51	72	ENE 4	NE 4	0	5	08	Fine and sunny till 5p., then T.
28	29.76	29.68	64.5	58.0	54.9	67.3	6.0	3.4	411	383	68	79	NE 3	Calm 0	4	3	19	Fine and sunny a. T.
29	29.59	29.57	57.4	57.0	54.5	59.9	0.8	1.1	448	431	95	92	ENE 4	SSE 4	10	10	12	Overcast, with ●.
30	29.63	29.68	57.3	59.2	53.3	66.0	1.1	2.3	436	431	92	86	Calm 0	N 3	9	10	03	☞ a. Sunny p.
31	29.67	29.70	63.0	64.0	54.8	72.4	2.4	2.3	493	515	86	86	N 3	N 3	8	0	—	T before 9a. Fine and sunny.
Mean	29.741	29.759	55.7	52.6	47.1	59.9	4.3	2.4	332	336	74.7	84.2	3.2	2.6	5.6	5.0	2.01	

## ARMAGH.—MAY 1903.

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. at Station Level.		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 Pressure.		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.	45.8	45.6	41.0	49.8	1.0	0.1	286	304	93	100	NbyE 0.5	N 0.5	10	10	ins.	Overcast, with ☉.
2	29.29	29.30	46.8	45.9	43.2	57.2	0.3	2.0	314	265	98	86	NbyNo.5	SEbyE 1	10	8	.440	
3	29.11	29.13	46.6	49.6	45.2	55.9	0.8	2.0	299	305	95	86	ENE 2	E 1	10	10	.010	Overcast.
4	29.07	29.05	50.8	46.0	46.0	52.0	1.2	0.2	341	306	91	99	E 1	NE 1	10	10	.014	
5	29.03	29.15	49.0	46.3	43.3	55.2	2.5	3.8	287	232	83	74	NNE 0.5	ENE 1	10	7	.240	Overcast, with ☉.
6	29.27	29.33	46.4	43.0	43.0	52.0	2.0	1.2	269	251	86	90	NNE 1	NNE 1	10	10	.116	
7	29.34	29.37	47.6	46.1	41.2	54.3	4.0	2.1	240	264	73	85	SE 0.5	ESE 2	9	10	.095	Overcast, with ☉ showers.
8	29.44	29.51	47.8	46.3	45.0	56.0	1.4	4.7	298	215	90	69	ESE 3	ENE 2	10	10	—	
9	29.59	29.65	47.2	45.0	45.0	54.8	3.2	1.7	251	260	78	87	ENE 2	NE 1	10	10	.040	Overcast all day.
10	29.69	29.78	48.0	42.8	42.6	50.0	2.2	2.0	281	233	85	85	NNE 2	N 1	10	10	.045	
11	29.79	29.72	46.6	45.1	35.9	51.0	4.3	0.7	224	284	71	94	N 1	N 0.5	10	10	.040	Overcast, with ☉ showers.
12	29.71	29.66	49.8	43.4	41.0	53.2	3.8	2.0	267	238	75	84	NNW 1	WNW 1	10	3	.052	
13	29.45	29.38	48.6	49.8	41.7	53.9	6.3	2.2	207	302	61	85	SW 3	SW 4	10	10	.300	☄ shower noon.
14	29.50	29.59	52.6	48.4	48.4	56.2	3.0	3.4	318	260	80	77	SW 3	SW 4	10	10	.240	
15	29.73	29.84	50.3	45.1	43.0	56.0	5.7	3.8	235	219	64	73	WSW 3	SW 3	8	9	.257	Fine and sunny.
16	29.69	29.49	50.1	44.6	42.5	53.3	3.0	1.3	287	265	80	90	SSW 2	NNW 2	10	10	.490	
17	29.66	29.87	48.6	42.0	41.8	57.5	2.1	4.8	292	177	86	67	N 3	NNW 1	10	2	—	Fine and sunny.
18	29.89	29.82	49.6	44.1	36.0	55.0	6.0	6.0	223	173	63	60	WSW 1	SW 1	10	0	—	
19	29.73	29.63	51.8	48.3	34.5	57.0	5.0	5.0	265	228	70	67	SSE 2	SSE 2	0	8	—	Fine and sunny.
20	29.58	29.67	52.0	53.0	47.7	60.2	3.0	4.4	310	290	80	72	WSW 2	SW 2	10	10	—	
21	29.74	29.74	53.4	53.4	51.2	62.2	2.3	2.8	345	332	85	82	SW 3	S 2	10	10	—	Fine and sunny.
22	29.62	29.94	57.1	43.6	43.6	60.0	5.5	2.8	317	224	68	79	S 4	NW 1	9	0	.128	
23	29.30	29.20	52.6	48.3	40.0	58.0	5.6	5.3	261	222	66	65	WSW 2	SSE 1	4	7	—	Fine and sunny.
24	29.14	29.07	58.1	50.1	36.4	65.9	6.0	5.0	319	246	66	68	S 3	S 1	0	0	—	
25	29.11	29.17	61.6	54.6	40.0	70.3	6.9	7.0	344	255	63	60	S 0.5	NE 1	0	0	—	Fine and sunny.
26	29.20	29.15	61.6	54.8	40.2	70.0	5.8	6.8	371	261	68	61	NE 1	Calm 0	0	0	—	
27	29.30	29.13	62.6	54.6	42.6	68.6	9.0	9.0	309	219	54	51	ENE 1	ENE 1	0	0	—	Fine and sunny.
28	29.89	29.73	63.8	58.0	47.8	70.0	7.0	7.5	374	286	63	59	NE 1	ENE 1	0	9	—	
29	29.66	29.60	60.6	58.0	48.7	66.8	8.0	5.0	306	342	58	71	ENE 1	ENE 1	0	10	.670	Fine and sunny.
30	29.53	29.57	53.8	53.6	52.4	60.0	0.4	1.6	403	366	97	89	E 2	SE 1	10	3	—	
31	29.68	29.75	59.0	54.4	53.6	62.0	2.0	0.8	436	401	88	95	WSW 0.5	N 1	10	10	—	Overcast all day.
Mean	29.637	29.649	52.3	48.5	43.4	58.3	3.8	3.5	299	265	76.7	77.7	1.7	1.4	7.4	6.7	3.104	Overcast all day.



## DUBLIN (PHOENIX PARK).—MAY 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep. of Wet.		Vapour Pressure.		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	29.33	29.35	45.2	46.4	37.6	48.0	0.6	0.1	28.7	31.4	96	99	Calm	0	Calm	0	10	10	395	Overcast, with ☉.
3	34	25	51.8	49.5	42.9	56.8	3.6	2.6	295	290	76	82	Calm	0	E	1	5	10	265	Fine, but cloudy. ☉ from 10p.
4	09	17	49.9	48.4	45.7	57.3	0.4	1.3	349	308	98	91	E	1	Calm	0	9	10	020	☉ till 7a. Cloudy day.
5	12	08	50.5	47.4	43.5	51.6	1.4	0.8	331	308	90	94	Calm	0	Calm	0	9	10	055	Cloudy, with ☉ showers.
6	09	21	47.5	44.0	43.2	53.7	1.6	0.7	290	272	88	94	Calm	0	Calm	0	10	4	—	Dull a. Cloudy p.
7	40	43	46.6	47.2	43.6	49.6	1.3	0.8	297	278	97	94	Calm	0	Calm	0	10	10	070	Overcast, with ☉ showers.
8	47	52	50.6	45.8	35.1	57.0	2.8	1.3	278	318	88	98	Calm	0	Calm	0	10	7	145	Dull day. ☉ 3p.-9p.
9	61	67	45.5	45.6	44.2	48.4	0.7	1.7	289	268	95	87	E	1	NE	1	10	10	065	Cloudy, with ☉ showers.
10	71	81	44.8	43.0	41.9	47.3	1.4	1.9	264	236	89	85	NE	2	NE	1	10	10	142	Overcast, with ☉ showers.
11	82	79	44.0	41.4	39.2	49.7	4.3	0.1	200	259	69	99	N	1	Calm	0	7	7	130	☉ a. Cloudy and overcast.
12	78	75	47.8	47.4	40.7	52.8	3.0	1.4	263	293	80	90	Calm	0	Calm	0	8	7	040	Cloudy day. ☉ 6p.
13	60	56	47.3	51.5	41.3	53.6	1.6	2.6	287	315	89	82	SW	2	WSW	2	10	8	015	☉ showers. Sunny intervals.
14	63	29.74	54.1	51.6	50.3	58.7	2.9	2.3	338	323	80	84	SW	3	SW	1	9	10	163	Dull, with ☉ showers.
15	84	30.00	47.5	46.9	43.1	57.0	2.0	3.8	281	236	86	75	WSW	1	Calm	0	7	3	—	Cloudy day.
16	84	29.56	50.0	44.8	43.9	53.8	3.1	0.6	284	283	79	96	SW	2	W	1	8	6	245	☉ 5a.-8a. Fine and sunny.
17	69	62	47.6	43.3	39.3	55.8	3.1	2.1	258	235	79	84	NW	2	Calm	0	10	3	—	☉ noon-8p.
18	97	89	47.4	44.8	36.2	54.8	5.4	1.4	211	264	65	89	Calm	0	E	1	9	3	—	☉ 5a.-6a. Fine, but cloudy.
19	80	73	53.1	47.7	36.7	56.4	6.1	1.2	256	302	63	92	SE	1	Calm	0	4	3	005	Fine, but cloudy. ☉
20	67	77	54.6	55.0	45.9	60.3	3.5	4.8	332	307	78	71	W	1	SW	1	9	8	—	Fine, but cloudy.
21	85	29.86	56.5	53.4	49.8	63.7	4.1	3.8	343	309	74	76	SW	2	SE	1	7	5	—	Fine, but cloudy.
22	29.73	30.02	57.2	48.4	47.8	58.0	4.5	3.3	342	262	73	78	SSW	3	SW	1	4	3	050	Cloudy day. ☉ 3p.
23	30.28	27	51.4	49.1	39.0	58.9	5.0	4.5	259	246	68	71	Calm	0	Calm	0	5	0	—	Beautiful day.
24	19	15	61.1	45.2	37.1	63.9	6.7	1.5	343	266	64	89	SE	1	Calm	0	1	1	—	Beautiful day.
25	18	20	59.9	49.6	36.9	65.6	2.9	1.7	424	313	83	88	Calm	0	Calm	0	0	0	—	Beautiful day.
26	24	19	60.6	47.6	39.9	65.2	5.5	1.9	365	284	70	87	Calm	0	Calm	0	0	2	—	Beautiful day.
27	30.16	30.06	59.5	50.7	39.9	64.0	7.7	2.1	299	317	58	86	E	1	Calm	0	2	2	—	Beautiful day.
28	29.92	29.75	59.4	55.6	45.0	66.4	3.9	3.2	390	354	77	79	NE	1	NE	1	6	5	—	Fine, but cloudy.
29	67	60	56.1	54.6	48.2	61.0	4.4	0.1	332	425	73	100	ENE	2	NE	1	8	10	305	Fine, but cloudy. ☉ from 6p.
30	57	64	54.2	54.8	52.0	60.9	0.5	0.2	406	424	97	98	N	1	Calm	0	10	9	025	☉ showers a. Cloudy p.
31	29.74	29.79	56.7	57.1	47.1	66.1	2.0	1.5	401	421	87	90	Calm	0	Calm	0	6	9	—	Fine, but cloudy.
Mean	29.698	29.712	51.7	48.5	42.4	56.9	3.1	1.8	309	300	80.3	87.7	0.9		0.4		7.2	6.0	2.195	

## BIRR CASTLE.—MAY 1903.

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	29.31	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine, but cloudy.
2	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny. n.
3	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
4	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	showers at night.
5	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine day.
6	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine, but cloudy.
7	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine, but cloudy.
8	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	showers.
9	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Cloudy day.
10	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Cloudy, with showers.
11	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Sunny day. showers.
12	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Cloudy, with showers.
13	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Overcast, with
14	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	39 (mist) 9a. Overcast, with
15	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
16	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
17	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
18	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
19	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine, but cloudy.
20	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
21	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
22	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
23	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
24	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
25	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
26	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
27	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
28	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
29	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
30	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Fine and sunny.
31	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	39 (mist) 9a. Gloomy day.
Mean	29.30	29.34	49.7	47.7	39.0	55.0	2.7	1.9	29.1	28.5	82	87	NW	2	E	1	3	3	—	Overcast all day.

## DEERNES.—JUNE 1903.

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. at Station Level.		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 Pressure.	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.								
1	ins.	ins.	48.2	46.0	44.2	52.0	1.2	2.3	307	259	92	84	SSW 2	WNW 4	10	7	ins.		
2	29.64	29.71	48.2	46.0	44.2	52.0	1.2	2.3	307	259	92	84	N 4	NNW 2	6	6	—	Cold and dry.	
3	30.14	30.08	50.5	49.2	41.8	53.8	5.5	0.2	240	345	65	99	W 3	W 6	9	6	—	Cold and dry.	
4	17	18	52.7	49.0	46.8	57.0	2.0	0.2	344	348	87	100	W 5	W 4	6	10	0.8	0.5 p., then $\frac{1}{2}$ .	
5	21	26	48.5	47.4	46.0	51.8	1.9	4.1	294	235	86	73	N 1	NW 2	10	10	—		
6	23	22	52.0	53.3	46.3	57.8	1.8	1.3	340	370	87	91	W 4	WNW 3	10	10	—		
7	25	25	51.7	48.2	47.8	54.0	0.7	0.8	365	377	95	95	Calm	E 1	10	10	—		
8	25	30.20	50.5	46.2	45.2	51.6	1.1	0.2	339	308	92	99	SE 2	E 2	7	10	—	$\frac{1}{2}$ after 7p.	
9	30.09	29.96	48.4	48.0	44.4	53.0	0.2	0.3	336	327	98	98	NE 2	NE 2	10	10	—	$\frac{1}{2}$ after 6p.	
10	29.91	29.95	49.5	46.5	45.6	54.0	0.5	3.9	341	229	96	74	NNE 4	NNE 5	10	10	—	a.	
11	92	91	44.0	43.5	42.8	49.4	4.0	4.3	205	196	71	69	N 5	N 4	10	8	—	Very cold and dry.	
12	88	85	47.2	44.8	40.8	52.4	3.1	2.4	253	243	79	82	NW 3	N 3	8	8	15	showers from 2p.	
13	83	92	47.1	44.2	40.6	51.6	4.1	3.2	232	222	72	76	N 5	N 5	7	1	04	Cold, with 0.5 showers.	
14	94	98	50.7	46.2	42.8	53.2	3.5	1.2	284	285	77	92	N 5	NNE 1	3	1	—	Fine day.	
15	95	86	50.2	47.0	42.2	55.5	2.4	1.9	302	277	84	87	NNE 4	NNE 3	7	2	—	Fine day.	
16	76	74	47.0	46.5	44.2	52.0	3.7	4.5	239	219	75	70	NNE 4	NNE 4	10	10	—	Cloudy, cold, and dry.	
17	65	64	48.0	44.0	43.0	50.0	5.2	4.5	220	197	66	68	NNE 6	N 6	10	3	—	Cloudy, cold, and dry.	
18	57	55	44.2	42.8	41.0	50.8	2.5	3.8	236	199	81	72	N 6	NW 3	8	3	—	Fine, cold, and dry.	
19	58	71	45.6	43.0	39.0	50.0	5.6	3.4	193	208	63	75	NW 3	NNW 2	6	2	—	Fine, cold, and dry.	
20	81	91	50.5	48.1	39.0	55.3	2.5	2.0	304	286	83	86	WSW 1	WNW 2	6	2	—		
21	89	29.91	49.1	50.0	43.2	55.2	1.3	2.0	316	309	91	86	WSW 3	W 3	10	8	08	0.5 a.	
22	98	30.01	51.8	47.3	45.4	52.8	3.2	2.8	304	261	79	81	ENE 1	E 3	7	10	—		
23	94	29.89	50.7	51.0	46.2	55.8	0.7	2.0	352	335	95	86	ESE 3	SE 1	10	10	—		
24	85	87	53.1	52.0	49.6	55.8	1.9	1.6	351	333	86	89	SE 3	SE 4	8	6	—	0.5 a. $\infty$ all day.	
25	91	93	56.3	51.2	49.7	57.0	4.6	0.9	329	353	72	94	SE 5	ESE 4	2	9	—		
26	86	77	54.2	53.0	49.2	58.2	6.6	0.2	348	397	83	99	ESE 4	SE 7	8	10	13	8p.-11p. (gale).	
27	72	79	57.2	52.2	50.8	61.6	2.2	1.4	403	353	86	91	S 4	ENE 2	8	8	175	Very fine day.	
28	53	79	53.8	52.6	50.7	61.6	0.3	1.1	407	367	98	93	S 2	W 1	10	9	25	0.5 a. T noon.	
29	70	79	51.2	52.0	47.5	55.8	0.2	1.5	371	348	99	90	SE 2	W 3	10	8	20	2.5 a.-10a. T 11a.	
30	29.90	29.80	56.0	52.0	50.2	60.0	2.9	0.4	368	372	82	97	W 3	S 3	8	10	095	0.5 from 6p.	
Mean	29.897	29.919	50.2	48.1	45.0	54.3	2.5	2.0	306	291	83.3	85.8	3.3	3.2	8.1	7.2	1.290		



BRAEMAR.—JUNE 1903.

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. at Station Level.		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 Pressure.		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	47°7	46°2	60°0	2°7	3°9	in.	in.	%	%							
2	28°65	28°76	52°0	47°7	46°2	60°0	2°7	3°9	318	243	82	74	SW	1	E	1	8	3	ins.
3	28°87	29°07	50°6	43°9	40°8	60°0	6°1	3°4	231	216	63	75	NW	1	NE	0°5	3	8	01
4	29°14	1°8	49°9	38°6	30°8	64°1	6°4	5°8	218	331	61	67	NE	0°5	W	0°5	4	8	—
5	21	18	63°6	60°5	48°5	71°6	9°3	4°2	316	397	54	76	SW	1	S	0°5	5	1	30
6	19	25	56°4	52°9	52°1	69°0	3°9	3°4	348	313	76	78	NW	1	E	0°5	7	3	—
7	20	21	60°8	56°9	41°5	72°5	8°3	3°2	302	370	57	80	E	0°5	E	0°5	1	1	—
8	23	24	60°6	56°7	52°6	72°5	5°2	2°7	372	381	71	83	E	0°5	E	0°5	2	1	—
9	29°17	29°14	61°6	55°8	47°5	73°0	6°6	6°2	351	288	64	64	E	1	E	0°5	1	10	—
10	28°98	28°89	58°7	55°0	68°1	68°1	8°7	4°3	269	318	54	74	E	0°5	E	0°5	7	9	—
11	84	91	56°7	47°1	46°0	61°0	6°9	1°6	283	286	62	89	E	1	NE	1	8	10	—
12	92	88	43°2	41°7	40°4	50°0	3°6	4°2	206	184	74	71	E	1	E	0°5	9	2	—
13	84	82	50°4	45°8	38°2	59°1	7°6	4°1	203	221	56	72	E	0°5	NE	0°5	2	9	—
14	84	88	44°7	39°7	38°5	57°2	5°2	2°0	192	205	64	84	N	0°5	NE	2	8	9	15
15	91	93	46°7	44°9	35°8	54°0	3°2	2°1	213	229	67	77	E	0°5	E	1	5	1	—
16	85	76	53°7	48°1	41°9	56°1	5°1	3°6	283	252	68	75	E	1	E	1	8	8	—
17	68	69	42°0	43°2	42°0	57°2	1°3	1°4	239	249	90	89	NE	1	E	1	9	10	01
18	61	66	43°5	40°7	39°4	46°1	3°0	2°2	220	210	77	83	E	2	E	1	9	6	—
19	57	58	42°9	42°3	36°8	54°0	3°4	2°6	207	217	76	81	E	0°5	E	0°5	8	8	—
20	56	70	49°7	43°2	38°5	52°0	8°0	2°6	189	224	53	81	N	1	NE	1	4	5	—
21	78	86	50°8	46°7	27°8	56°1	7°1	2°7	215	257	59	81	NE	0°5	SE	0°5	2	8	—
22	88	93	54°9	49°8	32°8	61°4	10°2	5°0	202	244		47	SE	0°5	NW	0°5	5	7	—
23	95	96	53°4	49°6	40°2	62°0	5°9	2°0	263	305	65	86	NW	0°5	E	0°5	7	7	01
24	94	88	50°8	52°3	46°2	55°7	3°7	2°5	280	327	76	83	SW	1	S	0°5	8	8	—
25	83	84	56°4	53°8	37°7	62°9	4°9	5°3	324	280	71	68	S	0°5	SE	2	8	8	—
26	85	90	52°6	55°8	48°8	63°0	1°8	2°3	348	381	88	85	SE	0°5	S	0°5	10	8	01
27	87	74	56°4	55°8	46°9	64°3	3°5	2°2	358	384	88	86	SE	0°5	SW	2	10	10	03
28	75	79	59°6	57°6	53°0	67°2	5°1	2°1	361	413	71	86	SW	2	S	0°5	8	8	—
29	61	83	56°9	55°2	55°0	65°4	1°6	2°4	475	373	90	86	SW	4	NW	0°5	8	5	25
30	79	89	48°8	56°6	47°5	58°0	2°3	6°9	290	282	84	62	W	6	W	1	10	8	07
Mean	28°94	28°91	54°8	53°6	48°0	55°8	4°6	1°9	309	358	72	87	SW	0°5	SW	2	8	9	17
Mean	28°88	28°908	52°8	50°4	42°6	61°0	5°2	3°3	277	291	69°0	78°4	1°1		0°8	6°4	6°6	1°42	

LAUDALE.—JUNE 1903.

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

1	29°87	30°00	50°0	50°0	47°0	58°8	1°7	2°6	*317	*295	88	82	Calm	0	N	2	10	10	*03	Raw, with ☼ <sup>0</sup> (mist).	
2	30°11	*27	51°8	48°2	45°0	55°5	4°8	3°2	*268	*261	70	78	N	3	N	2	6	0	—	Fine and dry.	
3	*36	*42	54°4	54°0	38°7	60°2	6°4	2°0	*264	*360	62	86	S	1	Calm	0	0	10	—	☼ <sup>2</sup> a. Fine day. ☼ <sup>0</sup> (mist) n.	
4	*46	*45	53°2	52°0	46°0	60°2	1°2	1°0	*371	*361	92	93	N	2	SW	1	10	10	*15	☼ <sup>2</sup> (mist). ☼ <sup>2</sup> showers n.	
5	*42	*44	55°7	53°0	51°0	62°8	1°7	1°3	*395	*366	89	91	NW	1	Calm	0	10	4	—	☼ <sup>0</sup> (mist) a. Fine day.	
6	*43	*37	55°0	50°0	45°7	65°4	2°2	4°0	*370	*351	86	75	Calm	0	Calm	0	7	0	—	☼ <sup>2</sup> (mist) a. Very fine.	
7	*36	*33	67°5	60°0	49°6	72°4	6°5	3°0	*447	*423	66	82	SE	1	Calm	0	0	1	—	Fine and warm.	
8	*30	*27	68°0	60°2	50°7	76°4	8°6	3°2	*397	*420	58	81	SE	2	Calm	0	1	5	—	Fine and warm.	
9	30°15	30°01	64°7	60°2	51°2	71°0	7°7	3°2	*369	*420	60	81	Calm	0	Calm	0	1	4	—	Fine, warm, and sultry.	
10	29°95	29°98	65°7	57°2	53°9	67°8	7°9	3°4	*379	*370	60	79	E	1	E	3	5	2	—	Fine and warm.	
11	30°03	30°04	50°0	49°1	43°9	57°2	6°7	2°9	*254	*279	61	79	E	3	ENE	3	1	2	—	Cold and unseasonable.	
12	*08	*10	52°9	50°0	38°9	57°0	5°7	3°0	*262	*286	65	80	NW	2	N	3	7	5	—	☼ <sup>1</sup> a. Cold and dry.	
13	*08	*09	50°3	46°5	44°4	56°3	4°6	3°5	*256	*238	70	76	NE	4	N	3	5	7	—	☼ <sup>1</sup> a.	
14	*14	30°10	51°0	50°0	35°0	60°7	5°8	4°0	*240	*265	64	74	E	3	E	2	2	6	—	☼ <sup>1</sup> a. Clear and cold.	
15	30°03	29°93	56°6	55°0	42°0	65°0	4°6	5°3	*281	*295	71	69	E	2	ENE	4	2	8	—	Clear and dry.	
16	29°85	*84	56°0	48°7	48°0	56°0	6°0	2°9	*299	*275	65	81	E	4	E	3	10	8	*01	Dull and squally.	
17	*77	*78	52°0	47°3	47°3	56°8	4°4	4°3	*295	*230	72	71	E	5	ENE	4	4	4	—	Squally (gale).	
18	*77	*73	48°0	48°3	37°0	56°0	5°3	4°3	*219	*241	66	71	E	4	NNW	2	8	8	—	Very dry and cold.	
19	*76	29°86	50°0	54°8	40°0	57°3	5°0	2°8	*245	*351	68	82	Calm	0	N	2	8	0	—	Fine day.	
20	29°98	30°06	54°8	50°0	33°6	60°2	2°8	3°7	*351	*271	82	76	N	1	N	1	0	2	—	☼ <sup>2</sup> a. Clear and dry.	
21	30°10	*13	57°0	51°0	38°7	63°0	5°8	3°0	*309	*299	66	80	NW	1	Calm	0	0	8	—	Fine and warm.	
22	*09	30°10	57°4	51°8	47°0	63°7	4°8	3°8	*337	*290	71	75	S	1	S	3	7	10	—	Dull and sultry.	
23	30°03	29°97	54°3	56°4	46°0	66°8	2°6	2°4	*349	*385	82	85	S	2	SE	1	6	10	*04	Dull, with ☼ showers.	
24	29°92	29°91	60°0	57°2	47°0	67°0	6°0	2°2	*344	*403	66	86	SE	2	SSE	1	8	8	*15	☼ showers.	
25	*93	30°00	58°8	58°0	49°0	69°9	6°9	2°0	*309	*421	63	87	S	1	S	1	6	2	—	Fine and warm.	
26	*93	30°81	60°1	58°8	48°0	65°9	1°1	2°5	*383	*419	93	85	S	4	S	4	8	10	*30	Dark day. ☼ at intervals.	
27	*92	*86	57°0	58°0	53°2	63°8	2°0	1°0	*405	*451	87	93	SW	2	Calm	0	6	10	*40	☼ <sup>2</sup> ☼ <sup>0</sup> (mist).	
28	*72	29°92	61°0	60°0	56°0	64°5	1°6	3°0	*483	*423	90	82	S	1	SW	1	8	7	*65	☼ <sup>2</sup> showers n. Fine day.	
29	29°93	30°07	52°2	56°0	49°0	64°2	3°2	3°0	*308	*365	79	81	W	2	W	3	8	9	*20	☼ <sup>2</sup> showers.	
30	30°07	30°05	55°0	57°0	53°0	59°7	2°8	2°0	*354	*405	82	87	S	4	W	4	10	10	*82	Stormy day, with ☼.	
Mean	30°051	30°064	56°0	53°9	45°9	62°8	4°5	3°0	*331	*341	73°1	80°9	2°0				1°8	5°5	6°0	2°75	

DUNDEE.—JUNE 1903.

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

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
							Dep. of Wet.		Vapour Pressure.	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° 67	29° 77	53° 4	49° 4	48° 8	58° 8	1° 3	0° 8	371	333	91	94	SE	1	SE	1	10	10	04	Dull day. ● 7p.
2	29° 92	30° 10	55° 9	45° 9	42° 4	57° 6	6° 9	1° 4	275	278	60	91	NW	2	NE	1	5	10	—	Dull day.
3	30° 21	22	55° 4	49° 8	37° 5	58° 9	4° 9	3° 3	311	277	71	78	SW	2	E	1	0	5	—	Cloud and sunshine.
4	23	22	67° 1	54° 6	44° 7	77° 7	7° 4	2° 6	415	353	63	83	SW	1	NE	1	5	10	39	Fine till 6p.
5	22	28	56° 4	50° 6	50° 0	59° 2	0° 2	1° 1	449	341	98	93	SE	2	SE	1	10	10	—	Dull day.
6	27	27	58° 8	50° 6	48° 4	63° 3	3° 5	1° 1	391	341	79	93	SE	2	NE	1	5	0	—	Fine from 11a.
7	25	24	57° 4	52° 4	48° 9	64° 9	2° 1	1° 4	409	355	87	90	SE	1	SE	1	10	10	02	Dull a. and p. ☼ from 8p.
8	25	30° 16	50° 6	48° 4	46° 9	57° 7	1° 2	0° 9	338	318	92	94	SE	1	SE	2	10	10	—	Dull, with ☼.
9	30° 02	29° 90	54° 8	51° 6	44° 7	61° 7	3° 3	1° 3	340	348	79	91	SE	2	E	1	5	10	—	Cloudy day.
10	29° 82	81	60° 7	54° 0	51° 2	65° 3	7° 2	3° 5	326	322	61	77	NE	4	NE	4	10	10	—	Cloudy day.
11	86	90	53° 2	42° 6	41° 6	59° 1	6° 7	2° 6	246	219	61	81	NE	6	NE	4	5	7	—	—
12	92	86	55° 6	46° 3	40° 9	60° 4	6° 6	2° 3	276	261	62	84	SW	2	SE	1	5	10	—	Dull and cloudy.
13	86	29° 90	49° 6	43° 3	42° 5	58° 7	5° 2	0° 7	238	265	67	95	NE	2	NE	1	5	5	11	Cloud and sunshine. ● from 1p.
14	93	30° 04	53° 1	47° 4	36° 5	58° 5	5° 6	1° 9	266	282	66	87	NE	2	NE	4	5	10	—	Cloud and sunshine.
15	92	29° 73	60° 0	51° 6	44° 8	65° 3	6° 3	2° 6	337	315	65	82	NE	4	NE	4	5	10	—	Cloudy day.
16	66	67	48° 8	46° 9	45° 9	52° 4	3° 1	0° 8	272	301	79	95	NE	6	E	1	10	10	11	Dull, with ☼ showers.
17	59	60	49° 6	45° 6	44° 8	52° 3	2° 9	3° 1	284	238	81	79	NE	4	NW	2	10	10	02	☼ showers 10a. Dull day.
18	58	57	48° 5	47° 5	37° 1	57° 4	5° 1	2° 0	228	281	66	86	NE	2	SE	1	10	10	07	Dull day.
19	61	71	44° 8	44° 3	42° 1	55° 5	1° 5	1° 6	262	256	88	88	NW	1	NE	1	10	10	07	☼ showers 5a.-1p.
20	83	91	54° 2	47° 6	37° 2	59° 0	6° 2	2° 3	266	275	63	84	NE	1	NE	1	7	10	—	Cloud and sunshine.
21	94	94	59° 1	53° 2	40° 1	71° 3	6° 0	2° 5	331	338	67	83	SW	2	NE	1	0	5	—	Cloudy day.
22	99	98	54° 9	56° 2	43° 9	70° 4	4° 2	2° 8	320	372	74	82	W	1	NE	1	10	10	02	Cloudy day.
23	97	89	56° 8	51° 8	50° 0	62° 6	2° 8	2° 0	380	333	82	87	S	1	E	1	10	10	01	Dull day.
24	87	86	59° 4	52° 7	45° 9	63° 2	3° 4	1° 4	402	359	80	90	SW	1	SE	4	10	10	02	Dull and cloudy.
25	88	92	54° 8	54° 4	50° 4	64° 1	1° 3	2° 4	393	356	92	84	SE	1	SE	1	10	10	16	T ☼ 2p.
26	90	81	54° 9	56° 4	51° 0	58° 8	0° 8	0° 7	408	434	95	96	SE	2	SW	1	10	10	13	Dull day. ☼ showers from 2p.
27	81	79	60° 0	58° 6	54° 2	65° 8	2° 3	0° 6	444	473	86	96	SW	1	SE	1	10	10	62	☼ showers.
28	65	82	60° 7	60° 9	53° 6	70° 7	1° 4	3° 4	484	426	92	80	SW	2	SW	1	10	5	25	☼ n. Dull till noon.
29	29° 77	92	59° 4	56° 2	53° 8	63° 9	2° 4	3° 1	431	365	86	81	SW	2	SW	4	10	10	09	☼ n. ☼ showers.
30	30° 00	29° 92	58° 1	58° 1	49° 9	61° 7	2° 9	1° 6	398	435	81	89	SW	2	SW	1	10	10	17	Dull, with ☼ showers.
Mean	29° 913	29° 923	55° 5	51° 0	45° 7	61° 9	3° 8	1° 9	343	328	77° 1	87° 1	2° 1		1° 7	7° 7	8° 9	2° 30		



## COCKLE PARK (NEAR MORPETH).—JUNE 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +026 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	56°	51°	48°	61°	1°	2°	in.	in.	%	%	Calms	N	2	10	7	ins.	
2	29°49	29°61	53°	46°	46°	57°	6°	2°	419	323	93	86	N	3	NE	3	8	7	☼ (mist) a. Fine day.
3	29°75	29°91	53°	46°	38°	57°	6°	3°	257	265	64	86	N	3	SE	2	3	5	Fine and sunny.
4	30°04	30°07	53°	46°	38°	57°	6°	3°	257	244	64	79	N	3	SE	2	3	5	Fine and sunny.
5	08	04	55°	51°	44°	71°	8°	1°	366	348	59	93	SW	2	S	3	6	8	253 Splendid day.
6	02	11	58°	49°	48°	62°	2°	1°	421	322	87	93	NW	3	NW	2	4	9	—
7	11	08	55°	47°	46°	58°	3°	1°	349	298	81	93	SE	3	NW	2	9	10	—
8	07	30°06	58°	49°	44°	60°	4°	2°	367	298	76	86	NE	3	NE	3	9	10	—
9	30°04	29°06	54°	43°	42°	59°	2°	1°	360	255	86	92	N	1	NE	3	9	2	—
10	29°78	29°58	54°	49°	42°	57°	4°	1°	310	322	74	93	N	5	NE	3	9	7	—
11	60	59	61°	53°	44°	63°	6°	4°	358	299	67	74	NE	5	NE	4	10	10	—
12	64	71	49°	45°	44°	53°	4°	4°	255	214	73	72	NE	5	NE	4	10	9	—
13	74	70	50°	44°	40°	53°	6°	2°	226	244	63	84	NE	3	SW	2	9	8	—
14	64	67	49°	42°	41°	52°	5°	2°	235	225	67	85	NE	4	NE	2	10	4	—
15	73	71	53°	46°	37°	54°	5°	2°	277	265	69	86	NE	5	NE	3	10	7	—
16	57	47	54°	50°	43°	56°	3°	2°	334	309	80	86	N	5	NE	5	9	9	1°030 Dull, with ☉ <sup>2</sup> .
17	38	44	48°	47°	46°	56°	0°	0°	335	323	100	100	NE	5	N	3	10	10	1°030 ☉ showers. ☼ (mist) n.
18	38	38	46°	44°	43°	48°	1°	1°	287	265	93	92	N	5	N	5	10	10	1°030 ☉ showers.
19	39	41	47°	41°	40°	52°	3°	1°	253	235	79	92	N	5	NW	2	10	1	—
20	41	51	52°	41°	37°	54°	5°	1°	266	235	69	92	NE	3	NE	2	5	2	—
21	61	75	47°	40°	36°	53°	5°	1°	214	226	67	92	N	4	NE	1	6	2	—
22	79	87	52°	52°	34°	63°	8°	6°	210	246	54	64	NW	2	W	3	4	10	—
23	85	85	55°	53°	45°	66°	7°	4°	260	299	60	74	NW	2	SE	1	5	10	—
24	81	73	56°	54°	49°	67°	4°	3°	340	334	75	80	SW	1	SE	1	5	10	—
25	71	67	56°	54°	47°	62°	2°	2°	391	360	87	86	SE	2	SE	3	4	10	—
26	71	75	55°	52°	49°	65°	1°	0°	403	388	93	100	SE	1	SW	1	10	10	—
27	74	72	57°	58°	50°	61°	2°	1°	405	451	87	93	SE	1	SE	2	10	10	—
28	70	64	57°	61°	55°	67°	0°	1°	465	503	100	94	S	1	SE	2	10	10	—
29	60	73	67°	54°	53°	70°	4°	1°	515	388	78	93	W	6	SW	2	3	7	—
30	70	76	61°	51°	49°	63°	5°	1°	383	348	72	93	SW	5	SW	2	3	7	—
30	29°87	29°85	60°	57°	46°	65°	6°	2°	344	405	66	87	W	5	SW	5	5	8	—
Mean	29°731	29°747	54°6	49°0	44°2	59°5	3°9	1°8	329	308	76°1	87°3	3°3	2°6	7°7	7°2	2°547		













## SCARBOROUGH.—JUNE 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +025 in.

1	29°71	29°77	49°0	52°2	39°5	57°0	1°5	1°7	309	345	89	88	SE	2	NE	4	6	—	Dull, with ☁.		
2	29°93	30°15	53°8	51°8	45°5	58°0	4°3	4°0	303	285	72	74	NE	4	NE	5	2	6	—	Very fine day.	
3	30°21	35	49°8	50°2	46°0	58°0	5°0	3°7	242	273	68	75	N	6	N	4	8	6	—	Dull a. Fine p.	
4	31	29	56°5	57°5	46°5	64°5	5°5	4°5	308	345	68	73	Calms	0	SE	2	10	4	—	Fine.	
5	25	29	54°0	52°5	43°0	66°0	1°5	1°3	374	360	89	91	Calms	0	NE	4	10	6	—	Dull and overcast.	
6	32	26	54°0	49°0	44°0	58°0	2°5	2°8	348	278	82	80	NE	3	N	4	10	8	—	Dull and overcast.	
7	27	24	53°2	51°0	46°5	55°5	1°0	1°5	377	335	89	89	NE	3	N	3	10	8	—	Dull, with ☁.	
8	30°24	30°11	49°8	51°5	46°5	55°5	1°0	2°3	331	321	93	84	N	3	N	6	8	4	—	Very fine day.	
9	29°93	29°84	55°0	52°0	49°0	58°2	3°2	2°0	344	335	80	86	NE	4	N	3	4	6	—	Very fine day.	
10	77	73	55°8	55°0	49°0	59°5	2°3	2°0	378	375	85	86	N	5	N	6	8	8	—	Dull day.	
11	80	88	52°0	49°0	48°0	56°	3°0	3°0	309	275	80	79	NE	6	N	6	10	10	—	Fine midday.	
12	93	92	48°5	47°5	46°0	51°0	4°5	0°7	238	311	70	94	NE	8	SW	3	10	3	01	Dull, with ☉ (gale) a. Fine evening.	
13	86	88	46°5	45°0	44°0	50°0	1°7	1°0	276	275	87	92	NE	3	NE	4	10	10	76	●	
14	88	87	48°5	48°0	42°5	53°5	1°5	1°5	304	297	89	88	NE	5	NE	3	8	10	01	Dull and overcast.	
15	73	60	52°5	50°0	43°0	53°5	1°5	0°5	355	348	89	96	E	3	NE	5	10	10	36	Dull day, with ☉.	
16	59	57	53°0	55°2	43°0	57°5	1°0	2°2	374	373	93	86	SE	2	SE	2	2	4	—	Very fine day.	
17	56	53	52°5	48°5	43°0	55°2	1°5	1°5	355	304	89	89	N	2	N	6	10	10	39	Dull day, with ☉.	
18	55	61	48°0	48°5	43°0	51°5	3°0	2°5	264	279	79	82	N	4	N	4	8	8	—	Fine day.	
19	59	67	50°0	49°0	44°0	53°0	4°5	2°5	255	286	70	82	NE	6	NE	6	8	8	—	Very fine day.	
20	29°79	29°94	48°5	48°5	43°0	56°0	4°5	2°5	238	279	70	82	NE	5	NE	6	6	4	—	Very fine day.	
21	30°02	30°07	51°5	53°0	39°5	58°5	5°0	3°5	260	323	69	77	N	6	S	2	2	4	—	Very fine day.	
22	09	30°08	57°0	55°2	40°0	63°0	5°0	5°2	328	299	70	69	SW	2	SE	2	4	10	—	Very fine day.	
23	30°06	29°98	61°0	52°0	50°0	66°0	7°0	3°0	334	309	62	80	S	2	SE	3	2	6	—	Very fine day.	
24	29°94	29°92	57°0	56°0	49°0	61°0	3°0	3°2	377	358	81	80	SE	3	SE	4	6	8	01	Dull at times.	
25	29°94	30°01	62°0	57°0	53°0	62°5	3°0	3°0	456	377	82	81	SE	3	SW	3	6	8	02	Fine day.	
26	30°01	30°01	60°8	60°0	50°0	63°2	2°3	3°0	457	456	85	82	SW	3	SW	3	10	8	02	Warm, dull day.	
27	30°01	29°96	61°0	66°0	54°0	72°0	2°5	4°0	456	496	84	78	SW	2	SW	3	10	8	04	Dull day.	
28	29°93	29°93	64°0	66°0	56°0	74°0	2°0	4°0	524	496	88	78	W	2	S	2	6	4	—	Very fine day.	
29	29°97	30°06	60°8	58°0	53°0	66°0	4°3	5°0	399	342	75	71	S	4	W	4	2	8	—	Very fine day.	
30	30°12	30°11	60°0	59°5	48°0	67°0	4°5	3°0	382	415	73	82	W	4	SW	3	4	10	02	Very fine day.	
Mean	29°943	29°954	54°2	53°2	46°3	59°4	3°1	2°7	342	338	80°1	82°5	3°5	3°8	7°0	7°1	1°64				

## CRONKBORNE.—JUNE 1903.

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. at Station Level.		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 Pressure.		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°76	29°85	55°4	50°2	47°8	62°0	3°9	0°7	334	346	76	96	NW	5	NNW	4-5	7	8	—	Fine and sunny.
2	29°77	30°07	56°7	50°0	46°0	58°8	5°2	1°0	320	334	69	93	N	5	NNW	3	1	2	—	Fine and sunny.
3	30°24	28	53°6	51°6	42°0	62°7	3°9	2°8	308	311	75	81	E	3	NW	2	2	0	—	Very fine and sunny.
4	32	28	60°2	56°2	47°5	70°0	3°5	1°4	413	410	79	91	W	2	NNW	4	2	7	—	Very fine and sunny.
5	26	28	58°3	56°0	47°2	70°2	1°9	1°8	429	397	87	88	NW	5	NNW	2	6	3	—	Fine and sunny.
6	30	23	59°0	53°8	45°7	64°3	3°2	1°2	402	380	81	91	SE	2	NNW	1	2	0	—	Very fine and sunny.
7	24	17	56°4	55°0	49°3	62°0	3°1	1°6	367	386	81	89	ESE	2	ENE	1	4	3	—	Very fine and sunny.
8	30°18	30°08	58°2	54°3	49°5	65°0	3°9	2°4	372	354	77	83	E	3	ENE	2	3	3	—	Very fine and sunny.
9	29°72	29°82	56°4	56°4	51°0	64°5	4°1	1°9	343	400	75	88	NE	4	NE	4	8	10	—	Cloudy a. Fine p.
10	73	75	64°3	56°0	52°3	67°2	4°8	1°9	442	394	74	88	NE	3	NNE	4	4	8	—	Fine and sunny.
11	80	89	51°0	49°4	49°4	58°3	2°2	2°4	320	293	85	84	NNE	5-6	NNE	3-4	10	4	—	Fine and sunny, with  .
12	96	93	50°0	50°0	42°0	58°8	3°0	1°3	289	327	80	91	ESE	2	NNW	3-4	10	10	—	Cloudy a. Fine p.
13	84	89	53°4	41°3	41°3	56°6	3°9	1°3	307	232	75	90	NNW	4	NNW	1	6	3	008	Cloudy a. Sunny p.  4p.
14	90	89	49°8	49°2	40°3	52°0	3°8	1°9	267	303	75	87	NE	5	NE	3	4	8	005	Dull from 10a.
15	78	67	51°6	52°7	47°0	61°0	2°2	2°7	325	326	85	82	NE	4	NE	3	9	9	135	Dull day.  showers from 8p.
16	60	64	49°8	50°3	48°1	57°8	1°6	2°2	317	309	88	85	NNE	5	NE	4-5	10	10	011	 showers a. Fine p.
17	61	61	53°4	47°8	45°7	56°6	4°1	1°8	302	288	74	87	NNE	3	NE	2	10	10	002	Dull day.
18	60	59	47°8	49°0	46°2	56°5	3°5	3°8	252	259	76	74	ENE	3	NNE	3	10	10	—	Fine day.
19	60	68	52°6	52°0	45°5	57°8	5°5	4°2	252	283	67	73	ENE	2	N	4	10	10	—	Fine day. Slight earthquake 10a.
20	29°85	29°95	54°8	43°6	43°5	60°0	6°8	1°6	240	248	60	87	ENE	3	N	1	3	3	—	Very fine and sunny.
21	30°01	30°06	61°4	44°2	36°0	63°7	8°4	3°2	307	222	56	76	NNW	1	N	1	2	2	—	Very fine and sunny.  p.
22	30°06	30°01	57°2	54°2	38°6	60°7	3°9	1°3	357	383	76	91	SSE	2	SE	2	3	10	020	Fine a. Dull p.
23	29°96	29°86	59°2	58°0	51°8	62°5	7°2	3°5	306	380	60	79	SE	2	SSE	2-4	4	10	010	Cloudy day.
24	75	83	56°4	54°6	53°2	61°3	2°4	0°8	385	404	85	95	SE	3	E	1	10	10	011	Dull day.  from 7p.
25	92	93	55°0	53°8	52°0	60°7	1°0	0°6	403	397	93	95	SSW	1	ESE	2	10	10	894	Dull day.  from 7p.
26	87	87	54°3	55°7	53°0	57°0	0°0	0°4	423	432	100	97	SSE	3	SSW	4-5	10	10	798	Overcast, with  .
27	89	82	55°4	56°2	53°8	60°2	0°2	0°9	433	425	98	94	SSW	1	S	3	10	10	795	 (mist) a.  showers.  2 p.
28	83	29°92	60°8	55°8	53°4	67°8	1°3	2°1	490	387	92	86	SSW	3	SSW	2	8	3	—	Fine and sunny.
29	29°98	30°08	58°6	53°4	50°7	62°0	4°6	0°6	359	391	73	96	WSW	5	SW	3	4	003	Fine, with  .	
30	30°11	30°08	58°3	55°0	49°0	62°1	2°0	0°2	426	427	87	99	WSW	4-5	SW	3	9	10	019	Dull day.
Mean	29°928	29°933	55°6	52°2	47°3	61°3	3°5	1°8	350	348	78°6	87°9	3°2		2°7	6°1	6°7	2°731		



## HILLINGTON.—JUNE 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Pressure.		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.	62.0	52.0	48.0	78.8	4.3	1.1	41.8	35.8	75	92	NE	1	NE	2	0	10	ins.	
2	29.73	29.80	62.0	52.0	47.0	61.6	5.2	2.2	28.5	27.1	68	84	NE	4	NE	3	4	7	—	Fine, sunny, and hot.
3	29.74	29.81	62.0	54.0	50.1	61.6	5.2	2.2	28.5	27.1	68	84	NE	4	NE	3	4	7	—	Very fine and sunny.
4	30.22	.22	49.1	45.1	44.8	64.4	2.9	0.8	277	28.1	80	94	NE	3	Calm	0	4	0	—	Dull a. Fine p.
5	.34	.26	55.2	50.1	41.6	65.3	4.5	1.8	316	.316	72	88	NE	2	NE	1	0	0	—	Very fine and sunny.
6	.27	.34	53.0	52.8	43.6	62.8	2.1	1.1	345	.369	85	92	NE	1	NE	1	5	8	.05	Dull a. Sunny later.
7	.34	.28	49.1	47.1	47.0	58.0	2.2	1.6	.294	.285	85	88	NE	2	NE	1	10	10	—	Dull a. Sunny p.
8	.23	30.18	54.0	49.0	47.1	55.6	1.1	1.1	.385	.319	92	92	NE	3	NE	3	8	10	—	Cold and cloudy.
9	30.18	29.94	58.1	55.7	48.5	61.9	4.4	1.2	.357	.409	74	92	E	4	NE	5	4	10	—	Beautiful day.
10	29.76	.76	57.0	54.1	51.7	61.6	0.9	1.3	.437	.381	93	91	NE	5	NE	2	8	10	—	Fine and sunny.
11	.68	.69	63.6	54.8	50.2	69.5	4.1	1.1	.451	.397	76	92	NE	2	NE	3	9	10	—	Fine and sunny.
12	.78	.87	53.1	48.1	47.8	55.3	2.3	2.5	.342	.275	84	82	NE	3	NE	2	10	10	—	Cold and dreary.
13	.95	.95	49.9	39.9	39.9	55.3	1.5	1.2	.321	.221	89	90	NE	2	Calm	0	10	10	—	Dull and cold. Finer p.
14	.87	.81	54.0	48.1	32.1	60.3	4.5	0.3	.301	.329	71	98	E	1	Calm	0	10	10	.65	2 p.
15	.61	.76	50.0	50.1	45.2	53.7	3.3	0.9	.279	.338	77	93	ENE	4	NE	5	10	10	.12	ga.—ra. Dull day. K 10p.
16	.46	.53	52.1	49.1	54.4	1.6	0.3	.364	.381	89	98	E	4	E	2	10	10	.41	.2 all afternoon.	
17	.56	.60	55.0	50.3	43.8	60.4	4.0	0.3	.325	.357	75	98	SE	2	ENE	1	9	10	.50	Sunny day. K 9p. and 10p.
18	.57	.60	50.3	46.9	43.9	54.7	1.5	0.6	.325	.283	89	88	NW	1	NW	1	10	10	.54	early and all afternoon. 2 6p.
19	.55	.59	51.9	47.5	40.5	52.8	4.3	1.8	.279	.285	72	87	SE	4	NE	2	10	10	.23	Cold, gloomy, and dreary.
20	29.75	29.91	50.0	48.0	45.9	53.4	3.5	2.3	.275	.279	76	83	NE	4	NE	2	10	10	.01	Cold and gloomy. 2 from 2p.
21	30.05	30.11	52.0	45.1	40.0	60.4	4.5	0.5	.276	.288	71	96	NE	1	Calm	0	9	2	—	Very dull. 2 2p.
22	.13	.14	58.8	54.7	38.9	70.5	6.0	3.1	.329	.343	66	80	Calm	0	S	1	0	10	—	Very fine.
23	30.13	30.01	61.0	53.7	41.2	68.4	6.1	4.0	.356	.308	66	75	S	2	SE	2	6	10	—	Very fine and warm.
24	29.92	29.96	60.8	56.6	51.0	67.6	6.0	2.9	.356	.375	66	82	SE	3	SE	1	10	10	—	Very fine.
25	29.96	30.02	66.1	61.9	51.1	74.5	5.5	3.3	.451	.444	70	80	Calm	0	Calm	0	6	10	—	Overcast, then sunny intervals.
26	30.07	30.09	65.3	62.0	55.9	76.0	5.9	1.5	.427	.503	68	90	SW	1	Calm	0	5	10	—	Fine, sunny, and warm.
27	30.04	29.99	72.1	69.8	55.5	82.3	7.5	6.2	.498	.496	62	68	SW	1	SW	1	7	10	—	D. Fine and warm. Much cir.
28	29.90	29.99	76.3	64.0	59.8	82.8	7.6	2.0	.582	.524	64	88	SW	2	WSW	2	8	6	—	early. Cloudy and hot.
29	30.09	30.15	66.5	58.9	56.1	71.9	7.5	4.6	.401	.364	62	73	SW	2	W	1	0	10	—	early. Very fine and hot.
30	30.19	30.20	64.3	58.3	47.0	72.4	7.6	1.6	.395	.437	60	89	W	2	Calm	0	1	10	—	Very fine, sunny, and breezy.
Mean	29.938	29.944	57.3	52.3	46.7	64.0	4.1	1.8	.359	.350	75.6	87.9	2.2		1.5	6.8	8.8	2.51		D. Beautiful day.

## CHURCHSTOKE.—JUNE 1903.

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	29°30	29°39	58°8	48°7	47°7	64°9	2°8	1°7	°410	°301	83	88	NW 2	NW 1	8	1	—	Bright, with cool breeze. Bright and hot.
2	°50	°64	57°4	50°2	46°9	62°9	3°8	1°6	°362	°298	77	82	NNW 2	NW 1	8	10	—	
3	°75	°83	51°9	44°6	41°3	59°9	4°9	1°9	°267	°352	69	85	NE 2	NNE 1	8	0	—	
4	°88	°84	58°0	49°7	39°7	71°1	6°4	2°5	°308	°294	65	82	NNE 2	N 1	0	0	—	
5	°78	°82	62°8	54°1	39°7	71°0	6°0	2°3	°384	°355	67	84	N 2	N 1	3	8	—	
6	°82	°78	58°8	48°2	48°0	64°1	5°0	1°5	°352	°301	71	88	E 1	E 2	2	6	—	
7	°78	°70	51°0	53°7	41°8	56°3	3°2	1°9	°294	°360	78	87	NE 2	NE 2	10	1	—	
8	°67	°53	58°7	52°7	47°8	63°8	7°5	1°9	°294	°346	59	87	NE 3	E 1	6	10	—	
9	°34	°29	57°3	53°7	46°2	59°6	4°5	1°9	°344	°360	73	87	NE 3	NE 2	10	10	—	
10	°24	°25	53°6	55°7	51°9	62°0	0°8	0°9	°388	°416	94	93	NE 1	NE 1	10	10	—	
11	°33	°44	51°7	50°6	50°6	57°1	1°1	2°8	°355	°298	92	80	NE 2	NE 2	10	10	—	
12	°51	°48	51°7	44°6	42°0	62°0	5°4	0°9	°255	°274	66	93	E 2	E 1	5	0	—	
13	°40	°41	47°3	44°6	40°7	54°5	0°8	1°9	°306	°252	94	85	NE 1	NE 2	10	10	—	
14	°37	°33	41°6	45°0	36°8	47°9	0°9	0°4	°243	°289	93	97	N 2	ENE 1	10	10	—	
15	°24	°14	45°4	49°3	42°9	53°3	1°7	1°5	°264	°313	87	89	NE 2	N 2	10	10	—	
16	°07	°18	49°5	40°4	40°0	60°6	0°7	0°7	°335	°236	95	94	NE 2	E 1	10	0	—	
17	°16	°17	58°3	48°9	37°8	61°1	4°5	1°2	°337	°316	73	91	N 1	N 1	8	6	—	
18	°13	°21	49°9	47°7	44°8	56°5	3°2	2°5	°280	°271	78	81	NE 2	NE 2	10	10	—	
19	°08	°22	47°9	45°1	43°8	54°1	5°2	3°4	°220	°226	66	76	NE 3	NE 2	10	10	—	
20	°36	°49	49°7	46°9	35°8	54°5	4°0	2°2	°262	°270	73	84	N 2	N 1	8	10	—	
21	°59	°64	54°7	47°7	33°1	62°9	8°5	2°5	°229	°291	58	81	NE 2	E 1	0	8	—	
22	°65	°63	59°8	47°7	38°8	65°9	8°2	2°8	°293	°265	57	80	ESE 3	NW 1	2	2	—	
23	°56	°45	58°8	55°2	40°8	65°0	6°0	4°2	°329	°313	66	74	ESE 3	SE 1	6	10	—	
24	°38	°44	62°8	55°7	51°8	65°1	6°0	0°9	°384	°416	67	93	SE 2	SW 1	8	10	—	
25	°52	°54	57°8	55°7	51°3	66°1	4°8	0°9	°344	°416	72	93	SW 2	SE 1	8	10	—	
26	°53	°53	57°6	60°3	53°3	71°2	2°8	5°5	°399	°361	83	68	S 1	S 2	10	8	—	
27	°48	°43	64°8	65°0	56°7	78°8	4°8	5°1	°449	°444	73	72	SSE 2	SSW 1	8	10	—	
28	°51	°57	63°8	55°7	55°6	72°9	4°3	1°9	°447	°388	75	87	W 3	W 1	10	3	—	
29	°64	°71	58°8	55°7	50°8	66°1	6°0	2°4	°329	°334	66	83	WSW 3	W 2	8	2	—	
30	29°75	29°73	62°8	56°3	47°0	69°4	6°8	2°5	°361	°381	63	84	W 3	W 1	6	10	—	
Mean	29°476	29°493	55°4	50°9	44°8	62°8	4°4	2°2	°328	°321	74°3	84°9	2°1	1°3	7°8	7°0	1°805	

NOTE:—The observations at Churchstoke were discontinued after June 1903.

## CAMBRIDGE.—JUNE 1903.

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. at Station Level.		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 Pressure.		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	29.74	29.78	57.0	57.5	47.2	81.2	1.8	3.5	.411	.372	88	78	N	2	N	3	10	Fine and sunny. Distant T.
3	29.96	30.10	58.2	46.2	45.4	62.6	5.0	2.2	.345	.263	71	85	NNE	5	N	1	10	Fine and sunny.
4	30.21	30	50.0	45.6	41.6	56.8	3.5	2.4	.276	.252	77	82	N	2	N	4	10	
5	34	32	57.1	54.8	38.7	68.4	5.9	2.8	.308	.351	66	82	N	5	N	1	1	Clear and sunny all day.
6	26	30	64.6	56.9	44.6	69.8	6.2	2.8	.407	.381	67	83	N	2	E	1	10	Fine and sunny.
7	34	29	54.0	48.7	46.7	62.0	5.0	3.0	.288	.272	69	80	N	5	NE	3	10	Fine and sunny.
8	26	30.19	54.1	51.9	46.3	58.0	3.1	1.9	.333	.336	79	87	NE	1	NE	3	10	Dull day.
9	30.14	29.95	61.8	55.1	47.1	66.2	10.1	3.4	.277	.341	51	78	NE	5	N	4	0	Fine and sunny, with .
10	29.77	77	55.6	58.0	52.6	66.9	1.9	2.0	.389	.421	87	87	E	4	E	1	10	Gloomy day. . n.
11	70	69	58.6	49.0	53.1	72.6	1.3	2.0	.451	.436	92	88	N	1	N	2	10	Gloomy day. Distant T.
12	78	29.91	55.7	47.5	46.4	60.2	2.1	2.2	.385	.276	87	84	N	3	N	2	10	Overcast all day.
13	98	30.00	50.3	45.1	42.1	55.0	4.6	1.8	.256	.259	70	86	N	3	N	1	10	Overcast all day.
14	89	29.83	56.0	48.1	36.8	58.8	4.1	0.7	.338	.318	75	95	SW	2	N	1	10	.86
15	79	74	51.0	50.4	44.8	53.2	0.9	0.8	.351	.346	94	94	E	1	NE	4	10	.677
16	60	47	58.2	51.8	48.7	56.8	1.4	0.3	.405	.378	91	98	NE	2	N	1	10	.625
17	55	61	55.8	48.5	42.3	63.3	1.5	0.6	.402	.326	90	95	E	2	E	1	10	1.062
18	63	63	56.1	45.6	44.2	62.1	3.2	2.0	.362	.286	79	94	WNW	2	WNW	3	10	.320
19	63	63	55.7	48.7	41.2	59.6	4.3	2.0	.329	.296	73	86	N	2	NNE	2	7	Fine, but cloudy.
20	53	59	55.5	46.8	39.7	53.1	4.4	0.6	.284	.303	72	94	NE	5	N	5	10	.475
21	29.75	29.94	50.6	48.0	40.8	55.1	2.5	2.4	.306	.276	83	83	N	4	N	4	10	
22	30.09	30.15	52.6	49.8	38.2	62.7	4.1	2.8	.296	.288	74	81	N	4	Calm	0	10	Fine and sunny.
23	18	18	61.2	51.3	39.2	70.0	6.6	2.6	.346	.313	64	82	E	1	Calm	0	1	Fine and sunny.
24	30.13	30.02	61.1	55.8	40.6	70.8	3.8	3.1	.418	.360	78	80	SE	1	ESE	3	6	Fine and sunny.
25	29.93	29.96	63.4	59.2	51.5	70.9	4.5	3.4	.436	.400	75	80	ESE	2	Calm	0	10	Overcast all day.
26	29.99	30.04	67.3	62.4	49.2	74.8	5.2	3.2	.457	.457	72	81	SW	1	Calm	0	3	Fine and sunny.
27	30.11	30.10	70.6	63.0	54.8	77.3	7.4	3.3	.474	.465	64	81	SW	2	SSW	2	4	
28	30.05	29.99	74.8	69.2	55.4	83.4	6.8	4.4	.578	.540	67	77	SSW	2	Calm	0	7	Fine and sunny.
29	29.92	30.02	76.2	68.3	57.9	82.8	7.2	5.1	.594	.499	66	72	SSW	3	Calm	0	6	Fine and sunny.
30	30.12	16	66.8	60.0	56.2	73.1	7.9	5.1	.397	.367	61	71	W	1	WNW	1	0	Fine and sunny.
30	30.24	30.23	66.9	61.7	49.7	73.2	8.2	3.6	.391	.434	59	71	W	1	Calm	0	8	Fine and sunny.
Mean	29.953	29.963	59.0	53.8	46.1	66.0	4.5	2.5	.377	.334	74.7	84.1	2.5		1.8	4.0	6.6	4.133



## SOUTHAMPTON.—JUNE 1903.

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. at Station Level.		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 Pressure.		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°	65°	57°	88°	75°	47°	518	456	64	75	NE	3	N	3	0	1	ins.	Delightfully fine and warm.
2	29°72	29°76	73°	65°	57°	88°	75°	47°	518	456	64	75	NE	3	N	3	0	1	—	Cloudy a.
3	29°90	30°07	57°	53°	53°	66°	3°8	4°5	368	290	77	72	NE	4	NE	3	10	0	—	Cloudy a. Bright p.
4	30°20	29°27	51°	49°	43°	57°	5°2	4°3	251	258	67	72	NE	4°5	NE	4	10	1	—	Beautiful day.
5	32	30	59°	60°	54°	70°	1°8	4°6	455	386	89	74	NE	4°5	NE	3	1	0	—	Cloudy a. Beautiful p.
6	27	26	69°	58°	51°	74°	8°0	2°6	429	444	60	84	NE	3	NE	3	0	0	—	Beautiful a. Cloudy p.
7	31	24	57°	55°	53°	66°	3°8	3°9	368	327	77	76	NE	4°5	NE	3	10	0	—	Cloudy a. Beautiful p.
8	23	30°12	59°	56°	43°	66°	6°0	2°9	328	370	65	82	NE	4°5	NE	4°5	5	10	—	Beautiful a. Cloudy p.
9	30°07	29°88	62°	56°	48°	68°	7°9	4°7	338	328	59	71	NE	4°5	NE	4°5	1	8	065	Fine and sunny.
10	29°70	29°71	56°	53°	50°	65°	2°4	3°6	384	402	84	79	NE	4	SE	4°5	10	8	—	Sunny intervals.
11	72	72	62°	54°	51°	67°	4°1	0°9	438	393	76	93	E	3	SW	3	8	10	350	5 p. - 9 p.
12	77	29°89	54°	53°	53°	62°	1°2	1°8	387	362	92	88	SW	3	NE	3°5	10	10	205	● till noon.
13	98	30°02	55°	50°	47°	60°	4°3	2°1	322	307	74	85	NE	4	NE	4	10	5	—	Bright intervals.
14	91	29°81	58°	49°	45°	60°	3°9	0°7	380	337	76	95	SW	3	NE	3	10	10	850	● noon - 4 p. and 6 p. - 8 p.
15	74	67	45°	49°	45°	52°	0°4	0°5	300	341	98	96	N	4	NE	3	10	10	260	● till noon and 6 p.
16	61	56	51°	49°	47°	55°	1°9	0°5	333	339	87	97	NE	3°5	SW	3	10	10	850	● most of day.
17	51	62	51°	49°	48°	56°	0°3	0°6	366	340	98	96	SE	3	W	3	10	10	510	● till noon. ☼ ☼ ☼ 5 p.
18	69	65	60°	54°	43°	65°	9°	1°7	385	369	73	88	W	3	SW	3	2	1	—	☼ ☼ ☼ n. Beautiful day.
19	62	53	53°	56°	47°	62°	3°7	2°9	315	368	76	82	NE	4	NE	3	10	10	190	Bright intervals.
20	44	52	47°	47°	46°	57°	0°	0°7	306	313	95	95	NE	4	NE	5	10	10	750	● most of day.
21	29°71	29°95	51°	49°	46°	56°	2°	2°8	312	288	80	81	NE	5	NE	3	10	3	—	Fair, but cloudy.
22	30°10	30°17	58°	52°	42°	61°	7°	2°	281	335	58	84	NE	3°	SW	3	7	0	—	Fine and sunny.
23	20	30°17	60°	53°	40°	64°	6°	4°	333	298	63	73	SW	3°5	SE	3°5	0	0	—	Beautiful day.
24	30°11	29°96	60°	59°	46°	65°	6°	5°	345	304	64	71	SE	4°5	SE	4°5	5	10	—	Beautiful day.
25	29°97	29°97	59°	57°	58°	68°	2°	3°	402	415	79	86	SE	1	SW	0°5	10	1	—	Beautiful day.
26	30°06	30°11	61°	57°	53°	70°	4°	2°	409	411	75	86	W	2	SW	0°5	10	8	—	Beautiful day.
27	12	30°13	65°	61°	55°	74°	4°	3°	463	436	75	80	SE	2	SE	2	9	7	—	☼ a. and p. Beautiful day.
28	30°04	29°98	75°	67°	56°	82°	7°	3°	573	532	66	78	SE	2	SE	1	3	1	—	☼ a. and p. Beautiful day.
29	29°98	30°08	78°	66°	61°	80°	9°	3°	555	509	58	78	SW	2	NW	3	3	2	—	☼ a. and p. Beautiful day.
30	30°19	30°22	66°	60°	54°	75°	7°	5°	420	348	63	67	NW	3	NW	4	5	5	—	Beautiful day.
31	30°29	30°28	68°	63°	54°	74°	7°	4°	446	377	77	77	NW	3	NW	3	5	7	—	Beautiful day.
Mean	29°946	29°954	59°8	56°0	49°5	66°4	4°7	2°9	384	370	74°4	82°0	3°4	3°1	6°8	5°1	4°030			

## PLYMOUTH.—JUNE 1903.

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

1	29°68	29°72	67°3	60°0	51°9	72°4	4°5	5°1	505	367	75	71	N	4	NNE	5	0	3	—	Beautifully fine and sunny.
2	29°86	30°03	60°7	56°1	51°9	66°9	5°4	2°6	369	377	70	83	NNE	4	N	3	8	9	—	Fine day.
3	30°15	29	56°1	55°0	48°9	60°7	7°4	6°8	267	264	59	61	E	3	NE	2	1	0	—	Fine and sunny.
4	28	28	59°4	56°7	49°8	70°0	10°5	5°7	244	308	48	66	NE	5	Calm	0	0	0	—	Beautifully fine and sunny.
5	22	17	66°9	62°8	53°0	70°5	7°1	4°2	420	434	63	76	N	2	Calm	0	0	8	—	Fine and sunny. < p.
6	22	18	61°3	55°0	54°9	65°1	5°4	2°2	378	370	70	86	E	6	E	2	3	2	—	Fine and sunny.
7	16	30°05	51°3	57°8	49°9	64°6	4°4	3°8	271	369	72	77	E	6	ENE	5	7	10	—	Fine and sunny.
8	30°00	29°90	57°7	59°2	51°1	67°1	6°5	8°0	303	289	63	57	ENE	6	NE	4	3	8	—	Fine and sunny.
9	29°65	29°65	55°3	51°6	51°0	63°4	3°2	2°1	349	328	80	86	NE	6	NE	1	10	10	—	showers a. K <sup>2</sup> p.
10	67	68	57°0	53°4	49°8	60°8	3°6	2°2	361	347	77	85	S	2	Calm	0	4	7	—	Fine and sunny.
11	70	81	58°1	55°7	47°5	60°9	4°2	3°9	364	338	75	76	Calm	0	Calm	0	7	4	—	Fine, with sunny intervals.
12	92	98	54°0	53°4	50°2	62°1	4°5	2°2	299	347	72	85	E	2	Calm	0	10	0	—	Fine day.
13	83	85	55°7	50°1	49°0	58°7	0°7	3°3	281	321	95	78	WSW	3	N	4	10	2	—	Fine and sunny.
14	80	68	53°1	48°0	45°0	56°9	7°4	1°2	232	284	58	92	N	5	N	4	5	10	—	Fine till evening, then steady.
15	59	58	51°0	53°7	47°0	54°9	1°1	2°3	346	349	92	85	N	3	N	3	10	10	—	Frequent showers.
16	55	64	54°4	51°8	50°9	54°9	3°3	1°8	333	338	79	87	NW	4	NW	2	10	10	—	nearly all day.
17	66	63	57°0	54°4	49°8	59°9	4°3	2°4	344	356	74	84	N	2	WSW	1	9	10	—	Fine and sunny.
18	50	44	55°3	56°2	49°9	60°0	3°4	4°2	345	337	78	74	E	4	E	3	10	10	—	Fine, but overcast.
19	39	52	47°5	48°2	47°0	56°4	1°5	1°8	291	293	89	88	NE	4	NE	5	10	10	—	Steady all day.
20	29°72	29°92	50°8	52°8	46°4	57°7	3°8	1°6	278	355	75	88	NE	6	E	1	10	8	—	Fine, but overcast.
21	30°04	30°12	56°3	51°0	47°6	58°2	2°9	3°1	300	297	66	79	ESE	2	Calm	0	4	0	—	Fine and sunny.
22	30°10	30°08	56°8	51°7	47°8	59°2	5°7	2°2	309	327	67	86	SE	5	ESE	2	6	0	—	Fine and sunny.
23	29°96	29°87	58°8	55°8	48°7	59°9	5°6	2°6	337	373	68	83	SSE	6	SE	4	7	10	—	Fine day.
24	82	29°93	56°6	56°4	48°7	61°9	1°1	1°1	420	422	91	93	SSE	3	Calm	0	10	7	—	nearly all day.
25	29°99	30°02	60°2	56°7	53°0	61°9	3°1	3°2	418	424	80	93	SSW	2	S	4	8	7	—	Overcast. showers p.
26	30°02	30°04	61°0	60°0	55°6	66°9	3°3	5°6	430	354	81	68	SSE	5	SSE	2	7	9	—	Fine and sunny.
27	29°95	29°91	66°7	64°3	52°8	68°4	4°9	5°5	482	421	73	70	Calm	0	SSE	1	4	3	—	Fine and sunny.
28	29°96	30°09	61°2	58°6	55°9	71°5	1°2	2°6	500	413	93	84	WSW	1	NW	2	10	1	—	Fine and sunny.
29	30°17	30°22	63°0	57°0	53°4	67°8	4°0	2°9	443	380	77	82	SW	2	NW	2	3	7	—	Fine and sunny.
30	30°26	30°26	60°5	59°3	48°8	67°8	3°3	4°3	422	377	80	74	SW	1	NW	1	6	2	—	Fine and sunny.
Mean	29°894	29°915	57°7	55°4	50°0	62°9	4°4	3°3	359	351	74°7	79°9	3°5	2°1	6°4	5°9	3°28			

## ARMAGH.—JUNE 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep. of Wet.		Vapour Pressure.		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.	%	%						ins.			
1	29°74	29°85	51°8	47°8	43°0	57°0	3°0	2°4	309	274	80	83	SW	1	N	1	10	8	—	ins.
2	29°97	30°09	51°6	43°8	40°1	58°3	5°0	5°8	263	174	70	60	N	1	N	1	9	0	—	—
3	30°19	29°25	54°4	51°3	37°2	64°7	4°0	6°2	317	235	74	63	NE	1	NE	1	7	0	—	Fine and sunny.
4	29	27	57°4	55°1	43°3	70°5	2°8	2°8	390	356	83	82	NE	0°5	NE	0°5	10	8	—	Fine and sunny.
5	24	24	58°0	52°6	49°0	66°3	3°4	1°0	383	369	79	93	N	0°5	NE	1	10	0	—	Fine and sunny.
6	25	17	53°4	51°1	48°7	66°0	1°8	4°4	358	269	88	72	NE	0°5	NE	0°5	10	0	—	Fine and sunny.
7	16	11	62°3	56°6	46°0	67°0	3°3	4°8	452	327	80	71	E	1	ENE	0°5	0	0	—	Fine and sunny.
8	30°10	30°02	53°3	54°6	49°7	66°9	1°8	6°2	359	271	88	64	ENE	1	E	1	10	0	—	Fine and sunny.
9	29°90	29°78	61°8	53°8	44°0	64°8	8°7	6°8	305	250	55	60	NE	2	NE	1	5	4	—	Fine and sunny.
10	71	68	57°8	57°6	48°4	67°2	4°2	4°0	360	362	76	77	NE	1	ENE	1	10	2	—	—
11	77	83	56°0	52°8	49°8	62°8	3°4	4°2	355	293	79	74	NE	1	ESE	2	10	0	—	—
12	89	88	54°3	47°6	47°6	64°0	5°0	4°2	293	236	70	71	SE	0°5	N	0°5	9	10	—	°006
13	85	91	50°0	43°6	43°6	57°0	5°2	2°0	241	241	67	85	N	2	N	1	9	0	—	°030
14	89	87	50°6	45°0	41°0	57°3	3°3	3°2	287	229	78	77	NE	2	NNE	1	8	2	—	—
15	77	65	53°4	53°1	43°0	61°8	5°6	5°0	269	278	66	69	NNE	1	N	1	10	9	—	°008
16	59	61	52°3	50°3	48°7	54°8	4°7	2°0	276	314	70	86	NE	2	NE	0°5	10	10	—	Overcast all day.
17	56	55	53°3	51°0	44°7	57°0	3°7	2°4	310	313	76	84	NE	0°5	NNE	0°5	10	10	—	Overcast all day.
18	51	54	51°3	46°6	46°6	52°0	3°5	2°6	291	258	77	82	ESE	1	NE	1	10	9	—	Overcast all day.
19	54	66	53°0	46°4	37°0	57°1	6°0	4°2	257	225	64	72	NNE	1	N	1	9	7	—	—
20	79	91	55°0	47°3	37°7	62°8	6°4	5°0	272	218	63	67	NNE	0°5	S	1	1	3	—	Fine and sunny.
21	94	94	55°6	51°6	45°0	62°0	4°5	10°6	322	167	73	44	SSW	1	SSE	2	10	2	—	—
22	90	86	57°6	51°6	45°0	58°0	6°0	1°0	313	356	66	93	SSE	3	S	3	10	10	—	°595
23	81	74	54°6	53°3	51°2	62°0	2°3	4°5	361	292	85	71	SSE	3	SE	2	10	10	—	Overcast day.
24	66	73	58°2	54°0	50°7	63°3	4°6	1°0	355	388	73	93	SE	3	S	0°5	10	8	—	°112
25	79	77	60°1	54°6	48°0	65°0	3°1	1°4	422	386	81	90	SSW	2	SE	3	8	10	—	°043
26	65	65	58°1	59°6	53°0	61°8	0°9	2°0	455	447	93	88	SSE	2	S	3	10	10	—	°075
27	75	62	59°6	58°8	52°5	61°0	2°0	1°5	447	448	88	91	SSE	1	S	3	10	10	—	°118
28	71	29°81	63°8	59°0	58°2	70°0	4°4	2°4	445	424	75	86	WSW	2	SSW	1	8	9	—	Fine and sunny.
29	88	30°00	55°0	54°4	51°8	64°8	3°0	3°0	349	340	81	80	WSW	3	SW	2	10	0	—	°097
30	29°98	29°96	58°3	57°6	52°4	64°2	1°7	4°0	435	362	89	77	SW	2	SSW	2	10	10	—	Overcast all day.
Mean	29°859	29°864	55°7	52°1	46°5	62°3	3°9	3°7	342	303	76°2	76°8	1°4		1°3	8°8	5°4	1°084		



## DUBLIN (PHENIX PARK).—JUNE 1903.

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. at Station Level.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
								Dep. of Wet.			Vapour Pressure.							
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	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.	52.6	53.6	49.0	58.4	3.7	1.9	302	358	76	87	WNW 1	N 1	7	6	ins.	Fine, but cloudy.
2	29.81	29.88	52.0	46.4	40.8	57.1	3.3	2.2	303	264	78	84	N 1	Calm	8	2	—	Fine, but cloudy.
3	29.83	29.90	55.8	48.0	35.2	58.8	4.8	1.3	319	302	71	91	NE 1	Calm	2	1	—	Beautiful day.
4	29.84	29.91	55.0	55.1	40.1	68.2	3.8	1.2	385	399	77	91	Calm	Calm	4	7	—	Fine, but cloudy.
5	29.85	29.92	56.1	55.1	47.7	68.6	2.0	2.6	393	361	87	83	Calm	Calm	9	2	—	Cloudy a. Bright p.
6	29.86	29.93	54.5	50.4	46.3	62.7	1.0	0.7	396	349	94	95	Calm	Calm	10	0	—	Bright from 10a.
7	29.87	29.94	53.4	53.4	45.7	61.7	5.8	1.2	346	374	68	91	ESE 1	Calm	0	0	—	Beautiful day.
8	29.88	29.95	54.3	54.1	49.3	61.3	2.5	2.2	352	332	83	84	ENE 1	NE 1	9	3	—	Fine, but cloudy.
9	29.89	29.96	56.0	56.1	47.3	61.8	4.4	3.5	331	354	73	78	NNE 2	NE 1	5	9	0.02	Cloudy day. ☉ showers 6p.-8p.
10	29.90	29.97	57.7	55.6	51.3	60.4	0.3	2.0	376	386	98	87	NE 1	Calm	10	4	0.03	☉ showers 10a.-10a. Cloudy day.
11	29.91	29.98	53.9	47.0	46.3	57.7	1.9	0.5	361	311	87	97	NE 1	Calm	9	2	—	Fine, but cloudy.
12	29.92	29.99	52.4	52.1	38.3	58.7	3.7	2.9	299	314	76	80	Calm	N 1	9	9	—	Fine, but cloudy.
13	29.93	29.99	50.8	46.9	44.9	56.1	4.3	3.6	268	240	72	76	NW 2	N 1	6	3	0.40	☉ showers 10a. Cloudy day.
14	29.94	29.99	50.6	48.7	37.5	53.6	4.0	2.5	272	284	74	82	NE 1	NE 1	6	9	—	Fine, but cloudy.
15	29.95	29.99	51.3	49.6	43.6	59.2	3.4	1.0	294	330	77	93	NE 2	Calm	9	10	0.05	Cloudy day. ☉ shower 6p.
16	29.96	29.99	50.1	50.6	47.9	52.1	2.2	1.3	306	335	84	91	NNE 2	Calm	10	8	0.10	☉ showers 10a. Dull day.
17	29.97	29.99	51.5	50.2	36.0	61.0	1.9	1.2	331	332	87	92	Calm	Calm	10	9	—	Dull a. Cloudy p.
18	29.98	29.99	51.4	47.3	46.6	55.3	2.5	2.0	317	278	83	86	E 1	Calm	9	6	—	Dull a. Fine, but cloudy p.
19	29.99	29.99	49.5	44.5	42.5	56.7	2.3	1.2	297	266	84	90	NE 1	Calm	10	6	—	Dull a. Fine, but cloudy p.
20	29.99	29.99	55.1	43.4	36.7	57.8	5.0	1.0	303	260	70	92	Calm	Calm	3	3	—	Fine and sunny.
21	29.99	29.99	57.7	47.6	36.9	63.7	8.0	2.0	296	282	58	86	Calm	Calm	1	2	—	Fine and sunny.
22	29.97	29.93	56.5	50.8	37.9	58.7	5.1	0.2	319	367	69	98	SSE 1	Calm	8	10	0.800	Cloudy a. ☉ p.
23	29.86	29.79	59.1	55.5	49.5	60.6	5.5	5.3	343	303	69	68	SE 1	SE 1	7	10	0.050	☉ showers till 10a. Cloudy day.
24	29.72	29.78	55.2	53.6	51.3	64.5	1.4	0.4	395	400	91	97	SE 1	Calm	9	7	0.050	☉ showers. 11.4p.-7p.
25	29.85	29.79	59.7	54.3	44.6	63.1	3.2	0.1	414	419	81	99	Calm	SE 1	9	9	0.345	☉ showers a. and p.
26	29.75	29.77	59.6	53.7	63.6	61.2	2.5	2.5	444	426	87	85	SW 1	SW 2	10	4	0.193	☉ showers.
27	29.81	29.72	57.7	62.1	56.2	66.0	0.3	1.4	468	509	98	91	Calm	Calm	10	8	0.125	☉ showers from 4p.
28	29.81	29.90	61.1	59.8	58.0	71.7	3.2	2.3	435	442	81	86	WSW 1	WSW 1	7	5	0.100	☉ showers. 11.4p.-8p.
29	29.99	29.99	58.7	54.9	51.4	64.8	5.2	3.3	347	342	70	79	WSW 2	Calm	6	3	—	Fine and sunny.
30	29.10	29.06	61.7	59.8	47.4	66.7	4.2	3.0	417	420	76	82	SW 2	SW 1	8	7	—	Fine, but cloudy.
Mean	29.910	29.910	55.2	52.1	45.3	61.0	3.4	1.9	348	345	79.3	87.4	0.9	0.4	7.3	5.5	1.828	

## BIRR CASTLE.—JUNE 1903.

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	29.83	29.89	51.7	52.7	41.2	57.2	4.2	2.3	281	331	73	84	NNW 2	NW 2	10	7	—	Overcast and gloomy.
2	29.83	29.89	54.5	55.5	39.7	60.2	6.6	4.1	261	285	62	74	NNW 3	NW 1	7	3	—	Fine and sunny.
3	29.84	29.90	55.7	56.7	37.4	62.2	6.3	3.4	285	359	63	79	NW 1	Calm	1	0	—	Fine and sunny.
4	29.84	29.90	60.4	61.4	42.6	70.1	5.2	2.8	370	449	70	83	Calm	NW 1	0	6	—	Fine and sunny.
5	29.85	29.91	56.2	57.2	50.2	68.0	2.7	2.5	375	433	85	85	NW 1	Calm	6	3	—	Fine and sunny.
6	29.86	29.92	56.5	57.5	47.1	71.2	2.1	3.3	395	421	86	81	Calm	NE 1	10	2	—	Fine and sunny.
7	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
8	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
9	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
10	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
11	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
12	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
13	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
14	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
15	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
16	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
17	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
18	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
19	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
20	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
21	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
22	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
23	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
24	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
25	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
26	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
27	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
28	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
29	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
30	29.87	29.93	57.0	58.0	47.1	71.2	7.2	3.4	397	367	64	79	Calm	E 2	2	3	—	Fine and sunny.
Mean	29.889	29.887	56.8	57.8	45.8	62.7	4.4	3.0	345	348	74.2	81.4	1.9	1.5	6.8	5.6	1.187	

## DEERNESS.—JULY 1903.

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. at Station Level.		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 Pressure.		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.	53.1	55.2	50.4	64.8	0.3	2.2	396	373	98	86	S	3	SW	6	10	4	ins.	☉. Very mild.
2	29.69	29.71	53.1	55.2	50.4	64.8	0.3	2.2	396	373	98	86	S	3	SW	6	10	4	☉. Fine day.	[ (gale).
3	29.72	29.74	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	W	3	E	3	8	10	15	☉. Cloudy day. ☉ from 4p.
4	29.73	29.75	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	S	6	WSW	7	4	10	40	☉. Cloudy day. ☉ from 4p.
5	29.74	29.76	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	WNW	7	WNW	2	1	2	—	☉. Cold day. (gale).
6	29.75	29.77	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	SE	3	NE	8	10	10	1.58	☉. from 11a. ☉. from 3p. (gale).
7	29.76	29.78	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	N	7	N	6	10	4	04	☉. till 10a. (gale). Bitterly cold.
8	29.77	29.79	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	N	6	N	2	9	10	—	☉. Cloudy and very cold.
9	29.78	29.80	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	SSW	2	W	6	10	10	165	☉. 9a. Overcast day. ☉. p.
10	29.79	29.81	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	W	2	W	5	9	9	—	☉. Fine day.
11	29.80	29.82	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	W	6	W	3	5	1	—	☉. Fine day.
12	29.81	29.83	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	WSW	5	W	4	9	1	17	☉. showers a. Dry and cold p.
13	29.82	29.84	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NW	4	NNW	2	6	06	—	☉. showers a. Dry and cold p.
14	29.83	29.85	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NW	4	NNW	4	9	9	—	☉. Fine but cold.
15	29.84	29.86	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NNW	4	Caln	0	4	2	—	☉. Cir. in bands E-W. Very fine p.
16	29.85	29.87	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	E	3	E	2	0	1	—	☉. Very fine day.
17	29.86	29.88	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	ESE	5	E	4	5	10	—	☉. Dry, cold, and breezy.
18	29.87	29.89	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NE	6	NNE	4	9	2	—	☉. Cold and dry.
19	29.88	29.90	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NNE	4	NNE	3	9	2	—	☉. Overcast all day.
20	29.89	29.91	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NNE	3	NE	1	10	10	—	☉. Cloudy day.
21	29.90	29.92	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	N	1	Caln	0	10	8	—	☉. Very fine day.
22	29.91	29.93	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	ESE	4	SE	1	3	10	—	☉. till 4p.
23	29.92	29.94	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	SE	2	W	1	10	0	—	☉. Very fine day. ☉.
24	29.93	29.95	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	ESE	4	SE	1	8	4	—	☉. Cloudy day.
25	29.94	29.96	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	E	2	Caln	0	10	6	—	☉. all day.
26	29.95	29.97	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	E	1	SE	5	10	10	—	☉. all day. ☉. 9a.-6p.
27	29.96	29.98	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	ESE	5	SE	1	10	10	86	☉. till 6a., then fine.
28	29.97	29.99	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NW	3	SSE	2	8	4	—	☉. Overcast day.
29	29.98	30.00	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	ESE	3	ENE	1	10	10	—	☉. all day.
30	29.99	30.01	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NNW	4	NNW	5	10	10	—	☉. Disagreeable day. (gale).
31	30.00	30.02	56.8	57.8	51.1	61.0	3.1	0.3	372	368	80	98	NW	6	NW	7	10	10	—	☉. (gale), cold and damp.
Mean	29.640	29.647	52.0	50.5	47.6	55.9	2.1	1.4	335	334	86.0	90.6	4.0	3.3	7.9	6.8	3.8	95	—	—



## BRAEMAR.—JULY 1903.

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, +0.030 in.

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.			
							Dep. of Wet.		Vapour Pressure.		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.	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	6	SW	6	7	7	ins.	—	
2	28.80	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SE	10	SE	1	7	9	32	Fine a. ☉ showers p.	
3	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	8	SW	6	7	8	12	Fine a. ☉ showers p.	
4	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	6	SW	0.5	8	8	24	Fine a.	
5	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	S	0.5	S	0.5	9	10	46	Dark, with ☉ all day.	
6	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	N	4	N	0.5	10	8	11	☉ a. Fair p.	
7	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	E	2	N	0.5	7	0	05	Fine day.	
8	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	N	0.5	W	2	10	6	—	Fine day.	
9	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	4	SW	1	6	4	—	Fine a.	
10	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	2	NE	0.5	7	8	—	Fine day.	
11	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	0.5	N	0.5	7	8	02	☉ showers.	
12	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	0.5	N	0.5	7	8	02	☉ showers.	
13	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	N	0.5	W	0.5	8	8	—	Fine day.	
14	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	W	1	S	0.5	8	8	—	Cloudy day.	
15	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SE	2	E	1	8	10	44	Dull and damp.	
16	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	E	0.5	NE	0.5	9	10	10	Dark, with ☉ all day.	
17	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	NE	0.5	NE	0.5	9	10	10	—	Fine day.
18	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	NE	0.5	NE	1	5	1	—	Fine day.	
19	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	E	0.5	E	0.5	8	8	—	Fine day.	
20	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	S	0.5	SW	0.5	8	9	—	Fine day.	
21	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	2	SW	0.5	8	1	08	☉ showers. T	
22	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	0.5	SW	0.5	7	7	04	Fine day.	
23	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	SW	0.5	SE	6	2	8	19	Fine day.	
24	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	E	0.5	E	0.5	10	9	86	Fair a. ☉ <sup>2</sup> p.	
25	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	E	0.5	E	0.5	4	7	02	Fair a. ☉ <sup>2</sup> p.	
26	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	E	0.5	E	0.5	8	10	10	Dull and damp all day.	
27	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	NE	0.5	N	1	8	9	02	☉ showers.	
28	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	NW	2	NW	8	8	7	—	Fair, but gusty.	
29	28.84	28.83	57.9	56.4	54.0	59.0	4.6	3.5	35.1	35.8	73	78	NW	2	SW	0.5	8	5	—	Fine day.	
Mean	28.852	28.846	53.9	52.1	45.3	60.1	3.5	2.3	32.7	33.1	78.4	84.7	2.0	1.4	7.5	7.3	3.42				

## LAUDALE.—JULY 1903.

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, +0.031 in.

1	30.02	30.05	59.0	59.3	55.0	62.4	3.0	3.3	40.7	40.3	82	80	W	5	W	5	8	8	0.60	☉ (gale) n. ☉ showers.
2	29.96	29.61	60.0	59.0	51.7	69.5	1.8	1.0	45.9	46.7	89	94	SW	3	W	3	10	10	0.60	Dark day. ☉ from sp.
3	59	67	51.8	53.2	51.0	61.0	0.4	1.2	37.5	37.1	97	92	W	6	W	6	10	10	0.66	☉ <sup>2</sup> showers.
4	87	92	55.0	58.6	50.2	62.0	3.3	1.6	34.2	44.2	79	90	W	2	Calm	0	10	10	0.95	Dull, with ☉ showers.
5	62	29.45	56.2	55.0	49.0	61.0	1.2	1.8	41.6	38.1	92	88	S	6	W	7	10	10	1.20	☉ <sup>2</sup> all day.
6	29.81	30.06	52.0	48.9	47.0	59.0	3.0	2.9	31.0	27.7	80	80	NNW	7	N	3	8	5	—	☉ (gale). Cold and unseasonable.
7	30.12	17	57.7	50.0	43.0	61.0	1.8	1.3	42.3	32.7	88	91	N	2	Calm	0	3	1	—	Fine, but cold.
8	10	14	52.2	56.0	46.8	58.8	0.6	0.7	37.4	42.8	96	95	W	1	W	3	10	10	0.23	☉ <sup>0</sup> (mist).
9	20	18	65.4	58.0	54.8	66.3	3.6	1.7	49.8	43.0	80	89	W	2	W	2	7	8	0.04	☉ <sup>0</sup> (mist).
10	17	12	57.3	56.5	49.0	62.0	1.3	1.5	43.0	41.2	91	90	W	2	NW	3	10	6	0.54	☉ <sup>0</sup> (mist).
11	30.09	30.03	58.9	57.9	48.0	59.9	1.9	2.9	43.7	39.4	88	82	NW	1	NW	2	8	6	0.06	☉ <sup>0</sup> showers.
12	29.90	29.88	54.0	51.0	50.7	58.0	4.0	3.0	31.0	29.9	74	80	NW	2	N	2	7	6	0.02	☉ <sup>0</sup> showers.
13	86	89	56.3	51.0	47.0	60.3	5.1	2.0	31.8	32.3	69	86	NW	2	N	2	5	6	0.04	☉ <sup>0</sup> showers a.
14	85	77	56.0	52.8	42.0	62.2	5.2	2.1	31.3	34.3	69	86	NW	2	S	3	4	10	0.06	Fine a. ☉ n.
15	70	72	57.0	55.3	51.7	62.4	2.0	2.3	40.5	37.2	87	85	SSE	2	SSE	4	6	10	0.05	Fine a. ☉ n.
16	65	51	56.0	55.0	54.0	58.0	1.0	0.3	41.9	42.4	93	86	SE	4	Calm	0	10	10	0.30	☉ most of day.
17	50	61	58.0	54.0	53.8	58.7	2.3	2.0	41.3	36.0	85	86	S	3	S	2	10	10	0.07	Dark day, with ☉ showers.
18	72	79	57.5	54.3	48.0	67.5	5.5	3.6	32.4	32.5	68	77	SE	2	SE	2	2	0	—	Fine and clear.
19	29.82	29.90	60.0	51.0	43.0	65.5	5.0	0.3	36.9	36.6	71	98	N	2	Calm	0	2	0	—	Fine and clear.
20	30.00	30.00	58.8	52.2	44.7	65.8	3.8	2.0	38.3	33.7	77	86	Calm	0	Calm	0	8	0	0.05	☉ <sup>0</sup> (mist) a. Fine day.
21	29.87	29.76	55.6	57.2	48.0	67.2	2.6	2.2	36.9	40.3	83	86	SW	2	SW	1	6	2	0.13	☉ <sup>0</sup> showers a.
22	67	65	60.2	58.0	52.8	65.8	2.2	2.0	45.0	42.1	87	87	W	2	Calm	0	7	8	0.12	☉ <sup>2</sup> showers a.
23	65	66	59.2	50.4	52.8	66.8	2.2	2.4	43.3	38.5	87	85	S	2	Calm	0	6	2	—	T during day. < n.
24	71	80	60.2	54.0	50.2	66.5	2.2	1.8	45.9	36.6	87	87	Calm	0	Calm	0	8	2	0.03	☉ <sup>0</sup> showers.
25	81	66	61.0	59.2	45.2	70.0	2.6	2.2	45.1	43.3	84	87	S	2	S	4	3	10	0.40	☉ at night.
26	69	75	60.0	53.0	45.3	70.0	1.0	1.8	48.5	35.2	94	87	S	1	Calm	0	0	0	—	Fine day.
27	74	64	59.0	55.0	45.0	65.5	3.0	1.2	40.7	39.7	82	92	S	2	Calm	0	7	10	—	Dull day.
28	61	57	60.7	54.0	48.0	63.2	2.7	1.0	44.3	38.8	84	93	Calm	0	Calm	0	5	10	0.08	Dull and calm.
29	51	61	59.3	53.2	47.0	62.8	3.6	2.0	39.6	34.9	75	86	S	2	N	4	6	8	0.08	☉ showers.
30	71	79	54.3	53.3	51.4	58.7	1.6	0.5	37.7	39.3	89	97	N	3	NW	4	7	10	0.05	☉ <sup>0</sup> (mist) ☉ showers.
31	29.86	29.86	55.3	53.5	52.8	57.0	1.5	1.5	39.4	36.7	90	89	N	3	NW	2	10	10	0.04	Dull, cold, and damp.
Mean	29.819	29.813	57.5	54.7	49.0	63.1	2.6	1.8	39.9	37.9	83.9	88.0	2.4	2.1	6.9	6.7	5.84			

## DUNDEE.—JULY 1903.

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, +0.030 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	ins.
2	29.87	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
3	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
4	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
5	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
6	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
7	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
8	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
9	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
10	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
11	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
12	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
13	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
14	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
15	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
16	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
17	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
18	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
19	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
20	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
21	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
22	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
23	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
24	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
25	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
26	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
27	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
28	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
29	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
30	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
31	29.89	29.89	59.4	60.6	53.7	69.2	2.9	3.4	.417	.421	83	80	W	4	W	4	10	7	☉ n. 11.4-4p.
Mean	29.668	29.652	58.2	55.1	49.5	65.6	3.3	2.0	.392	.380	80.7	87.1	2.1	2.1	7.8	8.4	4.47		



## COCKLE PARK (NEAR MORPETH).—JULY 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.26 in.

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep. of Wet.		Vapour Pressure.		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.	63.0	57.0	55.0	67.0	6.0	4.0	in.	in.	%	%	W	7	SW	3	8	1	ins.	Fine, with ☁.
2	29.81	29.81	63.0	57.0	55.0	67.0	6.0	4.0	3.87	3.51	67	75	SE	5	S	3	7	7	0.054	☁ a. Fine day. ☁
3	29.81	29.81	64.0	58.0	54.0	65.0	6.0	4.0	4.03	3.65	67	93	SW	9	SW	6	5	2	—	Fine, with ☁.
4	29.81	29.81	60.0	55.0	51.0	63.0	6.0	4.0	3.44	3.25	66	75	SW	9	SW	6	5	2	—	Fine, with ☁.
5	29.81	29.81	57.0	55.0	52.0	64.0	4.0	3.0	3.51	3.49	75	81	W	8	SW	5	4	6	—	Fine, with ☁.
6	29.81	29.81	57.0	57.0	47.0	60.0	5.0	1.0	3.37	4.34	70	93	S	3	SW	3	10	7	0.165	Dull day.
7	29.81	29.81	57.0	48.0	43.0	58.0	5.0	4.0	3.27	2.43	70	73	NW	7	NW	7	8	8	0.025	Dull, with ☁.
8	29.81	29.81	52.0	47.0	44.0	56.0	6.0	2.0	2.46	2.75	64	86	N	8	N	3	7	2	—	Fine, with ☁.
9	29.81	29.81	56.0	61.0	39.0	66.0	5.0	3.0	3.17	4.39	70	82	NW	4	W	4	10	7	—	Fine day.
10	29.81	29.81	68.0	59.0	56.0	77.0	6.0	1.0	4.70	4.67	68	94	W	5	SE	2	9	7	—	Very fine and sunny.
11	29.81	29.81	68.0	60.0	55.0	76.0	5.0	2.0	5.01	4.53	73	88	W	4	W	6	6	7	—	Fine and sunny.
12	29.81	29.81	56.0	52.0	51.0	61.0	2.0	0.0	3.91	3.88	87	100	E	1	Calm	0	9	10	—	Fine day.
13	29.81	29.81	58.0	51.0	47.0	63.0	7.0	3.0	2.96	2.99	61	80	NW	4	W	3	4	9	—	Fine day.
14	29.81	29.81	52.0	49.0	46.0	59.0	4.0	2.0	2.87	2.98	74	86	N	3	S	3	7	9	0.018	☁ showers.
15	29.81	29.81	57.0	51.0	41.0	59.0	6.0	0.0	3.04	3.74	65	100	NE	1	S	2	7	10	0.608	Fine day. ☁ n.
16	29.81	29.81	53.0	53.0	49.0	56.0	0.0	0.0	4.03	4.03	100	100	SE	2	E	1	10	10	0.305	☁ all day.
17	29.81	29.81	54.0	55.0	52.0	57.0	0.0	0.0	4.18	4.33	100	100	SE	3	SW	1	10	10	0.447	☁ all day.
18	29.81	29.81	52.0	52.0	51.0	63.0	3.0	0.0	4.56	3.88	82	100	NW	3	NW	2	10	10	—	Dull day.
19	29.81	29.81	41.0	49.0	48.0	53.0	2.0	0.0	3.35	3.48	86	100	NW	6	NW	5	10	10	0.142	Dull day. ☁ n.
20	29.81	29.81	51.0	44.0	42.0	55.0	3.0	2.0	2.99	2.44	80	84	N	5	NW	3	10	2	—	Dull day.
21	29.81	29.81	53.0	52.0	40.0	61.0	4.0	1.0	2.99	3.61	74	93	W	3	W	3	8	3	—	Fine day.
22	29.81	29.81	57.0	46.0	67.0	4.0	1.0	3.80	4.34	76	93	W	3	S	3	8	8	0.240	Fine a. ☁ showers p.	
23	29.81	29.81	61.0	59.0	49.0	68.0	2.0	2.0	4.70	3.35	88	86	NW	3	W	3	6	3	0.022	☁ showers a. Fine p.
24	29.81	29.81	61.0	55.0	47.0	66.0	5.0	1.0	3.83	4.03	74	93	SW	2	NE	1	8	10	—	Fine day.
25	29.81	29.81	58.0	55.0	51.0	69.0	3.0	3.0	3.93	3.49	81	81	N	1	W	5	10	2	—	Fine day.
26	29.81	29.81	66.0	55.0	49.0	67.0	6.0	2.0	4.34	3.75	68	87	SE	2	SE	4	2	9	0.298	Very fine and sunny. ☁ n.
27	29.81	29.81	52.0	52.0	51.0	61.0	1.0	1.0	4.51	3.61	93	93	SW	2	W	5	10	1	0.296	☁ a.
28	29.81	29.81	62.0	48.0	65.0	5.0	0.0	3.99	3.88	72	100	SW	3	E	4	6	10	0.798	Fine a. ☁ p.	
29	29.81	29.81	54.0	51.0	50.0	57.0	0.0	0.0	4.18	3.74	100	100	N	3	NW	5	10	10	0.040	Dull, with wet ☁.
30	29.81	29.81	52.0	51.0	48.0	59.0	1.0	0.0	3.61	3.74	93	100	N	2	NW	1	10	8	0.410	Dull, with ☁ showers.
31	29.81	29.81	53.0	56.0	49.0	63.0	1.0	3.0	3.74	3.65	93	81	N	3	NW	5	10	2	0.003	Dull, with ☁ showers.
Mean	29.503	29.502	58.0	53.3	48.4	62.9	3.8	1.5	3.75	3.68	77.6	89.8	3.9	3.5	7.8	6.5	3.871			Fine and sunny.



































## SCARBOROUGH.—JULY 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.25 in.

1	30.10	30.05	61.0	58.0	54.0	70.0	4.0	4.0	4.10	3.66	76	76	NW	3	W	3	10	3	—	Very fine day.
2	30.01	29.78	59.0	60.2	47.0	68.5	3.0	3.2	4.07	4.21	82	81	S	2	SE	6	10	6	.01	Fine day.
3	29.74	.77	60.0	56.5	54.0	66.5	6.0	4.0	3.44	3.45	66	75	W	6	SW	6	6	6	—	Very fine day.
4	.86	.84	61.0	57.5	50.0	66.0	7.0	6.0	3.34	3.31	62	66	NW	5	SW	5	4	6	—	Very fine day.
5	.79	.57	60.0	63.0	50.0	69.0	5.5	5.8	3.56	3.91	68	68	S	3	SW	4	10	6	.06	Dull day.
6	.36	29.64	51.0	47.8	47.0	67.5	1.5	1.6	3.35	2.93	89	88	NW	8	NW	8	10	10	.10	Squally ☁ <sup>2</sup> (force 10).
7	29.84	30.01	52.0	53.5	46.0	55.0	3.5	2.5	2.98	3.42	77	82	N	5	N	4	8	6	.04	Dull a., then fine.
8	30.04	.02	57.0	60.0	42.0	66.0	3.0	2.0	3.77	4.53	81	88	SE	3	W	3	6	8	—	Dull and overcast.
9	.11	.14	63.5	65.5	58.0	68.5	3.0	4.5	4.80	4.70	82	75	NE	4	SE	2	6	6	—	Fine, clear day.
10	.12	30.08	73.0	69.5	56.0	88.0	6.0	1.5	3.68	3.57	70	91	W	2	W	5	2	4	.06	Very fine day.
11	30.04	29.99	59.0	58.0	49.5	69.5	0.5	1.0	4.82	4.51	96	91	NE	4	NE	4	10	10	.68	☁ <sup>2</sup> ☁
12	29.86	.77	52.0	52.5	49.0	58.0	1.0	1.5	3.61	3.55	93	89	NE	4	NE	4	8	6	—	☁ a., then clear.
13	.72	.79	52.5	54.0	47.0	56.0	2.5	2.5	3.29	3.48	82	82	NW	5	NE	4	8	8	.01	Fine day.
14	.81	.78	57.5	53.0	45.0	59.0	7.0	2.5	2.89	3.35	61	82	W	3	SE	4	6	10	.45	Dull, with ☁.
15	.63	.67	56.0	58.0	51.0	66.0	1.0	1.0	4.19	4.51	93	93	SW	3	SW	4	10	10	.04	Very dull, ☁.
16	.61	.43	56.0	55.0	50.0	66.0	1.0	1.0	4.19	4.03	93	93	E	3	S	3	10	10	.08	Very dull, ☁ ☁.
17	.38	.50	61.0	53.0	52.0	70.0	3.0	1.0	4.39	3.74	82	93	NW	4	N	5	4	6	.01	Very fine day.
18	.52	.56	55.0	54.0	50.0	58.0	2.0	1.0	3.75	3.88	86	93	N	3	N	4	10	10	.06	Overcast day.
19	.70	.79	55.0	51.5	50.0	56.0	1.0	1.5	4.03	3.44	93	89	NE	4	N	4	10	10	.10	Very dull day.
20	.89	.94	55.0	55.0	48.5	58.0	3.0	4.0	3.40	3.25	80	75	N	4	SE	4	6	4	—	Splendid weather.
21	.89	.78	63.5	63.5	48.0	70.0	6.5	6.5	3.81	3.81	65	65	W	3	W	2	3	10	—	Dull day.
22	.64	.63	62.0	58.0	56.0	72.0	3.0	3.5	4.56	3.78	82	79	W	4	W	3	8	4	—	Cloudy day.
23	.61	.56	60.0	59.0	49.0	64.0	2.0	3.0	4.53	4.07	88	82	NW	3	SE	4	8	8	.15	Dull day.
24	.55	.72	57.0	58.0	53.0	62.0	1.0	1.5	4.34	4.34	93	89	NW	4	NW	4	10	10	—	Overcast day.
25	.85	.76	59.0	56.0	48.0	66.0	3.0	2.0	4.07	3.89	82	87	SW	3	SE	4	3	6	.20	Splendid day.
26	.63	.68	58.0	58.0	54.0	63.0	1.0	1.5	4.51	4.34	93	89	SE	2	N	4	10	10	.44	☁ <sup>2</sup>
27	.72	.58	57.0	56.4	48.0	65.0	2.0	1.9	4.06	3.99	87	87	SW	3	SE	4	6	10	.08	Dull, with ☁.
28	.43	.38	58.0	57.0	52.0	67.5	2.0	3.0	4.21	3.77	87	81	NW	4	N	4	10	8	.02	Dull day.
29	.35	.44	56.0	54.5	51.0	63.0	3.5	1.0	3.51	3.96	78	93	N	3	NE	4	8	10	.47	Dull, with ☁.
30	.45	.55	53.0	53.0	50.0	62.0	1.0	1.0	3.74	3.74	93	93	N	4	N	6	10	10	.02	Very dull day.
31	29.62	29.72	61.5	59.0	51.0	70.0	5.5	3.0	3.77	4.07	69	82	NW	6	NW	4	10	6	—	Overcast at times.
Mean	29.737	29.738	58.1	57.0	50.2	65.2	3.1	2.6	3.66	3.93	81.6	83.8	3.8	4.2	7.7	7.6	3.08			

## CRONKBORNE.—JULY 1903.

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. at Station Level.		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 Pressure.		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.
1	ins.	ins.	58.6	52.8	52.8	62.7	3.0	1.1	.402	.369	82	92	SSW 4	SSW 1	9	3	ins.	—	Fine day. 
2	29.87	29.64	61.5	55.2	47.0	66.7	4.5	1.6	.404	.390	74	90	SE 2	WSW 3	6	4	.114	—	Fine a.  after 5p.
3	.73	.80	57.2	54.7	54.3	62.0	3.1	2.9	.378	.349	81	81	WSW 4-5	W 4-5	4	4	—	—	Fine day.
4	.90	.85	57.6	55.2	51.2	60.8	4.1	0.9	.359	.410	76	94	W 4-5	SSW 3	4	9	.080	—	Fine day.
5	.64	.45	53.8	55.3	52.5	56.2	0.1	0.9	.413	.411	99	94	S 4	WNW 5-6	10	10	.498	 a. Overcast. Squally  (gale) n.	
6	.64	29.90	54.5	50.7	48.3	57.6	3.1	1.5	.334	.331	78	89	NW 7	NNW 5-6	4	7	—	 (gale). Fine day.	
7	29.98	30.08	58.9	49.7	47.1	62.0	5.3	1.9	.346	.300	69	87	NNW 4	SW 2	2	3	—	—	Very fine day.
8	30.07	.11	58.7	61.7	45.0	71.3	1.7	0.9	.440	.519	89	95	W 2	WNW 2	10	8	—	—	Dull till 12., then fine. 
9	.16	.15	68.8	59.8	59.2	72.5	3.8	1.4	.555	.469	79	91	W 2	SW 2	2	3	—	—	Very fine day. 
10	.14	30.08	63.6	60.1	54.5	66.0	2.2	0.1	.512	.516	87	99	NW 2	WNW 2	10	10	.095	 Cloudy day.  showers 7p.	
11	30.05	29.97	53.7	52.0	52.0	61.6	1.3	1.2	.376	.356	91	92	NNW 3	NW 3	10	4	.372	—	Dull and overcast, with  till 4p.
12	29.89	.83	61.0	50.7	48.2	62.7	4.8	0.9	.388	.348	73	94	NNW 4-5	WNW 2	3	7	.002	—	Fine day.
13	.79	.82	57.8	51.8	50.0	61.5	3.5	1.3	.377	.351	79	91	NW 4	W 1	4	8	.003	 showers early a. Fine day.	
14	.78	.66	54.5	53.7	47.8	58.7	2.2	0.0	.362	.414	85	100	SW 2	SSE 3-5	9	10	1.637	—	Overcast, with  p.
15	.56	.62	55.4	55.4	52.5	58.6	0.0	0.4	.439	.447	100	97	SW 3	SSE 2	10	10	.472	—	Overcast, with  (mist)  .
16	.49	.35	55.2	54.4	52.7	59.3	0.9	0.0	.410	.455	94	100	SE 1	SE 1	10	10	.160	—	Overcast, with  showers.
17	.37	.44	60.4	56.1	53.2	66.0	1.1	0.0	.489	.451	94	100	NW 2	Calm 0	7	3	—	—	Fine day. 
18	.51	.65	58.9	52.4	53.2	63.2	2.5	1.1	.420	.363	84	92	ENE 4	ENE 3	4	8	.026	 (mist) a. Cloudy day.  n.	
19	.73	.81	53.4	49.8	49.8	58.7	2.1	0.4	.350	.348	86	97	ENE 3	NNW 2	10	3	—	—	Dull day. 
20	.89	.91	60.7	50.0	45.0	62.3	3.6	0.8	.417	.339	79	94	SSE 1	NW 2	3	3	.033	 (mist). Dull day.  p.	
21	.84	.72	56.3	57.0	44.1	58.2	0.1	0.0	.450	.465	99	100	SSW 3	Calm 0	10	0	.290	—	Overcast, with   .
22	.63	.60	60.6	54.2	54.2	63.8	3.6	0.6	.415	.403	79	96	SW 2	SW 2	7	6	.034	—	Fine day.
23	.56	.59	60.7	53.0	53.0	62.8	2.4	1.4	.453	.363	86	90	S 2	WSW 1	3	2	—	—	Fine day. 
24	.65	.76	62.1	55.0	44.2	65.0	4.3	0.0	.420	.433	75	100	WNW 3	Calm 0	0	10	—	—	Very fine day.  2
25	.75	.54	60.5	57.2	54.2	62.0	2.9	0.2	.434	.462	83	99	SE 3-4	SSW 2	4	10	.156	 (mist) a. Fine a.  after 2p.	
26	.62	.67	58.4	53.8	53.8	65.0	2.0	0.4	.427	.403	87	97	WNW 2	S 1	6	2	.035	—	Fine day.  n. 
27	.61	.50	55.6	50.5	46.8	57.2	0.5	0.8	.438	.409	97	94	SE 1	NW 2	10	10	.570	—	 a. Overcast day.
28	.47	.44	59.8	56.0	50.0	65.4	2.6	0.9	.432	.422	84	94	W 3	NW 4	6	10	.043	—	Fine day.
29	.44	.45	59.2	53.8	52.9	62.5	3.2	1.1	.405	.383	81	92	W 3	NNW 3	4	7	.047	 a. Fine day. 	
30	.57	.68	58.2	53.9	51.4	60.7	2.5	1.9	.410	.361	84	87	NW 6	NW 6-7	7	10	.011	—	Fine day. Squally  (gale).
31	29.76	29.85	57.0	53.4	51.2	64.0	1.7	0.4	.414	.397	89	97	NW 6	Calm 0	7	10	.157	 showers a. Fine afternoon.	
Mean	29.747	29.740	58.5	54.4	50.6	62.5	2.5	0.9	.415	.401	84.6	94.0	3.2	2.3	6.3	6.6	4.835		



## HILLINGTON.—JULY 1903.

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. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep. of Wet.		Vapour Pressure.								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	30.17	30.09	65.0	58.2	51.2	75.5	6.3	1.6	.410	.436	66	89	WNW <sub>3</sub>	Calm 0	7	0	—	Sun and cloud. D <sup>2</sup>
2	30.00	29.76	72.0	66.2	47.2	81.3	9.2	6.5	.446	.424	57	65	SW 1	SW 1	2	10	—	Beautiful day.
3	29.85	.91	64.2	58.7	56.3	70.5	7.5	5.2	.367	.345	61	70	W 3	WSW 1	5	7	—	Sun and cloud. Breezy.
4	30.00	.97	62.9	57.0	48.1	69.7	3.7	3.2	.449	.371	78	80	WSW 4	Calm 0	7	10	—	Sun and cloud.
5	29.85	.65	60.4	60.9	54.2	67.9	4.8	4.2	.379	.403	72	76	Calm 0	SW 1	10	10	.05	Very dull and gloomy.
6	.55	29.72	53.5	53.5	51.8	62.1	4.8	5.9	.288	.265	70	64	NW 5	NW 5	10	10	.01	Cold, blowy, and dreary.
7	29.87	30.03	50.9	48.4	48.0	58.6	5.3	2.7	.248	.274	66	81	NW 5	N 1	10	0	—	Dull a. Fine and sunny p.
8	30.09	.07	55.0	63.3	44.1	65.5	4.8	3.4	.306	.405	70	80	NW 2	NW 1	1	10	—	Very fine a. Dull p.
9	.15	.23	68.9	59.1	56.1	76.5	6.4	1.4	.473	.456	67	91	N 2	SE 5	6	10	—	Very fine. D
10	.18	30.10	74.0	67.1	52.2	86.2	7.3	5.6	.545	.465	64	70	NW 1	Calm 0	1	1	—	Very fine and hot.
11	30.04	29.94	73.1	60.0	59.6	82.3	8.1	2.5	.500	.437	61	84	Calm 0	E 5	6	10	.02	Very fine. Distant T 6p.
12	29.85	.79	61.0	54.0	53.9	63.4	2.2	1.3	.464	.379	86	91	NW 1	Calm 0	10	10	—	Dull day.
13	.77	.84	58.6	51.9	50.6	63.4	6.0	3.2	.327	.304	66	79	NW 2	NW 1	5	7	—	Fine day. Much cir. p.
14	.86	.84	60.5	55.8	39.8	66.5	6.9	2.0	.330	.386	62	87	WNW <sub>2</sub>	Calm 0	5	10	.08	Sun and cloud a. 2 <sup>0</sup> p.
15	.75	.73	60.1	58.9	51.7	74.7	4.0	2.2	.397	.428	76	86	W 2	Calm 0	10	3	—	Cloudy day. D
16	.61	.50	64.3	60.1	52.1	67.9	4.7	1.6	.444	.467	74	90	SW 1	SW 2	10	10	.02	Sunless day. 2 <sup>0</sup> from noon.
17	.44	.47	64.0	60.4	52.9	74.9	5.4	1.8	.419	.465	70	89	SW 1	Calm 0	8	9	.12	Sun and cloud. Much cir. a. and p.
18	.52	.62	54.3	54.7	51.0	62.8	0.5	0.7	.407	.407	96	95	Calm 0	Calm 0	10	10	.56	2 <sup>0</sup> (mist) early. 2 <sup>0</sup> showers.
19	.73	.81	55.9	55.7	52.0	68.1	1.7	1.1	.397	.412	88	92	W 1	NE 1	10	10	—	Dull a. Fine p.
20	.89	.99	56.1	47.9	47.9	62.5	2.3	0.3	.382	.327	85	98	NE 2	Calm 0	10	0	—	Dull a. Sunny p. D <sup>2</sup>
21	.99	.90	58.0	60.1	41.1	71.5	3.3	0.6	.384	.500	80	96	SW 1	Calm 0	10	0	.02	Dull, then fine. 2 <sup>0</sup> 5p.
22	.76	.67	66.1	60.9	58.7	72.5	3.7	1.2	.397	.492	79	92	SW 3	Calm 0	8	1	.33	2 <sup>0</sup> showers. K 3 <sup>0</sup> 4p.
23	.63	.56	65.2	59.9	51.0	70.6	4.8	0.5	.457	.500	74	96	SW 1	Calm 0	7	10	.83	2 <sup>0</sup> most of day. 2 <sup>0</sup> n.
24	.60	.82	56.9	53.4	53.3	65.7	1.1	0.6	.430	.391	92	96	NW 2	Calm 0	10	2	.05	2 <sup>0</sup> early. 2 <sup>0</sup> till 2p.
25	.90	.79	63.4	61.8	42.9	74.8	6.7	5.0	.374	.396	64	72	SW 1	SW 2	4	9	.16	Very fine and warm.
26	.65	.74	60.5	55.0	55.0	64.4	1.0	0.2	.492	.427	93	99	SSW 1	Calm 0	10	0	.53	2 <sup>0</sup> early. 2 <sup>0</sup> 9a.-5p. 2 <sup>0</sup> (mist) p.
27	.78	.53	61.0	58.9	43.6	61.4	4.3	0.5	.401	.482	75	96	SW 1	Calm 0	9	10	.40	Fine a. 2 <sup>0</sup> p. 2 <sup>0</sup> 10p.
28	.54	.42	58.6	58.8	55.4	69.5	3.0	1.2	.401	.457	82	92	SW 2	Calm 0	10	5	—	Dull, then fine. 2 <sup>0</sup> (mist) p.
29	.46	.48	61.3	53.0	52.5	63.6	4.6	0.3	.399	.394	74	98	NW 2	Calm 0	7	10	.16	T 2 <sup>0</sup> 4p. 2 <sup>0</sup> (mist) p.
30	.51	.67	58.5	54.1	43.8	60.8	2.8	0.5	.406	.404	83	96	NW 3	Calm 0	9	10	.07	at intervals all day.
31	29.71	29.83	57.1	54.1	47.0	64.4	1.8	1.5	.413	.375	88	89	NW 2	WNW <sub>1</sub>	10	0	—	Gloomy day. Fine p. D <sup>2</sup>
Mean	29.797	29.789	61.3	57.5	50.5	69.0	4.5	2.2	.408	.411	74.8	86.4	1.8	0.9	7.6	6.9	3.41	

## CAMBRIDGE.—JULY 1903.

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	30.22	30.13	65.2	63.7	51.7	76.1	6.4	5.1	4.11	4.23	66	71	—	—	Fine day.
2	30.04	29.78	71.4	67.6	49.5	82.4	7.4	5.8	4.90	4.70	63	70	—	—	Fine day.
3	29.01	29.08	64.9	57.7	55.7	70.7	7.8	4.8	3.70	3.43	59	72	—	—	Fine day. Fresh to strong breeze.
4	30.03	30.01	61.5	60.8	50.1	70.6	6.9	4.5	3.42	3.93	63	75	—	—	Fine day.
5	29.89	29.67	59.9	61.5	55.1	68.9	4.6	4.2	3.78	4.13	73	76	—	—	Overcast nearly all day.
6	29.85	29.85	56.0	54.9	53.4	62.3	1.8	4.6	3.97	3.10	88	72	—	—	Overcast day. (gale).
7	29.95	30.08	56.1	50.0	45.8	64.6	8.1	3.2	2.53	2.82	56	79	—	—	Fine day.
8	30.14	30.13	59.4	64.8	41.7	69.8	5.9	3.1	3.38	3.04	67	83	—	—	Cloudy day.
9	30.18	30.23	70.5	65.3	60.3	79.8	6.8	2.7	4.91	5.26	66	84	—	—	Fine day.
10	30.12	30.12	77.2	74.8	55.6	86.1	8.9	8.9	5.58	5.09	59	60	—	—	Fine day.
11	30.08	29.95	73.3	66.1	59.0	84.5	5.8	4.0	5.82	4.98	71	78	—	—	Fine day.
12	29.88	29.81	62.0	58.2	57.2	67.9	2.1	2.2	4.84	4.18	87	86	—	—	Cloudy day.
13	29.80	29.88	58.7	53.8	47.3	65.3	6.2	2.3	3.23	3.51	65	85	—	—	Cloudy day.
14	29.90	29.87	61.5	56.0	47.2	67.2	6.4	2.4	3.55	3.81	65	85	—	—	Cloudy day.
15	29.78	29.75	64.7	63.2	52.4	75.2	6.2	4.6	4.09	4.29	67	74	—	—	Fine day.
16	29.61	29.53	65.5	60.2	54.5	65.9	4.0	1.0	4.87	4.89	78	94	—	—	Overcast day.
17	29.49	29.51	66.6	62.8	55.3	74.5	6.7	3.1	4.26	4.68	66	82	—	—	Overcast day. 2 <sup>0</sup> from noon.
18	29.53	29.66	59.2	56.9	53.5	64.2	0.6	1.0	4.84	4.33	97	94	—	—	2 <sup>0</sup> during day. 2 <sup>0</sup> nearly all day.
19	29.77	29.84	56.1	57.9	52.2	65.9	1.4	1.4	4.10	4.38	90	92	—	—	Overcast day.
20	29.93	30.03	55.2	52.3	51.8	60.1	0.7	1.3	4.16	3.57	96	91	—	—	Overcast day. 2 <sup>0</sup> till 1p.
21	30.02	29.92	62.6	60.2	42.1	72.2	4.9	0.9	4.12	4.92	73	95	—	—	Cloudy, with 2 <sup>0</sup> showers.
22	29.80	29.73	68.0	62.3	58.2	72.4	4.3	1.4	5.24	5.13	77	91	—	—	2 <sup>0</sup> showers. 2 <sup>0</sup> 4p.
23	29.67	29.67	65.2	55.8	53.0	69.9	3.1	1.0	5.10	4.17	83	94	—	—	Cloudy day. 2 <sup>0</sup> from 8.30p.
24	29.67	29.86	55.9	58.3	53.1	68.5	0.6	3.4	4.29	3.86	96	79	—	—	Cloudy day.
25	29.92	29.81	63.6	63.2	45.6	73.3	5.5	5.3	4.10	4.09	70	71	—	—	Fine day. 2 <sup>0</sup> p.
26	29.67	29.79	63.0	57.9	56.9	66.3	1.2	1.4	5.33	4.38	93	92	—	—	2 <sup>0</sup> showers during day. 2 <sup>0</sup> 9p.
27	29.79	29.56	63.5	61.0	46.7	64.8	4.4	0.7	4.40	5.13	75	96	—	—	Cloudy day.
28	29.68	29.46	62.4	61.0	55.6	69.5	4.9	1.9	4.09	4.73	73	89	—	—	Cloudy day. T 2 <sup>0</sup> . <
29	29.52	29.53	61.3	54.6	53.4	65.7	4.0	1.8	4.16	3.75	77	89	—	—	2 <sup>0</sup> showers nearly all day. T 9p.
30	29.57	29.73	62.0	54.7	48.2	63.1	4.2	3.2	4.21	3.41	76	79	—	—	Overcast day.
31	29.79	29.91	55.7	53.3	48.8	60.7	2.6	0.9	3.71	3.82	84	94	—	—	
Mean	29.842	29.829	62.8	59.7	52.0	69.9	4.7	3.0	4.28	4.25	74.8	83.0	—	—	

Note:—The observations at Churchstoke were discontinued after June 30th 1903.

## WOOLACOMBE.—JULY 1903.

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. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.			
							Dep. of Wet.		Vapour Pressure.		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	30.25	30.12	57.7	58.7	54.8	67.0	3.0	5.8	.388	.331	82	67	SW	1	E	4	2	2	—
2	29.90	29.89	69.9	58.1	56.2	75.6	8.3	1.4	.436	.439	59	90	E	3	SW	3	3	9	.01
3	30.03	30.09	58.5	56.7	55.2	61.4	2.8	2.0	.406	.401	83	87	SW	3	W	4	4	7	—
4	30.11	30.04	58.9	56.5	55.6	63.0	3.6	1.6	.389	.409	78	89	W	2	SW	1	4	10	.03
5	29.82	29.73	61.7	57.7	53.4	62.0	4.7	1.0	.403	.446	73	93	S	3	SW	3	9	9	.09
6	29.92	30.04	55.1	56.1	53.6	62.2	5.6	5.6	.290	.303	67	67	NW	4	NW	3	7	1	—
7	30.12	30.12	54.3	54.7	51.8	58.2	4.8	4.0	.298	.322	70	75	NW	3	NW	1	3	0	—
8	30.24	30.25	60.3	60.9	50.6	62.8	1.5	1.1	.473	.496	90	93	W	1	W	1	6	8	—
9	30.30	30.30	62.3	60.7	55.2	69.2	2.5	2.1	.477	.462	84	87	NW	1	NE	1	1	0	—
10	30.26	30.26	65.7	58.9	55.8	71.4	4.5	1.5	.475	.449	75	89	W	1	Calm	0	1	—	—
11	30.10	30.02	56.7	57.7	56.6	73.0	3.7	1.0	.514	.446	79	93	W	1	Calm	0	10	—	—
12	29.95	29.94	60.3	56.9	56.8	63.8	3.6	6.6	.412	.290	78	62	NW	2	NW	3	9	1	—
13	30.01	30.01	57.3	55.3	53.6	60.6	6.2	1.8	.304	.385	65	88	NW	3	NW	3	7	0	—
14	30.03	30.03	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
15	30.08	30.08	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
16	30.11	30.11	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
17	30.14	30.14	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
18	30.17	30.17	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
19	30.20	30.20	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
20	30.23	30.23	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
21	30.26	30.26	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
22	30.29	30.29	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
23	30.32	30.32	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
24	30.35	30.35	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
25	30.38	30.38	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
26	30.41	30.41	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
27	30.44	30.44	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
28	30.47	30.47	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
29	30.50	30.50	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
30	30.53	30.53	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
31	30.56	30.56	59.7	57.5	50.4	61.0	4.0	3.0	.391	.384	76	82	SW	1	SW	3	10	9	.01
Mean	29.887	29.894	60.4	58.2	54.8	64.5	3.4	2.2	.420	.420	79.6	86.4	2.5	2.5	5.7	5.7	2.75		



## PLYMOUTH.—JULY 1903.

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

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
							Dep. of Wet.		Vapour Pressure.										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.	62.0	57.1	48.5	67.4	4.4	4.2	.416	.348	75	75	Calm	0	E	2	4	0	ins.	Brilliant sunshine all day.
2	29.86	29.85	70.2	60.5	56.9	73.6	9.0	3.2	.422	.425	57	81	SE	5	NW	4	4	10	—	Bright till noon, then overcast.
3	30.00	30.06	59.5	55.8	49.9	65.9	3.0	1.9	.416	.392	82	87	WSW	4	W	3	9	3	—	Fine day, with strong W. winds.
4	30.06	30.00	60.6	54.5	53.8	62.9	3.0	0.9	.433	.399	83	94	SW	3	SW	2	5	10	.09	Fine till late afternoon. ☉ n.
5	29.83	29.71	58.2	58.8	53.9	60.4	2.3	0.9	.415	.467	85	95	WSW	4	W	3	10	10	.13	Cloudy, with ☉ showers. [day.
6	29.86	30.01	51.3	55.0	51.3	61.0	1.4	2.0	.342	.375	90	87	N	7	NW	4	6	1	—	(gale) a. Bright sunshine all
7	30.05	30.12	58.5	58.0	50.1	63.9	6.6	3.1	.311	.390	64	81	N	4	N	4	6	0	—	Bright sunshine all day.
8	30.18	30.17	61.0	69.9	49.9	71.3	2.5	6.4	.455	.493	85	68	SSW	1	NNE	2	9	2	—	Fine all day.
9	30.22	30.22	71.1	64.0	49.9	76.7	6.5	1.9	.512	.529	68	89	N	4	Calm	0	2	0	—	Continuous sunshine all day.
10	30.06	29.97	70.2	67.8	56.7	71.1	5.1	5.0	.542	.499	73	73	Calm	0	Calm	0	0	0	—	Brilliant sunshine all day.
11	29.87	29.86	62.1	55.5	55.3	68.4	2.0	5.0	.489	.310	88	70	N	5	N	3	10	0	.04	Splendid summer day.
12	29.89	29.93	61.2	54.2	47.8	61.7	7.3	3.4	.330	.327	61	78	N	3	N	2	8	1	—	Cloudy till noon, then fine.
13	29.89	29.84	59.1	58.6	46.3	62.6	3.1	2.4	.406	.419	81	85	SSW	2	SW	3	7	10	—	Fine day. Fresh N. wind.
14	29.78	29.72	60.5	58.3	57.2	63.4	2.5	2.2	.446	.420	85	86	SSW	4	S	3	10	10	.19	Fine day. Sultry and unsettled n.
15	29.53	29.51	58.9	59.1	55.9	63.9	1.5	0.8	.449	.476	91	95	SSW	4	WSW	3	10	3	.13	☉ till 2 p., then bright. [bright.
16	29.44	29.47	60.3	59.5	58.0	66.0	0.4	0.2	.510	.502	97	99	SSW	4	S	1	10	7	.01	☉ showers till noon, then
17	29.50	29.67	63.2	57.9	55.9	68.7	2.6	0.9	.490	.452	85	94	WSW	1	NNW	1	8	0	.07	Cloudy day. ☉ afternoon.
18	29.74	29.82	62.2	58.8	52.9	64.8	3.5	1.6	.444	.445	80	90	NNE	1	N	1	6	4	.22	Fine a. Steady ☉ afternoon.
19	29.90	29.90	62.8	59.3	55.7	68.6	4.7	2.4	.420	.429	74	85	N	4	N	1	6	4	—	Fine all day.
20	30.00	29.93	62.0	62.0	55.1	64.9	1.9	0.2	.490	.549	89	99	SSW	3	WSW	5	10	10	.68	Cloudy, with ☉ showers.
21	29.77	29.74	61.6	59.0	58.8	68.0	0.4	1.2	.534	.461	97	93	SW	5	W	2	10	3	.35	☉ early a. Bright from mid-day.
22	29.64	29.67	58.5	57.0	54.9	64.9	1.3	2.1	.449	.402	91	86	Calm	0	NW	2	9	1	.02	☉ a. Cloudy day.
23	29.79	29.89	60.5	58.8	58.0	66.7	3.8	1.9	.409	.437	78	88	W	4	WSW	2	8	1	.04	Fine day.
24	29.79	29.62	59.1	60.0	53.9	60.5	0.8	0.2	.476	.511	95	99	SE	6	SW	5	10	10	.59	Steady ☉ all day.
25	29.74	29.82	63.1	58.6	55.3	66.1	5.0	1.5	.416	.445	72	91	WNW	4	WSW	4	6	3	.39	Fine day. Few ☉ showers.
26	29.59	29.67	61.0	58.5	50.1	65.5	0.2	0.7	.530	.468	99	96	SW	4	W	5	10	7	.64	Overcast nearly all day.
27	29.48	29.55	61.7	59.7	55.9	65.9	0.2	1.6	.544	.460	99	91	SW	4	W	4	10	10	.08	☉ early a. Damp nearly all day.
28	29.64	29.58	60.0	57.2	55.0	65.0	4.1	1.5	.392	.423	76	90	W	4	W	4	5	9	.21	☉ showers, and fine intervals.
29	29.72	29.87	58.5	58.7	53.5	62.6	4.2	3.3	.368	.395	75	79	NW	6	NW	4	6	8	—	Fine all day.
30	29.93	29.91	59.8	57.1	54.4	62.9	5.8	1.8	.346	.413	67	88	NW	5	WNW	2	7	8	.09	Fine day. Cool air.
Mean	29.843	29.855	61.5	59.2	53.8	66.0	3.3	2.2	.443	.438	81.3	87.0	3.4	2.6	7.1	4.8	3.95			

## ARMAGH.—JULY 1903.

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	29.94	29.89	59.3	56.1	56.0	69.5	3.7	5.0	.393	.318	78	70	SW	2	SW	0.5	10	0	—	Fine day.
2	.74	.52	62.3	52.0	52.0	66.0	3.7	1.0	.440	.361	78	93	SE	3	SW	3	10	4	.050	T 1 p. ☉ 5 p.
3	.63	.75	55.8	51.0	50.9	62.3	0.5	4.4	.431	.268	96	72	WSW	3	SW	2	9	0	.020	
4	.80	.73	57.4	57.1	49.8	65.3	5.4	2.5	.323	.393	68	84	WSW	2	S	2	8	10	.068	
5	.45	.54	58.0	51.1	51.1	65.2	0.8	1.0	.457	.350	94	93	S	3	NW	2	10	10	.085	
6	.74	29.90	51.9	46.3	46.3	59.2	2.0	0.5	.334	.302	87	97	NW	2	NNW	1	10	4	—	
7	29.97	30.01	55.0	58.6	42.8	66.3	1.4	5.2	.392	.345	91	70	NNW	1	W	0.5	8	10	—	
8	30.01	.07	60.4	61.1	54.9	69.3	8.6	2.7	.291	.450	55	83	SW	1	W	1	10	10	—	Overcast all day.
9	.10	.04	65.4	63.0	59.0	76.0	3.6	6.8	.498	.366	80	64	SW	3	SW	2	0	2	—	Fine day.
10	.03	30.00	63.0	60.1	58.0	70.8	2.8	0.7	.480	.496	83	95	SW	2	NW	0.5	10	10	.127	
11	30.00	29.94	54.1	56.0	52.2	65.0	1.0	5.4	.390	.308	93	68	NNE	1	NNE	0.5	10	10	—	
12	29.85	.78	55.6	53.1	44.5	61.3	6.5	5.0	.278	.278	63	69	NNW	1	NNW	0.5	10	10	—	
13	.74	.75	55.0	51.1	47.3	61.2	4.4	1.4	.316	.340	73	90	NW	1	NW	0.5	8	10	.182	
14	.66	.44	53.2	55.0	49.0	56.0	1.2	0.2	.371	.427	92	99	SSW	1	S	3	10	10	1.036	Overcast, with ☉.
15	.44	.49	62.3	59.8	48.8	72.0	0.7	2.9	.538	.423	96	82	SW	1	S	2	10	10	.138	
16	.35	.28	55.6	55.1	53.9	60.8	0.8	0.5	.420	.420	95	86	SE	3	ENE	1	10	10	.015	Overcast, with ☉ showers.
17	.28	.36	59.1	57.1	54.0	66.0	2.6	1.8	.421	.413	84	98	SSE	1	ENE	1	9	10	.062	
18	.48	.61	59.3	54.6	52.5	65.0	2.7	2.6	.420	.353	84	83	NE	1	Calm	0	10	10	—	
19	.69	.74	58.8	56.1	47.0	66.5	4.5	5.5	.365	.307	74	68	E	1	SSW	1	8	10	—	
20	.84	.84	57.6	55.0	48.3	63.5	4.3	3.9	.354	.327	75	76	SW	0.5	SW	2	10	8	.130	
21	.67	.62	63.0	58.6	54.4	63.7	2.4	5.4	.493	.340	86	69	SW	2	W	1	10	9	.120	
22	.53	.45	60.3	54.1	54.0	66.4	6.7	3.0	.332	.336	63	80	SW	2	S	3	7	10	.105	T
23	.45	.50	58.4	56.8	49.7	65.0	4.6	2.5	.357	.388	73	84	SSW	2	WNW	0.5	4	9	—	☉ 7 p. - 8 p.
24	.58	.65	58.6	56.0	48.3	66.8	4.2	1.9	.369	.394	75	88	WSW	1	SSW	1	7	0	.160	
25	.58	.39	59.4	54.6	53.8	60.5	4.0	0.6	.387	.409	76	96	SE	4	S	2	10	10	.562	
26	.55	.56	60.0	52.8	48.8	65.8	5.0	3.5	.369	.309	71	77	SW	1	SE	1	5	7	.235	☉ 5 p.
27	.50	.48	57.4	54.6	49.0	61.9	4.4	2.0	.347	.370	73	87	SE	2	NE	0.5	10	10	—	Overcast all day.
28	.41	.39	54.8	56.0	49.0	65.2	0.8	1.8	.406	.397	94	88	Calm	0	NNW	0.5	10	10	.048	☉ early a.
29	.35	.46	57.6	49.6	49.4	63.0	5.0	2.2	.336	.301	71	85	SW	1	N	0.5	8	4	.078	
30	.62	.76	56.4	52.0	49.2	61.0	3.0	2.4	.369	.325	81	84	NNW	1	NW	1	10	10	—	
31	29.77	29.76	62.3	54.0	51.0	67.8	7.0	3.6	.352	.320	63	76	NW	1	SW	1	8	10	.094	
Mean	29.669	29.668	58.3	55.1	50.8	65.0	3.5	2.8	.388	.359	79.5	82.4	1.6		1.2	8.7	8.0	3.315		

## MARKREE CASTLE.—JULY 1903.

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. at Station Level.		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 Pressure.		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.	64.8	57.0	55.9	68.5	5.3	2.1	4.36	4.02	72	86	S	4	Calm	0	7	6	—	Fine day.
2	29.99	29.96	64.8	57.0	55.9	68.5	5.3	2.1	4.36	4.02	72	86	SSE	4	SW	2	9	8	—	☉ <sup>2</sup>
3	75	66	61.9	52.9	51.8	67.3	6.3	0.9	3.63	3.75	65	94	W	3	SW	1	10	4	—	
4	74	86	56.3	52.0	50.8	61.8	4.3	2.1	3.36	3.33	73	85	WSW	2	S	4	9	10	22	Fine a. ☉ showers afternoon.
5	90	73	57.9	56.5	50.4	64.9	5.1	2.6	3.38	3.81	70	83	SSW	3	NNW	7	8	10	03	☉ <sup>0</sup> a. ☉ <sup>2</sup> p. Squally (gale).
6	49	29.74	59.8	52.2	51.9	63.3	2.0	3.2	4.51	3.08	88	79	N	4	Calm	0	8	4	—	Fine day.
7	29.93	30.04	53.5	46.8	46.5	57.3	5.3	1.8	2.77	2.77	67	87	N	4	Calm	0	8	4	—	Gloomy day.
8	30.07	30.12	55.5	56.0	39.7	62.0	5.5	1.5	2.98	4.05	67	90	Calm	0	Calm	0	9	10	06	Gloomy day.
9	13	19	64.4	62.0	55.0	69.4	2.5	2.6	5.16	4.68	85	84	SW	2	Calm	0	10	10	—	Gloomy day.
10	18	16	65.9	61.0	56.7	75.4	4.0	2.0	4.94	4.70	78	88	SSE	4	S	1	8	5	—	Fine day.
11	12	12	65.0	55.3	55.3	66.9	3.4	1.0	4.97	4.08	81	93	SSW	2	NW	1	10	10	—	Dull day.
12	30.10	30.06	59.2	52.0	52.0	63.3	6.5	2.6	3.21	3.20	64	82	NW	1	NW	1	7	5	—	Fine day.
13	29.99	29.91	55.9	51.8	44.3	59.8	5.0	1.9	3.17	3.36	70	87	NW	1	W	1	9	10	06	Fine till noon. ☉ <sup>0</sup> evening.
14	89	86	54.6	51.9	47.5	58.8	4.2	2.0	3.15	3.34	74	87	NW	2	Calm	0	10	10	38	Gloomy day.
15	69	48	53.0	59.4	50.5	59.5	1.0	0.5	5.74	4.91	93	97	SSE	4	S	2	10	10	02	☉ <sup>2</sup> all day and n.
16	50	50	64.8	59.3	59.3	70.2	2.0	1.4	5.41	4.60	88	91	SW	1	SE	5	10	10	19	☉ showers.
17	42	37	56.0	55.9	54.7	64.4	1.0	0.9	4.19	4.20	93	94	SE	2	Calm	0	10	4	03	☉ showers till evening.
18	36	43	60.9	59.9	49.3	68.1	3.0	1.9	4.35	4.54	82	89	N	1	N	1	10	9	—	Gloomy day. T
19	57	68	62.9	55.7	55.1	67.3	3.9	1.9	4.44	3.90	77	88	Calm	0	N	1	10	9	—	
20	76	86	61.0	50.1	45.2	63.4	4.3	2.1	4.02	3.08	76	85	Calm	0	NW	1	6	1	—	Fine day.
21	95	90	57.8	56.8	45.7	68.0	3.9	1.5	3.67	4.17	77	90	N	1	Calm	0	10	6	24	Gloomy a. Fine day.
22	76	69	63.0	52.0	51.9	68.5	4.0	1.8	4.43	3.40	77	87	S	1	SE	1	10	2	03	
23	60	53	59.9	54.4	52.0	63.9	6.0	1.4	3.44	3.83	67	91	S	4	Calm	0	10	7	42	☉ ☉ showers all day.
24	51	61	60.3	47.8	43.5	63.8	5.4	0.3	3.64	3.25	70	98	S	1	Calm	0	8	3	20	☉ <sup>0</sup> a. ☉ <sup>2</sup> at times.
25	64	72	60.4	53.0	41.0	66.9	3.9	1.2	4.04	3.69	77	92	SW	1	Calm	0	7	4	11	☉ <sup>0</sup> (mist) early a. Fine afternoon.
26	55	48	58.3	33.7	49.7	60.7	3.0	0.9	3.97	3.87	81	94	SE	5	Calm	0	7	7	60	☉ all afternoon.
27	61	64	60.8	51.0	42.5	65.9	5.4	1.5	3.70	3.36	70	90	S	2	Calm	0	5	5	02	
28	55	57	58.7	51.4	42.5	65.8	5.7	0.7	3.34	3.61	67	95	SE	1	Calm	0	7	2	03	Dull day. ☉ showers.
29	49	51	60.8	52.8	43.4	65.0	4.9	1.5	3.83	3.58	73	89	Calm	0	SE	1	7	6	12	☉ <sup>0</sup> (mist) a. ☉ showers p.
30	42	61	58.0	54.5	49.1	61.1	3.2	2.6	3.88	3.52	80	82	SW	3	NW	3	9	4	39	Cloudy, with ☉ showers.
31	79	89	54.0	55.1	51.4	60.3	1.1	2.2	3.85	3.71	92	85	N	3	NW	4	10	8	04	☉ (gale) all day.
31	29.92	29.83	57.0	57.8	54.3	59.8	4.0	0.8	3.51	4.54	75	94	W	2	SSW	1	10	10	12	Gloomy a. ☉ showers p.
Mean	29.753	29.764	59.4	54.4	49.6	64.6	4.0	1.7	3.99	3.80	76.4	88.9	2.1	1.2	8.8	6.5	5.19			



## BIRR CASTLE.—JULY 1903.

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. at Station Level.		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 Pressure.		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.	63.2	59.7	53.1	72.2	6.3	3.4	.382	.408	66	80	W	3	Calm	0	6	3	ins.	—	Fine day.
2	29.66	29.67	62.1	55.7	51.9	68.4	5.9	3.2	.376	.356	68	80	E	2	E	3	9	6	.045	—	Fine day. ● showers.
3	29.77	29.88	59.3	52.9	48.8	60.8	6.3	2.5	.327	.333	65	84	W	3	W	2	5	6	.050	—	Cloudy, with ● showers.
4	29.91	29.74	59.0	55.7	47.9	63.7	4.6	3.4	.364	.351	73	79	SW	1	SE	6	5	10	.093	—	Cloudy, with ● showers.
5	29.52	29.68	62.1	52.0	48.7	62.4	2.6	2.6	.471	.320	84	82	SW	2	NW	5	10	10	.028	—	Cloudy, with ● showers.
6	29.87	29.98	54.4	49.7	46.2	60.5	4.0	2.8	.317	.288	74	81	NW	3	NW	1	9	3	—	—	Cloudy day.
7	30.02	30.08	53.7	58.7	40.8	62.7	4.2	2.0	.303	.432	73	87	ENE	1	W	1	8	8	—	—	Overcast day.
8	29.10	29.17	63.7	61.5	55.8	70.0	1.8	1.9	.527	.483	89	89	Calm	0	Calm	0	10	1	—	—	Cloudy and close.
9	29.17	29.12	63.7	63.5	54.1	76.9	2.5	2.9	.503	.486	85	83	Calm	0	NW	1	2	3	—	—	Fine, bright, and warm.
10	29.11	29.06	61.7	62.5	57.9	70.0	4.8	2.1	.399	.493	73	87	W	2	Calm	0	10	7	.006	—	☁ (mist) a. Cloudy and close.
11	29.01	29.98	56.7	55.7	54.3	63.2	0.6	0.7	.440	.423	95	95	NW	1	W	1	10	8	.245	—	☁ (mist) a. Overcast day.
12	29.94	29.87	56.7	54.2	43.6	62.0	5.0	1.6	.324	.375	70	89	NW	1	NW	1	6	7	—	—	Fine and bright.
13	29.86	29.83	56.7	53.5	48.8	61.6	0.3	3.3	.450	.321	98	78	NW	2	W	1	8	4	.260	—	Cloudy day.
14	29.69	29.50	54.0	59.0	50.2	62.6	1.0	1.0	.388	.467	93	94	SE	2	SE	2	10	10	.600	—	Overcast, with ● showers.
15	29.50	29.48	63.3	58.0	54.0	66.0	1.6	1.1	.526	.448	90	92	SE	1	SE	2	10	10	.624	—	Overcast, with ● showers.
16	29.35	29.31	57.7	56.7	53.0	66.0	0.9	0.9	.450	.433	95	95	SE	1	SW	1	10	7	.470	—	Cloudy, with ☁ at times.
17	29.30	29.34	63.8	57.2	53.1	65.8	5.0	1.2	.428	.431	72	92	E	1	E	1	7	4	.032	—	Cloudy, with ● showers.
18	29.48	29.60	59.0	60.0	49.8	66.0	1.5	2.3	.452	.444	91	86	ESE	1	SE	2	10	8	.005	—	Cloudy, with ● showers.
19	29.70	29.77	57.7	59.7	52.8	66.9	2.8	2.3	.395	.439	82	86	E	1	Calm	0	10	6	—	—	Cloudy day.
20	29.89	29.88	57.8	60.2	49.7	66.6	4.7	3.5	.347	.413	73	79	NE	1	Calm	0	3	4	.112	—	Fine and bright a. Cloudy day.
21	29.75	29.69	61.8	58.0	54.1	66.6	1.0	2.5	.517	.407	94	84	Calm	0	Calm	0	10	4	.049	—	Cloudy day. ☁ from noon.
22	29.60	29.52	60.7	54.7	50.9	66.6	5.3	1.9	.371	.374	70	88	S	1	SW	1	3	6	.088	—	Fine day. ● showers n.
23	29.50	29.56	59.7	54.0	51.2	64.2	4.8	2.1	.370	.357	72	85	SW	1	Calm	0	3	2	—	—	Fine and warm.
24	29.63	29.69	60.6	57.5	46.5	65.8	5.9	1.0	.356	.443	68	94	ESE	1	SW	1	2	7	.375	—	Fine day. ● showers n.
25	29.49	29.47	58.7	56.5	46.6	66.1	3.1	1.9	.401	.401	81	88	E	6	SE	1	10	8	.529	—	Overcast, with ● showers.
26	29.60	29.59	59.9	52.5	48.2	60.5	4.8	2.0	.373	.341	72	87	SW	2	SE	1	2	5	.330	—	Fine and bright.
27	29.46	29.54	55.3	54.7	51.1	64.3	1.6	1.1	.392	.397	89	93	E	1	Calm	0	10	4	.080	—	Overcast, with ● showers.
28	29.44	29.49	61.0	55.6	47.1	65.7	4.5	2.8	.397	.365	75	82	E	1	W	3	3	5	.545	—	Cloudy day.
29	29.45	29.54	51.0	53.7	49.9	59.0	0.9	1.6	.351	.367	94	89	W	1	W	2	10	10	.420	—	☁ a. Cloudy day. ● showers.
30	29.75	29.85	58.7	53.9	49.0	60.0	5.3	3.5	.344	.321	69	77	NW	3	NW	4	7	5	—	—	Cloudy day.
31	29.89	29.88	58.0	58.6	52.3	61.7	4.8	1.7	.347	.440	72	89	NW	2	SW	1	7	10	.090	—	Cloudy day.
Mean	29.723	29.730	59.1	56.6	50.4	65.0	3.5	2.2	40.0	39.9	79.5	86.3	1.5	1.4	7.3	6.2	5.076				

## DEERNESS.—AUGUST 1903.

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	29.64	29.61	49.2	49.0	46.2	53.0	2.7	2.0	28.5	29.8	82	NW	3	NW	2	10	10	—	—	Overcast and cold.
2	29.55	29.42	52.0	51.7	47.5	57.3	2.0	0.6	33.5	36.7	86	WNW	4	S	1	9	10	.12	—	☁ showers a. ● p.
3	29.30	29.45	56.0	50.1	49.0	58.6	1.0	1.5	41.9	32.3	93	Calm	0	NW	1	7	6	.03	—	Cloudy day.
4	29.31	29.56	51.0	50.0	48.0	53.3	0.9	0.7	35.1	34.2	94	ESE	3	NNW	4	10	10	.57	—	☁ a.-p.
5	29.44	29.57	51.8	50.2	47.8	53.0	3.8	1.1	29.0	33.5	75	WNW	4	W	3	9	8	.05	—	Overcast, with ● showers p.
6	29.63	29.72	53.7	51.0	47.0	58.1	3.1	1.0	32.9	34.8	80	W	3	W	2	8	4	—	—	Fine day.
7	29.74	29.74	56.2	52.0	48.8	59.0	2.2	1.6	38.8	34.5	86	WSW	4	SSW	1	7	8	—	—	Very fine day.
8	29.54	29.26	52.8	55.0	48.0	56.0	1.0	1.0	37.2	40.3	93	SE	2	S	3	10	10	—	—	☁ a. Overcast day.
9	29.05	29.07	60.0	55.0	52.0	63.0	1.9	1.0	45.6	40.3	89	SW	2	WNW	2	5	5	—	—	☁ a.-p. Cloudy day.
10	29.23	29.42	52.0	50.0	49.0	56.6	4.0	2.0	28.7	30.9	74	W	4	W	3	9	2	—	—	Cloudy and cold.
11	29.54	29.58	54.0	52.0	46.2	58.8	3.2	2.8	32.9	31.5	79	WSW	4	SSE	2	7	8	—	—	Very fine day.
12	29.60	29.64	54.4	51.0	48.8	59.0	2.9	1.0	34.3	34.8	81	NW	1	SSE	1	5	1	.20	—	Very fine a. ☁ showers n.a.
13	29.59	29.59	55.5	50.0	49.0	59.0	1.3	1.2	42.3	32.9	91	SSE	2	Calm	0	1	1	.04	—	Very fine day.
14	29.40	29.98	54.8	53.5	48.8	55.6	2.2	0.5	36.8	39.5	86	ESE	4	E	7	10	10	.46	—	Overcast, with ☁ from 6p. [D.]
15	28.80	28.78	54.0	52.5	51.0	54.8	0.0	0.4	41.8	38.4	100	SE	1	S	2	10	10	—	—	☁ (very dense) all day. [(gale).]
16	28.97	29.24	54.5	51.5	50.0	54.8	3.3	3.5	33.4	29.3	78	W	6	WSW	6	9	4	.04	—	Cloudy, with ☁ showers.
17	29.40	29.48	55.0	50.2	48.4	57.4	4.2	1.2	32.0	33.2	74	WSW	4	W	1	8	4	—	—	Fine day.
18	29.45	29.44	53.2	49.0	46.8	57.8	1.6	1.7	36.0	30.5	89	Calm	0	Calm	0	4	1	—	—	Very fine day.
19	29.43	29.41	54.2	51.0	45.8	55.4	3.5	2.2	32.5	31.8	77	SE	1	SE	2	3	5	.45	—	Very fine day.
20	29.28	29.14	50.2	49.0	46.0	55.8	1.0	1.8	33.7	30.3	94	NW	1	S	2	9	10	.35	—	☁ early a. Very fine. T 8.30p.
21	29.10	29.43	49.5	51.0	45.0	54.8	1.0	2.0	32.8	32.3	93	NNW	2	WSW	5	9	4	.09	—	☁ showers all day.
22	29.32	29.49	52.2	52.0	48.4	56.0	1.2	1.0	35.8	36.1	92	W	3	WSW	3	10	10	.03	—	☁ showers all day.
23	29.62	29.68	53.0	51.5	49.3	59.0	2.0	2.1	34.7	32.6	86	SW	3	Calm	0	9	1	—	—	Very fine day.
24	29.70	29.75	51.0	49.0	45.0	54.8	1.0	2.0	34.8	29.8	93	NNE	1	NE	1	10	10	—	—	Very fine day.
25	29.79	29.81	52.6	48.0	44.0	55.8	2.4	1.5	33.2	29.7	83	S	1	W	1	10	2	—	—	Very fine day.
26	29.70	29.43	52.5	53.2	47.0	53.8	2.0	0.2	34.1	40.0	87	S	4	S	3	10	10	.70	—	☁ showers all day.
27	29.23	29.05	56.5	53.2	50.5	61.8	2.7	1.2	37.9	37.1	83	SW	6	S	6	0	10	.33	—	Fine a. Wind and sea rising p.
28	29.11	29.31	53.1	49.8	48.5	56.6	0.9	0.8	37.9	33.7	93	W	8	W	3	10	10	.02	—	(gale) ☁ (sleet) showers.
29	29.40	29.67	48.8	49.0	45.8	51.8	4.8	1.8	23.7	30.3	68	WNW	5	W	4	10	7	.03	—	Cold, with ☁ showers.
30	29.73	29.39	53.0	46.2	45.5	55.5	4.0	0.7	29.9	29.7	74	E	6	E	6	10	10	.70	—	Fine day. ☁ from 7p.
31	29.44	29.85	48.3	46.0	45.0	53.3	1.9	1.3	29.2	28.0	87	N	7	NW	1	10	3	.06	—	(gale) ☁ a. Fine, cold day.
Mean	29.419	29.434	53.1	50.7	47.7	56.4	2.2	1.4	34.5	33.5	85.2	3.0	2.5	7.9	6.6	4.27				

## DUNROBIN CASTLE.—AUGUST 1903.

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. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.	Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Pressure.		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.	56°	52°	50°	59°	2°	1°	in.	in.	%	%			ins.	
1	29°81	29°78	56°0	52°5	50°0	59°0	2°5	1°5	°378	°354	84	89	NW	SE	—	Dull, but dry.
2	°73	°55	60°0	53°5	52°0	64°5	0°5	1°5	°502	°367	97	89	E	E	—	Fine and breezy.
3	°46	°52	56°0	56°5	53°0	64°0	1°0	2°0	°419	°398	93	87	NW	NW	—	● showers a.
4	°45	°51	53°0	52°5	50°5	59°0	1°0	2°5	°374	°328	93	83	SE	E	—	Dull, with ● showers.
5	°64	°80	57°0	51°0	50°0	59°5	5°0	1°0	°327	°348	70	93	E	SE	—	
6	°79	°94	55°0	52°5	51°0	60°0	4°0	2°5	°325	°328	75	83	W	W	—	● showers a.
7	°95	°81	58°0	54°0	52°0	62°0	6°0	1°0	°318	°388	66	93	NW	NW	—	
8	°66	°31	51°0	56°0	50°0	58°0	1°5	2°0	°336	°391	90	87	E	E	—	Dull, with ● showers.
9	°22	°33	60°0	57°0	51°0	65°0	2°0	3°5	°453	°364	88	78	E	E	—	Fine a. ● showers p.
10	°45	°67	52°0	50°0	50°0	60°0	4°0	3°0	°287	°286	74	80	NW	NE	—	Dull day.
11	°74	°75	59°0	51°0	50°0	62°0	5°5	1°0	°342	°348	69	93	SW	NW	—	Fine and sunny.
12	°68	°80	58°0	50°0	47°0	61°0	4°0	3°0	°367	°286	76	80	W	W	—	Fine and sunny. ● showers p.
13	°75	°73	56°0	50°0	47°0	60°0	3°0	1°0	°365	°334	81	93	SW	W	—	Fine and sunny. ● showers p.
14	29°51	°09	55°0	54°0	47°0	55°0	3°0	0°0	°349	°418	81	100	E	E	—	Dull, with ●.
15	28°93	°01	53°5	53°0	50°0	59°0	0°5	0°5	°395	°389	96	97	SE	SE	—	☼ <sup>0</sup> (mist).
16	29°31	°56	54°0	51°0	48°0	58°0	4°0	2°0	°310	°323	74	86	NW	NW	—	Dull and cold.
17	°63	°70	55°0	51°0	44°0	60°0	4°0	1°0	°325	°348	75	93	NW	NW	—	
18	°62	°63	56°0	49°0	40°5	58°0	4°0	2°0	°340	°298	75	86	S	SE	—	Fine day.
19	°56	°57	54°0	49°0	44°0	59°0	2°0	1°0	°360	°322	86	93	SE	SE	—	°09 Fine a. ● showers p.
20	°40	°33	55°0	49°5	38°0	58°0	6°0	1°5	°280	°315	65	89	E	SE	—	°24 Fine day.
21	°34	°49	50°0	50°0	42°0	61°0	3°0	4°0	°286	°265	80	74	N	NW	—	°08 ● showers a. and p.
22	°51	°77	52°0	52°0	47°0	59°0	2°0	4°0	°335	°287	86	74	N	SW	—	Dull a. Fine p.
23	°80	°81	56°0	53°0	40°5	61°0	4°0	4°0	°340	°299	75	74	S	SE	—	Fine and sunny.
24	°86	29°93	53°0	52°0	40°5	55°0	3°0	3°0	°322	°310	80	80	S	N	—	
25	°95	30°00	55°0	54°0	44°0	63°0	4°0	3°0	°325	°334	75	80	SW	S	—	°10 Dull a. Fine p.
26	°77	29°64	51°0	56°0	45°5	57°0	1°0	1°0	°348	°419	93	93	SW	NW	—	Dull, with ●.
27	°44	°31	60°0	57°0	50°0	64°0	6°0	4°0	°344	°351	66	75	W	W	—	Sunny, with ☼.
28	°42	°52	57°0	53°0	49°0	60°0	4°0	3°0	°351	°322	75	80	W	W	—	°15
29	°59	°90	52°0	46°0	43°0	54°0	4°0	2°0	°287	°265	74	86	N	W	—	
30	°91	29°27	50°0	49°0	40°0	55°0	3°0	2°0	°286	°298	80	86	W	E	—	°88
31	29°54	30°03	49°0	46°0	42°0	58°5	3°0	1°0	°276	°287	79	93	N	W	—	°12 Dull, with ☼.
Mean	29°594	29°614	54°8	52°0	46°7	59°6	3°2	2°1	°344	°334	79°7	86°0	—	—	—	3°94



LAUDALE.—AUGUST 1903.

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. at Station Level.		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 Pressure.		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°8	55°0	40°3	59°7	0°8	0°2	in.	in.	%	%	Calm	0	W	1	10	ins.	
2	29°82	29°82	53°8	55°0	40°3	59°7	0°8	0°2	391	427	94	99	W	2	S	2	10	13 ☁ (mist) a ● showers.	
3	29°79	29°50	53°0	55°2	51°7	65°3	3°0	1°2	393	441	81	92	W	3	NW	3	10	75 ☁ (mist) a. ● showers.	
4	29°54	29°69	55°7	56°0	52°8	58°7	2°7	2°7	368	373	83	83	W	3	NW	3	10	36 ● all day.	
5	29°44	29°60	57°0	54°8	52°0	59°7	2°0	1°8	405	378	87	88	NW	3	NW	5	8	55 Squally ☁ <sup>2</sup> showers all day.	
6	29°70	29°87	55°0	53°2	52°0	62°4	1°2	1°3	397	368	92	91	NW	3	NW	3	10	44 ● <sup>2</sup> showers all day. ▲	
7	29°59	29°99	55°0	54°5	50°2	58°7	4°0	2°2	325	362	75	85	W	4	W	3	10	55 ▲ <sup>2</sup> showers all day.	
8	30°01	29°85	57°8	55°0	52°7	64°5	4°0	3°0	365	349	77	81	S	4	SW	2	10	53 Squally, with ● <sup>2</sup> showers a.	
9	29°60	29°32	58°0	59°0	52°0	62°8	3°0	1°0	393	467	81	94	S	5	W	4	10	60 Squally ☁.	
10	29°23	29°32	59°0	58°7	57°0	63°0	1°4	2°8	455	409	92	82	W	2	W	1	6	50 ● <sup>2</sup> showers. ☁ (mist) p.	
11	29°52	29°68	56°0	52°0	50°7	58°9	4°0	3°0	340	310	75	80	SW	2	NW	2	8	04 ● <sup>2</sup> showers a.	
12	29°75	29°76	52°0	52°4	44°7	62°8	2°8	3°4	315	306	81	78	NNW	2	W	3	6	7 ● showers.	
13	29°77	29°73	55°8	52°2	46°0	62°8	3°0	0°2	360	385	80	99	W	3	W	3	7	10 ● <sup>2</sup> showers.	
14	29°35	28°95	55°3	59°3	46°0	63°0	2°3	1°0	372	412	85	82	S	4	S	4	10	100 ☁ <sup>2</sup> all day.	
15	28°86	29°02	63°0	58°0	45°0	64°2	4°3	2°8	434	399	76	82	Calm	0	SW	2	6	10 Dark day, with R.	
16	29°42	29°59	56°9	52°0	51°0	59°3	1°9	2°0	406	335	88	86	W	2	W	3	7	6 ● showers.	
17	29°06	29°67	57°0	59°6	46°0	60°0	1°4	2°6	422	428	91	84	W	2	W	2	4	04 ▲ <sup>2</sup> showers. Bright intervals.	
18	29°00	29°67	60°0	59°0	44°0	64°8	2°0	2°0	453	436	88	88	W	3	W	2	4	10 Fair and warm.	
19	29°02	29°68	55°0	54°0	45°0	62°4	2°8	2°0	354	360	82	86	W	3	W	2	10	72 ● <sup>2</sup> showers.	
20	29°42	29°30	52°3	51°0	44°0	61°0	1°3	3°0	357	299	91	80	W	3	W	3	8	10 ● showers.	
21	29°43	29°58	51°0	49°9	41°0	58°7	1°1	1°9	346	310	92	87	NW	3	W	2	10	6 ● <sup>2</sup> showers.	
22	29°66	29°76	55°3	49°9	49°0	63°0	4°3	2°9	323	287	73	81	W	3	W	2	9	7 ● <sup>2</sup> showers.	
23	29°80	29°78	57°2	51°0	42°0	65°8	3°4	2°0	370	323	79	86	SE	2	Calm	0	6	02 Fair most of day.	
24	29°77	29°85	61°0	52°4	46°0	64°4	5°0	0°6	383	374	72	96	Calm	0	W	2	3	7 ● <sup>2</sup> in afternoon.	
25	29°58	29°93	55°0	54°0	40°2	61°0	1°8	1°8	381	366	88	87	WNW	2	W	2	6	9 Fair during day. ● n.	
26	29°79	29°69	55°3	56°0	50°0	63°3	2°4	1°3	369	411	84	91	W	4	W	4	10	10 ☁ <sup>2</sup> all day.	
27	29°57	29°72	57°2	51°7	63°0	64°0	4°7	1°2	372	431	72	92	W	4	W	6	10	40 Squally ☁ <sup>2</sup> ● <sup>2</sup> showers.	
28	29°58	29°59	58°7	54°8	53°8	59°9	3°7	2°8	384	351	77	82	W	5	W	4	7	80 ● <sup>2</sup> showers.	
29	29°63	29°53	55°7	51°0	50°0	61°2	2°5	2°0	374	323	84	86	WNW	3	NW	2	8	4 ● <sup>2</sup> showers a.	
30	29°91	29°29	54°7	54°8	44°0	54°8	3°7	2°8	328	351	76	82	S	3	SSE	6	10	100 ☁ <sup>2</sup> from noon.	
31	29°80	29°00	53°7	47°3	47°3	60°0	3°5	1°0	319	302	77	93	NW	3	W	2	7	05 Stormy n. ● showers p.	
Mean	29°635	29°629	56°4	54°4	47°9	61°6	2°9	2°0	375	368	82°2	86°7	2°7		2°7	7°9	8°5	13°17	

DUNDEE.—AUGUST 1903.

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

1	29° 67'	29° 60'	57° 8'	55° 6'	48° 8'	64° 4'	3° 8'	0° 5'	*369	*428	77	97	SW	1	SE	1	10	10	*61	● from 6p.
2	'61	'44	58° 7'	55° 6'	51° 3'	69° 2'	3° 5'	1° 8'	*390	*399	78	88	NW	2	SW	1	5	10	*34	● n. and from 8p.
3	'32	'49	58° 0'	56° 5'	52° 9'	65° 6'	3° 6'	2° 4'	*377	*389	78	84	W	2	W	2	10	10	*10	● n. and till 7a.
4	'33	'38	54° 4'	55° 5'	51° 0'	64° 8'	0° 4'	4° 5'	*412	*321	97	72	SW	1	NW	4	10	7	*04	● n. and till 10a.
5	'52	'58	60° 4'	54° 6'	52° 7'	64° 3'	5° 3'	3° 1'	*368	*342	70	80	NW	2	NW	2	10	5	—	Cloudy day.
6	'73	'78	58° 1'	54° 8'	48° 5'	63° 8'	4° 8'	3° 0'	*349	*348	72	81	SW	2	W	2	10	10	*14	● showers.
7	'86	'67	58° 8'	56° 3'	45° 5'	68° 5'	4° 0'	2° 5'	*378	*382	76	84	NW	1	NW	1	5	10	*50	Cloudy day.
8	'57	'31	54° 9'	56° 8'	51° 9'	60° 3'	0° 5'	0° 6'	*416	*443	97	95	W	1	SW	2	10	10	*14	● n. and during day.
9	'15	'20	57° 8'	57° 6'	55° 1'	59° 8'	1° 2'	1° 2'	*443	*438	92	92	SW	2	SW	6	10	10	*31	● n. and till 9a.
10	'26	'49	54° 6'	51° 4'	51° 4'	59° 4'	0° 3'	1° 6'	*419	*343	98	88	NE	1	SW	1	10	10	*45	● n. and till 3p.
11	'62	'70	56° 3'	56° 6'	42° 1'	60° 9'	3° 3'	0° 8'	*361	*375	79	95	SW	1	SW	1	5	5	*02	Fine day.
12	'61	'66	58° 5'	55° 1'	47° 1'	69° 3'	3° 5'	2° 4'	*386	*366	78	84	SW	1	NW	1	5	10	—	Dull from 6p.
13	'64	'29	60° 5'	54° 8'	49° 4'	65° 9'	3° 8'	1° 2'	*409	*396	78	92	SW	1	W	1	5	7	*07	● 9a. Cloudy day.
14	29° 33'	28° 31'	54° 8'	55° 8'	50° 0'	66° 9'	0° 4'	0° 3'	*418	*437	97	98	SE	1	SE	6	10	10	*68	● from 7a.
15	28° 73'	28° 84'	55° 7'	56° 5'	50° 5'	61° 5'	0° 3'	1° 5'	*435	*412	98	90	NE	1	SW	1	10	10	—	Dull day.
16	29° 13'	29° 41'	60° 4'	52° 5'	52° 1'	64° 9'	5° 4'	2° 5'	*365	*328	86	83	SW	2	NW	1	5	5	*03	Dull day. ● from 6p.
17	'51	'50	56° 8'	54° 8'	42° 2'	65° 9'	2° 8'	1° 3'	*380	*351	82	91	NW	1	NW	1	7	7	—	Fine day.
18	'44	'43	56° 1'	53° 1'	43° 1'	64° 8'	2° 6'	1° 1'	*377	*373	83	92	SE	1	SE	1	10	10	*04	● 9p.
19	'45	'43	51° 8'	53° 6'	47° 4'	62° 8'	0° 6'	2° 4'	*370	*344	95	83	NW	1	W	1	10	10	—	—
20	'33	'15	57° 6'	50° 4'	46° 2'	63° 6'	3° 9'	0° 9'	*364	*344	77	94	SW	2	SE	1	5	10	*07	● showers 11a-3p. Distant T.
21	'22	'41	55° 6'	50° 2'	43° 7'	61° 7'	4° 6'	2° 7'	*320	*296	72	82	NW	4	NW	4	5	5	—	Cloud and sunshine.
22	'49	'63	57° 9'	51° 5'	45° 9'	63° 9'	5° 5'	2° 4'	*329	*319	68	84	NW	4	NW	2	5	0	—	Fine day.
23	'69	'64	58° 2'	49° 8'	47° 4'	65° 3'	3° 7'	0° 5'	*377	*345	78	96	SW	1	SE	1	5	0	—	Fine day.
24	'68	'73	51° 6'	49° 2'	42° 3'	62° 1'	1° 2'	0° 7'	*350	*332	92	96	SE	1	NE	1	5	7	—	☁ till 9a.
25	'82	'86	53° 6'	49° 3'	39° 8'	64° 6'	2° 3'	0° 8'	*347	*331	84	95	SE	1	SE	1	5	10	*07	Cloudy day.
26	'77	'58	52° 3'	52° 4'	45° 9'	58° 1'	0° 6'	0° 6'	*376	*460	96	95	SW	1	SW	1	10	10	*30	● 6a.-1p.
27	'40	'33	60° 1'	56° 4'	66° 1'	1° 1'	3° 1'	*483	*367	93	81	SW	4	SW	8	10	7	*01	● till 10a., then (gale).	
28	'38	'42	60° 1'	54° 1'	53° 2'	65° 0'	5° 0'	3° 1'	*373	*333	72	79	SW	6	SW	2	5	5	—	—
29	'46	'74	57° 3'	46° 5'	45° 0'	63° 7'	4° 4'	1° 8'	*346	*277	74	87	W	2	NW	2	5	7	—	Cloud and sunshine.
30	'81	'25	52° 1'	52° 5'	39° 8'	53° 8'	2° 6'	0° 2'	*322	*390	82	98	SW	1	SE	4	10	10	*95	● from 1.30p.
31	29° 50'	29° 86'	56° 1'	52° 4'	50° 5'	59° 7'	6° 4'	1° 9'	*288	*343	64	88	NW	6	SE	1	5	10	*48	● in past n.
Mean	29° 485'	29° 487'	56° 7'	53° 6'	48° 0'	63° 2'	2° 9'	1° 7'	*377	*366	82° 1'	88° 5'		1° 9'	2° 1'	7° 5'	8° 0'	5° 35'		

GLASGOW.—AUGUST 1903.

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° Faht. at Station Level.		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 Pressure.		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° 66	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
2	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
3	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
4	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
5	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
6	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
7	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
8	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
9	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
10	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
11	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
12	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
13	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
14	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
15	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
16	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
17	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
18	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
19	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
20	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
21	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
22	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
23	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
24	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
25	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
26	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
27	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
28	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
29	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
30	29° 64	ins.	55° 3	54° 3	50° 7	61° 4	0° 8	1° 3	344	384	95	91	Calm	0	W	1	10	10	ins.
31	29° 60	29° 84	53° 9	52° 4	50° 6	59° 3	5° 9	2° 6	347	357	80° 1	85° 8	1° 1	1° 2	7° 8	7° 7	6° 533	6° 533	ins.
Mean	29° 491	29° 494	55° 1	53° 8	49° 9	60° 9	3° 2	2° 2	347	357	80° 1	85° 8	1° 1	1° 2	7° 8	7° 7	6° 533	6° 533	ins.

COCKLE PARK (NEAR MORPETH).—AUGUST 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

1	29° 52	29° 47	59° 0	57° 0	49° 0	68-0	2° 0	2° 0	'436	'405	88	87	W	4	W	5	10	7	'030	Dull morning. Fine day.
2	'47	'33	'58° 0	'53° 0	'50° 0	'64° 0	4° 0	1° 0	'367	'374	76	93	NW	6	S	2	9	10	'065	Dull, with  a. n.
3	'28	'38	60° 0	54° 0	51° 0	64° 0	5° 0	2° 0	'369	'360	71	86	NW	7	W	7	4	2	'040	Fine day.  (gale).
4	'24	'33	62° 0	52° 0	51° 0	67° 0	3° 0	2° 0	'456	'335	82	86	W	7	W	7	9	1	—	Fine day.  (gale).
5	'44	'69	60° 0	50° 0	49° 0	63° 0	5° 0	6° 0	'369	'226	71	63	W	8	NW	6	4	1	—	Fine day.  (gale).
6	'65	'68	59° 0	50° 0	48° 0	63° 0	6° 0	2° 0	'330	'309	66	86	NW	7	W	6	5	1	'078	Fine a. and n.  showers.
7	'74	'66	59° 0	55° 0	45° 0	66° 0	4° 0	2° 0	'380	'375	76	87	W	5	W	2	3	9	'023	Fine day. n.  ((gale)).
8	'44	'19	58° 0	60° 0	52° 0	62° 0	1° 0	3° 0	'451	'423	93	82	S	3	SW	3	10	6	'280	a. Dull day. Fine n.
9	'14	'14	58° 0	55° 0	54° 0	64° 0	3° 0	3° 0	'393	'349	81	81	W	5	W	4	8	4	—	Cloudy day. Fine and clear n.
10	'12	'40	60° 0	45° 0	44° 0	61° 0	3° 0	1° 0	'423	'275	82	92	W	4	W	3	9	1	—	Dull a. and n. Fine day.
11	'40	'46	58° 0	52° 0	41° 0	61° 0	6° 0	1° 0	'318	'361	66	93	SW	3	W	2	4	7	'016	showers during day.
12	'48	'53	60° 0	51° 0	48° 0	66° 0	6° 0	3° 0	'344	'299	66	80	W	4	W	3	2	3	'060	Fine day.  [day. Fine
13	'52	29° 49	60° 0	55° 0	46° 0	65° 0	5° 0	2° 0	'369	'375	71	87	W	4	SE	2	4	10	'088	showers early a.  Fine
14	29° 13	28° 76	54° 0	54° 0	48° 0	59° 0	1° 0	0° 0	'388	'418	93	100	SE	6	S	3	10	6	'586	Overcast, with  K
15	28° 56	28° 78	57° 0	55° 0	51° 0	62° 0	2° 0	1° 0	'405	'403	87	93	S	4	W	7	10	9	'150	Dull, with  showers.  (gale).
16	29° 09	29° 33	58° 0	51° 0	50° 0	63° 0	5° 0	2° 0	'342	'323	71	86	W	9	W	5	8	1	—	Dull a. Fine day.  (gale).
17	'35	'37	55° 0	49° 0	42° 0	61° 0	4° 0	1° 0	'325	'322	75	93	NW	1	SE	1	6	7	'351	Fine day.
18	'24	'32	52° 0	47° 0	45° 0	59° 0	1° 0	0° 0	'361	'323	93	100	NE	1	S	1	10	3	—	early a. Cloudy day.
19	'27	'33	52° 0	49° 0	45° 0	62° 0	1° 0	2° 0	'361	'298	93	86	W	3	SE	1	8	4	'047	Cloudy day.
20	'26	'05	48° 0	52° 0	46° 0	61° 0	1° 0	3° 0	'309	'310	93	80	SW	1	SW	1	10	4	—	Fine day.
21	'06	'31	48° 0	49° 0	43° 0	62° 0	4° 0	2° 0	'243	'298	73	86	W	3	W	2	3	2	—	Fine day.
22	'39	'48	52° 0	46° 0	42° 0	64° 0	2° 0	0° 0	'335	'311	86	100	W	2	S	2	2	1	—	Fine day.
23	'53	'46	59° 0	51° 0	39-0	61° 0	7° 0	0° 0	'308	'374	61	100	SE	3	NW	1	2	10	—	Fine day.  n.
24	'47	'47	53° 0	52° 0	42° 0	59° 0	0° 0	0° 0	'403	'388	100	100	S	2	W	1	9	10	'163	Cloudy day.  n.
25	'60	'62	55° 0	47° 0	45° 0	59° 0	3° 0	1° 0	'349	'298	81	93	N	5	SW	3	9	0	'060	Dull a. Fine day.
26	'69	'50	52° 0	59° 0	45° 0	60° 0	2° 0	1° 0	'335	'467	86	94	SW	3	SW	5	10	10	'142	a. and n. Overcast day.
27	'38	'34	64° 0	55° 0	55° 0	66° 0	3° 0	2° 0	'492	'375	82	87	SW	5	SW	7	8	3	—	Fine day.  (gale).
28	'36	'31	59° 0	52° 0	51° 0	63° 0	4° 0	1° 0	'380	'361	76	93	W	8	Calm	0	9	10	'060	(gale). Cloudy day.  n.
29	'35	'60	57° 0	49° 0	47° 0	63° 0	4° 0	1° 0	'351	'322	75	93	W	7	NW	3	4	4	—	Fine day.
30	'67	'11	52° 0	61° 0	41° 0	62° 0	2° 0	3° 0	'335	'439	86	82	W	3	SW	5	9	7	'313	Cloudy day.  from noon.
31	29° 41	29° 72	57° 0	50° 0	49° 0	62° 0	6° 0	1° 0	'304	'334	65	93	NW	10	E	2	2	10	'048	(gale) a. Fine day.
Mean	29° 35.8	29° 37.3	56° 6	52° 2	46° 9	62° 7	3° 4	1° 6	'366	'349	79° 5	89° 1		4° 6		3° 3	6° 8	5° 3	2° 600	



## SCARBOROUGH.—AUGUST 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 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. at Station Level.		Air Temperature.					Humidity.					Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.		
								Dep.of Wet.		Vapour Pressure.		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.	%	%	NW	3	SW	5	8	6	ins.	—
2	29.78	29.73	59.5	60.0	49.0	72.5	3.0	2.5	.415	.437	82	84	NW	6	W	4	8	6	1.4	Dull day.
3	.71	.63	59.5	58.0	53.0	65.0	4.0	3.0	.386	.393	76	82	NW	6	W	4	8	6	1.4	☁️ ga. Dull day.
4	.42	.63	60.0	60.0	54.0	66.0	3.5	5.0	.418	.369	79	71	NW	5	W	6	8	6	1.04	Very fine day.
5	.57	.58	58.5	60.0	50.0	70.0	1.0	4.0	.459	.396	93	76	SW	6	WSW	4	10	4	—	Very fine day.
6	.71	.79	60.0	57.0	50.0	66.5	4.0	3.0	.396	.377	76	81	W	5	W	6	4	6	—	Very fine day.
7	.93	.94	60.0	60.0	47.0	65.0	7.0	6.0	.321	.344	62	66	SW	4	SW	6	4	6	—	Very fine day. Large meteor seen [8p.]
8	.99	.92	56.0	57.0	47.0	67.0	4.0	3.0	.338	.377	75	81	W	4	SW	5	4	6	—	Very fine day.
9	.75	.47	60.0	60.5	52.0	67.0	5.0	2.5	.369	.446	71	84	SW	5	SW	5	10	4	1.02	Dull and overcast.
10	.44	.45	61.5	64.0	52.0	70.0	5.0	5.5	.389	.426	72	69	SW	7	SW	6	7	6	—	☞ (gale) ga. Fine day.
11	.61	.61	59.0	57.0	50.0	68.0	5.0	3.5	.355	.364	71	78	SW	5	W	4	4	4	—	Fine intervals.
12	.74	.69	58.0	58.5	46.0	67.0	4.0	2.5	.366	.423	76	84	SW	4	NW	5	6	10	1.04	Dull day.
13	.69	.77	57.5	49.0	47.0	61.0	6.5	1.8	.299	.302	63	87	N	5	SE	3	4	6	1.03	Fine day.
14	.78	.74	60.0	59.0	44.0	70.0	5.0	3.0	.369	.423	71	82	W	5	SE	4	8	6	—	Fine day.
15	29.42	.05	57.0	58.0	52.0	64.0	2.5	3.5	.391	.378	84	79	SE	7	S	7	10	10	1.43	Dull and overcast, with ☞ (gale)
16	28.87	.11	59.0	57.0	51.0	63.0	3.0	2.5	.407	.391	82	84	S	6	SE	7	8	8	1.01	Dull day. ☞ (gale) 9p. [7p.]
17	29.32	.59	55.5	57.0	51.0	63.0	3.0	3.0	.336	.377	81	81	SW	6	W	7	8	6	—	Fine day. ☞ (gale) 9p.
18	.56	.60	58.5	56.0	47.0	63.0	4.5	1.8	.361	.396	73	88	N	3	N	4	6	4	1.18	Fine day.
19	.41	.51	54.0	54.5	48.0	58.0	1.2	3.0	.382	.343	92	80	E	4	NE	3	10	4	1.14	Fine day.
20	.52	.60	53.5	55.0	43.0	65.0	1.7	3.0	.362	.349	88	80	SW	3	W	6	10	8	1.08	Fine day. [7p.]
21	.54	.26	54.0	51.0	49.0	62.0	1.5	2.2	.374	.317	89	85	SW	4	S	4	10	10	1.18	Dull day. ☞
22	.31	.58	56.5	57.5	47.0	64.0	5.5	3.5	.308	.371	67	79	W	7	W	5	6	5	—	☞ (gale) ga. Very fine day.
23	.67	.73	59.0	60.5	44.0	67.0	5.0	6.5	.355	.339	71	64	W	4	W	4	2	6	—	Very fine day.
24	.75	.68	58.0	56.5	40.0	62.0	4.0	2.3	.366	.389	76	85	NE	5	NE	3	8	8	1.01	Very fine day.
25	.68	.64	54.0	54.0	42.0	59.0	0.8	0.5	.394	.374	94	96	NE	3	E	7	10	10	1.48	Dull, with ☞. ☞ (gale) 9p.
26	.70	.95	54.5	54.0	51.0	57.0	1.5	1.8	.381	.366	89	88	NE	6	NW	6	10	6	1.04	Dull a. Fine p.
27	.98	.83	54.0	56.5	45.0	59.0	2.0	3.3	.361	.362	86	80	NW	4	S	6	10	10	1.04	Dull and overcast.
28	.73	.63	56.5	58.0	55.0	64.0	2.0	1.5	.397	.434	87	89	SW	8	SW	6	8	8	1.15	☞ (gale) ga. Dull and overcast.
29	.69	.62	58.0	58.0	52.0	65.0	4.0	2.0	.366	.421	76	87	SW	7	SW	7	8	8	1.02	Fine day, with ☞ (gale).
30	.59	.86	57.5	56.5	51.5	65.0	2.5	2.5	.399	.384	84	84	NW	6	NW	4	4	4	—	Very fine day.
31	.94	.68	51.0	54.0	45.0	61.0	2.0	0.8	.322	.394	86	94	SW	4	S	6	8	10	1.11	Overcast, with ☞.
Mean	29.63	29.89	58.5	59.5	45.0	64.0	4.5	5.0	.360	.361	73	71	NW	7	NE	5	6	4	1.01	☞ (gale) ga. Very fine day.
Mean	29.620	29.637	57.4	57.1	48.4	64.5	3.5	3.0	.372	.380	78.9	81.3	5.1	5.2	7.2	6.8	2.15			

## CRONKBORNE.—AUGUST 1903.

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	29.77	29.79	58.7	56.0	52.5	66.7	0.0	0.8	4.95	4.25	100	94	SW 1	W 4	10	10	0.48	☁️ showers a. Cloudy day.
2	77	50	58.6	56.8	52.3	60.7	5.4	0.0	3.40	4.62	69	100	W 3	SSW 4	3	10	5.33	Fine a. ☁️ after 3.30p.
3	56	67	57.2	54.4	51.4	62.7	2.7	0.6	3.89	3.64	83	96	WSW 4-5	WNW 1	7	3	0.28	☁️ a. Cloudy, with ☁️ showers.
4	57	66	56.9	58.1	48.8	64.1	4.7	1.7	4.21	4.32	73	88	WSW 5-6	W 4-5	6	10	0.10	Fine day, with strong breeze. ☁️ p.
5	77	92	59.0	54.0	53.2	62.6	3.5	2.8	3.94	3.39	79	81	W 5	W 4	6	2	0.43	Fine a. Cloudy, with ☁️ showers p.
6	96	99	57.5	50.0	49.0	62.4	3.8	0.5	3.64	3.48	77	97	WSW 5	WSW 2	7	2	—	Fine a. ☁️
7	98	81	60.1	56.0	44.0	62.4	4.3	0.0	3.89	4.49	74	100	SSW 1	SE 2-3	2	10	3.64	Fine till 2p., then ☁️ (mist).
8	58	36	57.4	55.8	54.2	61.7	2.1	1.3	4.09	4.08	87	92	SSE 2	SSW 5	10	10	0.26	Dull, with ☁️ showers.
9	36	36	57.4	55.8	54.2	61.7	2.1	1.3	4.09	4.08	87	92	SSW 6	WSW 4-5	7	3	0.50	Fine, with squally ☁️.
10	47	65	58.4	51.6	51.0	61.5	3.4	1.1	3.88	3.53	79	93	WNW 4	NNW 3	8	7	0.20	☁️ a. Cloudy day.
11	67	72	59.1	57.4	41.0	63.5	5.1	0.8	3.53	4.48	76	95	SW 2	N 1	4	8	—	Fine day. ☁️ p.
12	75	29.64	58.7	55.7	48.0	62.5	4.4	0.7	3.66	4.23	74	95	WSW 2	SE 3	3	9	0.02	Very fine day.
13	29.09	28.86	57.2	58.0	54.5	61.8	0.2	1.0	4.62	4.51	99	93	ESE 5-6	SSE 5	10	5	4.47	Fine day. Squally ☁️ n.
14	28.72	29.15	56.8	55.0	53.4	62.0	0.5	1.5	4.39	3.96	96	90	WSW 4	W 6-8	10	10	0.50	Cloudy. Squally ☁️ 2 noon. ☁️ (gale) p.
15	29.45	57	57.4	53.0	52.3	61.7	2.6	0.9	3.95	3.77	84	94	WNW 6	SW 2	5	8	0.09	Fine, with ☁️ till 4p., then dull.
16	57	57	55.7	52.8	50.0	65.0	1.0	0.8	4.16	3.77	94	94	NE 1	NNW 2	9	10	0.02	Dull, with ☁️ a. Fine afternoon.
17	44	46	63.4	52.4	49.0	63.7	5.6	0.4	4.05	3.82	69	97	NW 2	NNW 1	4	10	0.72	Fine a. ☁️ showers p.
18	55	54	57.6	52.6	50.4	60.6	4.1	1.3	3.59	3.61	76	98	W 3	W 3	4	10	1.90	Fine day. ☁️ 7p.
19	43	26	55.2	51.8	48.2	58.6	2.2	1.6	3.73	3.43	86	98	SW 4	W 2	7	10	0.03	☁️ before ga. Fine day.
20	42	57	56.9	54.8	48.0	60.4	3.2	0.6	3.70	4.12	80	95	WNW 4-5	Calm 0	4	5	—	Very fine day. ☁️ p.
21	65	69	57.9	49.3	41.0	61.0	3.9	0.2	3.68	3.46	76	99	SW 3	NE 1	2	4	—	Very fine day.
22	67	59	59.4	53.8	45.3	61.5	2.2	2.2	4.37	3.53	87	85	SE 3	NE 2	3	7	0.15	Overcast day. ☁️ after 3.30p.
23	60	56	50.0	53.4	49.3	59.5	3.2	0.6	3.60	3.91	80	96	E 4	NE 3-4	10	6	1.08	Very fine day. ☁️ p.
24	87	79	60.7	47.4	46.8	64.0	5.5	0.3	3.66	3.19	69	98	NNW 2	NNW 3	1	2	0.30	Overcast with ☁️.
25	89	76	55.4	58.2	46.2	58.2	0.2	0.0	4.30	4.86	97	100	SW 4	SW 4	10	10	5.53	☁️ till 2p., then fine. Squally ☁️.
26	65	64	57.3	56.5	54.0	58.3	1.7	0.0	4.24	4.59	88	100	SW 5-6	SW 5-6	9	10	4.10	Dull, with squally ☁️.
27	71	55	57.6	56.6	54.0	60.8	2.5	0.3	3.82	3.53	84	98	W 4	NW 3	6	4	0.30	Fine day.
28	69	89	56.3	50.0	50.0	60.8	2.5	0.3	3.82	3.53	84	98	SSE 3	SW 6	10	10	3.63	Overcast, with ☁️. Squally ☁️ p.
29	83	42	53.4	58.6	45.2	58.7	0.8	0.3	3.85	4.83	94	98	WNW 5	ESE 3	4	10	1.40	Fine day. ☁️ p.
30	29.79	29.85	55.8	53.2	52.0	60.6	3.0	1.2	3.63	3.71	81	92	—	—	—	—	—	—
Mean	29.611	29.604	57.9	54.2	49.6	61.7	2.8	0.9	3.97	3.97	82.9	94.0	3.6	3.2	6.3	7.4	4.261	—

## STONYHURST.—AUGUST 1903.

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. at Station Level.		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 Pressure.		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° 57	ins.	58° 0	56° 8	53° 5	62° 3	1° 2	2° 2	445	397	92	86	WSW 1	WbyN 1	10	10	ins.	Overcast, with ☁ (mist) ☁.
2	54	56	60° 0	56° 0	52° 5	61° 2	6° 0	2° 0	344	391	66	87	WNW 3	swbys 2	9	10	590	Cloudy, with bright intervals.
3	58	48	58° 0	54° 6	54° 3	60° 6	5° 0	1° 9	342	373	71	88	WNW 4	Calm 0	9	1	130	Squally ☁ a. Fine day.
4	55	43	61° 0	58° 0	52° 8	64° 2	1° 4	3° 4	490	383	92	79	WbyN 4	W 3	10	8	—	Fine day. Squally ☁.
5	54	58	58° 0	53° 0	53° 0	61° 2	4° 0	3° 0	367	342	76	80	W 4	WNW 2	9	1	010	Fine, bright, and sunny.
6	75	75	57° 8	52° 1	61° 0	5° 5	3° 5	339	356	71	78	W 4	W 2	9	8	—	Fine and warm.	
7	78	64	60° 0	60° 6	45° 5	65° 1	5° 6	4° 0	354	405	68	78	W 1	Calm 0	9	10	—	Fine day.
8	44	25	61° 0	59° 0	56° 5	68° 7	3° 0	4° 0	358	380	67	76	S 2	SSW 1	10	9	025	Cloudy day. ☁ 10a.-noon.
9	22	22	61° 0	56° 0	55° 3	65° 1	6° 0	5° 2	358	313	67	69	SW 4	SW 1	5	3	160	☁ showers a. Fine day.
10	20	44	55° 8	54° 0	52° 3	58° 2	2° 8	3° 2	367	349	82	79	WbyN 2	Calm 0	10	9	—	7a.-8.30a. Fine day.
11	49	45	57° 5	52° 0	49° 8	62° 0	3° 5	2° 0	372	335	78	86	SSW 1	Calm 0	9	5	—	Fine and warm.
12	49	55	60° 0	50° 6	44° 5	65° 3	6° 0	3° 1	369	292	71	79	W byS 1	Calm 0	7	4	070	Bright and sunny.
13	55	29° 46	57° 0	58° 0	48° 8	65° 0	3° 0	4° 4	377	357	81	74	SW 1	Calm 0	7	10	130	☁ early a., then fine. Overcast 2p.
14	29° 00	28° 73	57° 0	59° 0	55° 8	65° 0	1° 9	3° 2	408	402	88	81	ESE 2	S 2	10	10	620	☁ (mist) ☁ a. 1.40p.-2p. ☁
15	28° 56	28° 92	56° 0	54° 0	53° 7	65° 3	1° 7	2° 2	399	355	89	85	SW 3	W byS 3	10	10	435	Overcast, with ☁.
16	29° 21	29° 38	53° 0	52° 8	52° 0	59° 3	2° 2	2° 6	342	330	85	82	W byS 5	WSW 1	10	10	—	Cloudy day. Bright intervals.
17	30	35	56° 3	54° 2	49° 8	62° 7	4° 0	2° 2	344	358	75	85	NE 1	Calm 0	10	8	455	☁ showers. Fine p.
18	19	24	52° 0	53° 8	49° 8	59° 4	2° 0	2° 8	335	337	86	81	NNE 1	Calm 0	10	9	030	☁ a. Dull and gloomy.
19	31	38	54° 5	53° 0	48° 5	59° 7	2° 3	3° 8	368	340	87	84	WSW 1	SW 1	9	10	970	8a.-9a. Fine day. ☁ showers
20	27	03	51° 7	50° 8	50° 0	53° 0	1° 7	1° 8	339	325	88	87	WSW 1	Calm 0	10	10	350	☁ all day.
21	16	38	55° 0	50° 8	48° 3	56° 6	4° 5	2° 3	314	314	73	85	W 4	WNW 1	8	4	050	Squally ☁ a. ☁ showers p.
22	45	52	56° 2	51° 8	45° 6	61° 0	3° 5	2° 8	355	313	78	81	WSW 2	Calm 0	8	3	—	Fine, sunny, and warm.
23	49	41	57° 0	54° 1	48° 3	62° 7	5° 0	3° 6	327	321	70	77	NE 1	NE 1	3	5	140	☁ (mist) a. 1.40p. Fine p.
24	40	34	53° 4	53° 0	49° 5	56° 8	3° 0	2° 2	327	342	80	85	NE 1	NE 2	10	10	085	Overcast, with ☁ showers.
25	55	77	55° 0	51° 9	62° 7	5° 0	2° 0	313	335	70	86	N 3	NW 1	10	0	—	Cloudy a. Fine day.	
26	73	63	57° 0	57° 0	49° 5	58° 3	3° 4	1° 0	367	434	79	93	SW 3	SW 3	10	10	650	☁ showers a. ☁ 3.30p.-11p.
27	52	44	59° 7	56° 3	60° 2	3° 4	2° 4	408	385	80	85	SW 3	swbyW 2	10	2	500	11.30a.-4p.	
28	48	39	58° 9	55° 0	53° 6	61° 0	3° 9	2° 0	381	375	75	87	WSW 4	swbyW 1	9	10	640	1p.-6p.
29	42	66	57° 0	54° 2	50° 7	59° 3	4° 0	4° 0	351	313	75	74	W 4	WNW 2	9	3	020	Cloudy, with bright intervals.
30	70	32	53° 0	61° 4	46° 0	62° 2	2° 0	3° 4	347	434	86	80	Calm 0	SW 4	4	10	140	Dull and overcast.
31	29° 53	29° 72	55° 8	53° 2	52° 5	62° 0	5° 8	1° 4	296	366	66	91	W 5	Calm 0	10	10	010	☁ (gale) 3.30a. Fine day.
Mean	29° 401	29° 415	56° 9	54° 9	50° 9	61° 5	3° 7	2° 8	361	355	77° 8	82° 2	2° 5	1° 2	9° 0	7° 2	6° 410	



SOUTHAMPTON.—AUGUST 1903.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge,  $9\frac{1}{2}$  inches.  
Long.  $0^{\circ} 6' E$ . Lat.  $52^{\circ} 13' N$ . Gravity Correction,  $+0.019$  in.

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. at Station Level.		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 Pressure.		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.	61°	60°	51°	72°	3°	2°	in.	in.	%	%	SW	4	SW	3	10	1	ins.	Cloudy day.
2	29°93	29°87	61°	60°	51°	72°	3°	2°	438	447	81	87	SW	4	SW	3	10	1	—	Cloudy day.
3	87	76	62°	60°	53°	69°	5°	3°	410	415	71	80	SW	5	SW	3	9	10	457	Cloudy day. 9p.
4	56	80	63°	58°	54°	69°	4°	3°	428	393	73	81	NW	3	SW	2	8	2	—	Fine day.
5	76	29°80	64°	60°	48°	71°	3°	6°	479	390	80	75	SW	5	SW	3	8	3	—	Cloudy day.
6	29°90	30°00	62°	55°	50°	66°	5°	2°	388	353	69	81	SW	5	W	2	9	8	—	Cloudy day.
7	30°12	10	61°	54°	48°	67°	5°	3°	361	329	68	77	W	3	W	3	10	0	—	Cloudy day.
8	30°10	30°01	61°	57°	45°	72°	4°	8°	394	382	73	79	SW	1	Calm	0	10	0	—	Continuous sunshine.
9	29°83	29°63	69°	65°	47°	77°	7°	4°	456	465	63	74	S	3	SW	3	8	10	—	Fine day.
10	69	64	63°	58°	51°	72°	7°	1°	374	423	63	87	SW	5	SW	3	8	8	067	Fine day. in afternoon.
11	59	78	61°	54°	53°	67°	5°	4°	379	346	70	81	SW	4	SW	3	7	9	241	T. showers during day.
12	84	71	60°	55°	45°	65°	9°	0°	281	424	52	98	SW	1	E	2	3	10	390	Cloudy day. in afternoon.
13	77	85	62°	58°	52°	70°	3°	5°	444	413	80	84	N	3	Calm	0	7	10	—	Cloudy day.
14	86	76	65°	58°	49°	72°	7°	2°	390	420	63	86	W	1	Calm	0	8	10	010	Clear sunny day. ∞ n.
15	39	16	62°	60°	53°	70°	5°	1°	513	476	90	90	SSE	1	S	6	10	2	044	Cloudy day. <
16	11	40	61°	56°	55°	64°	5°	3°	378	367	68	81	SSW	7	SW	8	10	2	—	(gale) all day.
17	65	75	60°	55°	51°	67°	6°	2°	332	355	64	82	SW	6	SW	1	5	8	440	Fine day.
18	56	68	62°	58°	52°	69°	1°	1°	500	439	89	90	NW	1	Calm	0	6	10	160	Cloudy day.
19	30	56	60°	54°	53°	63°	2°	1°	450	381	87	91	W	4	Calm	0	8	10	—	Cloudy day.
20	61	77	58°	53°	47°	66°	3°	2°	385	342	80	85	Calm	0	Calm	0	9	10	—	Cloudy day. ∞ 9p.
21	67	32	59°	61°	50°	61°	4°	1°	385	496	75	93	SW	3	SW	6	10	10	232	Overcast, with .
22	51	69	56°	51°	50°	66°	1°	1°	403	325	87	85	W	3	Calm	0	5	0	—	Sunny day.
23	79	80	62°	54°	42°	70°	8°	0°	332	354	58	83	SW	1	Calm	0	0	5	—	Fine day.
24	77	68	61°	56°	43°	63°	9°	2°	282	400	52	86	SE	1	Calm	0	6	3	130	∞ a. Cloudy day.
25	69	29°54	65°	55°	46°	61°	6°	5°	424	297	96	68	ESE	1	SW	1	10	10	862	all day. K. 2.
26	29°67	30°06	58°	48°	47°	61°	1°	0°	436	324	90	95	NW	3	Calm	0	10	0	030	Overcast day.
27	30°12	30°06	61°	58°	44°	64°	4°	3°	402	397	76	82	SW	2	SW	4	6	10	—	Cloudy day.
28	29°98	29°92	64°	57°	54°	70°	6°	0°	407	452	67	94	SW	5	SW	2	5	10	046	during day.
29	90	78	61°	60°	51°	68°	4°	3°	419	420	77	81	SW	4	SW	2	10	10	135	Cloudy day. 9p.
30	29°77	99	61°	54°	53°	67°	4°	5°	28	400	351	75	WhyS6	Cal	0	4	1	—	—	Dull a. Bright day.
31	30°04	29°83	60°	61°	48°	65°	3°	1°	415	490	80	92	SSW	1	S	4	10	10	—	Overcast day.
32	29°92	30°03	61°	57°	56°	69°	5°	2°	367	394	68	83	W	4	EbyN	1	6	2	—	Fine day.
Mean	29°751	29°765	61°	57°	50°	68°	4°	2°	402	395	73°	84°	3°	2°	7°	6°	3°	244		

WOOLACOMBE.—AUGUST 1903.

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	29° 98	29° 99	60° 9	59° 3	58° 2	63° 0	0° 7	1° 5	'511	'457	95	90	SW	3	W	3	10	7	'02	Fog on hill tops 9 a.m.
2	'95	'79	61° 3	59° 3	57° 6	64° 6	2° 7	2° 4	'454	'425	83	85	SW	3	SW	3	6	9	'02	
3	'78	'91	60° 7	59° 5	58° 0	63° 6	2° 3	1° 3	'456	'465	85	91	NW	4	W	2	1	7	—	
4	29° 88	29° 95	61° 5	59° 1	59° 0	63° 2	0° 7	1° 9	'522	'441	95	88	SW	4	SW	4	10	1	—	☁ early morning. D 9p.
5	30° 03	30° 15	60° 7	59° 5	58° 4	63° 8	2° 3	2° 8	'456	'421	85	83	W	4	W	4	8	0	—	
6	'21	30° 17	60° 3	57° 7	56° 2	63° 0	4° 4	2° 4	'389	'404	74	85	W	3	W	3	4	1	—	
7	30° 08	29° 95	63° 1	57° 5	52° 6	67° 0	5° 5	3° 2	'401	'379	69	81	SE	2	E	4	6	1	—	D p.
8	29° 71	'70	66° 7	60° 3	56° 2	71° 0	4° 5	2° 3	'492	'449	75	85	SE	4	SW	4	8	6	'03	
9	'70	'63	63° 9	56° 5	56° 2	65° 6	2° 5	0° 8	'505	'433	84	94	SW	4	SW	3	8	10	'20	
10	'72	'84	58° 7	58° 7	55° 8	63° 2	2° 2	2° 4	'425	'419	86	85	NW	4	SW	3	9	3	'01	Visibility all day. Visibility early morning. T 3p. ☽ 5.30 p. / (force 7) 2a.-3a.
11	'79	'75	58° 7	59° 3	52° 0	61° 8	2° 2	3° 4	'425	'401	86	80	SE	3	W	3	9	8	'02	
12	'86	'90	60° 7	55° 7	55° 2	64° 0	2° 9	1° 4	'437	'403	82	90	W	3	NE	1	6	2	—	
13	'89	'66	62° 5	57° 5	52° 0	67° 0	4° 1	3° 4	'431	'374	76	80	SW	1	SE	4	2	7	'31	T 3p. ☽ 5.30 p. / (force 7) 2a.-3a.
14	'18	'08	64° 3	58° 9	57° 2	67° 2	2° 7	2° 2	'507	'428	84	86	SE	4	SW	4	9	8	'64	
15	'37	'57	58° 7	58° 5	56° 2	61° 2	3° 0	2° 8	'403	'406	82	83	W	6	W	6	9	5	—	
16	'82	'72	59° 9	55° 7	55° 2	61° 4	3° 6	1° 0	'406	'415	78	93	W	5	SE	4	6	9	'35	Visibility p. D 9p.
17	'63	'61	58° 5	54° 5	54° 2	61° 6	1° 8	0° 8	'434	'403	88	94	NW	4	SE	4	9	10	'21	
18	'59	'56	58° 3	57° 7	54° 0	62° 6	1° 6	2° 0	'437	'416	89	87	W	4	NW	4	7	1	—	
19	'75	'81	58° 7	54° 9	54° 4	62° 2	3° 4	1° 2	'391	'396	80	92	NW	4	SW	4	4	7	'09	D p. ☁ 6a.
20	'63	'40	58° 3	56° 1	54° 4	62° 6	3° 0	1° 0	'397	'421	82	93	S	4	NW	3	10	10	'23	
21	'61	'76	56° 9	56° 7	51° 4	61° 0	5° 0	4° 0	'337	'348	70	75	NW	3	NW	2	2	1	—	
22	'81	'82	59° 9	51° 7	51° 7	62° 8	5° 6	2° 6	'353	'317	68	82	SW	3	E	2	5	1	—	D p. ☁ 6a.
23	'68	'70	61° 7	51° 7	50° 0	65° 0	7° 2	1° 6	'339	'342	62	89	SE	4	SE	3	5	1	'69	
24	'42	29° 56	55° 1	54° 9	50° 2	63° 4	1° 6	1° 4	'388	'389	89	90	NE	4	NW	5	9	10	'22	D p. ☁ 6a.
25	29° 94	30° 16	58° 9	56° 7	54° 9	63° 6	4° 2	3° 4	'374	'389	75	84	NW	4	NW	2	6	1	—	
26	30° 17	30° 14	59° 3	60° 1	51° 6	61° 6	3° 0	2° 7	'412	'433	82	83	SW	3	SW	4	9	10	—	
27	30° 00	29° 97	61° 7	58° 7	57° 6	63° 2	3° 9	2° 0	'424	'431	77	87	SW	4	SW	4	8	5	'18	D p. ☁ 6a.
28	29° 96	29° 80	60° 1	60° 7	58° 0	66° 2	2° 7	0° 9	'433	'500	83	93	SW	3	SW	4	9	10	'14	
29	29° 94	30° 08	58° 7	58° 7	58° 0	62° 6	3° 8	2° 6	'381	'415	77	84	W	4	W	3	5	1	—	
30	30° 01	29° 91	59° 3	60° 9	56° 4	62° 4	1° 5	1° 1	'457	'496	90	93	SE	4	SW	5	10	10	'18	D 9p.
31	29° 99	29° 96	60° 5	60° 3	58° 0	63° 8	2° 9	1° 3	'434	'479	82	92	W	3	E	2	3	4	—	
Mean	29° 806	29° 807	60° 3	57° 6	55° 2	63° 7	3° 1	2° 0	'426	'416	81° 1	87° 0	3° 6		3° 4	6° 8	5° 4	3° 54		

Note:—The observations at Churchstoke were discontinued after June 1903.

## PLYMOUTH.—AUGUST 1903.

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

1	29° 96'	29° 97'	60° 6'	58° 0'	54° 9'	67-8	0° 2'	1° 1'	° 523	° 448	98	92	WSW 2	WNW 1	10	8	° 02	Cloudy till afternoon, then bright.
2	° 92'	° 79'	62° 0'	59° 5'	55° 7'	65° 3'	2° 2'	0° 8'	° 481	° 474	87	95	Calm 0	SW 4	4	10	° 14	Fine day. ☉ p.
3	° 75'	° 89'	64° 8'	58° 3'	57° 9'	65° 9'	1° 0'	1° 5'	° 500	° 441	94	90	NW 5	Calm 0	3	3	° 01	Fine day.
4	29° 87'	29° 93'	61° 0'	57° 6'	57° 1'	66° 1'	0° 5'	2° 5'	° 520	° 401	97	84	W 4	W 1	10	1	—	☁ a. Overcast till afternoon.
5	30° 00'	30° 13'	63° 0'	56° 8'	53° 9'	66° 0'	5° 5'	1° 9'	° 401	° 405	70	87	W 5	NW 2	6	0	—	Fine day.
6	° 16'	30° 13'	62° 5'	56° 9'	50° 1'	65° 8'	5° 4'	2° 1'	° 396	° 400	70	87	NW 1	Calm 0	4	7	—	Beautifully fine.
7	30° 06'	29° 94'	62° 6'	58° 0'	53° 5'	67° 1'	5° 5'	2° 0'	° 395	° 421	70	87	SSW 2	E 4	2	6	—	Brilliant sunshine all day.
8	29° 71'	° 68'	64° 6'	61° 4'	54° 9'	67° 4'	4° 2'	3° 5'	° 405	° 432	77	80	SE 5	SW 3	8	3	—	Fine day.
9	° 70'	° 62'	63° 4'	55° 6'	54° 9'	64° 7'	3° 5'	0° 7'	° 466	° 423	80	95	SW 5	WSW 3	4	10	° 15	Fine till late afternoon, then ☉.
10	° 64'	° 82'	57° 2'	57° 1'	54° 9'	64° 9'	1° 0'	2° 6'	° 437	° 390	93	83	WSW 6	Calm 0	8	4	° 03	☉ showers a., then fine.
11	° 72'	° 67'	56° 2'	57° 9'	50° 5'	62° 2'	1° 7'	2° 5'	° 402	° 406	89	84	ESE 4	Calm 0	10	7	° 28	☉ most of day. Fine p.
12	° 81'	° 84'	58° 7'	55° 8'	50° 9'	64° 7'	2° 4'	1° 1'	° 420	° 414	85	93	Calm 0	SW 4	9	2	—	Cloudy till noon, then bright.
13	° 85'	° 65'	63° 0'	58° 0'	47° 3'	65° 5'	5° 7'	2° 1'	° 395	° 418	69	86	SSW 7	SE 6	4	9	° 51	☉ (gale). Fine bright day.
14	° 20'	° 11'	62° 2'	58° 3'	56° 9'	63° 6'	3° 3'	0° 4'	° 514	° 474	92	97	SSW 7	SW 4	6	9	° 12	☉ (gale). Overcast till noon.
15	° 26'	° 60'	58° 2'	56° 3'	55° 1'	63° 9'	3° 0'	4° 3'	° 396	° 336	81	73	Calm 0	W 6	8	6	° 01	☉ (gale). Fine day.
16	° 77'	° 68'	60° 7'	57° 7'	53° 7'	61° 2'	4° 5'	0° 7'	° 393	° 455	74	95	WSW 4	SSW 4	4	7	° 10	☉ Sunny a. ☉ 2 n.
17	° 57'	° 67'	61° 1'	57° 7'	55° 9'	62° 9'	4° 0'	0° 7'	° 412	° 455	77	95	W 6	S 4	3	10	° 24	Fine day. Steady ☉ p.
18	° 55'	° 55'	60° 0'	56° 5'	55° 8'	64° 0'	3° 6'	1° 1'	° 406	° 424	78	93	NW 4	W 1	8	3	° 02	Cloudy, with ☉ showers.
19	° 68'	° 80'	60° 8'	57° 2'	53° 1'	65° 1'	5° 4'	1° 4'	° 370	° 426	70	91	NW 3	WSW 3	4	8	° 04	Fine day. ☉ 2 showers p.
20	° 64'	° 39'	58° 2'	60° 0'	54° 0'	60° 2'	1° 0'	2° 2'	° 421	° 511	87	99	SW 6	SW 6	10	10	° 24	☉ all day.
21	° 56'	° 74'	59° 0'	54° 3'	50° 5'	62° 5'	2° 6'	2° 1'	° 364	° 363	73	85	NNW 3	Calm 0	7	0	—	Fine day.
22	° 77'	° 77'	59° 7'	64° 3'	43-3	63° 9'	3° 3'	4° 2'	° 411	° 412	80	76	Calm 0	SSE 3	2	8	—	Fine all day.
23	° 66'	° 66'	61° 4'	55° 4'	43-3	61° 9'	4° 2'	1° 5'	° 412	° 396	76	90	SE 5	SW 2	6	1	° 99	Cloudy day, with 3 hours steady ☉.
24	° 36'	29° 58'	60° 1'	54° 2'	51° 9'	62° 9'	2° 1'	1° 3'	° 452	° 383	87	91	SSW 7	WNW 5	6	10	° 06	☉ a. ☉ (gale). ☉ showers p.
25	29° 85'	30° 13'	59° 8'	55° 0'	53° 4'	64° 5'	4° 7'	1° 3'	° 374	° 395	73	91	N 6	Calm 0	4	0	—	Bright sunshine all day.
26	30° 14'	30° 13'	59° 0'	59° 4'	47° 9'	61° 5'	1° 8'	1° 1'	° 442	° 471	89	94	SW 1	SW 4	9	10	° 01	Overcast, with ☉ 0 showers.
27	30° 02'	29° 94'	59° 9'	56° 4'	55° 9'	61° 9'	1° 3'	0° 5'	° 474	° 440	93	97	SW 4	NW 2	6	6	° 22	Cloudy day. ☉ p.
28	29° 05'	29° 81'	59° 7'	60° 0'	53° 9'	61° 7'	0° 9'	0° 2'	° 483	° 511	95	99	SW 4	WSW 5	7	10	° 16	Cloudy and unsettled.
29	29° 89'	30° 07'	60° 6'	55° 2'	55° 0'	65° 1'	5° 5'	1° 0'	° 365	° 407	70	93	NW 5	Calm 0	3	0	° 03	Fine all day.
30	30° 04'	29° 93'	58° 0'	59° 1'	53° 9'	62° 0'	0° 5'	0° 2'	° 467	° 496	97	98	SW 5	W 4	10	10	° 06	Overcast all day.
31	29° 96'	29° 93'	62° 6'	59° 5'	57° 4'	66° 0'	3° 9'	0° 2'	° 439	° 493	78	99	W 2	SE 2	4	10	—	Bright till 3 p., then ☁.
Mean	29° 774	29° 791	60° 7	57° 5	53° 1	64° 1	3° 1	1° 5	° 435	° 430	82° 2	90° 3	3° 8	2° 7	6° 2	6° 2	3° 77	



## ARMAGH.—AUGUST 1903.

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. at Station Level.		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 Pressure.		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.	61.1	55.0	53.9	66.0	1.8	3.7	in.	in.	%	%	WNW <sub>1</sub>	W <sub>1</sub>	10	10	ins.	
2	29.69	29.75	57.1	56.4	49.0	61.3	4.5	1.0	343	425	73	94	SW <sub>2</sub>	SSW <sub>1</sub>	10	10	.443	
3	29.66	29.73	58.0	52.3	51.0	63.9	3.0	3.5	393	302	81	77	W <sub>2</sub>	WNW <sub>2</sub>	3	2	.045	
4	29.51	29.58	59.8	54.6	52.1	64.9	6.2	3.6	337	329	66	77	WSW <sub>3</sub>	W <sub>1</sub>	4	10	.032	
5	29.44	29.51	59.8	54.6	52.1	64.9	6.2	3.6	337	329	66	77	WSW <sub>3</sub>	WSW <sub>1</sub>	10	2	—	
6	29.71	29.78	56.6	55.3	52.4	64.0	2.5	4.0	386	330	84	75	WSW <sub>2</sub>	SW <sub>1</sub>	8	0	.003	Fine day.
7	29.88	29.94	58.1	51.2	49.0	64.9	4.5	3.7	356	286	73	76	WSW <sub>3</sub>	S	1	3	10	—
8	29.79	29.86	57.6	58.0	46.9	64.0	4.9	1.5	339	436	72	90	SW <sub>1</sub>	S	1	3	10	—
9	29.39	29.46	59.4	57.6	56.5	67.0	3.3	3.0	405	388	81	82	S	S	3	10	10	.220
10	29.18	29.23	57.5	55.0	54.5	62.4	2.0	4.0	414	325	87	75	SW <sub>4</sub>	WSW <sub>1</sub>	10	10	10	.230
11	29.41	29.48	52.4	50.8	50.0	63.7	1.7	3.0	348	296	89	80	SW <sub>3</sub>	NW <sub>0.5</sub>	10	8	0	.030
12	29.58	29.60	56.8	50.1	46.9	63.0	4.1	5.7	348	233	75	64	SW <sub>1</sub>	NNW <sub>0.5</sub>	9	4	0	.007
13	29.64	29.64	56.6	50.8	43.2	64.0	3.8	3.2	352	292	77	79	SW <sub>1</sub>	S	1	0	8	.160
14	29.65	29.66	56.6	54.6	46.9	60.7	3.0	1.2	373	392	81	92	SSW <sub>1</sub>	SSE <sub>2</sub>	2	8	10	.360
15	28.89	28.84	56.6	55.3	53.0	66.2	0.6	2.0	440	380	96	87	R <sub>3</sub>	SE <sub>3</sub>	3	10	10	.268
16	29.13	29.13	56.4	52.1	52.1	63.0	0.7	3.5	434	300	96	77	WNW <sub>1</sub>	WSW <sub>2</sub>	2	10	9	.200
17	29.43	29.47	59.0	52.6	50.8	64.1	5.4	5.2	344	269	69	68	W <sub>1</sub>	SW <sub>0.5</sub>	9	10	10	.010
18	29.52	29.44	58.2	54.0	47.2	64.2	5.6	3.4	330	324	68	78	N <sub>0.5</sub>	S	3	3	10	.090
19	29.37	29.40	54.6	50.8	50.8	58.1	2.0	0.8	370	351	87	94	SSE <sub>0.5</sub>	ENE <sub>0.5</sub>	10	9	10	.145
20	29.47	29.43	54.0	49.3	45.8	61.2	3.0	1.1	334	323	80	92	SW <sub>2</sub>	SW <sub>2</sub>	2	7	10	.137
21	29.29	29.20	54.3	49.6	47.2	63.0	3.7	3.2	322	278	77	79	SW <sub>3</sub>	W <sub>2</sub>	9	3	—	
22	29.36	29.51	55.0	50.3	44.0	63.3	3.5	3.0	337	290	78	80	NW <sub>1</sub>	W <sub>1</sub>	1	8	4	.065
23	29.57	29.59	54.1	50.4	44.0	61.0	3.0	2.8	336	296	80	82	SW <sub>1</sub>	S	1	3	4	.125
24	29.57	29.51	58.6	50.4	42.3	61.8	5.0	5.6	350	238	71	65	SE <sub>3</sub>	ENE <sub>1</sub>	1	9	3	.260
25	29.53	29.66	54.4	48.6	48.6	59.2	0.8	2.6	401	280	95	82	ENE <sub>0.5</sub>	Calm <sub>0</sub>	0	10	9	—
26	29.86	29.92	56.0	54.6	44.3	65.0	5.2	4.0	313	319	69	76	NNW <sub>0.5</sub>	W <sub>0.5</sub>	9	10	10	.215
27	29.72	29.61	54.4	60.3	51.9	62.9	0.8	1.5	401	475	95	91	SSW <sub>3</sub>	SSW <sub>4</sub>	4	10	10	.120
28	29.50	29.54	60.4	55.0	55.0	65.0	4.9	4.0	378	340	72	75	SW <sub>4</sub>	SW <sub>3</sub>	9	8	0	.035
29	29.56	29.49	55.6	49.8	49.8	57.0	1.0	1.2	414	328	93	91	SW <sub>3</sub>	SW <sub>1</sub>	1	10	2	.340
30	29.63	29.86	57.1	47.4	47.4	63.2	4.7	2.6	336	267	72	83	W <sub>1</sub>	W <sub>1</sub>	1	9	7	.277
31	29.65	29.25	50.6	56.3	44.0	66.5	0.6	5.0	353	320	96	70	SE <sub>3</sub>	SW <sub>6</sub>	4	10	9	.053
32	29.75	29.75	57.6	52.1	47.2	63.6	5.0	1.0	336	363	71	93	W <sub>1</sub>	SSE <sub>2</sub>	2	2	10	.250
Mean	29.515	29.512	56.6	53.0	49.0	63.2	3.3	3.0	368	326	80.4	80.7	1.9	1.6	7.8	7.5	4.120	

## MARKREE CASTLE.—AUGUST 1903.

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	29.85	29.87	59.2	54.2	54.2	61.8	3.8	1.9	389	366	77	87	NW <sub>2</sub>	Calm <sub>0</sub>	5	10	—	Cloudy, with ☉ showers.
2	29.86	29.88	57.7	57.1	45.4	59.8	2.3	2.2	409	401	85	85	SSW <sub>3</sub>	WNW <sub>2</sub>	10	10	.22	☉ showers till evening.
3	29.87	29.89	58.1	58.1	52.8	62.9	4.1	2.2	366	417	75	85	NNW <sub>1</sub>	S <sub>2</sub>	2	10	.05	
4	29.88	29.90	59.8	55.0	55.0	64.2	6.1	2.0	340	375	67	87	SW <sub>3</sub>	S <sub>1</sub>	6	7	—	Squally ☉ showers.
5	29.89	29.91	59.0	51.8	51.8	61.7	5.0	2.0	354	333	71	87	SW <sub>4</sub>	S <sub>1</sub>	6	2	.17	☉ showers.
6	29.90	29.92	58.2	51.9	49.4	62.4	4.2	1.9	364	336	75	87	NW <sub>3</sub>	Calm <sub>0</sub>	7	3	—	Fine afternoon.
7	29.91	29.93	57.5	60.5	38.3	63.4	4.0	1.5	359	477	76	91	SSE <sub>2</sub>	ESE <sub>3</sub>	5	10	.02	☉ a. Gloomy.
8	29.92	29.94	57.3	57.2	57.2	66.0	2.8	1.1	459	436	83	92	SSE <sub>4</sub>	S <sub>3</sub>	5	10	.31	Squally ☉ showers. ☉
9	29.93	29.95	57.0	54.7	54.4	60.3	0.1	0.8	462	406	99	95	S <sub>4</sub>	NW <sub>4</sub>	10	10	.22	☉ most of day.
10	29.94	29.96	55.0	50.3	49.9	60.0	3.0	1.0	349	339	81	93	NW <sub>1</sub>	Calm <sub>0</sub>	7	7	.04	☉ ☉ showers.
11	29.95	29.97	56.1	49.0	39.9	62.3	2.5	0.5	380	335	84	97	S <sub>1</sub>	Calm <sub>0</sub>	7	2	.23	☉ ☉ a. ☉ showers.
12	29.96	29.98	60.4	52.0	38.0	63.2	3.7	1.5	410	348	78	90	SE <sub>1</sub>	Calm <sub>0</sub>	6	10	.13	Gloomy, with ☉ showers p.
13	29.97	29.99	57.9	56.1	41.8	60.7	3.1	1.2	390	415	81	91	SE <sub>1</sub>	S <sub>2</sub>	8	10	.30	☉ showers.
14	29.98	29.99	55.5	55.8	52.9	67.8	1.1	0.8	409	422	93	94	ESE <sub>4</sub>	S <sub>1</sub>	10	10	2.04	☉ a. and p. ☉ all day.
15	29.99	29.99	54.0	52.9	51.8	56.3	0.1	2.5	415	333	99	84	NW <sub>5</sub>	W <sub>4</sub>	10	7	.08	☉ all day.
16	29.99	29.99	57.0	52.7	50.5	60.9	5.1	1.2	325	365	70	92	W <sub>2</sub>	Calm <sub>0</sub>	6	10	.01	☉ showers a. Gloomy p.
17	29.99	29.99	59.8	54.6	49.3	62.9	4.8	1.7	371	72	89	89	Calm <sub>0</sub>	SSW <sub>1</sub>	7	10	.38	☉ showers.
18	29.99	29.99	51.9	52.9	51.9	60.2	0.6	2.4	370	336	96	85	SE <sub>1</sub>	NW <sub>1</sub>	10	6	.03	☉ a. Fine afternoon.
19	29.99	29.99	57.2	49.5	43.0	60.6	4.2	1.5	349	315	74	89	SW <sub>2</sub>	SW <sub>1</sub>	7	4	.29	☉ showers.
20	29.99	29.99	57.5	51.0	46.2	63.4	4.2	2.2	354	318	74	85	SW <sub>3</sub>	Calm <sub>0</sub>	7	3	.05	☉ a. ☉ showers.
21	29.99	29.99	57.5	48.0	42.9	59.4	4.7	1.0	341	309	72	93	N <sub>2</sub>	Calm <sub>0</sub>	5	3	.03	☉ showers a. Fine afternoon.
22	29.99	29.99	57.1	49.0	38.5	63.5	4.9	1.1	331	320	71	92	SW <sub>1</sub>	Calm <sub>0</sub>	6	3	—	Fine day.
23	29.99	29.99	57.0	51.9	42.5	59.4	3.5	1.9	364	336	78	87	SE <sub>2</sub>	Calm <sub>0</sub>	9	8	.13	Gloomy, with ☉ showers.
24	29.99	29.99	56.1	47.9	47.9	63.4	3.2	0.6	362	318	79	96	SE <sub>1</sub>	Calm <sub>0</sub>	8	0	.39	☉ ☉ showers. ☉ (mist) p.
25	29.99	29.99	55.7	60.2	52.4	65.1	0.9	0.5	419	505	95	97	SE <sub>1</sub>	Calm <sub>0</sub>	7	10	.25	Fine day.
26	29.99	29.99	55.7	54.9	54.9	64.2	4.2	1.0	390	403	75	94	SW <sub>5</sub>	SW <sub>3</sub>	5	2	.12	Overcast, with squally ☉.
27	29.99	29.99	55.5	52.0	50.2	57.9	1.1	1.5	409	348	93	90	S <sub>2</sub>	Calm <sub>0</sub>	10	7	.11	Squally ☉ showers.
28	29.99	29.99	57.0	47.9	46.9	59.5	4.0	0.9	351	310	75	94	NW <sub>3</sub>	Calm <sub>0</sub>	5	7	.42	Fine day.
29	29.99	29.99	51.7	54.3	47.3	64.1	0.8	3.1	362	336	94	79	ESE <sub>6</sub>	SE <sub>1</sub>	10	10	.22	Gloomy. ☉ p.
31	29.99	29.99	55.7	51.8	49.9	60.5	4.0	0.9	336	361	75	93	W <sub>1</sub>	SW <sub>6</sub>	6	10	.70	☉
Mean	29.906	29.900	57.1	53.2	48.0	62.0	3.3	1.5	374	366	80.1	89.9	2.5	1.3	7.5	7.1	7.58	

## DUBLIN (PHOENIX PARK).—AUGUST 1903.

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. at Station Level.		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 Pressure.		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	29.78	29.84	61.2	53.6	51.3	64.8	2.9	0.4	.446	.400	83	97	W	1	Calm	0	7	9	.104	Cloudy day. ☉ showers 5p.-8p.
2	77	46	59.7	58.0	48.2	61.9	5.1	0.8	.363	.457	70	94	SW	1	SW	2	6	9	.165	Cloudy, with ☉ showers.
3	60	69	58.4	57.7	49.9	63.7	4.5	2.5	.360	.403	74	84	W	1	Calm	0	6	7	.008	Cloudy day. ☉ showers.
4	59	72	62.2	57.4	54.8	64.8	5.9	3.3	.378	.376	68	80	W	3	W	1	7	8	—	Fine day.
5	29.82	29.99	59.5	53.7	48.9	64.6	5.0	3.1	.362	.329	71	80	W	1	W	1	4	3	.025	Fine day.
6	30.00	30.02	58.7	53.1	46.9	64.2	5.1	2.5	.349	.336	70	83	W	2	Calm	0	6	1	.048	Fine day.
7	29.95	29.74	60.0	60.5	38.8	61.5	5.5	2.5	.357	.446	69	85	Calm	0	SSW	1	4	9	.020	☉ showers a. Cloudy day.
8	48	31	62.0	58.9	55.5	67.6	5.2	4.1	.394	.376	71	75	S	2	SW	3	8	7	—	Cloudy day.
9	36	38	58.6	55.6	52.4	65.7	5.6	3.2	.335	.354	68	79	SW	3	SW	1	7	4	—	
10	51	66	57.0	47.3	44.3	62.5	4.5	0.5	.339	.314	73	97	W	1	Calm	0	9	3	.115	Fine day. ☉ 3.30p.-4p.
11	67	66	59.1	53.4	39.9	63.1	6.3	1.2	.325	.374	65	91	Calm	0	Calm	0	5	4	.210	Fine day. ☉ 2 showers 2p.-4p.
12	72	73	57.7	53.8	43.6	64.2	4.4	1.7	.353	.366	74	88	W	1	Calm	0	3	7	.025	Fine day. ☉ showers p.
13	29.74	29.53	59.7	55.6	38.8	63.1	5.2	0.5	.360	.428	70	97	Calm	0	SE	1	7	10	.553	Cloudy day. ☉ p.
14	28.92	28.67	59.7	56.4	51.2	67.8	0.3	1.8	.502	.402	98	89	E	1	SE	1	8	10	.038	☉ a. and p. Cloudy day.
15	28.82	29.29	54.0	53.5	50.5	57.6	1.2	2.1	.382	.351	92	86	W	3	W	2	10	7	.070	☉ showers a. Dull day.
16	29.54	53	56.8	53.1	46.9	62.9	5.2	1.3	.321	.368	69	91	W	2	Calm	0	5	9	.150	Fine day. ☉ 1.30p.-2p.
17	59	51	57.4	53.4	46.0	62.0	4.2	0.3	.352	.401	74	98	N	1	Calm	0	7	10	.803	Cloudy day. ☉ 7p.-11p.
18	43	44	56.0	51.7	47.3	62.9	2.5	0.2	.378	.379	84	99	Calm	0	Calm	0	6	4	.240	☉ till 3a. ☉ 2 p.
19	56	55	55.0	52.4	41.3	62.9	3.4	2.8	.339	.321	79	82	W	1	SW	1	4	8	.085	
20	42	29	53.5	53.6	46.9	59.7	3.3	2.4	.321	.344	78	83	SW	1	Calm	0	9	8	—	Cloudy day.
21	46	60	55.5	46.9	41.2	61.3	3.7	0.8	.340	.301	77	95	W	1	Calm	0	3	7	.008	☉ showers a. Fine day.
22	64	66	57.1	50.6	40.7	63.6	5.5	1.3	.317	.335	68	91	SW	1	Calm	0	3	5	.015	Fine day.
23	61	54	55.6	52.5	43.2	59.8	1.4	0.9	.402	.370	90	93	ESE	1	E	1	9	10	.060	
24	54	29.68	57.7	51.9	41.3	58.6	3.3	1.3	.381	.352	79	91	NE	1	N	1	7	4	.225	☉ 3p.-4.30p.
25	91	30.01	55.9	52.8	43.2	63.8	2.7	2.2	.372	.341	83	85	Calm	0	Calm	0	8	3	.035	Cloudy, with ☉ showers.
26	87	29.76	56.1	61.8	63.5	2.2	2.0	.387	.485	85	88	SW	2	SW	2	10	7	.230	Cloudy, with ☉ showers.	
27	62	68	60.5	55.9	52.9	65.0	1.8	3.1	.468	.362	80	81	SW	2	WSW	2	10	3	.018	
28	68	58	58.5	55.9	51.0	61.0	2.9	0.4	.403	.435	82	98	SW	2	WSW	1	9	10	.080	Cloudy, with ☉ showers.
29	74	93	57.7	50.9	47.6	63.5	4.1	2.6	.361	.308	76	83	W	1	Calm	0	5	6	.240	Fine day.
30	72	47	52.1	58.6	45.0	70.1	0.2	5.0	.384	.350	98	71	SE	1	WSW	5	10	7	—	☉ 3a.-9a. Cloudy day.
31	29.85	29.80	55.7	52.4	47.1	60.2	4.0	1.5	.336	.353	75	90	W	1	ESE	1	5	9	.165	Cloudy day. ☉ 4p.-7.30p.
Mean	29.610	29.603	57.7	54.3	46.6	63.2	3.8	1.9	.370	.372	77.5	87.9	1.2	0.9	6.7	6.7	3.735			



DEERNESS.—SEPTEMBER 1903.

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. at Station Level.		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 Pressure.		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°0	52°2	45°0	56°6	1°4	4°2	in.	in.	%	%	ESE	6	SW	7	10	1	ins.
2	29°72	29°51	48°0	52°2	45°0	56°6	1°4	4°2	299	285	90	73	ESE	6	SW	7	10	1	from 8a. (gale) from noon.
3	76	57	54°0	50°2	49°0	57°8	4°4	0°2	301	358	72	99	SW	3	E	1	10	10	9a. from 6p.
4	51	64	52°0	50°6	44°8	55°8	2°5	3°0	323	293	83	80	S	2	SW	3	7	10	Cloudy, with showers 4p.
5	76	65	52°0	53°2	46°0	55°3	1°0	1°5	361	363	93	90	SE	4	SE	4	10	9	Cloudy day.
6	30	50	54°2	49°0	49°0	55°8	0°2	2°0	415	298	99	86	SE	6	SSW	2	10	0	α. Very fine p.
7	63	70	53°5	48°2	48°0	57°0	3°0	3°0	329	265	80	79	SSW	4	SW	2	6	0	showers p.
8	63	37	52°6	50°2	46°0	54°0	3°4	1°0	308	337	77	93	S	5	SW	5	8	10	from noon. Boisterous.
9	44	32	53°4	48°2	46°0	55°3	4°3	0°7	317	320	78	96	SW	4	WSW	1	6	9	Lumpy black clouds.
10	30	37	50°8	45°3	43°5	51°0	2°8	1°3	301	272	81	90	N	3	NW	2	8	10	showers.
11	30	15	47°3	46°0	42°8	52°0	2°3	1°0	271	287	84	93	WNW	6	WNW	2	7	9	showers all day.
12	11	23	47°8	47°4	43°8	51°2	3°7	1°4	247	293	75	90	NNW	5	N	5	4	4	showers from noon.
13	30	39	48°0	47°0	42°7	48°3	3°0	1°8	263	280	79	87	NNW	6	N	5	6	4	showers from noon.
14	29°65	29°99	50°0	43°3	41°3	50°8	3°5	3°3	276	212	77	76	N	6	NNW	4	6	9	Cold, with showers.
15	30°24	30°32	47°3	40°0	41°2	51°0	3°9	4°8	238	218	73	68	NNW	2	Calm	0	9	1	Fine day.
16	30	28	52°7	50°0	43°0	54°3	3°7	2°0	302	309	76	86	S	3	SSE	4	1	1	Fine day.
17	30°20	30°20	49°6	50°2	47°0	52°4	2°9	1°8	284	317	81	89	SE	4	ESE	3	9	8	Fine and breezy.
18	29°94	30°04	52°6	51°8	49°0	54°3	0°6	1°6	380	343	96	88	SE	5	SSE	5	8	0	∞ a.
19	30°11	30°11	54°2	50°2	49°5	55°8	2°2	0°6	358	348	85	96	SSE	6	SE	5	2	0	Fine day. ∞
20	19	26	53°3	52°2	48°0	54°0	0°3	1°0	398	363	98	93	ESE	3	SE	4	10	10	all day.
21	26	23	55°7	52°2	50°2	56°3	2°4	1°6	376	348	85	89	ESE	4	E	4	0	0	Fine and bracing.
22	17	12	55°2	52°2	50°5	55°8	1°6	0°9	390	366	90	94	SE	5	ESE	4	4	0	Fine and bracing.
23	08	07	55°0	52°2	51°2	56°3	1°7	1°1	383	361	89	93	ESE	4	SE	6	2	1	Thin scud. Strong breeze.
24	06	07	53°8	52°0	50°2	54°6	0°8	0°0	391	388	94	100	SE	4	SSE	4	10	10	all day.
25	30°03	29°96	52°8	52°2	50°8	53°1	0°3	0°2	392	385	98	99	S	3	SSE	1	10	10	α. β. p.
26	29°93	29°94	54°3	49°3	48°5	57°5	0°3	0°3	413	344	98	98	SSE	1	SSE	1	3	10	Thin scud α. β. F.
27	94	86	51°0	50°5	47°5	52°5	0°2	0°0	369	388	99	100	S	2	SE	3	10	10	all day.
28	66	55	52°0	52°0	47°0	52°8	0°0	0°0	388	388	100	100	SE	3	S	2	10	10	all day.
29	56	54	54°0	52°4	48°5	56°1	0°8	1°2	394	360	94	91	S	2	SSE	4	0	0	Fine and breezy.
30	48	46	52°2	52°4	50°0	55°8	0°2	0°2	385	388	99	98	SE	6	SE	4	10	10	all day.
31	29°45	29°50	54°5	51°0	48°0	56°3	0°8	1°0	402	348	95	93	S	3	SSE	1	4	3	Fine day.
Mean	29°764	29°759	52°1	50°0	46°9	54°4	1°9	1°4	342	327	87°3	90°2	4°0		3°3	6°7	5°6	2°475	

## DUNROBIN CASTLE.—SEPTEMBER 1903.

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° 8'3	29° 8'5	50° 0	51° 0	42° 0	60° 5	1° 0	3° 0	'334	'299	93	80	SE	E	—	—	'30	Dull, with ☉.
2	'93	'75	54° 0	51° 0	44° 0	58° 0	1° 0	3° 0	'310	'323	74	86	NE	—	—	—	'34	Dull, with ☉ p.
3	'65	'89	53° 0	49° 0	42° 0	59° 0	2° 0	3° 0	'347	'276	86	79	SE	W	—	—	—	Fine a.
4	'91	'66	54° 0	55° 0	39° 0	58° 5	3° 0	3° 0	'334	'349	80	81	S	E	—	—	'03	Fine a. Dull p.
5	'40	'76	60° 0	50° 0	45° 0	60° 0	4° 0	2° 0	'395	'309	76	86	SW	SE	—	—	'19	☉ <sup>2</sup> showers p.
6	'76	'97	56° 0	48° 0	42° 0	61° 5	4° 0	2° 0	'340	'285	75	86	SW	N	—	—	'04	Sunny day.
7	'82	'63	51° 0	51° 0	39° 0	58° 0	2° 0	1° 0	'323	'348	86	93	SW	W	—	—	—	Dull and breezy.
8	'65	'48	52° 0	49° 0	42° 0	60° 0	2° 0	1° 0	'335	'322	86	93	NW	W	—	—	'13	Dull, with ☉ <sup>0</sup> showers.
9	'42	'62	50° 0	44° 0	40° 0	54° 0	2° 0	1° 0	'309	'265	86	92	NW	NW	—	—	'35	Fine a. ☉ showers.
10	'55	'37	51° 0	42° 0	38° 0	57° 0	3° 0	1° 0	'299	'245	80	92	NW	NW	—	—	'50	Fine and breezy.
11	'39	'47	47° 0	47° 0	40° 0	52° 0	3° 0	2° 0	'253	'275	79	86	W	NW	—	—	'08	☉ showers.
12	'51	'29	46° 0	45° 0	38° 0	55° 0	2° 0	2° 0	'265	'253	86	85	N	NW	—	—	—	Dull day.
13	29° 9'7	30° 2'3	50° 4	44° 0	36° 0	54° 0	4° 0	2° 0	'265	'244	74	84	SE	S	—	—	—	
14	30° 4'2	'49	51° 0	43° 0	32° 0	54° 5	5° 0	2° 0	'255	'234	68	84	NW	N	—	—	—	Fine and clear.
15	'48	'43	47° 0	50° 0	34° 0	56° 0	2° 0	3° 0	'275	'286	86	80	SE	SE	—	—	—	Fine day.
16	'32	'20	51° 0	50° 0	42° 0	52° 0	2° 0	2° 0	'323	'309	86	86	SE	SE	—	—	—	Fine, but chilly.
17	'07	'18	51° 0	54° 0	44° 0	58° 0	1° 0	3° 0	'448	'334	93	80	SE	SE	—	—	—	Fine, but cool.
18	'22	'27	55° 0	53° 0	48° 0	61° 0	2° 5	1° 0	'362	'374	84	93	SE	SE	—	—	—	Fine day.
19	'30	'38	55° 0	53° 0	44° 0	67° 0	1° 0	1° 0	'403	'374	93	93	SE	E	—	—	—	☉ <sup>0</sup> (mist).
20	'36	'31	53° 0	53° 2	47° 5	67° 0	1° 0	1° 2	'374	'371	93	92	E	E	—	—	—	Fine day.
21	'26	'20	54° 0	54° 0	49° 0	68° 2	0° 5	1° 0	'403	'388	97	92	SE	E	—	—	—	Dull and breezy.
22	'15	'18	55° 0	55° 0	48° 0	68° 0	1° 0	2° 0	'403	'375	93	87	SE	E	—	—	—	Fine, with ☉.
23	'19	'20	56° 0	55° 0	50° 0	60° 0	2° 0	1° 0	'391	'403	87	93	SE	E	—	—	'15	Fine and sunny.
24	'16	'11	55° 0	52° 0	50° 0	61° 0	1° 0	1° 0	'403	'393	93	93	NE	E	—	—	—	Dull day.
25	30° 1'1	30° 0'7	57° 0	51° 0	50° 0	60° 0	3° 0	1° 0	'377	'348	81	93	SW	E	—	—	—	Fine, sunny, and warm.
26	29° 8'9	29° 8'7	51° 5	50° 0	47° 0	64° 0	1° 5	1° 0	'341	'334	89	93	S	S	—	—	—	☉ <sup>2</sup>
27	'79	'72	54° 0	52° 0	48° 0	59° 0	0° 5	1° 0	'403	'361	97	93	SE	E	—	—	—	☉ <sup>2</sup> a. Clear p.
28	'71	'65	57° 0	55° 0	45° 0	60° 0	3° 0	2° 0	'377	'375	81	87	SE	SE	—	—	'12	Fine, clear, and sunny.
29	'61	'60	56° 0	55° 0	52° 0	58° 0	1° 0	3° 0	'419	'349	93	81	SE	SE	—	—	'03	☉ showers a.
30	29° 6'0	29° 6'5	56° 0	54° 0	48° 0	61° 0	3° 0	2° 0	'365	'360	81	86	S	S	—	—	'05	Fair and mild.
Mean	29° 9'14	29° 9'26	52° 9	50° 5	43° 5	59° 4	2° 2	1° 8	'344	'324	85° 2	87° 7	—	—	—	—	2° 31	

BRAEMAR.—SEPTEMBER 1903.

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. at Station Level.		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 Pressure.		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° 1'	49° 9'	43° 0'	60° 7'	2° 2'	4° 1'	2° 62'	2° 63'	84	73	E	2	SW	2	10	1	ins.	
2	28° 58'	28° 66'	48° 1'	49° 9'	43° 0'	60° 7'	2° 2'	4° 1'	2° 62'	2° 63'	84	73	E	2	SW	2	10	1	28° 58'	
3	52'	75'	51° 9'	49° 43'	43° 3'	57° 0'	3° 1'	4° 3'	3° 08'	2° 27'	80	71	SW	4	SE	1	8	1	52'	
4	78'	63'	51° 7'	55° 0'	47° 8'	57° 0'	2° 5'	3° 2'	3° 19'	3° 44'	83	80	SW	2	SE	4	8	9	78'	
5	28° 60'	58° 9'	50° 0'	48° 8'	59° 2'	2° 8'	3° 3'	4° 11'	2° 80'	83	78	S	6	SW	1	8	7	12	28° 60'	
6	56'	82'	53° 3'	47° 0'	45° 2'	58° 3'	5° 8'	3° 2'	2° 64'	2° 49'	65	78	SW	6	SW	0° 5'	8	6	56'	
7	70'	53'	48° 6'	49° 8'	42° 4'	52° 8'	3° 3'	3° 3'	2° 65'	2° 78'	77	79	SW	4	SW	6	8	8	70'	
8	54'	31'	50° 6'	49° 4'	46° 2'	52° 4'	3° 4'	1° 9'	2° 85'	3° 05'	77	88	SW	2	SW	0° 5'	8	10	54'	
9	27'	46'	46° 48'	44° 3'	40° 0'	51° 4'	3° 3'	3° 8'	2° 46'	2° 13'	78	72	SW	4	SW	4	5	8	27'	
10	43'	17'	45° 9'	42° 6'	40° 7'	49° 0'	5° 1'	1° 1'	2° 05'	2° 49'	66	91	SW	2	NW	1	6	9	43'	
11	16'	23'	43° 2'	42° 7'	39° 3'	48° 8'	5° 5'	1° 2'	2° 26'	2° 48'	81	90	NW	0° 5'	NW	1	8	10	16'	
12	35'	41'	44° 7'	42° 6'	40° 4'	50° 2'	2° 9'	2° 8'	2° 33'	2° 15'	79	80	NW	2	NW	0° 5'	7	10	35'	
13	28° 64'	28° 98'	44° 6'	41° 3'	40° 0'	49° 2'	1° 8'	2° 8'	2° 54'	2° 04'	86	79	N	0° 5'	N	0° 5'	10	5	28° 64'	
14	29° 20'	29° 31'	44° 6'	37° 7'	37° 0'	51° 2'	4° 4'	1° 3'	2° 04'	2° 01'	69	89	NE	1	NE	0° 5'	2	0	29° 20'	
15	30'	29° 25'	33° 8'	42° 8'	27° 0'	61° 0'	1° 3'	1° 9'	1° 14'	2° 35'	91	85	NE	0° 5'	SE	0° 5'	0	—	30'	
16	29° 13'	28° 98'	38° 4'	43° 6'	29° 0'	52° 8'	1° 2'	2° 1'	2° 08'	2° 39'	90	84	NE	0° 5'	SE	0° 5'	7	4	29° 13'	
17	28° 91'	29° 02'	46° 9'	48° 9'	41° 5'	56° 3'	1° 4'	2° 4'	2° 88'	2° 89'	91	84	NE	0° 5'	SW	0° 5'	10	8	28° 91'	
18	29° 09'	29° 09'	41° 1'	51° 6'	43° 5'	43° 2'	60° 8'	3° 9'	2° 0'	2° 86'	2° 40'	75	84	SW	1	SE	0° 5'	7	0	29° 09'
19	09'	16'	51° 7'	50° 3'	36° 8'	56° 2'	0° 9'	0° 1'	3° 60'	3° 63'	94	99	SE	0° 5'	E	0° 5'	10	10	09'	
20	12'	10'	53° 3'	50° 6'	48° 3'	61° 0'	2° 4'	2° 3'	3° 31'	3° 11'	83	84	E	6	E	2	3	3	12'	
21	29° 06'	29° 00'	53° 4'	49° 6'	48° 0'	60° 2'	2° 2'	2° 8'	3° 34'	3° 18'	85	82	E	2	E	4	8	0	29° 06'	
22	28° 96'	28° 98'	52° 3'	51° 6'	47° 8'	57° 0'	2° 6'	3° 6'	3° 00'	3° 22'	76	76	NE	6	NE	0° 5'	7	8	28° 96'	
23	29° 01'	29° 07'	52° 8'	52° 4'	47° 3'	65° 7'	2° 0'	1° 1'	3° 46'	3° 63'	87	92	SE	0° 5'	SE	0° 5'	7	5	29° 01'	
24	29° 03'	28° 97'	56° 8'	51° 2'	50° 2'	63° 1'	2° 3'	0° 9'	3° 39'	3° 53'	85	94	S	2	SW	0° 5'	8	3	29° 03'	
25	28° 94'	93'	47° 6'	53° 8'	46° 6'	63° 1'	1° 1'	1° 3'	3° 03'	3° 78'	93	91	S	0° 5'	S	0° 5'	6	10	28° 94'	
26	97'	88'	49° 6'	49° 4'	43° 5'	63° 2'	1° 0'	1° 7'	3° 30'	3° 10'	93	89	S	0° 5'	S	0° 5'	10	3	97'	
27	65'	60'	53° 6'	52° 4'	40° 4'	58° 1'	2° 4'	2° 7'	3° 44'	3° 24'	83	82	S	4	S	0° 5'	7	2	27° 65'	
28	58'	56'	51° 9'	54° 3'	43° 7'	59° 1'	2° 6'	2° 5'	3° 19'	3° 52'	83	83	S	0° 5'	S	0° 5'	8	8	28° 58'	
29	50'	49'	56° 1'	52° 6'	51° 4'	57° 0'	1° 6'	3° 4'	4° 04'	3° 08'	89	77	SE	0° 5'	S	0° 5'	9	8	29° 50'	
30	28° 49'	28° 49'	53° 9'	51° 6'	48° 5'	56° 0'	3° 0'	1° 1'	3° 34'	3° 53'	80	93	S	0° 5'	SW	0° 5'	9	9	30° 28° 49'	
Mean	28° 75.8	28° 76.5	49° 6	48° 2	42° 9	56° 7	2° 6	2° 3	2° 39.6	2° 28.5	82° 2	83° 8	2° 1		1° 2	7° 3	5° 8	2° 6.5		

LAUDALE.—SEPTEMBER 1903.

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° 57'	29° 52'	54° 4	55° 0	47° 8	61° 3	0° 6	1° 2	*397	*397	97	92	S	5	10	9	1° 30	☉ showers in evening.	
2	° 86	° 62	55° 0	55° 0	43° 0	61° 2	2° 0	0° 8	*409	*409	87	94	S	2	W	3	8	9	☉ showers all day.
3	° 69	° 87	55° 4	58° 0	47° 0	61° 0	2° 4	2° 0	*371	*421	85	87	W	3	W	2	10	7	☉ Stormy, with ☉ p.
4	° 85	° 64	56° 4	60° 7	46° 0	62° 2	2° 1	2° 7	*393	*443	87	84	S	3	S	4	10	7	☉ Stormy, with ☉ showers a.
5	° 37	° 72	57° 7	57° 2	45° 0	61° 7	1° 7	1° 4	*425	*426	89	91	W	4	W	2	10	5	☉ showers.
6	° 85	° 98	55° 0	52° 6	50° 7	59° 9	1° 0	2° 7	*403	*326	93	81	W	2	W	4	7	9	☉ from 8a.
7	° 81	° 71	52° 0	53° 3	49° 6	57° 3	2° 0	1° 3	*335	*370	86	91	SW	5	W	5	10	10	☉ Cold, ☉ showers.
8	° 73	° 43	52° 1	51° 0	49° 0	59° 9	1° 4	0° 3	*352	*366	90	98	W	3	NW	2	9	7	☉ Cold, ☉ showers.
9	° 54	° 72	48° 0	49° 2	45° 0	56° 3	1° 0	4° 2	*399	*253	93	72	NW	4	NW	3	8	6	☉ Cold, ☉ showers.
10	° 67	° 36	48° 0	47° 0	45° 0	52° 0	2° 0	1° 0	*285	*298	86	93	WNW	3	W	2	10	10	☉ Cold, with ☉ showers.
11	° 39	° 61	50° 0	47° 3	43° 0	55° 0	3° 0	1° 3	*286	*294	80	91	NW	3	NW	3	4	6	☉ Cold, with ☉ showers.
12	° 60	29° 61	49° 0	44° 0	44° 0	54° 0	2° 0	2° 0	*298	*244	86	84	NW	3	N	2	4	5	☉ Cold and unsettled.
13	29° 58	30° 42	49° 0	44° 0	43° 0	34° 0	57° 3	2° 0	*244	*234	84	82	N	3	N	2	0	—	☉ a. Fine, dry, and cold.
14	30° 42	° 19	47° 0	43° 0	43° 0	60° 2	4° 0	1° 0	*233	*255	73	92	Calm	0	NE	1	0	0	☉ a. Fine, dry, and cold.
15	° 49	° 44	53° 2	48° 7	42° 0	58° 3	3° 2	2° 7	*320	*279	79	81	E	4	Calm	0	0	0	☉ Dry and cold.
16	° 39	° 20	54° 5	48° 2	40° 2	61° 5	3° 8	3° 1	*323	*263	76	79	Calm	0	S	2	0	7	☉ Fine a. Dull p.
17	° 10	° 19	49° 9	55° 2	42° 7	61° 3	5° 9	2° 2	*227	*373	63	86	E	4	E	4	2	0	☉ Fine and dry, with ☉.
18	° 17	° 26	60° 2	60° 0	45° 9	66° 3	5° 2	6° 0	*367	*344	70	66	S	4	S	5	3	2	☉ Fine and dry, with ☉.
19	° 18	° 21	62° 0	61° 3	53° 0	64° 9	7° 0	4° 0	*347	*416	62	77	E	2	ESE	4	2	0	☉ Fine and dry, with ☉.
20	° 22	° 13	61° 0	58° 4	50° 2	66° 8	6° 0	4° 4	*358	*362	67	74	ESE	5	E	7	0	2	☉ Clear and dry, with ☉ (gale).
21	° 10	° 11	60° 7	60° 2	50° 0	66° 3	5° 7	4° 2	*361	*393	68	75	E	5	E	5	2	2	☉ Clear and dry, with ☉ (gale).
22	° 12	° 12	60° 0	57° 8	53° 4	64° 2	3° 8	3° 7	*401	*372	77	78	SE	3	ESE	4	7	9	☉ Cloudy and dry. ☉
23	° 17	° 17	60° 2	62° 3	52° 3	64° 0	2° 7	3° 3	*435	*452	84	80	S	2	SSE	2	9	6	☉ Cloudy day. ☉ showers n.
24	° 11	° 07	58° 4	58° 4	54° 4	64° 3	3° 3	3° 3	*391	*391	80	80	S	3	SE	2	9	2	☉ Dry, with ☉.
25	° 07	° 07	55° 7	58° 4	54° 0	63° 0	1° 9	2° 4	*399	*415	88	85	Calm	0	SE	2	5	10	☉ Dull and sultry. ☉
26	30° 09	30° 00	57° 0	56° 3	46° 3	66° 5	2° 0	1° 9	*405	*398	87	87	SE	3	S	3	10	8	☉ Dull and sultry. ☉
27	29° 72	29° 68	58° 5	56° 0	54° 3	62° 2	2° 2	2° 0	*423	*391	86	87	S	2	S	3	9	7	☉ ☉ showers n. Dull day,
28	° 70	° 60	57° 0	61° 0	54° 8	63° 3	3° 0	4° 0	*377	*410	81	77	S	4	S	4	9	10	☉ Dark and stormy. ☉ showers.
29	° 51	° 56	60° 7	58° 0	57° 0	64° 7	2° 7	3° 3	*443	*385	84	80	SE	3	SE	6	7	9	☉ Stormy, with ☉ showers.
30	29° 57	29° 59	58° 0	57° 3	54° 0	59° 8	2° 3	2° 3	*413	*401	85	85	S	3	W	3	8	9	☉ ☉ showers.
Mean	29° 89.8	29° 89.9	55° 1	54° 5	47° 6	61° 2	2° 9	2° 6	*357	*359	81° 8	83° 7	3° 0		3° 2	6° 1	5° 8	7° 33	



## DUNDEE.—SEPTEMBER 1903.

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

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	51.6	52.6	47.8	63.6	0.1	0	in.	in.	%	%	SE	8	SW	10	0	ins.	
2	29.59	29.72	51.6	52.6	47.8	63.6	0.1	0	380	316	100	79	SE	1	E	10	0	● till 10a.    till 5p.	
3	81	50	53.5	49.4	43.4	57.7	1.4	3.1	370	340	90	96	SE	1	E	10	10	● from 1p.	
4	59	79	56.2	50.6	47.0	59.9	1.6	2.3	405	311	90	84	SW	2	W	1	5	● showers till 1p.	
5	83	63	56.6	55.6	44.8	63.4	1.8	1.4	405	402	88	90	SE	2	SE	2	10	Cloudy day.	
6	32	64	58.1	52.8	51.6	62.7	0.4	1.9	471	348	97	87	SE	1	W	2	10	● showers till noon.	
7	77	86	57.3	50.6	48.0	63.9	3.6	1.5	366	330	78	90	SW	1	SW	1	7	Cloud and sunshine.	
8	78	86	50.6	50.9	43.2	56.5	1.6	1.5	327	335	89	90	SW	2	SW	6	10	● showers.	
9	60	32	50.6	51.6	49.6	60.1	2.2	1.4	313	345	85	90	SW	1	SE	1	10	● from 6p.	
10	31	50	51.6	47.2	44.6	57.2	3.2	3.2	302	251	78	78	NW	4	NW	4	5	● n. Cloudy day.	
11	50	16	51.3	44.2	43.0	54.8	5.2	0.7	254	275	68	95	NW	2	NW	1	7	● from 4.30p.	
12	19	25	48.4	46.8	39.9	56.0	3.4	2.6	260	259	77	81	NW	2	NW	2	5	Cloudy day.	
13	38	29.43	51.0	44.1	42.3	56.6	6.5	1.8	227	249	61	85	NW	4	NW	1	5	● n. Cloudy day.	
14	29.63	30.00	50.8	43.1	35.7	56.3	3.6	2.6	283	224	76	80	N	6	N	1	5	● 11.30a.	
15	30.25	37	47.6	42.1	36.0	55.7	3.9	1.6	242	234	73	88	N	2	NE	1	7	Cloud and sunshine.	
16	38	32	43.3	44.6	34.2	60.5	0.6	0.3	267	287	96	97	SE	1	SE	1	5	Dull day.	
17	30.19	00	45.8	46.2	36.3	51.8	0.5	1.7	297	274	96	89	SW	1	SE	1	10	Dull a. and p.	
18	29.98	08	50.3	48.4	44.9	61.4	2.1	0.7	311	323	85	95	S	1	SE	1	10	Fine day.	
19	30.17	16	53.6	50.1	45.9	61.0	1.3	0.6	275	347	91	96	SE	1	SE	1	5	● showers.	
20	12	18	54.1	52.5	46.4	54.9	0.1	0.3	416	387	99	97	E	2	SE	2	10	Cloud and sunshine.	
21	17	13	56.0	53.6	51.6	61.3	1.0	0.9	449	386	93	94	SE	4	SE	4	5	Cloudy day.	
22	30.09	02	56.4	53.8	51.5	60.8	1.3	1.3	416	378	92	91	SE	2	SE	2	10	Dull day.	
23	29.99	02	56.9	53.6	51.7	60.2	1.8	1.1	409	381	89	93	SE	4	SE	1	10	● n. ∞	
24	30.07	08	53.5	53.8	51.9	58.9	0.3	0.6	401	397	97	95	SE	1	SE	1	10	● n. and till 9a. ∞	
25	30.00	00	53.8	54.6	51.8	57.7	0.2	0.3	409	419	98	98	SE	1	NE	1	10	2	
26	29.97	29.96	53.0	53.6	52.1	56.0	0.0	0.1	403	410	100	100	E	1	S	1	10	10	
27	30.00	00	55.2	53.4	53.0	64.7	0.1	0.4	433	397	100	97	SW	1	SW	1	10	Dull till 11a. and from 2p.	
28	29.68	61	53.2	51.2	49.2	57.7	0.3	0.5	397	363	98	97	SE	2	SE	1	10	● showers 9a.-4p.	
29	63	56	54.1	53.8	44.2	63.0	0.6	0.6	402	397	96	95	SW	1	SE	1	5	Cloud and sunshine.	
30	45	50	54.6	53.2	51.7	56.7	0.1	0.1	425	404	100	100	SE	1	SW	1	10	● n. and 10a.-5p.	
31	29.53	29.56	55.6	54.0	49.7	62.0	0.7	0.6	423	400	95	96	SW	1	SW	1	5	Cloud and sunshine.    ● showers.	
Mean	29.800	29.794	52.8	53.4	46.1	59.1	1.6	1.2	357	339	89.2	91.4	2.1	1.7	8.0	7.3	2.36		

## GLASGOW.—SEPTEMBER 1903.

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°50	29°74	56°5	51°5	48°8	62°9	1°2	2°1	421	326	92	86	W	1	SW	1	10	2	10	10	● <sup>2</sup> early a. Cloudy day. Clear	
2	75	50	53°7	50°2	47°6	55°9	2°0	0°7	357	346	87	96	Calm	0	Calm	0	10	10	10	637	Overcast, with ● <sup>2</sup> . [evening]	
3	56	77	54°9	50°6	48°7	59°8	2°9	2°0	350	318	81	86	Calm	0	Calm	0	10	6	10	10	008	Cloudy, with ● showers. [shower
4	76	52	56°7	58°3	50°1	62°0	3°2	2°0	368	426	80	87	S	1	Calm	0	10	10	10	10	040	● <sup>2</sup> a. Cloudy day. ● 8p.-10p. [4p.
5	27	64	57°8	53°3	52°4	60°8	0°9	2°8	452	331	94	81	SW	1	SW	3	10	10	10	10	405	● <sup>2</sup> a. Fine day. ● shower p.
6	76	87	54°5	49°3	49°3	59°7	3°8	2°0	323	301	76	86	W	1	SW	1	6	2	10	10	068	Fine day. ● <sup>2</sup> showers 3p.-4p. ∞ <sup>0</sup>
7	75	62	53°2	51°9	47°1	56°5	2°9	2°1	328	331	81	87	SW	2	SW	2	10	10	10	10	078	Overcast, with ● <sup>2</sup> showers [(mist).
8	61	21	54°5	52°4	49°6	56°7	4°0	0°4	318	322	75	97	W	1	Calm	0	9	10	10	10	485	● <sup>2</sup> a. Cloudy day. ● from 5p.
9	36	57	51°4	47°1	46°6	54°3	3°9	3°1	284	252	75	78	W	1	Calm	0	10	0	10	10	053	● till 1a. ● showers 10a. and 3p.
10	51	13	48°5	45°4	45°0	51°6	2°9	1°2	272	276	80	92	NW	1	NE	1	10	10	10	10	380	Overcast day. ● 11.30a.-10p.
11	21	26	49°4	46°8	41°1	55°4	3°9	3°2	262	248	74	78	NW	1	W	1	10	8	10	10	—	Fine day.
12	39	42	49°8	44°4	43°9	55°2	4°8	2°3	247	242	69	83	Calm	0	Calm	0	3	2	10	10	—	Fine day.
13	29°67	29°99	50°1	47°2	38°9	56°1	5°0	4°3	246	229	68	71	NW	1	E	1	6	4	10	10	—	Fine day.
14	30°25	30°36	46°7	45°4	36°7	54°0	4°9	2°1	214	256	68	85	E	1	Calm	0	3	7	10	10	—	Fine day. ∞ n.
15	36	30°28	40°4	46°5	36°0	56°9	1°5	1°2	220	283	88	91	Calm	0	Calm	0	5	0	10	10	—	∞ <sup>0</sup> (mist). Fine and clear. ∞
16	30°15	29°96	40°6	45°9	37°1	52°1	0°4	2°1	244	263	97	86	Calm	0	Calm	0	10	5	10	10	—	∞ <sup>0</sup> (mist). a. Cloudy day.
17	29°93	30°02	45°9	54°2	37°4	57°3	1°6	4°5	273	301	89	72	Calm	0	SE	1	9	10	10	10	—	Cloudy, with ∞.
18	30°09	07	54°2	51°9	48°1	63°1	4°4	2°6	304	319	72	83	SE	1	E	1	5	0	10	10	—	∞ a. and n. Fine and clear.
19	03	08	54°2	53°0	48°0	60°7	4°4	0°7	409	383	98	95	SE	1	E	3	10	10	10	10	—	Dull day.
20	30°05	30°00	55°2	54°1	52°5	58°1	2°3	1°5	370	376	85	89	E	2	E	3	9	3	10	10	—	Cloudy day. ∞ <sup>0</sup> (mist).
21	29°92	29°86	57°4	53°2	52°9	61°7	2°9	2°4	387	340	82	84	E	3	E	3	8	3	10	10	—	Fine and clear.
22	29°84	29°92	55°6	53°7	52°1	59°8	3°3	1°9	352	360	79	88	E	2	E	1	9	6	10	10	—	Overcast day.
23	30°01	30°00	54°4	58°2	52°6	64°1	1°1	1°6	392	436	93	90	E	1	E	1	10	10	10	10	658	Dull day. ● showers 9p. and midt.
24	30°03	29°96	56°2	54°8	54°3	64°1	0°9	1°4	445	390	94	91	Calm	0	SW	1	8	4	10	10	—	● <sup>2</sup> early a. [4a. Cloudy day. ∞ n.
25	29°91	93	54°1	55°9	48°4	59°7	0°7	0°7	399	426	95	95	Calm	0	Calm	0	10	10	10	10	048	∞ <sup>0</sup> (mist) a. ● showers 11a. and
26	98	84	54°3	53°6	50°2	60°0	1°9	2°0	368	355	87	86	Calm	0	S	1	9	0	10	10	087	∞ <sup>0</sup> (mist) a. Dull day. ∞ p. [11p.
27	61	57	52°9	53°9	51°1	62°6	0°9	2°1	375	357	94	87	E	1	S	1	10	2	10	10	006	● a. Fine from 1p.
28	57	46	56°2	59°1	50°6	62°1	2°8	3°8	372	387	82	77	SE	1	SE	2	10	10	10	10	072	Cloudy day.
29	39	46	58°2	56°6	56°6	63°3	1°7	3°6	433	357	89	77	E	1	Calm	0	10	10	10	10	134	● a. and n. Cloudy day.
30	29°47	29°50	55°9	56°3	54°7	60°9	2°5	3°8	377	349	84	76	S	1	S	1	8	8	10	10	—	● early a. Cloudy day.
Mean	29°756	29°750	52°8	51°8	47°6	58°9	2°5	2°2	338	332	83°6	85°3	0°9	1°0	8°6	5°9	3°476					

## COCKLE PARK (NEAR MORPETH).—SEPTEMBER 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +.026 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	56°	54°	48°	69°0	2°	2°	in.	in.	%	%	SE	4	SW	3	7	0	ins.
1	29°50	29°63	56°0	54°0	48°0	69°0	2°0	2°0	391	360	87	86	SE	4	SW	3	7	0	220
2	'66	'57	52°0	49°0	48°0	54°0	0°0	0°0	388	348	100	100	NW	1	SW	2	10	10	720
3	'51	'68	59°0	50°0	46°0	65°0	5°0	3°0	354	286	71	80	SW	5	S	2	8	7	—
4	'71	'44	52°0	54°0	46°0	64°0	3°0	0°0	310	418	80	100	S	2	SE	3	7	9	036
5	'23	'54	59°0	51°0	50°0	65°0	1°0	3°0	467	299	94	80	S	4	SW	3	10	1	030
6	'66	'74	58°0	48°0	45°0	64°0	5°0	1°0	342	309	71	93	W	2	W	1	4	3	—
7	'71	'54	54°0	53°0	39°0	60°0	4°0	2°0	310	347	74	86	SW	3	SW	5	9	6	102
8	'51	'17	53°0	53°0	49°0	58°0	3°0	1°0	322	374	80	93	W	6	S	3	6	10	160
9	'17	29°37	54°0	45°0	43°0	57°0	5°0	2°0	288	253	69	85	NW	9	W	5	3	0	—
10	'39	28°01	50°0	44°0	41°0	52°0	4°0	0°0	265	288	74	100	NW	6	NE	3	8	10	417
11	'01	29°08	49°0	41°0	40°0	54°0	4°0	2°0	255	215	73	84	NW	4	W	3	3	1	083
12	'18	'24	50°0	39°0	38°0	54°0	4°0	1°0	265	218	74	92	NW	4	NW	3	3	2	025
13	29°49	29°80	52°0	45°0	37°0	54°0	4°0	2°0	287	253	74	85	NW	4	NW	3	8	3	028
14	30°03	30°18	48°0	44°0	38°0	52°0	3°0	2°0	263	244	79	84	N	5	NW	3	6	3	023
15	30°22	30°15	51°0	42°0	36°0	54°0	4°0	2°0	276	225	74	85	NE	2	NW	2	6	0	—
16	29°98	29°76	49°0	47°0	37°0	55°0	3°0	1°0	276	298	79	93	NE	1	NW	3	10	10	010
17	29°83	'93	55°0	47°0	44°0	61°0	6°0	2°0	280	275	65	86	SW	1	S	2	2	0	—
18	30°01	'96	54°0	45°0	40°0	59°0	3°0	0°0	334	275	80	92	SE	2	NW	1	0	0	025
19	29°91	'94	54°0	52°0	44°0	55°0	0°0	0°0	418	388	100	100	SE	3	NE	2	10	10	015
20	'92	'90	57°0	53°0	48°0	59°0	2°0	0°0	405	403	87	100	SE	3	SE	3	9	10	—
21	'84	'90	55°0	52°0	50°0	59°0	1°0	1°0	403	361	93	93	SE	5	SE	4	9	10	—
22	'77	'81	54°0	52°0	50°0	57°0	2°0	0°0	360	388	86	100	SE	4	SE	3	9	10	020
23	'91	'93	55°0	51°0	50°0	65°0	1°0	0°0	403	374	93	100	S	3	Calmo	0	10	10	005
24	'90	'82	58°0	51°0	50°0	67°0	1°0	0°0	451	374	93	100	S	2	Calmo	0	10	4	—
25	'76	'73	55°0	52°0	49°0	57°0	0°0	0°0	433	388	100	100	Calmo	0	W	1	10	10	—
26	'84	'71	59°0	45°0	44°0	65°0	4°0	0°0	380	299	76	100	W	2	NW	1	1	8	—
27	'53	'48	56°0	48°0	44°0	58°0	1°0	1°0	419	399	93	93	SE	3	SW	2	10	2	096
28	'49	'41	55°0	54°0	44°0	63°0	3°0	1°0	349	388	81	93	S	3	S	2	8	0	020
29	'32	'37	58°0	56°0	51°0	61°0	1°0	0°0	451	449	93	100	SE	2	W	2	10	10	010
30	29°41	29°47	55°0	53°0	46°0	64°0	2°0	3°0	375	322	87	80	S	4	S	2	2	0	—
Mean	29°646	29°628	54°2	49°0	44°5	59°4	2°7	1°1	351	324	82°7	92°1	3°3		2°4	6°9	5°3	2°215	



## CRONKBORNE.—SEPTEMBER 1903.

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. at Station Level.		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 Pressure.		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 5-6	Calm 0		ins.		
2	29.67	29.85	57.5	54.0	52.0	64.0	0.1	1.3	.471	.380	99	91	ESE 2	WNW 2	10	2.40		
3	75	55	53.6	53.0	48.3	55.8	0.2	0.2	.406	.397	99	99	ESE 2	WNW 2	10	6.76		
4	69	85	58.2	55.6	50.2	61.7	1.9	0.6	.427	.425	88	96	SW 4-5	SW 3	4	8		
5	83	57	59.3	59.8	54.1	62.0	2.6	0.8	.423	.488	84	95	SE 3	SE 4-5	5	10		
6	46	77	58.2	50.6	50.6	60.2	2.9	0.6	.398	.353	82	96	W 5	NNW 2	6	4		
7	88	97	55.6	53.6	44.5	60.7	2.4	0.6	.375	.394	84	96	SW 3	WSW 2	4	—		
8	92	84	55.3	53.4	48.0	56.6	2.9	1.1	.356	.377	81	92	SW 5	WSW 3	4	4		
9	79	38	55.2	57.0	51.1	57.0	2.2	0.0	.373	.465	86	100	SW 3	SW 6-7	10	2.90		
10	66	06	50.7	44.0	43.2	52.0	1.5	0.0	.327	.343	78	95	W 6	WNW 5	7	10		
11	34	39	49.4	49.8	44.0	55.0	1.1	1.7	.325	.316	92	88	WNW 3	NW 4	8	8		
12	48	29.48	53.2	47.0	47.0	55.6	4.7	1.7	.286	.282	71	88	WNW 5	WNW 2	7	10		
13	29.70	30.04	54.2	44.5	36.5	58.7	4.5	1.0	.301	.271	72	92	N 2	N 2	3	3		
14	30.27	39	50.2	41.7	39.2	54.8	4.8	0.7	.251	.249	69	94	ENE 3	N 1	4	1		
15	40	34	53.2	40.0	38.4	56.8	4.9	0.5	.282	.237	70	96	SE 2	NNW 2	2	0		
16	17	00	50.0	39.4	35.6	55.0	0.6	0.2	.245	.237	96	99	W 1	NW 1	9	2		
17	00	06	54.3	55.4	38.1	58.6	2.8	1.4	.344	.398	81	91	SSE 3	SE 3	9	8		
18	11	06	56.4	57.0	52.3	61.0	2.1	1.8	.393	.411	87	88	SE 4	ESE 3	3	0		
19	30.00	30.00	57.8	57.8	50.8	60.2	0.8	1.3	.454	.440	94	92	E 4	ESE 5	10	10		
20	29.06	29.93	61.4	56.4	54.4	64.0	4.1	0.2	.415	.449	77	98	E 4	E 4	2	6		
21	83	81	60.6	56.4	56.0	64.6	2.4	0.8	.451	.431	85	95	E 5	ENE 5	1	7		
22	29.80	29.92	55.5	58.0	55.0	60.5	0.2	0.0	.435	.422	98	100	ESE 4	ENE 3	10	10		
23	30.04	30.06	56.8	60.4	55.4	61.7	0.0	0.7	.462	.502	100	96	ESE 2	SSE 3	3	10		
24	30.08	29.99	57.8	55.0	52.0	62.7	0.8	0.4	.454	.421	94	97	SE 1	NE 2	8	7		
25	29.93	30.01	57.3	52.0	52.0	60.0	0.0	0.1	.470	.385	100	99	Calm 0	Calm 0	10	1		
26	30.03	29.83	57.2	56.2	48.0	59.2	1.0	0.4	.436	.440	93	98	SSE 1	E 3	10	7		
27	66	66	57.2	54.4	54.3	60.7	0.2	0.2	.462	.418	99	98	SSE 2	SW 2	2	2		
28	62	46	57.7	57.8	54.0	59.4	1.4	0.2	.434	.472	91	98	SSE 2	SE 4	2	10		
29	46	51	58.4	58.0	55.2	61.3	1.1	1.2	.454	.445	93	92	S 3	S 3	4	10		
30	29.57	29.60	57.2	56.7	53.8	60.0	1.2	0.3	.431	.450	92	98	SSW 3	S 4	7	8		
Mean	29.822	29.803	55.8	52.8	48.5	59.3	2.0	0.7	.392	.388	87.5	95.2	3.2	3.0	6.8	6.4		

## STONYHURST.—SEPTEMBER 1903.

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	29.53	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	S 3	Calm 0	10	5	590	Fine day.
2	29.55	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	NE 1	WSW 2	10	10	430	Overcast, with ☁.
3	29.55	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	SSW 4	Calm 0	9	6	—	Squally ☁ a. Fine day.
4	29.68	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	S 2	E 1	8	10	040	☁ (mist) a., then dull.
5	29.72	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	SbyW 1	WhyS 1	9	0	070	Squally ☁ showers a., then fine.
6	29.69	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	SW 1	Calm 0	8	0	—	Fine, warm, and sunny.
7	29.79	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	585	Cloudy day.
8	29.59	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	1910	Overcast, with squally ☁.
9	29.30	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	330	Squally ☁ showers. ☁ p.
10	29.48	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	045	Fine a. and p. ☁ showers.
11	29.06	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	090	Fine day. ☁ showers p.
12	29.22	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	015	☁ (mist) a. Fine day.
13	29.44	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. Fine day.
14	29.00	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	Fine day.
15	29.18	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	Fine day. ☁ (mist) p.
16	29.05	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	Fine a., then dull. ☁ (mist).
17	29.84	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	Fine, sunny, and warm.
18	29.94	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. Cloudy day.
19	29.80	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	Fine day. Squally ☁.
20	29.77	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	Fine day. Squally ☁.
21	29.65	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	Overcast day. ☁ (mist).
22	29.62	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. Sunny. ☁ p.
23	29.88	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
24	29.88	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
25	29.71	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
26	29.84	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
27	29.51	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
28	29.47	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
29	29.29	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
30	29.42	29.65	61.0	55.0	51.8	66.0	3.0	1.6	439	386	82	89	WSW 3	WSW 2	8	10	—	☁ (mist) a. ☁ showers. ☁ (mist).
Mean	29.629	29.608	54.6	52.2	47.8	60.1	2.8	1.1	358	342	82.3	85.9	1.7	1.1	7.9	5.9	6.020	

## HILLINGTON.—SEPTEMBER 1903.

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. at Station Level.		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 Pressure.		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.	66.9	58.8	51.8	79.3	4.2	1.0	505	464	77	93	W 3	Calm 0	8	0	ins.	Very red sunrise. Beautiful day.
2	76	29.61	67.1	69.2	53.3	84.3	3.4	2.5	537	611	81	85	SW 2	SW 5	10	10	04	Beautiful day. ☁ 10p.
3	29.94	30.01	59.1	57.0	48.8	70.5	3.4	2.3	397	397	80	85	SW 3	SW 1	2	10	—	Very fine. Cloudy from 3p.
4	30.02	29.88	60.0	60.1	48.1	70.6	2.3	1.6	443	467	85	90	SE 2	SE 3	10	10	26	Sun and cloud. ☁ p.
5	29.69	29.89	63.3	57.1	57.1	69.3	2.5	1.3	494	412	84	91	SW 3	Calm 0	10	9	—	Cloudy day. Fine sunset. ☁
6	30.01	30.02	55.4	51.1	46.9	62.4	2.0	0.4	381	365	87	97	Calm 0	Calm 0	10	10	—	Overcast day. ☁
7	30.10	30.07	56.0	55.2	41.8	67.0	2.1	4.4	386	318	86	73	Calm 0	W 3	2	5	02	Delightful day.
8	29.98	29.78	58.2	58.0	53.9	63.6	1.7	1.6	433	433	88	89	SW 2	SW 5	10	10	79	Dull day. ☁ 6p. and n.
9	52	29.67	57.0	49.0	49.0	63.6	5.1	2.2	325	293	70	84	NW 5	NW 4	6	0	08	Very fine and pleasant. ☁ 0 p.
10	86	28.96	53.0	50.1	42.0	57.8	3.7	0.3	306	355	76	98	W 6	NW 5	6	10	1-29	Fine a., then dull. ☁ p.
11	22	29.39	48.1	46.8	46.1	57.7	2.3	2.1	280	271	83	84	W 5	NW 1	10	0	—	☁ early. Dull, then fine.
12	45	51	49.0	44.8	37.8	57.6	2.4	1.0	288	273	82	92	NW 3	Calm 0	8	0	02	Fine day. ☁ 2p. ☁ 8p.
13	29.65	29.88	48.1	49.7	35.9	53.4	1.3	1.1	304	328	90	92	NW 1	N 1	0	10	27	☁. Fine and sunny. ☁ 8p.
14	30.12	30.31	51.4	49.2	47.9	55.4	2.8	1.5	307	312	81	89	NE 5	NE 2	10	8	02	☁ 7p. and 9p.
15	37	32	51.1	50.8	42.8	54.6	3.5	1.8	288	325	77	88	NE 1	N 1	10	9	—	Dull and dreary.
16	19	03	54.0	48.1	41.1	56.5	3.2	2.2	331	290	79	84	N 2	Calm 0	10	5	—	Fine, then dull.
17	15	35	49.9	46.8	39.7	63.5	2.3	2.0	302	273	84	85	Calm 0	Calm 0	0	3	—	☁ a. Perfect day. ☁ p.
18	27	11	56.0	55.0	40.9	63.4	3.2	0.3	358	424	80	98	SE 1	ESE 1	0	10	02	Very fine. Wet ☁ (mist) p.
19	06	02	60.0	58.0	51.2	65.4	3.4	1.3	412	441	80	91	E 3	SE 1	1	0	—	Dull, then fine.
20	30.03	30.00	61.5	57.9	54.0	66.9	3.0	2.3	447	410	82	85	SE 5	SE 3	0	0	—	☁ a. Very fine. ☁ p.
21	29.94	29.90	61.4	57.7	54.7	67.3	3.9	3.0	419	388	77	82	SE 4	SE 5	0	0	—	☁ a. Very fine. ☁ p.
22	29.93	30.05	59.0	56.2	53.1	64.4	3.3	0.4	399	439	80	97	SE 3	Calm 0	9	8	04	☁. Fine a. ☁ 4p.-5p.
23	30.19	30.56	54.3	52.2	61.7	61.7	0.4	0.0	437	422	97	100	Calm 0	Calm 0	10	2	01	☁ (mist) early. Very damp.
24	30.27	30.08	58.8	53.8	69.5	69.5	0.3	0.2	441	489	98	99	S 1	Calm 0	10	10	38	☁ (mist) 9a. Very damp.
25	30.98	30.06	62.0	58.4	57.1	66.5	0.7	0.8	531	464	95	94	S 1	S 1	1	0	01	☁ 2a. ☁ 9a. ☁ (mist) p.
26	30.11	30.03	54.0	50.1	48.0	66.7	1.2	0.3	396	355	92	98	S 1	Calm 0	0	0	01	☁ early. Very fine. ☁ (mist) p.
27	29.85	29.79	61.0	58.9	49.1	64.5	3.1	0.4	436	483	81	97	S 3	Calm 0	10	6	07	Dull day. ☁ 5p. [p.
28	86	72	59.5	57.0	53.2	68.7	0.7	1.1	485	431	95	92	SW 1	SW 2	8	6	04	Fine and sunny. ☁ n.
29	66	67	62.0	62.0	56.8	70.9	1.4	0.3	507	545	91	98	SW 1	SW 2	10	10	48	Dull day. ☁ n.
30	29.81	29.87	58.1	53.1	48.0	68.5	1.0	1.6	453	360	93	89	S 2	Calm 0	4	0	—	Delightful day.
Mean	29.926	29.900	57.2	54.7	48.7	65.0	2.5	1.4	401	395	84.4	90.6	2.3	1.5	6.3	5.7	4.05	



## PLYMOUTH.—SEPTEMBER 1903.

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

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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°	61°	57°	65°	0°6	0°2	in.	in.	%	%	Calm	0	Calm	0	ins.				
2	29°87	29°90	60°	61°	58°	62°	0°7	1°7	498	530	96	99	E	5	NW	1	10	10	Cloudy day. Steady n.		
3	°65	°79	60°	60°	58°	62°	0°7	1°7	496	468	95	90	E	5	NW	1	10	10	Steady all day.		
4	°92	°99	62°	58°	53°	63°	1°7	0°4	499	473	89	98	SW	4	SSE	2	7	4	—		
5	°86	°67	62°	61°	55°	65°	2°6	0°2	452	530	79	99	SE	4	S	5	8	10	—		
6	°69	29°94	59°	53°	52°	65°	3°2	1°2	414	370	81	91	WSW	5	Calm	0	6	0	°41	Frequent showers.	
7	29°99	30°10	60°	54°	46°	64°	2°9	1°9	431	376	82	88	Calm	0	Calm	0	3	0	—	Fine day.	
8	30°17	30°12	59°	58°	45°	64°	3°2	1°0	408	461	81	94	Calm	0	W	5	3	9	—	Fine all day.	
9	30°09	29°85	59°	53°	58°	62°	1°1	1°0	470	490	93	94	WSW	3	WSW	6	10	10	°12	Dull day.	
10	29°77	°96	59°	57°	53°	60°	4°1	4°5	388	293	76	72	NNW	5	NW	4	9	2	°01	Fine day. Strong NW breeze.	
11	°96	°24	57°	54°	42°	58°	4°6	3°8	337	315	72	75	WSW	3	WNWs		8	8	°11	Cloudy day. (gale) from noon.	
12	°51	°54	54°	49°	49°	59°	3°9	1°5	320	320	76	89	NW	6	NW	2	7	4	°14	Fine day.	
13	°60	°64	54°	51°	45°	59°	4°0	3°3	310	295	74	78	NNW	2	WSW	3	5	10	°31	Fine day. n.	
14	29°60	29°97	51°	50°	45°	57°	3°3	3°8	295	278	78	75	ENE	3	NNE	4	8	3	—	Dull till noon, then fine.	
15	30°23	30°36	53°	48°	41°	59°	3°3	2°3	318	280	78	84	N	2	N	0	0	0	—	Fine all day.	
16	°38	°32	53°	51°	46°	55°	5°3	4°2	272	274	67	73	NNE	1	NNE	2	3	9	—	Cloudy day.	
17	°18	°09	52°	47°	47°	58°	5°3	1°5	263	289	67	90	NE	3	Calm	0	1	0	—	Continuous sunshine.	
18	°07	30°12	59°	53°	43°	61°	4°7	2°4	371	348	73	84	S	4	SE	4	6	0	—	Fine day.	
19	30°12	29°99	61°	53°	53°	63°	4°6	1°6	401	362	74	89	SE	5	E	4	0	0	—	Continuous sunshine.	
20	29°87	°82	56°	62°	51°	62°	2°1	3°2	392	450	86	81	E	4	E	4	10	0	—	Dull till noon, then bright.	
21	°69	°68	62°	61°	51°	62°	3°2	4°6	450	399	81	74	ESE	8	E	6	7	3	°43	showers till a. (°43 in. in 7 mins.)	
22	°61	°62	60°	59°	51°	61°	3°0	4°6	459	490	88	96	SE	6	SSE	4	10	10	°36	Frequent showers.	
23	29°73	29°97	61°	61°	56°	66°	1°8	1°4	488	493	89	92	SE	6	SSE	4	8	9	—	Fine day.	
24	30°06	30°10	62°	62°	59°	65°	3°0	0°6	471	505	83	97	SE	4	SSE	2	9	10	°05	Overcast all day.	
25	°11	°01	60°	58°	57°	63°	0°8	0°8	512	458	98	94	Calm	0	Calm	0	9	10	°58	showers till 3 p., then steady	
26	°05	30°11	57°	56°	53°	63°	2°1	0°1	407	453	86	99	W	1	Calm	0	9	7	—	Cloudy day.	
27	30°06	29°88	62°	60°	54°	66°	3°1	1°1	456	490	82	93	SE	5	S	6	3	10	°12	Bright sunshine all day. n.	
28	29°79	°78	59°	57°	56°	64°	0°7	0°4	492	458	96	97	SSW	3	S	2	10	10	—	Overcast a. Fine afternoon. afternoon and evening.	
29	°69	°53	61°	61°	56°	63°	1°6	0°4	489	529	90	97	SSE	5	SE	6	9	10	°54	°2 afternoon and evening.	
30	°55	°62	59°	58°	55°	62°	1°1	1°1	467	449	94	92	SSW	4	S	6	5	8	°09	Cloudy till noon, then showers.	
31	29°74	29°79	60°	59°	57°	62°	1°9	0°9	456	474	89	95	SSW	5	SSW	5	2	6	—	Fine all day.	
Mean	29°886	29°883	58°8	56°5	51°9	62°4	2°8	1°7	416	413	83°1	89°0	3°5		3°2		6°5	6°1	4°44		

ARMAGH.—SEPTEMBER 1903.

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°75	62°0	52°3	49°2	64°8	5°4	5°0	*388	*269	70	69	WSW 3	SSW 1	10	0	—
2	'67	'50	54°4	48°6	48°6	60°0	1°8	1°0	*373	'318	88	93	SSW 1	SE 0°5	10	8	'048 Overcast, with ● showers.
3	'59	'72	57°8	52°8	48°6	62°3	2°3	5°8	*410	'259	85	65	SW 3	SSW 1	5	10	'020
4	'65	'32	59°4	57°6	52°8	62°8	4°4	2°0	*376	'415	74	87	SSE 3	SSE 5	10	9	'227
5	'38	'66	56°1	50°0	50°0	62°4	5°5	5°6	*307	'234	68	65	WSW 2	SSW 2	8	0	—
6	'79	'89	56°0	49°6	47°5	62°9	3°5	3°0	*353	'282	78	80	SW 2	WSW 2	2	0	'048 Fine day.
7	'74	'73	53°6	52°4	46°5	60°0	3°2	3°9	*325	'295	78	75	SSW 4	SW 3	10	8	'083 Cloudy, with ● showers.
8	'69	'21	53°6	55°1	49°0	56°2	2°5	0°5	*342	'420	83	96	SW 2	SW 3	10	10	'763 Overcast, with ●.
9	'52	'75	53°8	47°0	46°2	58°0	2°8	2°6	*337	'262	81	82	WNW 2	W 1	3	0	'137
10	'55	'17	48°0	43°6	42°0	55°2	1°2	0°4	*304	'274	92	97	SW 2	NNW 1	10	10	1-160 Overcast, with ●.
11	'39	'41	50°6	41°8	41°8	55°0	3°0	2°4	*294	'217	80	82	NW 1	WSW 1	4	0	'055
12	'44	29°44	50°8	43°0	41°5	53°5	3°0	0°8	*296	'259	80	94	NW 1	W 0°5	5	10	'093
13	29°70	30°02	51°5	47°8	35°0	57°7	3°9	3°0	*285	'263	75	80	N 1	N 0°5	2	0	— Fine day.
14	30°23	'33	50°0	43°1	35°8	58°8	4°0	3°0	*265	'216	74	78	N 1	SSE 0°5	0	0	— Fine day.
15	'31	30°23	51°6	45°6	36°8	59°4	4°0	4°5	*284	'212	75	70	S 1	S 1	0	0	— Fine day.
16	30°09	29°88	52°3	49°4	34°9	58°0	2°7	3°2	*322	'276	82	78	S 3	SSE 3	2	10	—
17	29°81	'88	54°3	53°0	48°7	57°0	3°5	3°0	*327	'322	78	80	SSE 4	SSE 4	10	10	— Overcast all day.
18	'92	'93	55°4	52°6	52°6	62°0	2°4	4°5	*371	'283	85	72	SSE 4	ESE 2	10	0	—
19	'90	'92	52°6	52°2	48°2	61°7	1°3	2°8	*361	'318	91	81	NE 1	NE 1	10	9	—
20	'89	'77	55°8	56°1	52°0	64°0	2°2	3°0	*384	'367	86	81	NE 2	ENE 2	10	10	—
21	'66	'64	59°7	57°1	55°0	66°0	4°0	5°0	*391	'328	76	71	E 4	E 4	8	10	'007
22	'65	'77	56°1	57°2	54°9	63°2	1°0	2°6	*421	'392	93	84	E 2	ESE 2	10	8	'060 Very dark morning.
23	'87	'90	59°4	55°6	55°5	63°8	1°8	3°8	'450	'339	90	77	SE 4	S 2	10	7	—
24	'95	'90	57°5	52°8	52°8	66°5	2°9	1°2	'389	'336	82	91	SSE 3	SE 1	8	0	—
25	'87	'89	52°0	53°3	48°1	63°8	0°0	2°0	*388	'351	100	86	SSW 0°5	SE 2	4	4	—
26	'89	'64	59°0	55°7	53°3	61°9	3°4	1°8	'396	'393	80	88	SE 4	ESE 3	10	10	'300
27	'52	'51	58°6	52°4	52°0	64°0	4°0	1°3	'375	'358	76	91	S 3	SSE 3	6	3	'063
28	'42	'25	57°6	57°3	52°0	62°0	3°2	1°5	'382	'424	80	90	SE 4	SE 5	2	10	'028
29	'30	'32	57°8	54°6	52°8	63°2	4°0	2°7	'365	'352	77	82	SSE 3	S 3	2	10	'040
30	29°40	29°38	55°6	54°0	52°0	62°0	2°9	3°7	*362	'317	81	76	SSE 3	S 3	3	9	'050
Mean	29°708	29°690	55°1	51°5	47°9	60°9	3°0	2°9	*354	*313	81°3	81°4	2°4	2°1	6°5	5°8	3°182



## MARKREE CASTLE.—SEPTEMBER 1903.

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. at Station Level.		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 Pressure.		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.	61.0	51.0	51.0	63.9	5.3	1.0	376	348	71	93	W	5	Calm	0	5	1	ins.	—
2	29.59	29.83	55.7	50.7	48.2	63.3	1.8	1.5	393	331	88	89	Calm	0	SSE	2	10	9	05	Fine day. ☁ (mist) p.
3	73	56	55.7	50.7	48.2	63.3	1.8	1.5	393	331	88	89	Calm	0	SSE	2	10	9	05	Fine a. Dull, with ☁ p.
4	65	75	57.0	53.7	50.4	62.3	5.0	1.5	347	370	70	89	SSW	4	SSW	4	4	10	13	Dull, with ☁ p.
5	63	29	60.0	56.8	53.1	62.1	4.3	0.9	387	435	75	94	S	5	S	6	9	10	23	Gloomy, with squally ☁.
6	52	73	58.0	49.9	48.5	61.5	6.3	2.0	311	309	65	87	ESE	2	SW	1	5	10	05	☁ showers a. Fine afternoon.
7	86	99	59.9	49.2	44.3	63.3	6.9	1.3	322	318	62	91	SW	2	Calm	0	5	4	15	☁ a. Gloomy afternoon. ☁ n.
8	79	82	55.0	51.9	45.0	60.0	0.7	0.9	412	362	95	94	W	2	SW	3	10	10	14	☁ all day.
9	77	37	52.9	56.8	50.4	58.3	1.0	0.8	372	437	93	94	S	5	SW	2	10	10	68	☁ showers a.
10	68	90	51.9	48.9	47.7	57.3	2.1	2.3	331	291	87	84	WNW	1	NW	1	10	6	34	☁ all day.
11	54	38	47.8	49.0	42.5	49.8	0.8	1.3	312	315	94	91	SSE	3	NW	4	10	8	1.59	☁ showers a.
12	48	56	51.7	47.9	46.3	54.9	4.2	2.9	281	264	73	80	NNW	2	NW	2	6	4	20	☁ all day.
13	64	29.52	50.2	43.4	42.2	53.0	1.7	0.4	320	252	89	97	NW	3	Calm	0	9	8	21	☁
14	29.84	30.16	51.0	44.0	38.1	56.9	4.1	2.0	274	244	73	84	NNW	2	Calm	0	3	1	—	Fine day.
15	30.34	30.39	50.5	41.7	33.5	53.2	4.2	0.8	266	248	73	94	Calm	0	Calm	0	8	0	—	Fine day.
16	36	30.27	53.5	46.9	40.4	61.2	3.9	1.0	307	298	75	93	S	2	Calm	0	2	1	—	Fine day.
17	30.12	29.90	50.5	51.7	41.6	58.5	2.5	3.2	304	303	83	79	SE	1	SSE	3	3	10	03	☁
18	29.79	29.84	53.7	55.0	48.4	57.8	1.9	2.5	360	362	88	84	SSE	4	SSE	5	10	10	03	Gloomy, with ☁ showers.
19	91	93	58.8	53.9	53.5	62.7	4.6	2.9	362	335	73	81	S	5	SSE	1	10	0	—	Gloomy p.
20	92	96	59.7	53.4	50.1	62.5	6.4	1.5	331	366	65	90	SE	4	Calm	0	2	4	—	Fine a. Gloomy p.
21	90	79	60.2	59.4	52.5	65.4	4.2	2.6	393	425	75	85	SSE	4	SSE	5	1	6	—	Squally ☁.
22	67	63	61.8	58.1	56.1	64.4	4.8	1.3	401	444	73	91	E	4	ESE	6	7	10	11	Fine a. Squally ☁ p.
23	63	77	61.0	59.5	57.5	66.3	3.0	1.5	439	460	82	91	SE	4	SSE	5	7	10	07	Fine a. Gloomy p. ☁ n.
24	86	89	61.2	56.6	55.5	65.5	2.9	3.0	446	373	83	81	S	4	SE	4	7	2	08	☁ showers.
25	96	94	59.7	53.7	53.7	65.5	2.8	1.7	425	364	83	88	SSE	3	SE	3	10	0	03	☁ showers. ☁ n.
26	92	92	54.6	55.5	48.7	62.9	1.6	1.5	380	397	89	90	SE	2	S	2	8	3	—	Fine day.
27	89	68	58.7	58.2	55.3	62.4	3.0	2.4	404	412	81	85	SSE	5	SE	6	8	10	04	☁
28	54	55	57.0	52.6	52.4	63.1	3.0	1.2	377	364	81	92	S	3	SE	1	4	1	02	Fine a. ☁ n.
29	39	17	57.9	59.5	51.5	62.4	2.1	3.0	417	416	87	82	SE	5	SE	7	10	10	11	Gloomy. Squally ☁ (gale).
30	27	35	57.5	52.5	51.8	61.1	3.0	1.8	386	346	81	88	S	4	SSE	3	5	3	26	☁ (one hour). Fine afternoon.
31	29.39	29.36	57.0	55.0	49.9	59.7	3.8	2.6	356	359	76	83	S	5	S	5	6	9	15	☁ (gale) a. ☁ showers p.
Mean	29.753	29.740	56.2	52.5	48.7	60.9	3.4	1.8	359	352	79.4	88.1	3.2	2.7	6.8	6.0	4.70			

## DUBLIN (PHOENIX PARK).—SEPTEMBER 1903.

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°61	29°82	62.4	49.7	46.9	64.9	4.5	0.6	419	350	75	96	SW	2	Calm	0	9	3	—	Fine day. ☁ p.
2	72	60	56.5	49.9	44.2	57.2	1.5	0.3	412	351	90	98	Calms	0	Calm	0	10	8	0.80	Cloudy, with ☁ showers. ☁ p.
3	69	81	57.7	54.6	47.1	63.1	4.3	4.3	355	312	74	74	SW	2	SW	1	7	8	—	Fine day.
4	73	42	59.6	61.2	51.1	63.3	5.0	4.0	364	474	71	77	SSE	1	S	2	8	8	0.98	Cloudy, with ☁ showers.
5	51	29.77	56.7	49.8	46.9	61.8	4.4	2.9	339	287	73	80	W	1	Calm	0	3	4	—	Fine day.
6	88	30.00	56.0	48.6	43.9	62.4	4.2	2.2	335	290	74	85	SW	1	Calm	0	3	3	0.93	Fine day. ☁ 1.15p.-1.45p.
7	91	29.88	54.9	55.2	39.7	59.6	4.1	3.2	322	347	75	80	SW	3	SW	1	8	9	0.65	Cloudy, with ☁ showers.
8	80	35	57.3	59.2	50.8	59.6	1.7	0.9	418	474	89	95	SW	1	SW	3	10	10	4.60	☁ till 3a. ☁ 3p.-10.30p.
9	65	85	53.4	49.4	45.5	59.8	4.0	2.8	304	285	74	81	W	2	W	1	4	6	0.52	☁ 11.30a.-0.30p. Fine day.
10	68	23	50.2	44.2	39.7	56.8	2.7	1.0	296	268	82	93	SW	1	NW	2	10	10	1.205	☁ 2p.-3p. ☁ till 3.30p.
11	41	49	51.4	43.9	40.7	56.7	4.0	1.0	281	265	74	92	NW	1	Calm	0	3	3	0.80	☁ showers 1.30p.-4.30p.
12	56	29.51	50.6	44.0	36.4	53.3	3.3	0.6	287	274	78	95	W	1	Calm	0	5	9	0.90	Cloudy day. ☁ showers p.
13	29.72	30.07	49.7	44.0	37.1	55.7	3.1	1.8	281	248	79	86	N	1	Calm	0	2	0	—	Fine day.
14	30.28	30.40	48.5	39.3	33.1	55.3	3.3	0.2	263	236	77	99	Calm	0	Calm	0	4	0	—	Fine day. ☁ p.
15	38	30.30	54.8	43.2	29.0	56.8	4.1	0.4	321	271	75	96	Calm	0	Calm	0	2	2	—	Fine day. ☁ p.
16	30.15	29.97	53.6	46.1	28.9	57.1	4.1	0.5	304	300	74	96	Calm	0	Calm	0	2	4	—	☁ a. Cloudy from 10a.
17	29.90	29.96	55.2	55.9	41.6	58.8	2.8	3.8	357	344	82	77	SE	1	S	1	10	5	0.10	☁ showers a. Overcast day.
18	99	96	59.3	54.6	52.2	62.4	5.0	2.0	359	370	71	87	SSE	2	SE	1	6	0	—	Fine day.
19	93	92	54.5	55.6	43.5	59.7	1.8	1.5	374	399	88	90	Calm	0	E	1	10	0	—	Dull a. Cloudy p.
20	86	77	56.7	59.5	52.9	62.7	1.8	2.8	406	421	88	83	ENE	2	E	1	8	7	—	Fine day.
21	68	65	58.7	56.4	52.5	61.8	3.1	0.1	401	453	81	99	E	2	E	1	8	10	0.390	Overcast from 2p. ☁ from 3p.
22	66	82	59.6	58.6	55.0	63.9	2.4	1.5	434	445	85	91	E	1	NE	1	7	6	—	Fine day.
23	29.94	29.98	60.2	56.4	55.9	63.8	2.5	3.8	441	350	85	77	SE	1	S	1	9	3	0.10	Cloudy day. ☁ shower noon.
24	30.03	29.97	60.0	51.5	48.0	66.8	5.0	0.4	369	369	71	97	Calm	0	Calm	0	6	3	—	Fine day. ☁ p.
25	29.94	29.96	53.4	53.8	46.9	62.8	1.3	0.9	371	389	91	93	Calm	0	Calm	0	7	3	—	☁ a. Fine day.
26	97	76	59.9	57.3	44.1	64.1	4.9	1.2	370	433	71	92	S	1	SE	2	5	10	0.240	Fine day. ☁ 2p.-11.30p.
27	61	61	58.7	51.4	50.9	64.8	4.4	1.1	366	351	74	92	Calm	0	Calm	0	5	2	—	Fine day.
28	51	29	58.5	58.2	47.8	62.1	2.3	1.3	420	445	85	91	SE	1	SE	3	9	5	0.945	Cloudy, with ☁ showers.
29	37	41	59.5	56.0	53.8	62.9	5.3	0.6	354	431	69	96	S	1	S	1	3	6	0.65	Cloudy day. ☁ 2p.
30	29.50	29.51	57.6	56.1	51.0	62.3	4.4	3.5	351	354	74	78	S	1	S	2	5	3	—	Fine day.
Mean	29.785	29.769	56.2	52.1	45.2	60.7	3.5	1.7	356	351	78.3	88.9	1.0	0.8	6.3	5.0	2.856			

## BIRR CASTLE.—SEPTEMBER 1903.

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. at Station Level.		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 Pressure.		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.	58.9	54.7	52.3	63.1	3.7	2.0	387	372	77	87	SW	5	Calms	0	ins.	
2	29.61	29.79	58.9	54.7	52.3	63.1	3.7	2.0	387	372	77	87	SW	5	Calms	0	—	
3	67	56	55.7	52.5	48.8	63.0	2.2	1.1	382	365	86	92	Calms	0	SE	1	☁ Fine day.	
4	67	74	54.5	55.1	49.8	62.0	3.1	2.5	339	364	79	84	WSW	2	SE	2	☁ Cloudy day. ☁ n.	
5	63	30	58.4	57.9	52.6	63.5	4.1	1.0	370	350	76	94	SSE	3	SE	5	☁ Cloudy, with ☁ showers.	
6	49	74	55.7	50.5	49.9	62.0	4.5	3.0	324	293	72	80	W	4	NW	1	☁ ☁ a. and p. Cloudy day.	
7	85	97	57.0	48.5	45.2	61.4	3.7	1.8	359	295	77	87	SW	1	SSW	1	☁ ☁ early a. Fine day.	
8	87	85	54.9	54.7	46.0	58.9	4.0	2.2	325	366	75	86	S	2	SW	4	—	
9	79	39	57.2	59.1	51.9	59.3	1.6	0.9	420	473	90	94	WSW	2	W	5	☁ Fine and bright.	
10	68	88	53.7	49.7	46.8	59.1	4.7	2.8	288	288	70	81	WNW	2	WSW	1	☁ Overcast day.	
11	61	32	49.6	46.7	43.0	57.9	7.0	0.8	205	301	58	94	S	2	W	5	☁ Overcast, with ☁.	
12	44	32	51.1	45.7	44.3	55.4	7.7	1.8	207	267	56	87	W	3	W	2	☁ ☁ showers n.	
13	60	29.49	48.7	45.0	41.5	54.3	2.1	1.0	293	275	85	92	WNW	2	SW	2	☁ Overcast.	
14	74	30.07	49.0	44.7	38.4	57.8	3.3	1.8	270	255	77	87	NW	3	Calms	0	☁ Fine day. ☁ n.	
15	28	35	44.9	44.0	32.1	56.9	1.3	0.9	268	267	91	93	Calms	0	Calms	0	☁ Cloudy and cool.	
16	34	30.26	52.3	48.7	39.8	60.8	4.1	2.5	289	284	73	82	NNE	2	SW	2	☁ Fine and bright.	
17	30.10	29.89	52.0	47.9	38.0	59.9	3.4	2.7	301	290	76	82	NE	1	E	2	☁ Fine and bright.	
18	29.79	84	54.2	55.9	47.3	60.0	1.7	2.7	372	372	89	83	SSW	3	SSE	5	☁ ☁	
19	86	86	58.0	54.5	53.0	62.5	4.3	3.1	360	339	75	79	S	5	SE	3	☁ Cloudy day.	
20	85	86	56.7	53.7	50.0	61.5	4.0	1.9	349	360	75	88	SE	1	E	2	☁ Cloudy day.	
21	78	67	57.9	59.1	53.7	65.3	2.6	2.7	403	418	84	83	E	5	SE	3	☁ Fine day. Squally ☁.	
22	65	54	59.2	58.7	53.5	60.7	4.1	2.0	381	432	76	87	E	3	ESE	4	☁ Fine day. Squally ☁.	
23	56	72	61.8	59.7	57.0	65.4	4.2	1.4	418	467	76	92	SE	3	SE	3	☁ Overcast, with ☁.	
24	83	88	60.8	55.7	54.7	63.5	2.4	2.0	455	388	85	87	S	2	SSE	4	☁ ☁	
25	94	91	61.0	52.7	52.0	65.4	3.4	1.1	427	367	80	92	S	3	SE	5	☁ Cloudy day.	
26	89	90	57.6	57.7	48.2	62.5	3.1	1.8	385	423	81	88	SE	2	S	2	☁ Fine day. ☁ n.	
27	86	64	58.7	58.5	55.1	61.2	3.2	1.7	398	438	80	89	ESE	2	S	2	☁ Fine day.	
28	54	53	57.7	52.7	51.8	63.7	2.7	1.3	397	362	83	91	S	2	ESE	2	☁ Overcast day.	
29	58	16	60.2	58.7	51.8	61.9	2.5	1.2	441	456	85	93	SE	3	S	6	☁ Cloudy, with ☁ showers.	
30	26	34	57.9	51.4	50.3	62.1	4.3	1.5	359	341	75	90	SSE	5	S	1	☁ Overcast day.	
31	29.39	29.41	56.1	56.1	49.8	62.0	2.7	3.2	374	362	82	79	S	3	SSE	4	☁ Cloudy, with squally ☁ showers.	
Mean	29.731	29.711	55.7	53.1	48.3	61.1	3.5	1.9	352	358	78.2	87.4	2.5	2.6	5.9	5.8	3.191	☁ Fine day.



## DUNROBIN CASTLE.—OCTOBER 1903.

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. at Station Level.		Air Temperature.					Humidity.			Wind Direction and Force.		Cloud Amount.		Remarks.
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	
1	ins.	ins.	56.0	55.0	52.0	60.0	3.0	2.0	36.5	37.5	81	87	—	—	Fine, but dull.
2	41	47	55.0	50.0	50.0	64.0	2.0	2.0	37.5	39.9	87	86	—	—	Fine, clear, sunny, and mild.
3	47	49	48.5	49.0	45.0	52.0	1.5	4.0	30.3	25.5	89	73	—	—	Dull, with ☉.
4	48	42	44.0	49.0	42.0	50.0	1.0	2.0	26.5	29.8	92	86	—	—	Dull day.
5	40	47	51.5	49.0	47.0	54.0	2.5	1.0	32.8	32.8	83	93	—	—	☉ a.
6	48	47	46.0	42.0	41.0	50.0	5.0	3.0	20.7	20.7	67	78	—	—	Dull day.
7	66	76	45.0	40.0	33.0	52.0	3.2	3.0	22.9	18.9	77	76	—	—	Fine, clear, and cold.
8	74	74	44.0	49.0	39.0	49.0	1.0	4.0	26.5	25.5	92	73	—	—	Dull, with ☉ showers.
9	73	75	44.0	41.0	41.0	49.0	1.0	2.0	26.5	21.5	92	84	—	—	
10	77	78	47.0	46.0	37.0	51.5	4.0	3.0	23.3	24.4	73	79	—	—	Fine, but cold.
11	58	29.28	45.0	50.0	38.0	51.0	3.0	3.0	23.3	28.6	78	80	—	—	☉. Rough sea.
12	29.03	28.88	52.0	51.0	49.0	52.0	1.0	1.0	36.1	34.8	93	93	—	—	☉. Rough sea.
13	28.90	29.22	50.0	40.0	40.0	52.0	2.0	2.0	30.9	20.7	86	84	—	—	Breezy, with ☉.
14	29.34	29.32	42.0	41.5	36.0	50.0	1.0	1.5	24.5	23.0	92	88	—	—	Dull and mild.
15	28.69	28.81	45.0	45.0	41.0	50.0	1.0	2.0	27.5	25.3	92	85	—	—	☉ showers.
16	28.98	29.32	45.0	45.0	43.0	51.5	1.0	1.0	27.5	27.5	92	92	—	—	Dull, with ☉ showers.
17	29.81	29.7	47.0	42.0	40.0	51.0	3.0	2.0	25.3	22.5	79	85	—	—	Dull a. Breezy p.
18	96	82	43.0	46.0	39.0	48.0	1.0	1.0	25.5	28.7	92	93	—	—	☉ showers.
19	68	67	49.0	46.0	45.0	51.0	0.8	1.0	38.7	28.7	94	93	—	—	Clear and mild.
20	58	44	52.0	45.5	44.0	57.0	3.0	1.5	31.0	27.0	80	89	—	—	Fine and sunny.
21	38	32	49.0	46.5	42.0	53.0	4.0	2.5	25.5	25.9	73	82	—	—	Fine day.
22	28	33	45.0	44.5	39.0	53.0	1.0	1.5	27.5	25.9	92	88	—	—	
23	37	53	44.0	37.0	36.0	49.5	2.0	2.0	24.4	18.4	84	83	—	—	
24	49	11	37.0	47.0	33.0	47.0	1.0	1.0	20.0	29.8	91	93	—	—	Dull, with ☉.
25	09	29.03	46.0	50.0	43.0	51.0	1.0	2.0	28.7	30.9	93	86	—	—	Dull, with ☉. Snow on hills.
26	03	28.98	48.0	45.5	45.0	51.0	1.0	1.0	28.7	27.0	93	89	—	—	Fair and mild a. ☉ p.
27	17	29.21	44.0	48.0	39.0	50.0	1.0	3.5	39.9	27.0	93	89	—	—	☉ (mist). Dull day.
28	20	29	51.5	49.0	43.0	51.5	1.5	2.0	34.1	29.8	86	86	—	—	Dull, with ☉.
29	43	20	50.0	50.0	49.0	51.0	2.0	2.0	30.9	30.9	86	86	—	—	Dull day. Stormy from E.
30	23	53	49.5	46.0	40.0	51.0	3.5	1.0	27.0	28.7	76	93	—	—	
31	29.69	29.81	45.0	45.5	41.5	52.0	1.0	1.0	27.5	28.2	92	93	—	—	
Mean	29.395	29.407	47.1	46.2	41.7	51.8	1.9	2.0	28.1	26.9	86.2	85.6	—	—	4.63

## BRAEMAR.—OCTOBER 1903.

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	28.49	28.42	52.9	53.4	48.7	57.0	2.5	2.3	33.3	34.5	84	85	S	2	S	0.5	8	9	0.5	Fair but cloudy.
2	28	35	53.4	49.4	46.8	53.4	2.0	2.0	35.3	30.3	87	87	SE	0.5	SE	0.5	8	7	0.6	Fine a. ☉ showers p.
3	30	39	45.6	42.4	40.5	49.4	0.9	0.7	28.6	25.6	94	95	SE	0.5	SE	0.5	8	10	0.4	☉ (mist) and damp all day.
4	28.22	28.31	41.0	45.4	39.3	45.4	0.6	0.5	24.4	29.3	95	97	SE	0.5	SE	0.5	10	8	0.3	Cold, with ☉.
5	27.89	27.85	50.4	49.1	44.2	51.0	2.6	2.6	30.0	28.6	83	82	SW	2	SW	6	8	8	0.19	Gusty, with ☉.
6	28.31	28.23	42.6	37.4	35.8	48.2	1.4	1.0	24.2	20.4	89	92	N	1	N	6	10	10	0.20	Gusty, with ☉ all day.
7	50	57	37.1	42.2	36.0	44.2	1.9	2.4	18.5	21.9	84	83	N	0.5	N	1	6	7	—	Fine day.
8	56	53	40.6	42.6	37.2	43.1	0.9	0.9	23.4	25.3	93	93	N	0.5	N	0.5	10	10	0.08	Dark, with ☉.
9	50	58	42.6	36.4	34.1	44.7	2.2	1.3	22.7	19.1	84	89	NE	1	NE	0.5	8	7	0.02	Dull and damp.
10	66	62	35.9	39.9	29.2	44.8	3.2	2.3	15.4	20.1	72	82	NE	0.5	NE	0.5	5	7	0.06	
11	28.40	28.13	41.4	47.7	36.3	47.7	1.7	0.6	22.6	31.7	88	97	SE	2	SE	0.5	10	10	0.19	Dull, with ☉.
12	27.82	27.75	49.7	50.6	45.3	53.2	0.5	0.4	34.4	35.9	96	97	SE	0.5	SE	0.5	10	10	0.29	Dull a. Fair p.
13	27.81	28.14	45.5	40.1	38.5	50.2	0.9	1.9	28.4	21.0	94	85	SW	2	SW	0.5	10	6	0.20	Fine day.
14	28.23	28.14	43.6	44.2	36.0	48.9	2.7	2.1	22.6	24.4	79	84	SW	2	SW	0.5	8	10	0.45	Gusty, with ☉.
15	27.71	27.93	41.4	42.2	39.7	48.3	1.7	1.8	22.6	23.1	88	87	SW	8	SW	4	10	10	0.06	Dull, with ☉ showers.
16	27.93	28.18	43.7	44.4	39.4	47.0	2.1	1.7	24.0	25.5	84	88	SW	4	SW	2	8	10	0.24	Dull, with ☉ showers.
17	28.64	27.9	44.7	41.4	39.0	45.6	1.3	2.5	26.6	21.0	90	81	N	4	N	2	10	5	0.03	Dull, with ☉ showers.
18	79	73	38.4	41.4	34.2	44.0	1.3	1.1	20.6	23.8	89	91	N	0.5	SW	0.5	8	10	0.04	Dull a. Fair p.
19	58	52	44.4	48.7	39.3	52.1	0.0	2.3	29.2	28.9	100	84	SW	0.5	SW	0.5	9	5	0.01	☉ showers.
20	46	35	48.9	49.4	46.0	55.8	2.1	2.9	29.6	28.3	86	81	SW	1	SW	2	6	7	0.10	☉ showers.
21	35	21	46.4	45.7	42.2	48.8	1.8	2.5	27.3	25.1	87	82	SW	2	SW	0.5	9	8	0.03	☉ showers.
22	16	11	46.0	43.4	40.8	47.2	2.6	1.0	25.2	26.0	82	92	SW	0.5	SW	0.5	7	10	0.09	Dull day.
23	19	28.39	42.9	38.4	36.2	44.9	1.9	2.4	23.5	18.6	85	81	W	1	NW	0.5	8	4	0.01	☉ showers.
24	28.32	27.97	40.1	47.4	37.4	47.4	1.7	1.2	21.4	29.8	86	91	NW	0.5	SW	0.5	8	10	0.30	Dark and damp.
25	27.98	27.90	47.2	47.7	43.2	47.8	2.8	1.3	26.0	29.9	81	91	SW	2	SW	0.5	8	10	0.22	Dark, with ☉ showers.
26	27.89	27.87	45.5	39.6	37.2	49.1	1.1	1.0	28.0	22.3	92	92	SW	0.5	SW	0.5	9	1	0.05	Dark a. ☉ showers. Fair p.
27	28.04	28.08	41.8	39.6	36.2	45.7	2.6	0.9	21.3	22.5	81	93	SW	1	SW	0.5	5	10	0.82	☉. High rivers.
28	27.97	27.11	50.4	44.4	38.0	50.4	0.8	2.0	34.6	24.8	94	85	NE	0.5	E	0.5	10	10	0.69	Fair a. ☉ p.
29	28.24	27.07	45.3	44.9	37.0	48.8	1.9	1.5	25.9	26.3	86	89	S	2	S	6	9	9	0.51	Fine day.
30	13	36	45.5	45.4	41.3	49.2	2.9	3.2	24.1	23.4	79	77	SW	4	SW	6	8	7	—	Fine day.
31	28.54	28.60	45.0	43.7	40.2	49.2	1.8	1.7	25.7	24.7	86	86	SW	0.5	SW	0.5	7	9	0.01	
Mean	28.250	28.263	44.5	44.1	39.2	48.5	1.8	1.7	25.8	25.6	87.0	87.7	—	—	—	—	1.5	1.5	8.3	5.39

## LAUDALE.—OCTOBER 1903.

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. at Station Level.		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 Pressure.		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.	56.0	56.0	54.0	59.0	1.0	0.8	in.	in.	%	%	S	4	S	3	10	9	ins.
2	29.55	29.46	56.0	56.0	54.0	59.0	1.0	0.8	41.9	43.5	93	94	S	4	S	3	10	9	☉ most of day.
3	46	52	54.0	49.0	47.0	59.3	0.2	1.0	41.2	32.2	99	93	SW	2	W	2	10	5	☉ showers most of day.
4	42	52	55.0	52.8	48.0	59.0	1.3	1.5	39.5	33.8	91	89	W	2	W	2	10	10	☉ all day.
5	29.40	29.39	54.2	54.0	48.3	54.8	1.2	1.0	38.5	28.8	92	93	SW	2	SW	3	10	10	☉ showers all day.
6	28.96	28.95	49.9	53.0	48.0	55.7	0.9	1.8	33.5	35.2	94	87	SW	4	W	4	10	10	☉ showers all day.
7	29.37	29.35	49.9	45.0	44.0	53.7	2.2	2.0	30.4	25.3	86	85	S	4	S	4	10	10	☉ showers.
8	64	69	47.6	46.0	41.2	49.0	2.4	4.0	27.3	22.5	83	78	SE	1	SE	2	5	10	☉ showers.
9	64	69	47.6	46.0	41.2	49.0	2.4	4.0	27.3	22.5	83	78	SE	1	SE	2	5	10	☉ showers.
10	70	78	47.0	39.7	39.0	52.6	2.4	1.7	26.6	21.0	83	86	Caln	0	NE	2	6	7	☉ showers.
11	81	70	37.5	47.0	34.6	51.7	0.5	3.0	21.4	25.3	95	79	NE	1	S	4	1	10	☉ showers.
12	29.30	29.15	45.5	54.0	42.0	54.6	1.5	2.0	27.0	36.0	89	86	SE	5	S	3	10	10	☉ showers.
13	28.84	28.76	48.0	49.2	41.9	54.5	3.0	1.3	26.3	31.8	79	91	SE	4	S	2	7	10	☉ showers.
14	28.94	28.86	48.9	49.0	40.0	52.2	1.9	1.0	29.9	32.2	87	93	S	4	S	4	10	10	☉ showers.
15	28.94	28.84	46.6	46.0	39.0	52.0	1.6	1.2	28.0	32.2	89	92	NW	3	NW	2	9	10	☉ showers.
16	28.94	28.84	47.2	48.6	37.0	53.0	1.2	1.6	29.5	30.2	92	89	NW	4	NW	3	7	9	☉ showers.
17	29.08	29.08	48.0	48.0	39.0	54.0	1.1	1.4	30.7	29.9	92	90	NW	4	NW	4	10	10	☉ showers.
18	89	99	51.0	51.0	42.0	54.0	2.0	2.0	32.3	32.3	86	86	WNW	3	WNW	3	7	9	☉ showers.
19	87	79	51.0	48.3	42.0	56.0	1.0	1.3	34.8	30.6	93	91	S	3	S	5	10	10	☉ showers.
20	64	57	49.0	53.8	47.0	55.3	1.4	1.8	31.2	36.3	90	87	S	1	S	3	10	10	☉ showers.
21	55	40	51.0	49.0	47.0	54.3	1.1	2.0	35.6	29.8	92	86	S	2	SW	3	10	7	☉ showers.
22	38	33	50.0	50.2	45.0	52.8	2.0	1.2	30.9	33.2	86	92	W	2	W	4	6	9	☉ showers.
23	32	26	46.4	49.0	41.0	51.0	0.4	1.4	30.6	31.2	97	90	S	2	SW	1	10	10	☉ showers.
24	43	29.60	47.3	40.8	39.0	50.0	2.0	0.8	27.8	23.7	86	94	N	3	N	3	6	8	☉ showers.
25	39	28.99	47.0	52.0	38.0	56.0	2.0	1.0	27.5	36.1	86	93	SW	4	S	4	10	10	☉ showers.
26	29.07	29.07	50.7	50.2	46.0	54.0	1.1	1.2	34.2	33.2	92	92	W	3	S	2	10	10	☉ showers.
27	28.95	28.95	49.3	47.5	46.8	52.8	1.3	0.2	31.8	32.4	91	98	SW	2	S	1	9	7	☉ showers.
28	29.18	29.18	45.0	47.2	44.0	51.0	1.8	1.2	25.7	29.5	86	92	S	2	NW	2	6	6	☉ showers.
29	28.99	28.99	46.3	46.8	37.0	51.0	0.3	1.8	30.7	27.7	88	87	Caln	0	S	2	10	6	☉ till evening.
30	29.29	29.29	50.0	49.0	43.0	50.0	1.8	2.7	31.4	28.3	87	81	S	4	W	3	7	10	☉ in afternoon.
31	27	57	48.0	48.2	44.0	52.4	0.8	2.2	31.4	30.7	94	92	NW	2	NW	2	9	7	☉ showers.
32	29.72	29.72	50.0	47.0	46.0	52.8	1.3	1.0	32.7	29.8	91	93	NW	1	S	3	9	10	☉ showers.
Mean	29.369	29.373	48.9	48.8	43.1	53.5	1.4	1.5	31.3	31.0	89.9	89.3	2.6		2.8	8.5	9.0	16.45	



GLASGOW.—OCTOBER 1903.

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. at Station Level.		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 Pressure.		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.	58°9	54°3	54°1	61°1	4°9	1°8	in.	in.	%	%	SW	2	S	1	8	6	ins.
2	29°45	29°35	58°9	54°3	54°1	61°1	4°9	1°8	355	371	88	88	SW	2	S	1	8	6	148
3	29	28	53°7	51°3	51°3	58°1	1°7	1°3	364	344	88	91	SW	1	W	1	10	9	132
4	29	29	50°5	52°7	50°5	57°4	0°3	2°0	360	344	97	87	Calm	0	Calm	0	10	10	713
5	29°28	29°27	51°2	53°3	48°5	55°7	0°9	1°8	353	357	94	88	Calm	0	SW	1	9	10	516
6	29°23	29°15	51°2	49°0	49°0	53°1	2°6	3°2	319	310	81	79	SW	2	W	4	10	9	113
7	53	55	42°3	44°3	40°1	44°8	1°0	1°1	260	260	96	87	SW	1	NE	1	10	10	741
8	47	46	46°3	47°9	43°5	49°3	0°7	0°7	297	315	95	95	E	1	E	2	10	10	520
9	46	61	46°6	41°7	41°7	45°0	3°6	1°8	237	227	75	87	NE	1	Calm	0	10	10	238
10	67	57	38°2	43°2	35°5	49°3	1°4	2°4	202	228	88	82	Calm	0	SE	1	5	10	5
11	29°26	29°00	42°9	49°2	41°3	51°7	1°4	1°1	246	322	89	93	SE	1	E	2	10	10	467
12	28°68	28°65	50°9	52°3	48°5	55°9	0°6	1°4	357	354	96	90	E	1	Calm	0	10	10	148
13	28°68	29°15	47°4	44°9	42°5	53°2	1°7	2°8	286	236	88	80	W	2	W	2	6	3	377
14	29°23	29°01	46°9	48°9	43°2	51°9	2°1	1°4	272	312	86	91	SW	1	SE	1	8	10	607
15	28°87	28°44	46°1	46°9	43°4	50°8	0°9	3°9	269	234	93	74	W	2	W	4	10	7	416
16	29°06	29°00	46°6	48°4	43°6	49°2	2°3	3°8	265	252	84	75	W	4	NW	2	10	8	254
17	69	81	49°1	44°6	44°6	53°5	4°1	2°1	254	248	72	84	NW	1	W	1	3	0	174
18	63	72	41°3	46°3	39°3	48°1	1°3	1°0	232	290	90	93	Calm	0	SE	1	10	10	013
19	56	51	51°9	51°2	45°4	56°1	1°6	1°9	344	328	89	87	SW	1	SE	1	9	8	668
20	44	33	51°6	49°7	49°3	55°7	2°0	2°9	330	309	86	88	S	1	SW	1	9	7	073
21	28	24	50°1	48°6	46°3	51°3	2°1	2°2	308	290	85	85	SW	2	SW	2	8	6	200
22	26	09	47°1	44°8	44°8	49°1	1°8	0°7	281	280	87	95	Calm	0	W	1	10	7	044
23	24	29°46	46°3	39°9	39°9	49°9	2°6	2°6	256	196	82	79	W	1	W	1	7	3	044
24	29°28	28°89	44°2	51°7	39°0	52°1	1°4	1°7	259	339	89	88	SE	1	S	2	10	10	264
25	28°98	80	49°3	50°5	46°9	52°7	2°0	2°1	301	314	86	86	S	1	SE	1	9	9	417
26	28°81	84	50°1	47°7	46°6	51°5	1°8	0°6	316	315	87	96	S	1	W	1	9	10	105
27	29°10	28°89	44°1	40°7	40°4	48°2	2°3	1°6	239	220	82	87	SW	1	NE	2	6	10	848
28	28°81	29°08	48°1	43°1	40°2	51°2	0°5	3°2	324	212	96	76	Calm	0	Calm	0	10	4	170
29	29°16	28°95	46°3	47°0	39°2	49°2	2°9	2°4	249	266	80	83	SE	1	S	3	10	10	092
30	16	29°45	48°1	47°3	46°2	51°4	1°3	2°0	303	278	91	86	SW	1	W	1	10	9	017
31	29°59	29°58	45°9	47°3	44°1	51°2	2°4	1°0	278	302	91	93	Calm	0	SE	1	8	10	363
Mean	29°247	29°235	47°9	47°5	44°2	52°2	1°8	1°9	292	286	87°3	86°6	1°0		1°4	8°9	8°1	8°310	

COCKLE PARK (NEAR MORPETH).—OCTOBER 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, + '026 in.

1	29°42	29°31	54°0	50°0	47°0	58°0	2°0	1°0	*360	*339	86	93	SE	2	SE	2	9	9	*216	☼☼ (mist) a. Dull day. ☼ <sup>2</sup> .
2	'17	'20	53°0	48°0	46°0	58°0	1°0	1°0	*374	*304	93	93	W	3	NW	2	8	2	*260	☼☼ showers a. Fine p.
3	'13	'13	50°0	50°0	46°0	60°0	0°0	1°0	*361	*334	100	93	SE	1	S	3	10	6	*178	☼☼ a. Fair p.
4	29°14	29°23	55°0	50°0	48°0	59°0	3°0	2°0	*349	*309	81	86	W	3	SW	3	8	9	*082	Fine day.
5	28°86	28°87	56°0	52°0	48°0	58°0	5°0	3°0	*317	*310	70	80	W	7	W	9	2	3	*200	Fine day. Stormy ☼ after 3p.
6	29°14	28°70	52°0	43°0	41°0	53°0	2°0	0°0	*335	*277	86	100	SW	3	SE	3	10	10	1°263	Dull day. ☼ <sup>2</sup> p.
7	'41	29°41	46°0	47°0	40°0	50°0	3°0	1°0	*244	*298	79	93	W	1	W	2	10	6	*140	Dull a. Cloudy day.
8	'33	'20	49°0	42°0	43°0	50°0	0°0	1°0	*348	*309	100	93	E	2	NE	5	10	10	2°870	☼☼☼ Country flooded.
9	'10	'35	45°0	42°0	40°0	48°0	1°0	3°0	*275	*207	92	78	NE	3	NW	3	10	5	*600	☼☼☼ Country flooded.
10	'50	29°44	46°0	39°0	35°0	50°0	3°0	1°0	*244	*218	79	92	NW	3	SE	2	1	4	*199	Fine day.
11	29°17	28°92	48°0	49°0	37°0	50°0	1°0	0°0	*309	*348	93	100	SE	6	SE	3	10	10	*443	☼☼ a. Dull day. ☼ <sup>0</sup> n.
12	28°62	28°53	54°0	51°0	48°0	59°0	0°0	1°0	*418	*348	100	93	SW	1	SW	2	10	9	*228	Dull day. ☼ in afternoon.
13	28°76	29°09	48°0	43°0	39°0	52°0	3°0	2°0	*263	*234	79	84	W	8	SW	4	4	3	*010	Fine a. and n. ☼ (gale) ☼.
14	29°17	29°00	49°0	48°0	35°0	54°0	3°0	0°0	*276	*335	79	100	S	4	SE	2	6	10	*070	Fine day. ☼ showers p. ☼☼☼ n.
15	28°83	28°99	47°0	43°0	42°0	53°0	3°0	2°0	*253	*234	79	84	SW	6	W	5	2	3	*046	Fine day. ☼
16	29°00	28°94	48°0	47°0	41°0	51°0	3°0	2°0	*263	*275	79	86	SW	7	NW	6	8	7	*105	Cloudy, with occasional ☼ showers.
17	'34	29°61	48°0	45°0	43°0	52°0	1°0	1°0	*309	*275	93	92	NE	3	NW	2	8	4	—	Cloudy day.
18	'69	'68	44°0	44°0	37°0	48°0	2°0	0°0	*244	*244	84	84	NW	1	SE	2	8	10	*105	Fine a. Dull day.
19	'51	'45	47°0	51°0	37°0	53°0	1°0	0°0	*298	*374	93	100	S	2	SSW	2	10	6	*140	Dull day, with ☼.
20	'39	'27	50°0	51°0	47°0	57°0	1°0	1°0	*334	*348	93	93	SSW	2	S	2	10	10	*035	Dull day, with ☼ showers.
21	'23	29°16	46°0	44°0	42°0	57°0	1°0	1°0	*287	*265	93	92	SE	1	SW	2	7	5	—	Dull a. Fine day.
22	'07	28°92	43°0	45°0	40°0	50°0	0°0	1°0	*277	*275	100	92	S	1	NW	2	6	5	*195	Cloudy day.
23	'01	29°27	43°0	38°0	37°0	51°0	0°0	1°0	*277	*208	100	91	NW	1	NW	2	10	1	—	Fine day.
24	29°26	28°96	39°0	49°0	38°0	49°0	2°0	1°0	*199	*322	84	93	S	3	SW	5	10	10	*060	Dull day.
25	28°94	'81	50°0	50°0	40°0	50°0	3°0	1°0	*286	*334	80	93	S	2	SE	3	5	4	*140	Fine a. ☼ n.
26	'79	'76	52°0	44°0	43°0	54°0	2°0	1°0	*335	*265	86	92	S	3	S	2	8	2	*128	☼☼ showers.
27	'99	28°78	44°0	51°0	39°0	51°0	2°0	1°0	*244	*348	84	93	SW	2	SE	8	3	10	*876	Fine a. ☼ in afternoon. Stormy n.
28	28°67	29°04	52°0	40°0	37°0	52°0	1°0	2°0	*361	*207	93	84	SE	8	SE	2	10	2	*012	☼ (gale) ☼☼ showers. ☼☼☼ n.
29	29°13	'00	45°0	45°0	37°0	50°0	1°0	2°0	*275	*253	92	85	S	4	S	2	8	2	*010	Fine day. ☼☼ showers p.
30	'10	'31	50°0	47°0	40°0	50°0	2°0	2°0	*309	*275	86	86	SW	5	W	2	7	8	*012	Fine day.
31	29°46	29°49	48°0	44°0	40°0	52°0	2°0	1°0	*285	*265	86	92	W	4	NE	1	1	10	*280	Fine day. ☼ p.
Mean	29°139	29°123	48°4	46°4	40°9	52°9	1°7	1°3	*300	*288	87°8	90°6		3°3		3°1	7°4	6°3	8°903	

SCARBOROUGH.—OCTOBER 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot  
Long.  $0^{\circ} 24' W.$  Lat.  $54^{\circ} 18' N.$  Gravity Correction,  $+0.025$  in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	55°	57°	48°	63°	2°	2°	375	391	86	84	SW	4	SW	4	2	6	ins.
2	29° 71	29° 58	53°	55°	46°	60°	2°	3°	348	349	84	80	SW	6	SW	6	4	4	04
3	46	44	53°	56°	50°	63°	1°	3°	374	351	93	78	SW	3	W	6	10	2	31
4	38	44	55°	56°	51°	63°	2°	2°	382	397	87	87	W	5	NW	6	3	6	05
5	20	22	55°	54°	49°	61°	0°	3°	409	330	94	78	SW	6	SW	8	10	4	01
6	43	01	53°	51°	46°	59°	1°	5°	361	361	89	96	W	6	SW	10	10	8	31
7	64	65	47°	51°	41°	58°	2°	0°	280	361	85	96	SW	6	S	6	8	10	12
8	53	27	51°	52°	48°	54°	0°	2°	371	358	99	99	E	3	NE	8	10	10	08
9	14	49	50°	47°	40°	53°	0°	5°	348	316	96	96	NE	8	NE	6	10	8	12
10	68	71	43°	43°	32°	51°	2°	1°	234	249	84	87	NW	7	NW	4	6	4	20
11	29° 19	29° 19	42°	50°	39°	54°	0°	5°	256	348	96	96	SE	8	SE	8	10	10	25
12	28° 90	28° 76	57°	52°	45°	58°	1°	1°	419	348	89	89	SE	7	SW	6	6	23	03
13	29° 02	29° 35	50°	47°	45°	58°	4°	2°	263	264	72	81	W	7	SW	3	3	4	03
14	47	29	45°	44°	41°	57°	2°	1°	259	265	85	92	SW	5	SW	6	6	6	48
15	17	30	45°	46°	41°	53°	2°	1°	259	269	85	87	SW	5	SW	6	2	4	03
16	36	21	44°	46°	42°	51°	1°	1°	265	275	92	88	SW	3	SW	3	10	10	20
17	59	84	52°	45°	42°	53°	3°	1°	309	269	80	88	N	6	N	4	6	6	05
18	89	89	47°	47°	42°	50°	2°	3°	275	253	85	78	N	5	N	3	8	10	—
19	82	71	47°	51°	44°	53°	0°	7°	307	348	94	93	SW	4	SW	5	10	10	07
20	68	56	52°	52°	48°	56°	1°	1°	361	361	93	93	SW	4	SW	4	10	10	03
21	50	44	51°	50°	48°	56°	2°	5°	316	334	82	93	SW	3	SW	3	3	4	—
22	35	12	47°	49°	42°	51°	1°	1°	298	322	92	92	SW	3	SW	3	10	10	15
23	23	53	47°	46°	42°	51°	2°	1°	275	275	85	88	NW	2	NW	4	8	10	16
24	57	30	41°	46°	35°	49°	2°	1°	216	270	84	88	SW	4	SW	5	6	10	12
25	27	03	47°	47°	44°	55°	0°	5°	316	292	96	88	S	3	S	5	10	8	03
26	08	04	51°	48°	42°	54°	2°	1°	322	309	86	92	SW	5	SW	3	6	8	01
27	29° 26	29° 07	46°	46°	42°	57°	1°	1°	275	275	88	88	SW	4	S	6	4	10	18
28	28° 92	29	52°	44°	41°	54°	1°	1°	361	254	93	87	S	6	S	4	10	6	10
29	29° 44	33	48°	49°	43°	54°	1°	1°	305	309	91	89	S	3	S	5	8	6	02
30	41	62	48°	47°	45°	54°	1°	1°	303	269	89	81	SW	6	SW	4	8	4	—
31	29° 79	29° 72	49°	47°	45°	53°	3°	2°	274	269	77	81	SW	3	W	3	4	8	10
Mean	29° 41	29° 38	49°	49°	43°	55°	1°	1°	313	311	88°	88°	4°	8	5°	7°	7°	6°	28

CRONKBOURNE.—OCTOBER 1903.

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°55	29°46	59°6	55°6	54°3	60°2	1°8	0°6	'453	'425	89	96	S	3-4	3	4	4	'011	Fine a.	Dull p.	● n.	
2	'43	'48	55°6	50°3	50°0	59°5	1°6	0°3	'396	'385	89	98	WSW	4-6	Calm	0	7	10	'468	Fine day.	● n.	
3	'42	'37	56°0	55°6	50°0	59°6	1°3	0°0	'411	'437	91	99	WSW	4-5	SSW	4-5	4	10	'557	Fine day.	Fresh breeze.	● n.
4	'40	'42	56°2	55°6	51°5	58°7	2°4	0°8	'383	'420	85	95	W	5	SSW	4	6	10	'078	Fine day.	Fresh breeze.	● n.
5	'12	29°27	55°1	55°2	53°6	57°2	2°6	1°8	'361	'384	83	88	WSW	5-7	W	5-6	8	6	'090	Squally	(gale).	● showers p.
6	'32	28°99	53°2	51°0	51°0	57°3	0°4	0°1	'394	'371	91	98	SSW	3	NW	5-8	10	10	'690	Squally	(gale).	● showers p.
7	'57	29°58	52°8	55°2	43°0	57°8	1°8	0°4	'369	'425	88	98	SW	3	SSW	2	7	10	1-038	Fine day.	● n.	
8	'45	'39	52°7	51°3	51°0	55°2	0°3	0°9	'390	'354	98	94	E	2	ENE	3	10	10	'051	● a.	Dull, with ● showers.	
9	'49	'66	46°3	40°6	40°6	54°8	0°6	0°9	'300	'234	96	93	NNW	3	NW	1	10	6	'096	Overcast a.	● showers p.	
10	'70	'52	48°6	51°8	40°2	53°6	1°0	1°2	'318	'354	93	91	Calm	0	ESE	4-5	9	10	'267	Cloudy day.	● n.	
11	29°22	29°00	51°4	54°2	49°5	54°7	0°2	0°0	'375	'421	98	100	SE	5	ESE	5-6	10	10	'670	Dull, with squally	● n.	
12	28°72	28°74	54°0	53°7	52°0	57°6	0°4	0°2	'406	'408	97	99	SSE	3	SW	2	9	10	'288	Cloudy day.	● n.	
13	29°11	29°33	49°6	47°0	45°0	54°9	2°6	2°0	'291	'275	82	86	WSW	6	WSW	3	3	2	'078	Fine a.	△ showers.	
14	'34	'09	52°7	53°2	46°2	56°5	1°7	0°2	'351	'400	88	99	SW	1	SSE	3-4	10	10	'128	Dull day.	● showers p.	
15	'16	'33	48°7	45°4	45°5	54°7	2°7	1°9	'279	'271	81	87	W	5-6	WSW	4	4	3	'029	Fine till 2-30p.	△ showers.	
16	'32	'38	47°6	50°0	45°0	51°8	1°7	1°5	'289	'322	88	90	W	4-6	WNW	6-7	6	10	'154	Fine a.	● showers p.	
17	'78	'90	54°4	48°7	48°0	57°5	2°9	0°4	'343	'334	81	97	NNW	4	NE	3	2	10	'012	● a and p.		
18	'89	'79	48°4	50°6	46°1	51°7	1°9	0°0	'293	'369	87	100	NE	2	ESE	3	10	10	'552	Overcast day.	● n.	
19	'66	'63	54°4	53°2	50°4	56°8	0°1	0°9	'422	'380	99	94	SW	2	SW	3	10	4	'007	Overcast a.	Fine p.	
20	'55	'45	54°6	51°3	51°3	55°6	0°6	2°2	'409	'319	96	84	SSW	3	SW	2	8	3	'012	Dull day.	● n.	
21	'38	'39	51°9	49°6	49°6	54°7	1°6	1°8	'344	'310	89	88	SW	2	WSW	2	3	3	'370	● rra.	Fine day.	
22	'18	'21	49°3	44°7	42°8	50°8	0°1	0°5	'350	'284	99	96	SE	2	WNW	2	8	2	'857	Overcast, with ●	● n.	
23	'34	'56	47°4	44°2	41°2	51°8	1°9	1°2	'282	'263	87	91	NNW	4-5	NW	2-3	10	3	'318	Cloudy, with ● showers.	● n.	
24	'37	29°09	51°2	51°2	38°2	53°0	2°2	2°3	'371	'319	99	84	SSW	4	SSW	4-5	10	7	'236	Squally	● n.	
25	29°07	28°87	52°0	51°2	50°5	57°2	2°2	'318	'320	82	85	SE	4	SSE	3	10	10	'099	● showers.	△ 1.30p.-3.30p.		
26	28°93	29°02	49°4	46°6	46°0	53°5	1°8	'266	'307	'258	88	82	Calm	0	WSW	3	8	4	'252	Dull day.	● showers p.	
27	29°15	28°90	44°3	42°0	35°7	47°7	1°5	1°2	'258	'241	88	91	NNW	1	NNW	5	4	10	'504	— a.	Dull day.	
28	28°92	29°08	46°0	49°0	41°0	49°2	2°0	4°2	'265	'251	86	72	W	3	SE	5-6	8	10	'104	Fine day.	● 6.30p.	
29	29°20	'16	48°7	47°4	47°0	51°4	2°7	2°6	'279	'267	81	83	SSE	6	WSW	4	10	3	'414	Squally	(gale).	
30	'42	'64	49°1	50°0	46°2	51°7	1°7	3°0	'307	'286	88	80	WSW	5-7	W	3-4	10	10	'003	Squally	(gale).	
31	29°70	29°63	48°6	50°5	45°0	53°0	3°0	0°3	'279	'360	79	97	SW	1	ESE	1	6	10	'202	Dull day.	● 4p.	
Mean	29°351	29°333	51°3	50°2	46°6	54°7	1°5	1°2	'342	'336	89°5	91°5		3°4	3°3	7°5	7°4	9°174				



## STONYHURST.—OCTOBER 1903.

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, +0.23 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.	Percentage.		9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.		
1	ins.	ins.	56.0	51.0	50.0	58.2	1.5	0.3	405	366	90	98	S	2	4	ins. 0.20 (mist) a. 0.2 4p-5p. n.	
2	29.40	29.31	51.6	48.2	47.4	56.0	0.3	0.2	374	332	98	99	WSW	2	5	0.2 showers. p.	
3	21	27	55.3	51.5	48.0	57.1	0.0	0.8	380	359	87	94	WhyS	5	10	Bright intervals a, then overcast.	
4	29.18	27	54.5	50.0	50.0	57.7	1.5	1.0	381	334	90	93	WhyS	2	9	Fine day. 0.20 (mist) p.	
5	28.98	29.04	54.0	52.3	50.0	57.2	2.7	0.9	342	368	82	84	SW	2	8	Squally. Threatening. p.	
6	29.17	28.82	52.8	50.3	50.8	58.2	2.8	0.0	325	322	81	80	SWbyS	1	10	0.2 a.-noon. (gale) p.	
7	40	29.41	43.8	50.0	43.3	55.7	0.3	0.5	279	348	98	97	NNE	1	10	0.2 a.-noon. (mist) p.	
8	23	09	49.5	49.8	48.7	50.7	0.3	1.0	347	333	97	93	NE	1	10	0.2 a.-noon. (mist) p.	
9	14	41	44.3	42.2	42.0	50.0	2.3	3.2	241	205	82	77	NW	2	10	0.2 a.-noon. (mist) p.	
10	50	29.44	41.8	44.3	34.5	50.0	2.2	1.8	3	227	218	86	74	Calm	0	10	0.2 a.-noon. (mist) p.
11	29.13	28.84	46.0	51.0	49.8	52.2	1.0	0.6	287	358	93	96	E by S	1	8	0.2 a.-noon. (mist) p.	
12	28.57	28.55	54.0	50.5	50.5	56.0	1.0	0.5	388	354	93	96	E	2	10	0.2 a.-noon. (mist) p.	
13	28.89	29.14	48.2	44.5	44.3	52.3	3.4	1.5	257	259	77	88	WhyS	5	9	0.2 a.-noon. (mist) p.	
14	29.20	28.98	48.9	52.0	41.8	52.2	1.4	0.2	312	383	91	99	SbyW	2	10	0.2 a.-noon. (mist) p.	
15	28.97	29.14	45.0	44.0	43.4	53.9	1.8	1.6	257	252	86	87	swbyW	3	10	0.2 a.-noon. (mist) p.	
16	29.14	08	46.0	47.0	42.5	49.2	1.0	1.0	287	298	93	93	WSW	3	10	0.2 a.-noon. (mist) p.	
17	47	63	49.0	48.2	46.5	52.9	3.8	2.7	259	272	74	82	NW	3	10	0.2 a.-noon. (mist) p.	
18	68	65	46.0	46.7	44.5	49.9	1.0	1.7	287	279	93	88	Calm	0	10	0.2 a.-noon. (mist) p.	
19	52	46	49.6	50.7	46.7	54.2	0.6	0.0	340	370	96	100	NbyE	2	10	0.2 a.-noon. (mist) p.	
20	38	59	53.8	51.0	50.5	54.5	0.6	0.2	397	369	95	99	SbyW	4	10	0.2 a.-noon. (mist) p.	
21	25	29.21	49.0	45.8	45.7	53.2	2.0	0.8	298	289	86	94	swbyW	1	10	0.2 a.-noon. (mist) p.	
22	02	28.93	46.5	46.0	44.8	48.7	0.5	1.0	304	287	96	93	Calm	0	7	0.2 a.-noon. (mist) p.	
23	16	29.32	45.3	42.0	41.5	49.9	1.0	2.0	279	225	92	85	WhyS	1	10	0.2 a.-noon. (mist) p.	
24	29.23	28.93	42.4	52.0	37.5	52.0	1.4	1.5	241	348	89	90	S	3	10	0.2 a.-noon. (mist) p.	
25	28.96	69	47.3	51.0	44.8	55.7	1.3	1.5	294	336	91	90	S by E	3	10	0.2 a.-noon. (mist) p.	
26	28.77	82	51.5	45.4	45.0	53.5	1.6	0.7	339	288	80	96	SSE	3	10	0.2 a.-noon. (mist) p.	
27	29.00	67	44.0	53.3	42.8	53.6	1.0	1.5	265	365	92	90	Calm	0	9	0.2 a.-noon. (mist) p.	
28	28.70	28.98	44.6	43.6	42.2	53.9	0.2	2.4	289	232	98	82	WSW	1	10	0.2 a.-noon. (mist) p.	
29	29.12	29.03	45.5	46.3	43.6	49.7	1.6	0.5	268	302	88	97	SSE	2	10	0.2 a.-noon. (mist) p.	
30	22	41	48.0	48.7	45.2	49.3	1.7	1.7	302	301	88	88	S by E	4	10	0.2 a.-noon. (mist) p.	
31	29.54	29.43	45.3	48.0	44.5	49.7	0.9	1.0	282	309	93	93	SW	1	10	0.2 a.-noon. (mist) p.	
Mean	29.173	29.144	48.4	48.4	45.0	53.1	1.4	1.3	307	312	89.8	91.1	2.0	2.1	9.5	8.2	10.832

## HILLINGTON.—OCTOBER 1903.

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.

1	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Sun and cloud. shower p.
2	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Sun and cloud.
3	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 ga. Sunny day.
4	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 till ga. Sunny day.
5	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 till ga.
6	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 early and 10a-3p. (gale).
7	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Very dull at first. Very damp p.
8	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 early and 8p.
9	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 11a-5p.
10	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Very fine and warm.
11	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 6a-9p.
12	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 10a-1p. 3p.
13	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Very fine and pleasant.
14	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Very red sunrise. from 2p.
15	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 early. Very fine. p.
16	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 2. Very fine. 3p. 4p.
17	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 6a. Very fine.
18	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Sun and cloud.
19	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 early and 3p-6p.
20	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Dull day. p.
21	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Dull day. in afternoon.
22	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Sun and cloud.
23	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Cloudy day.
24	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 n.
25	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Sun and cloud. 4p. and n. 3p.
26	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 showers.
27	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	0.2 a. Cloudy day.
28	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Fine and sunny, then dull.
29	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Cloudy day.
30	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	Beautiful day.
31	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	
Mean	29.83	29.67	60.0	57.2	51.2	69.7	1.9	0.5	456	453	88	96	SW	1	SW	2	6	8	0.7	

Note.—The observations at Churchstoke were discontinued after June 30th 1903.

## CAMBRIDGE.—OCTOBER 1903.

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. at Station Level.		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 Pressure.		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.	60.1	57.9	50.4	70.2	1.1	1.7	.483	.428	93	89	S	1	Calm	0	10	10	ins. — Cloudy day.	
2	29.77	29.65	60.1	57.1	57.8	49.9	64.2	2.8	1.5	.384	.433	82	90	SSW	5	SSW	2	8	10	— Fine day.
3	29.77	29.65	62.0	57.7	51.7	65.9	2.3	1.7	.478	.351	87	88	SW	4	SSW	2	10	10	10	143 ● a. Fine day. ● 2 n.
4	29.77	29.65	59.3	54.3	50.9	63.9	1.9	2.3	.444	.357	88	84	W	2	SSW	3	10	2	440 Cloudy day. ☐	
5	29.77	29.65	60.5	53.1	51.7	62.8	1.5	3.2	.477	.319	91	78	SSW	3	SSW	6	10	0	200 ● (gale) ● 2 10.30a.	
6	29.77	29.65	54.3	58.5	50.5	58.1	0.9	5.2	.396	.344	94	70	SSSE	1	SSW	9	10	5	264 ● most of day. (gale).	
7	29.77	29.65	58.3	55.6	51.7	61.8	3.6	1.6	.378	.396	78	89	SSW	2	SSW	1	9	10	664 Cloudy day. ● 9 sp.	
8	29.77	29.65	60.1	59.1	53.0	64.1	0.4	0.9	.506	.473	97	94	SSW	1	Calm	0	10	10	688 ● a. Cloudy day.	
9	29.77	29.65	52.8	46.7	45.3	60.3	3.3	2.0	.314	.272	78	86	SSW	3	NNW	4	10	10	— Cloudy day. ∞ p.	
10	29.77	29.65	48.3	42.4	37.3	57.4	4.3	1.6	.241	.237	71	88	NNW	2	Calm	0	2	8	109 Fine day. ∞ ∞. ● n.	
11	29.50	29.25	50.7	53.7	39.3	54.2	0.7	0.4	.352	.402	95	97	SE	2	ESE	2	10	10	790 ● nearly all day.	
12	28.97	28.79	57.3	49.2	48.5	61.5	0.8	0.3	.446	.342	95	98	SSE	2	Calm	0	10	0	254 T 10.30a. ● most of day.	
13	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
14	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
15	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
16	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
17	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
18	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
19	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
20	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
21	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
22	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
23	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
24	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
25	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
26	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
27	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
28	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
29	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
30	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
31	29.35	29.59	53.6	47.3	46.1	58.9	5.4	1.4	.275	.292	67	90	SSW	4	SSW	3	10	0	013 Clear a. ● showers afternoon.	
Mean	29.550	29.542	53.6	50.7	45.1	58.8	2.0	1.6	.362	.333	86.8	88.9	2.5	2.6	7.1	6.3	4.777			



## SOUTHAMPTON.—OCTOBER 1903.

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. at Station Level.		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 Pressure.		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.	58.7	57.1	52.2	66.7	0.8	0	in.	in.	%	%	SE	3	SW	4	10	10	ins.	☁ <sup>0</sup> a. Fine day.
2	73	67	60.6	60.0	50.4	64.9	3.6	0.7	415	498	79	96	SW	4	SW	4	2	10	0.080	Sunny a. Cloudy with ☁ p.
3	67	71	61.2	56.1	55.4	68.0	0.5	1.2	524	415	97	91	WSW	4	SW	4	10	10	0.242	☁ till 10 a. Sunny day.
4	63	76	59.8	57.0	55.5	66.6	2.8	1.1	426	431	83	92	WSW	4	SW	4	7	10	0.640	☁ 4a-7a. Fine and sunny.
5	54	62	60.0	56.8	56.4	61.6	0.9	1.7	488	411	95	89	SW	5	SW	4	10	10	0.800	☁ (force 7) early a.
6	53	58	57.6	57.0	53.6	62.2	0.6	2.3	457	398	96	85	SW	4.5	SW	5.5	10	5	0.315	☁ 8a-5p. Squally ☁ (force 8).
7	83	75	58.2	57.1	52.9	64.4	2.1	1.0	421	436	87	93	SW	3	SE	4	10	10	1.75	Fine, but cloudy.
8	52	36	59.3	55.0	54.4	61.0	0.6	0.6	486	415	96	96	SW	3	NW	3	10	10	0.550	Gloomy, with ☁.
9	56	72	56.8	48.9	48.4	61.6	3.6	1.9	359	299	77	87	W	4	NW	3.5	5	5	0.015	Sunny day. ☁ 3p.
10	86	77	51.2	49.3	41.2	58.8	2.3	1.4	319	316	84	90	NW	3	SW	2	8	10	0.315	Fine and sunny. ☁ <sup>0</sup> p.
11	29.47	29.22	53.6	57.6	49.1	58.1	0.3	0.7	404	454	98	95	SE	5.5	SSW	4.5	10	10	1.880	☁ 5a-9p. ☁ <sup>0</sup> most of day.
12	28.96	28.97	57.2	54.2	53.8	62.8	0.5	0.4	453	409	97	98	SW	4	W	3.5	10	1	0.480	☁ <sup>0</sup> most of day.
13	29.44	29.65	55.8	51.3	49.5	60.4	4.9	1.5	317	339	71	90	SW	4.5	SW	4.5	1	10	0.460	Fine a. ☁ p.
14	70	58	57.2	58.0	50.8	59.4	2.9	1.5	383	436	82	90	SW	4.5	SW	5.5	10	10	0.60	☁ <sup>0</sup> most of day.
15	48	67	53.8	47.8	47.4	59.6	1.9	1.8	361	288	87	87	SW	4	SW	3	1	0	0.025	☁ <sup>0</sup> 1p. Squally ☁ (force 9).
16	70	69	52.8	48.3	43.0	58.5	3.9	2.0	300	289	75	86	SW	4	SW	4	0	1	0.105	☁ <sup>0</sup> a. ☁ 3p.
17	29.77	29.99	53.8	46.0	46.0	58.7	3.2	1.5	327	276	79	90	NW	4	NW	3	5	0	—	Fine and sunny.
18	30.03	30.04	48.8	51.1	43.5	57.3	1.7	1.9	303	327	88	86	NW	4	NW	4	10	10	0.190	☁ <sup>0</sup> a. Fine but cloudy. ☁ <sup>0</sup> p.
19	29.97	29.92	54.8	53.2	49.8	55.4	1.7	0.3	381	397	89	98	SW	3	S	3	10	10	0.230	☁ <sup>0</sup> most of day.
20	84	69	54.6	54.9	52.9	57.8	1.8	1.0	375	403	89	94	SSW	3	SSW	3	10	10	0.180	☁ <sup>0</sup> a.
21	66	65	53.1	47.4	47.3	55.9	0.5	0.4	390	317	96	87	SW	3	SW	3	10	0	0.830	☁ <sup>0</sup> a. and p. Sunny intervals.
22	40	40	53.7	49.3	46.6	57.3	1.8	2.0	362	302	88	86	SW	4	SW	4	8	1	0.250	☁ <sup>0</sup> a. and p. ☁ <sup>0</sup> (force 7) p.
23	45	71	49.8	44.4	43.2	54.7	1.9	1.7	310	255	87	88	W	4	NW	4	6	0	0.015	☁ <sup>0</sup> a. ☁ <sup>0</sup> showers (force 7) p.
24	72	44	48.7	54.7	37.4	56.4	1.3	0.8	311	406	91	95	SE	3	SW	6	10	10	0.530	☁ <sup>0</sup> a. ☁ <sup>0</sup> showers (force 7) p.
25	36	18	55.4	55.1	49.8	60.6	1.4	1.0	398	405	91	93	SW	4.5	SW	5.5	10	10	1.110	☁ <sup>0</sup> a. ☁ <sup>0</sup> showers (force 7) p.
26	19	31	51.8	50.3	49.9	56.6	0.7	0.9	366	342	95	94	SW	4.5	SW	4	10	10	0.660	☁ <sup>0</sup> a. ☁ <sup>0</sup> showers (force 7) p.
27	28	01	52.8	56.6	46.9	58.0	1.0	1.9	372	403	93	87	SE	3.5	SE	4	10	10	0.650	☁ <sup>0</sup> a. ☁ <sup>0</sup> showers (force 7) p.
28	11	36	47.8	52.3	45.9	57.1	0.8	2.2	312	334	94	85	SW	4	SW	4.5	8	8	0.430	☁ till 7a. Fine and sunny.
29	50	54	49.1	51.4	48.2	56.3	0.9	1.3	326	346	93	91	SW	4	SW	4	10	10	0.235	☁ <sup>0</sup> showers a. Sunny p.
30	74	90	52.3	42.9	42.0	56.4	1.9	1.4	341	246	87	89	SW	3.5	W	3	0	0	0.008	Sunny day.
31	96	79	40.2	55.7	56.3	60.2	0.3	0.3	245	435	98	98	SW	2.5	SW	3	10	10	0.310	☁ <sup>0</sup> a. ☁ <sup>0</sup> p. ☁ <sup>0</sup> p.
Mean	29.595	29.591	54.2	52.8	48.3	59.7	1.7	1.3	377	369	88.9	91.1	3.8	3.9	7.8	7.1	11.048			

## PLYMOUTH.—OCTOBER 1903.

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

1	29°'69	29°'68	59°'3	56°'1	55°'5	61°'1	1°'5	1°'2	*457	*415	91	91	S	5	WSW	4	10	7	°09	Overcast, with ☁ showers.
2	°70	°68	58°'5	56°'0	54°'9	60°'6	1°'5	0°'2	*443	*511	90	99	SW	4	WSW	4	10	10	°29	Overcast, with ☁ all day.
3	°68	°67	60°'3	58°'5	56°'9	63°'9	2°'3	0°'7	*449	*468	86	96	WSW	4	SW	4	10	10	°18	Fine and sunny.
4	°64	°66	59°'3	58°'5	55°'0	63°'6	2°'7	0°'7	*420	*468	84	96	W	4	SSW	5	5	10	°46	Sunny a. Frequent ☁ showers p.
5	°52	°61	56°'8	55°'7	55°'3	60°'6	2°'1	1°'2	*400	*410	86	93	WSW	7	W	3	10	8	°22	Frequent ☁ showers.
6	°53	°63	60°'4	56°'8	53°'4	61°'1	0°'2	2°'3	*519	*394	99	85	SW	7	W	5	10	9	°06	☁ showers.
7	°76	°65	58°'3	55°'5	54°'8	60°'9	1°'6	0°'1	*438	*438	89	99	WSW	2	SE	4	10	10	°10	Overcast all day.
8	°44	°47	57°'8	53°'4	52°'8	58°'9	1°'1	1°'5	*446	*366	93	90	N	2	NW	4	10	8	°55	Frequent ☁ showers.
9	°57	°75	53°'9	49°'6	48°'8	57°'9	1°'9	1°'7	*361	*313	87	88	W	3	NW	4	6	4	°08	Sunny intervals.
10	°83	°60	51°'8	54°'0	45°'0	57°'7	3°'4	2°'1	*300	*357	77	85	Calm	0	SSE	7	7	10	°51	Sunny day. ☁ n.
11	29°'29	°04	57°'8	59°'1	52°'9	59°'7	0°'2	1°'0	*472	*469	98	94	SSW	5	SSW	7	10	10	°24	Squally ☁ showers.
12	28°'82	°04	57°'5	55°'8	53°'0	59°'3	1°'5	0°'9	*427	*420	90	94	SW	6	W	6	10	9	°14	Frequent ☁ showers.
13	29°'42	°60	53°'7	54°'0	49°'6	57°'7	3°'5	1°'8	*319	*366	77	87	WSW	5	SW	4	4	3	°14	Sunny a. ☁ showers p.
14	°60	°46	56°'3	56°'8	53°'1	57°'9	0°'1	0°'5	*450	*447	99	96	SW	6	SW	8	10	10	°53	☁ all day.
15	°50	°65	52°'3	50°'1	47°'0	57°'2	3°'4	3°'0	*305	*287	77	80	W	4	W	4	2	10	°12	Sunny intervals. ☁ showers.
16	°69	29°'76	51°'6	50°'9	46°'5	56°'6	3°'3	3°'9	*299	*277	78	75	W	5	W	5	7	1	°07	Sunny intervals. ☁ showers.
17	29°'86	30°'01	52°'0	50°'4	48°'3	56°'6	3°'5	2°'0	*269	*315	77	87	NNW	5	NW	1	7	3	—	Fine day.
18	30°'01	29°'97	52°'3	55°'0	45°'0	58°'5	2°'8	2°'1	*320	*372	81	86	Calm	0	SW	3	10	4	°21	Fine, but overcast.
19	29°'86	°81	56°'7	56°'0	53°'8	56°'9	0°'1	0°'6	*457	*431	99	96	SW	4	SSE	5	10	10	°07	Overcast, with ☁.
20	°72	°63	55°'9	55°'1	53°'9	57°'3	1°'4	1°'4	*407	*394	92	90	SSE	6	SW	3	10	8	°13	Overcast, with ☁.
21	°61	°61	53°'7	51°'6	51°'1	58°'8	1°'5	1°'7	*370	*338	89	88	NNW	1	SW	4	4	9	°37	Sunny day. ☁ showers.
22	°28	°44	54°'2	48°'7	47°'9	57°'6	1°'6	1°'9	*375	*298	89	87	WSW	6	NNW	3	9	0	°20	☁ showers.
23	°49	°74	52°'3	46°'7	46°'7	53°'9	3°'5	2°'0	*302	*272	77	86	NW	4	Calm	0	6	0	°11	☁ showers.
24	°59	°35	54°'4	53°'4	46°'7	56°'5	1°'2	2°'5	*389	*340	92	83	S	6	SW	4	10	3	°43	☁ showers.
25	°16	°05	57°'0	55°'7	49°'6	58°'9	2°'8	3°'0	*383	*351	82	81	SSW	8	SSW	7	9	4	°23	☁ showers. ☁ p.
26	°06	29°'27	51°'3	50°'2	48°'9	55°'6	2°'5	2°'0	*315	*312	82	86	SW	7	WSW	5	9	10	°72	☁ showers a. and p.
27	°08	28°'97	52°'5	46°'2	45°'1	56°'7	0°'6	1°'9	*378	*270	95	87	SE	6	NW	4	10	4	°57	☁ a.
28	°11	29°'19	45°'0	59°'9	40°'8	54°'2	2°'3	2°'7	*247	*328	83	82	Calm	0	SW	7	6	9	°11	Sunny day. ☁ showers p.
29	°42	°51	45°'0	50°'0	38°'8	54°'9	1°'7	0°'7	*260	*351	87	95	Calm	0	W	5	10	10	°19	☁ a.
30	°76	°90	50°'9	47°'5	46°'0	53°'9	3°'7	2°'5	*282	*269	76	82	WNW	3	WNW	4	2	7	°06	☁ showers. Sunny intervals.
31	29°'84	29°'73	53°'2	54°'1	38°'5	56°'5	0°'8	0°'5	*383	*495	95	96	SSE	5	W	3	10	10	°44	☁ nearly all day.
Mean	29°'533	29°'552	54°'6	53°'5	49°'5	58°'1	1°'9	1°'6	*377	*369	87°'0	89°'0	4°'2		4°'4	8°'0	7°'1	7°'62		



## DUBLIN (PHOENIX PARK).—OCTOBER 1903.

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 82° Fahr. at Station Level.		Air Temperature.				Humidity.				Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.				
							Dep. of Wet.		Vapour Pressure.		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	29.47	29.45	57.5	53.6	53.1	61.9	4.6	1.9	.344	.358	73	87	S	2	SW	1	2	3	ins.	Cloudy, with showers.
2	47	46	54.5	55.2	50.9	61.7	2.7	0.6	.350	.419	82	96	WSW	2	Calm	0	6	9	.115	Cloudy, with showers.
3	46	34	55.7	56.7	51.9	59.8	2.7	2.5	.368	.387	83	84	WSW	1	W	1	7	5	.015	Cloudy day. 5p.-8p.
4	41	30	54.7	56.1	48.9	61.8	3.6	3.4	.331	.357	77	78	SW	1	S	1	6	8	—	Fine, but cloudy.
5	12	30	54.6	53.0	50.4	60.0	4.9	2.6	.298	.332	71	82	SW	4	SW	2	3	5	.215	2 showers a. 10a.
6	20	37	49.6	50.1	48.9	63.8	1.5	2.2	.317	.306	90	84	Calm	0	W	2	10	8	.255	2 a. Cloudy day.
7	56	55	54.4	50.6	49.7	59.6	2.8	1.0	.346	.343	82	93	SW	1	Calm	0	6	7	.090	Fine, but cloudy.
8	44	44	51.3	45.1	44.7	60.6	0.9	0.3	.354	.293	94	97	Calm	0	Calm	0	8	3	.005	Fine, but cloudy.
9	52	71	49.4	45.4	41.8	52.5	3.9	0.9	.262	.283	74	94	Calm	0	Calm	0	10	2	.015	0 showers a.
10	72	29.39	46.6	49.9	37.8	53.1	2.7	2.2	.256	.304	81	86	Calm	0	SE	3	2	10	.130	Bright a. Cloudy p.
11	29.07	28.84	57.2	56.1	49.1	59.3	3.6	1.5	.365	.407	78	91	SE	1	SE	1	10	10	.208	Overcast all day. 2 p.
12	28.65	28.81	55.0	50.6	50.1	60.8	2.4	1.0	.365	.343	85	93	Calm	0	W	2	5	10	.120	Cloudy, with showers.
13	29.14	29.33	47.6	45.1	43.0	51.7	3.3	2.9	.254	.236	77	78	SW	2	SW	2	3	0	—	Fine, but cloudy.
14	33	05	51.2	50.0	43.9	55.1	3.0	2.4	.302	.300	80	84	SW	1	SW	3	9	3	.015	Cloudy, with showers.
15	22	40	47.3	41.2	40.4	53.5	2.9	1.5	.259	.227	80	89	WSW	2	WSW	1	2	2	.120	Bright a. 2 showers p.
16	39	57	44.9	46.6	40.0	52.8	1.9	3.1	.254	.242	85	79	SW	2	W	2	6	3	.010	Cloudy day. 0 showers p.
17	87	95	49.8	46.4	45.4	54.9	2.6	1.5	.293	.280	82	89	W	1	Calm	0	7	4	—	Fine, but cloudy.
18	88	70	48.4	55.1	44.9	55.7	2.0	1.0	.291	.405	86	93	Calm	0	Calm	0	10	6	.090	Dull day. 4p.-6p.
19	63	58	53.6	51.2	50.7	58.9	1.2	2.1	.378	.323	92	86	SW	1	SW	1	9	3	.048	0 showers 10a.-2p.
20	50	42	53.6	48.4	46.4	57.8	2.4	3.1	.344	.267	83	79	S	1	S	2	8	1	—	Fine, but cloudy.
21	41	37	50.6	45.5	44.9	55.7	3.1	1.2	.292	.277	79	91	SW	1	Calm	0	3	8	.100	Fine and sunny.
22	15	26	48.6	44.5	43.5	49.7	0.3	1.5	.335	.259	98	88	Calm	0	WSW	1	10	1	.080	0 ga.-11a. Cloudy p.
23	45	61	46.6	38.2	36.3	51.9	2.3	0.7	.265	.216	84	95	W	1	Calm	0	2	1	—	Fine and sunny.
24	29.31	29.05	52.4	48.6	33.3	56.5	2.8	3.0	.321	.271	82	79	SSW	2	SW	2	10	1	.065	Dull day. 2 p.-4p.
25	28.93	28.76	52.0	45.1	44.7	56.3	1.4	0.9	.351	.279	90	93	SE	1	Calm	0	9	3	.150	0 showers all day.
26	28.89	29.07	50.4	42.5	41.2	51.6	2.4	1.2	.305	.246	84	90	Calm	0	Calm	0	6	3	.030	Fine, but cloudy.
27	29.14	28.99	39.9	38.1	32.0	45.6	1.0	1.4	.226	.202	92	88	Calm	0	Calm	0	4	7	—	Fine, but cloudy.
28	28.99	29.00	37.5	43.4	29.4	48.8	2.3	0.2	.181	.276	81	99	Calm	0	Calm	0	2	10	.183	Fine and sunny.
29	29.04	22	45.6	48.1	38.1	52.8	1.9	1.6	.263	.296	86	89	S	4	SW	1	10	7	.215	2 ga.-11a.
30	51	72	46.9	42.5	41.2	50.5	3.3	2.3	.247	.224	78	82	WSW	2	SW	1	3	0	—	Fine, but cloudy.
31	29.67	29.68	43.5	49.4	33.4	53.8	0.6	2.2	.269	.298	95	85	Calm	0	W	1	10	4	.055	Dull day, with 4p.-7p.
Mean	29.339	29.344	50.0	48.1	43.5	55.8	2.5	1.7	.303	.299	83.4	87.7	1.1	1.0	6.6	4.7	2.339			

## BIRR CASTLE.—OCTOBER 1903.

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	29°39	29°42	55°6	53°6	52°0	61°3	2°4	1°0	375	383	84	93	S	3	SW	3	10	10	140	● showers.	
2	46	42	54°7	56°7	50°1	60°7	1°8	0°7	377	438	88	95	SW	2	S	2	9	10	180	● showers.	
3	45	31	54°9	52°8	50°3	60°6	3°5	1°1	336	369	77	92	WSW	1	SW	1	3	7	076	● showers.	
4	37	18	55°5	55°7	47°2	60°4	3°6	2°5	343	374	77	84	SW	2	S	6	3	10	070	Fine and bright a.	
5	12	29	53°7	52°9	48°0	59°0	3°4	2°3	322	339	78	85	WSW	5	W	4	5	3	325	● showers. Sunny day.	
6	09	36	51°2	50°5	48°3	61°9	0°8	1°1	355	339	95	92	S	2	SW	2	10	10	093	● showers.	
7	55	51	53°4	50°6	46°8	58°4	1°8	0°7	358	351	88	95	SW	3	Calm	0	3	10	200	● showers.	
8	47	52	46°3	43°9	42°8	51°4	0°2	0°7	309	270	99	95	Calm	0	NW	1	10	0	022	☁ Cloudy day.	
9	54	71	46°7	42°7	39°8	50°9	1°0	1°3	296	246	93	89	W	3	W	1	10	1	045	Cloudy, with ● showers.	
10	29°69	29°19	42°7	50°7	35°0	53°2	0°5	1°0	263	345	96	93	NE	1	SE	7	3	10	270	Fine a. in evening.	
11	28°94	28°71	56°7	55°7	49°9	58°1	2°6	1°6	384	398	84	90	S	4	SE	3	10	10	548	Overcast, with ●2 showers.	
12	28°59	28°87	54°2	50°3	46°0	57°5	1°1	1°9	388	316	93	87	S	2	W	6	6	8	105	● showers.	
13	29°11	29°29	45°7	43°7	41°7	52°3	2°1	1°6	260	249	85	87	W	4	SSW	3	8	7	078	● showers.	
14	26	07	49°3	46°9	42°4	54°1	1°7	1°4	308	288	88	91	S	2	WSW	3	10	5	178	●2 showers.	
15	25	40	47°7	40°9	39°8	54°4	3°0	0°8	261	238	80	94	W	3	SW	2	4	2	428	● showers.	
16	42	67	46°5	48°2	39°8	54°9	1°5	2°9	281	268	89	80	W	2	WNW	6	3	5	008	T a.	
17	89	96	49°1	41°7	40°0	54°0	2°7	0°5	284	253	81	96	WNW	2	NW	2	5	7	—	Fine day.	
18	82	65	48°3	54°2	41°3	54°9	2°0	1°1	289	388	86	93	S	2	S	1	10	5	168	● showers.	
19	58	53	51°7	50°5	47°6	58°0	1°1	1°6	355	347	92	89	SE	2	SSW	1	6	3	037	Cloudy day.	
20	43	34	51°0	47°3	44°8	56°0	1°1	1°4	346	292	92	90	SW	2	SSE	3	6	2	—	Fine day.	
21	37	32	49°2	46°5	42°8	54°2	1°7	1°4	308	283	89	90	SW	2	S	2	5	10	221	● showers. Sunny day.	
22	17	27	46°7	45°4	42°8	50°1	0°5	1°4	307	271	96	90	W	2	W	3	10	3	112	● showers.	
23	50	57	45°7	40°9	39°0	52°4	1°8	1°0	267	235	87	92	NW	3	Calm	0	6	2	—	Fine and sunny.	
24	29°21	29°00	51°3	46°3	39°8	53°3	1°4	2°0	342	268	90	86	SE	2	SW	2	10	3	078	Overcast, with ● showers.	
25	28°82	28°69	50°4	45°5	44°0	53°0	1°0	0°8	341	287	93	95	SE	2	Calm	0	10	6	370	● showers.	
26	28°85	29°06	50°4	41°0	38°8	50°4	3°8	1°1	274	233	76	91	W	2	SW	2	10	7	100	● showers.	
27	29°08	28°97	37°0	31°5	29°8	47°3	0°9	0°8	202	159	92	89	NW	1	E	1	0	0	—	Fine and sunny.	
28	28°95	29°01	31°3	36°7	25°5	44°7	1°2	0°6	147	206	83	95	S	1	ESE	1	2	2	416	Fine and sunny.	
29	28°88	27°71	47°7	48°9	33°0	52°0	0°8	1°6	312	307	84	89	S	5	W	6	10	10	130	Squally / ●2 showers.	
30	29°55	29°72	47°9	40°9	38°3	51°7	0°5	1°8	321	218	97	86	W	5	S	1	5	2	040	Squally / a.	
31	29°57	29°72	47°7	44°0	37°3	54°2	0°9	0°9	309	267	94	93	SW	1	S	1	10	0	022	W 9p.	
Mean	29°303	29°320	49°0	47°0	42°1	54°7	1°7	1°3	310	297	88°3	90°5	2°4	2°5	6°8	5°5	4°460				

## DEERNES.—NOVEMBER 1903.

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. at Station Level.		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 Pressure.		Percentage.		Wind Direction and Force.							
							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.	48.0	49.0	43.2	50.8	0.7	1.3	317	315	95	91	Calm	0	SSE	6	7	6	ins.	Very fine. ☐
2	29.78	29.76	49.2	48.0	47.0	50.0	1.2	0.8	319	314	92	94	S	3	SW	2	10	9	39	Mild and muggy, with ☉.
3	72	71	49.2	48.0	47.0	50.0	2.0	2.2	255	281	85	85	SW	4	SW	7	2	6	155	☾ <sup>0</sup> showers.
4	29.98	30.19	48.0	49.0	46.0	50.0	1.8	4.4	290	247	87	71	W	5	W	4	6	9	—	Fine p.
5	30.19	30.0	50.0	51.0	47.7	51.0	3.8	4.8	269	259	75	69	WSW	5	W	7	9	10	—	Fine and dry, with ☾.
6	27	26	49.6	43.0	42.5	51.2	3.6	1.0	269	255	76	92	W	4	SW	1	8	0	—	Very fine. p. <sup>2</sup> .
7	30.15	30.05	43.4	46.2	41.0	46.8	0.9	2.8	262	250	93	81	SW	1	SSW	3	0	9	—	Very fine. p. <sup>2</sup> .
8	29.78	29.42	46.3	49.4	41.8	49.4	2.5	1.8	258	307	83	88	S	4	SS	6	8	10	10	☾ 6p.-7p.
9	37	28	43.0	42.7	38.8	50.0	3.0	1.7	215	237	78	86	SW	4	W	6	4	1	46	☉ showers p.
10	51	83	42.4	40.0	39.0	45.0	2.4	3.7	221	177	82	71	NW	5	NW	4	5	3	—	Very cold and dry.
11	95	80	41.2	49.0	37.5	49.0	2.3	1.0	210	322	82	93	WSW	1	S	4	4	8	12	☉ p.
12	62	80	48.2	45.0	43.2	52.0	1.9	2.0	290	253	87	85	W	5	SW	2	0	0	—	Very fine and mild.
13	62	32	46.3	51.0	43.0	51.0	1.8	2.0	277	323	87	86	S	6	SSE	7	10	10	3	Fair and mild.
14	17	16	47.0	44.4	40.4	51.3	2.5	2.4	264	240	83	82	SW	4	ESE	2	9	4	74	Very fine.
15	25	45	45.2	39.0	38.2	46.0	2.4	1.0	247	218	83	92	NNE	4	NW	5	10	2	11	Rough, with ☉ showers.
16	57	57	41.0	38.0	36.2	43.3	2.8	3.0	201	173	78	75	NNW	7	WNW	3	9	22	2	☉ showers a.
17	67	91	37.3	41.0	37.0	43.0	1.1	5.0	201	164	91	64	N	7	NNW	3	9	5	—	Rough a. Cold and dry p.
18	94	99	43.0	45.2	38.4	47.8	2.0	0.7	234	285	84	95	WSW	2	SW	1	10	8	—	Very fine.
19	81	65	48.0	43.0	41.6	49.0	1.4	2.5	299	225	90	81	SSW	4	SW	6	9	10	35	Mild and muggy. ☉ 9p.
20	29.21	32	39.0	39.2	37.8	48.0	1.0	3.2	218	179	92	75	WNW	9	NW	4	4	3	10	☉ showers a.
21	28.98	43	38.0	33.2	32.0	46.8	1.0	1.2	208	165	91	87	N	7	NW	8	10	5	25	☉ showers a. ☐ showers p.
22	29.63	38	38.4	46.3	39.8	48.6	3.0	2.8	176	252	76	81	NW	1	WNW	7	10	4	42	☉ 11a.-4p.
23	39	20	47.7	42.0	41.3	50.0	1.2	2.5	302	216	92	82	WSW	4	NW	7	8	4	20	Muggy, with ☉ till 6p.
24	61	62	36.8	37.0	34.0	43.0	1.8	2.5	184	174	85	79	W	5	WNW	6	5	1	28	☉ a. ☉ showers all day.
25	58	47	33.8	32.0	30.8	38.6	0.8	1.0	183	156	91	86	NW	4	NW	7	2	4	10	☐☐☐ showers. ☐ 3 ins. deep.
26	65	75	32.8	31.2	27.2	35.0	2.8	3.2	131	106	70	61	N	7	NW	1	6	2	—	☐☐☐☐☐ Thaw from 3p.
27	42	07	34.3	38.2	29.8	38.6	2.1	0.2	158	226	80	98	SE	4	NE	7	10	10	28	Thaw a. ~ p.
28	17	30	36.2	35.0	33.6	38.8	2.2	3.0	173	147	81	72	NE	7	N	3	8	4	28	☐☐



BRAEMAR.—NOVEMBER 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.		
							Dep. of Wet.		Vapour Pressure.		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.	41.8	46.4	39.2	49.7	0.6	0	in.	in.	%	%					ins.			
2	28.75	28.80	41.8	46.4	39.2	49.7	0.6	0	251	260	96	83	SW	0.5	SW	2	10	9	—	Fine day.
3	75	74	46.2	44.1	43.0	46.2	3.0	1.8	246	249	79	85	SW	2	SW	0.5	7	3	—	Dull and damp.
4	28.91	28.91	42.6	45.8	38.0	46.5	2.6	3.7	219	229	81	75	SW	2	SW	2	2	7	—	Fair a. Dull p.
5	29.08	29.24	44.8	44.2	41.2	48.2	3.6	2.5	220	236	74	81	SW	1	W	0.5	5	6	—	Fine day.
6	26	25	45.5	42.2	38.0	50.0	3.3	2.9	233	210	76	79	S	0.5	S	0.5	7	5	—	Fine day.
7	30	27	30.2	29.0	29.0	51.2	0.9	1.0	145	130	86	82	S	0.5	S	0.5	6	0	—	Fine day.
8	29.19	29.07	24.3	38.7	21.2	44.2	0.5	0.9	113	121	87	93	S	0.5	SW	0.5	0	5	—	Fine day.
9	28.83	28.54	43.6	46.3	36.4	46.7	2.6	0.9	228	293	80	94	SW	0.5	SW	6	2	9	—	Fine day.
10	49	47	38.3	33.8	33.8	47.7	2.0	1.1	192	219	83	92	SW	2	SW	0.5	5	8	—	Dull and damp.
11	60	86	42.3	42.7	37.4	45.1	3.5	3.9	201	198	75	73	SW	4	SW	0.5	7	5	—	Fair a. Dull p.
12	94	78	40.9	47.0	35.4	49.2	1.3	1.3	229	291	90	91	NW	0.5	SW	0.5	8	10	—	Fair a. Dull p.
13	73	82	49.0	49.3	37.8	51.2	3.7	1.5	261	313	75	90	SW	4	SW	0.5	5	0	—	Fair a. Dull p.
14	72	38	43.7	48.8	36.1	49.0	1.3	2.6	256	285	89	83	SW	4	SW	2	9	9	—	Fair a. Dull p.
15	27	18	41.3	37.3	35.2	48.8	1.9	0.8	221	207	85	94	SW	2	SW	0.5	5	3	—	Fair a. Dull p.
16	25	52	37.4	36.8	34.0	40.4	2.1	2.8	183	167	82	76	NW	4	N	2	10	4	—	Dark, with ☀.
17	54	68	35.8	35.0	33.2	39.0	1.8	2.7	177	153	84	75	N	4	N	2	3	4	—	☀ showers.
18	62	90	35.0	36.0	35.0	37.3	0.7	2.0	190	175	93	82	NW	8	NW	0.5	8	4	—	☀ showers. Dull day.
19	95	94	32.1	38.2	28.2	39.3	0.7	0.4	166	222	91	97	N	0.5	NW	0.5	8	10	—	☀ showers.
20	92	77	41.8	41.0	34.5	45.7	0.8	4.0	247	180	94	70	W	0.5	SW	4	6	8	—	☀ showers.
21	44	43	43.0	45.7	37.7	45.9	3.0	2.3	215	236	78	84	W	2	NW	1	9	6	—	Dull day.
22	15	53	42.5	37.2	32.7	46.2	3.5	4.2	202	148	74	67	NW	8	NW	8	10	10	—	Gusty, with ☀ showers.
23	58	59	37.8	47.8	35.1	47.8	1.1	3.2	206	258	91	78	SW	1	SW	6	10	10	—	Dull, with ☀ showers.
24	55	26	45.2	44.8	43.0	49.9	1.9	2.4	258	243	86	82	SW	2	SW	6	8	10	—	Dull, with ☀ showers.
25	73	78	35.5	35.9	33.9	45.0	3.0	2.8	153	160	73	76	W	1	N	2	2	2	—	Clear and cold.
26	67	59	34.2	31.2	29.8	36.6	1.9	0.4	160	165	81	94	NW	1	W	1	10	10	—	Dull, with ☀.
27	73	28.76	30.6	26.3	24.2	31.6	0.9	0.6	148	124	87	87	W	4	NW	0.5	5	7	—	
28	37	27.99	29.3	34.0	23.5	34.0	0.3	0.8	154	180	95	91	NW	0.5	NW	0.5	10	10	—	Dull a.
29	05	28.27	35.0	33.0	31.4	35.8	0.3	1.0	198	167	89	89	N	2	NE	0.5	10	6	—	Dull a. ☀ (sleet).
30	30	27	29.3	22.0	21.0	38.8	0.8	0.6	140	095	87	82	NE	0.5	NE	0.5	7	5	—	Fair and frosty.
30	28.30	28.46	28.0	31.7	20.2	31.7	0.0	1.0	133	155	100	87	NE	0.5	NE	0.5	6	10	—	Dull, with ☀.
Mean	28.662	28.669	38.2	39.3	33.3	44.0	1.8	2.0	199	206	85.0	83.7	2.1		2.0	7.0	6.5	1.99		

LAUDALE.—NOVEMBER 1903.

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

[illegible]

DUNDEE.—NOVEMBER 1903.

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. at Station Level.		Air Temperature.				Dep. of Wet.		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.	Vapour Pressure.		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.	39°8	46°0	38°7	49°0	0°3	0°5	in.	in.	%	%	SE	1	SW	1	10	10	ins.	∞
2	29°80	29°87	39°8	46°0	38°7	49°0	0°3	0°5	°239	°299	98	97	E	1	SW	1	10	10	°20	☉ from 1p.
3	°84	29°81	44°0	45°5	43°3	48°0	0°0	0°0	°288	°305	100	100	W	2	SW	4	10	10	°01	☉ n. ☉ showers 2p.
4	29°96	30°00	43°1	46°2	38°3	49°8	0°6	1°7	°265	°274	95	89	W	2	SW	4	10	10	—	☉ n. ☉ showers 2p.
5	30°16	°32	45°5	46°3	41°9	52°9	2°5	1°8	°248	°272	82	88	W	1	NW	2	5	5	—	☉ Cloudy from 2p.
6	°35	°37	41°5	41°1	35°5	50°7	0°5	1°6	°251	°224	96	87	W	1	NW	1	10	5	—	☉ Cloud and sunshine.
7	°36	°36	37°5	32°4	32°4	44°5	0°8	2°7	°209	°128	93	70	SW	2	NW	1	7	5	—	☉ ∞
8	°29	30°18	32°1	38°5	27°9	43°3	0°6	0°2	°169	°229	92	98	NW	1	W	1	5	0	—	☉ ∞
9	30°04	29°63	41°5	48°3	37°5	49°2	0°7	1°8	°248	°294	94	88	SW	1	SW	2	10	10	°05	Dull day.
10	29°57	°54	40°4	40°7	38°5	49°8	1°2	1°2	°226	°229	91	90	SW	2	SW	4	0	7	°01	☉ showers 11a.-2p.
11	29°67	°93	45°3	43°5	40°5	49°7	3°2	2°2	°233	°235	77	82	SW	2	NW	2	5	10	—	☉ Dull day.
12	30°03	°96	43°8	47°5	38°4	49°0	0°4	1°2	°276	°229	97	91	S	1	NW	2	10	5	°04	Dull, with ∞.
13	29°78	°91	51°7	38°9	39°6	54°8	1°0	0°4	°357	°229	93	97	W	2	W	1	7	5	—	☉ Fine day.
14	°80	°50	39°1	48°5	33°6	50°7	0°2	1°8	°233	°297	98	87	NE	1	SW	2	10	10	°05	Dull day.
15	°34	°23	43°1	39°0	38°8	50°7	0°4	0°5	°269	°228	97	96	SW	1	SW	2	0	10	°10	☉ n. and 3p.-6p.
16	°28	°53	40°8	38°5	37°0	46°3	1°8	2°2	°217	°190	86	82	W	2	NW	4	10	5	—	☉ Cloudy day.
17	°60	°73	37°5	37°0	34°2	46°6	2°2	3°5	°182	°157	81	72	NW	1	NW	4	5	0	°02	☉ Cloudy day.
18	29°65	29°96	39°0	36°7	34°2	42°9	3°9	2°2	°166	°177	71	82	NW	8	NW	2	7	10	—	☉ Cloud and sunshine.
19	30°05	30°00	35°5	38°5	33°1	45°1	1°7	1°7	°176	°199	85	86	NW	1	SW	2	10	10	—	☉ Dull day. ∞
20	29°85	29°85	42°4	42°0	36°3	46°9	0°3	1°0	°264	°245	98	92	NW	1	W	2	10	10	—	☉ Cloudy day.
21	29°46	°48	48°4	42°5	40°6	49°7	5°2	2°3	°225	°224	66	82	NW	4	NW	2	5	0	—	☉ Cloudy day.
22	°16	°60	45°5	37°4	36°3	51°7	3°5	2°9	°229	°171	75	76	NW	8	NW	4	7	5	°01	☉ (gale) ☉ showers.
23	°64	°62	38°4	47°4	33°0	50°6	0°6	2°1	°220	°277	95	85	SE	1	W	4	10	7	—	☉ Dull day.
24	°63	°27	45°9	48°8	44°9	50°9	1°4	1°1	°278	°318	91	92	SW	1	SW	6	5	10	°03	Dull day. ☉ from 6p.
25	°85	°86	39°7	38°5	38°3	50°8	0°0	0°0	°170	°192	70	83	W	2	W	4	0	7	—	☉ Cloud and sunshine. ☉ n.
26	°75	°66	36°2	34°2	33°5	40°1	0°7	1°5	°201	°168	94	84	NW	1	NW	4	5	10	°02	☉ showers 1p.-5p. ✱ 9p.
27	°77	°84	31°5	30°5	30°5	36°8	1°8	1°0	°136	°145	76	85	NW	2	NW	1	0	10	°12	Fine day.
28	°41	°00	33°3	32°9	30°0	34°6	1°1	0°2	°168	°183	88	98	SE	1	SW	1	10	10	°12	✱ n. ☉ from 4p.
29	°00	°25	39°1	35°5	31°7	39°9	0°6	1°1	°227	°186	95	90	NE	8	NE	6	10	10	°16	☉ n. and day. ☉ (gale).
30	°33	°28	30°4	27°5	27°2	38°7	1°2	0°8	°139	°126	81	84	NW	1	NW	1	10	10	—	☉ Cloudy day.
30	29°33	29°45	30°5	31°5	26°8	35°7	1°8	1°1	°127	°151	74	83	NW	1	NW	2	5	7	—	☉ Cloudy day.
Mean	29°730	29°732	40°1	40°1	35°6	46°3	1°5	1°5	°221	°219	87°6	87°2	2°1	2°5	6°8	7°3	0°94			

GLASGOW.—NOVEMBER 1903.

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°80	29°83	46°3	48°5	44°8	50°1	1°3	2°3	2°85	91	83	Cal'm	o	SE	1	10	10	'010	● a. Gloomy day. U 10p.	
2	29°78	29°84	46°4	44°5	44°5	49°1	1°8	1°0	2°95	87	92	SE	1	Cal'm	o	10	6	'050	Overcast, with ●.	
3	29°90	30°04	46°8	48°4	43°4	50°7	1°9	2°3	2°75	2°83	86	84	SW	1	W	2	8	7	'058	● early a. Fine day.
4	30°20	35	48°3	44°8	44°8	52°1	2°0	1°6	2°89	2°60	86	88	W	1	Cal'm	o	7	8	—	Fine, but cloudy. U 8p.
5	38	37	41°2	42°2	40°4	50°0	0°3	1°0	2°53	2°47	98	92	Cal'm	o	SW	1	7	8	—	2°0 a. and n.
6	37	34	42°3	39°8	39°0	45°1	0°3	0°2	2°63	2°40	98	99	Cal'm	o	Cal'm	o	10	10	—	2°0 a. and n.
7	30°28	30°14	36°5	44°3	35°3	45°8	0°3	1°7	2°10	2°54	97	87	Cal'm	o	Cal'm	o	10	10	—	Overcast, with 2°0.
8	29°90	29°60	45°1	49°2	44°0	50°1	1°7	1°3	2°61	3°18	87	91	S	1	SW	3	10	10	'254	Overcast. ● 2 n.
9	57	59	43°4	44°8	44°8	49°5	1°7	1°9	2°45	2°54	87	86	SW	1	W	2	6	7	'097	2°2 showers.
10	29°71	91	47°3	48°1	43°8	48°3	2°3	1°4	2°71	3°01	84	90	SW	1	NW	1	8	9	'033	● 2p.-3p. Dull day.
11	30°03	97	49°5	48°5	47°2	51°0	1°9	1°3	3°06	3°08	87	90	W	1	Cal'm	o	9	10	'120	2°0 early a. and 9p.
12	29°82	90	51°5	43°3	43°1	53°8	2°2	1°1	3°24	2°56	85	92	W	2	Cal'm	o	8	4	'028	2°0 showers a.
13	73	42	50°3	51°0	40°1	53°0	1°3	2°3	3°31	3°16	91	84	S	1	S	2	10	10	'236	2°0 a. and 9p.
14	29	21	44°3	40°7	40°1	51°5	2°1	1°5	2°45	2°22	84	88	SW	1	W	1	2	10	'096	Dull, with ● from 11a.
15	34	57	43°2	40°7	39°3	47°3	2°9	2°8	2°19	1°99	79	79	W	1	NW	1	8	3	—	Fine and clear p.
16	64	75	39°5	37°4	35°3	43°3	4°1	3°2	1°67	1°65	69	74	Cal'm	o	Cal'm	o	2	6	'010	2°2 a. Fine and clear.
17	29°73	29°97	41°9	38°5	36°1	44°0	5°7	3°7	1°62	1°66	61	71	NW	1	Cal'm	o	3	4	—	Fine and clear. U n.
18	30°04	30°00	33°6	41°4	30°7	41°4	1°6	1°1	1°60	2°38	83	91	Cal'm	o	Cal'm	o	9	10	'012	2°2 2°0.
19	29°01	29°89	44°9	44°9	41°4	47°1	0°9	3°4	2°76	2°25	93	76	SW	1	W	2	10	7	'030	Dull, with ●.
20	29°54	52	48°2	48°4	43°8	48°6	4°2	2°9	2°41	2°71	72	81	W	1	NW	2	8	9	'030	2° shower 6a. Cloudy day.
21	22	68	46°9	40°5	39°7	50°8	4°6	2°4	2°21	2°04	70	81	NW	5	NW	2	4	4	'056	Squally (gale) showers.
22	66	71	48°3	40°3	40°1	50°9	1°6	2°7	2°99	2°74	89	82	W	2	W	3	10	10	'006	2°0 a. Dull day.
23	64	30	48°4	51°2	46°9	51°3	2°0	0°9	2°91	3°53	86	94	W	3	W	2	10	10	'320	Overcast and squally. ● n.
24	87	91	40°9	39°4	39°3	51°2	4°9	1°6	1°65	2°10	64	87	W	1	W	2	3	6	'266	2°2 showers. Bright intervals.
25	79	73	39°1	34°7	34°2	41°7	1°4	1°0	2°11	1°82	89	91	W	1	W	1	7	2	'165	2°2 2°X 2°2 (sleet) showers.
26	83	29°82	35°2	36°1	34°1	38°2	2°5	0°6	1°58	1°83	77	86	NW	1	Cal'm	o	4	10	'267	● from 10p.
27	29°35	28°94	33°7	35°4	32°4	36°2	0°5	0°5	1°84	1°98	91	96	E	1	Cal'm	o	10	10	'270	X 2 till 3a. Overcast, with ●.
28	28°94	29°22	38°5	37°6	35°1	40°7	0°9	1°4	2°15	1°98	92	88	NE	1	E	1	10	9	'082	Overcast, with 2°0.
29	29°33	28	32°9	30°9	30°4	37°9	0°9	3°0	1°68	2°06	90	62	Cal'm	o	N	1	9	4	—	Cloudy day.
30	29°34	29°45	28°2	32°6	26°6	36°1	2°1	2°4	0°98	1°36	64	73	Cal'm	o	Cal'm	o	3	3	—	∞ a. U 2 p.
Mean	29°739	29°741	42°8	42°5	39°2	46°9	2°1	1°9	2°36	2°37	84°0	85°2	1°0	1°0	7°5	7°5	2°516			



## COCKLE PARK (NEAR MORPETH).—NOVEMBER 1903.

Height above Mean Sea Level, 324 feet. Heights above Ground:—Bar., 7 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 1° 41' W. Lat. 55° 13' N. Gravity Correction, +0.26 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	%	%	NW 1	SE 1	10	10	ins.	
2	29.65	29.74	47.0	48.0	42.0	50.0	1.0	1.0	.298	.309	93	93	SE 3	SW 3	10	10	—	Dull, with ☁.
3	.67	.66	48.0	50.0	44.0	50.0	1.0	1.0	.309	.334	93	93	SE 3	SW 3	10	10	.182	Dull, with ☁.
4	29.85	29.92	44.0	45.0	38.0	51.0	1.0	1.0	.265	.275	92	92	W 3	W 7	3	1	—	Very fine.
5	30.03	30.17	48.0	44.0	40.0	53.0	2.0	2.0	.285	.244	86	84	W 3	NW 2	1	1	—	Very fine.
6	.22	.21	41.0	41.0	39.0	51.0	1.0	1.0	.235	.235	92	92	W 3	W 3	6	1	—	Very fine.
7	.18	.20	42.0	37.0	35.0	57.0	3.0	1.0	.207	.200	78	91	W 3	Calm	0	3	0	Very fine.
8	30.12	30.04	41.0	38.0	31.0	51.0	2.0	1.0	.215	.208	84	91	NW 2	NW 1	2	0	.012	Very fine.
9	29.80	29.54	37.0	48.0	29.0	48.0	1.0	2.0	.200	.285	91	86	S 2	S 3	7	7	.006	Very fine.
10	.45	.47	43.0	44.0	41.0	51.0	1.0	2.0	.255	.244	92	84	SW 3	SW 4	2	6	.035	Fine day.
11	.54	.76	47.0	46.0	42.0	50.0	2.0	1.0	.275	.287	86	93	W 3	NW 2	9	9	.050	Fair a., then ☁ showers.
12	.87	.85	43.0	43.0	40.0	51.0	0.0	1.0	.277	.255	100	92	S 1	SW 3	10	1	.010	☁ a.
13	.70	.77	52.0	41.0	38.0	54.0	1.0	1.0	.361	.235	93	92	SW 3	W 2	10	0	.012	Dull day.
14	.70	.44	42.0	47.0	37.0	52.0	0.0	1.0	.267	.298	100	93	S 2	SE 3	10	10	.010	☁ a. Dull day.
15	.21	.11	44.0	37.0	36.0	51.0	1.0	1.0	.265	.200	92	91	W 3	SW 2	2	1	.020	Fine a. ☁ showers p.
16	.16	.32	40.0	39.0	34.0	44.0	1.0	3.0	.226	.181	92	77	W 5	NW 6	10	2	.010	Dull, with ☁ showers.
17	.38	.54	37.0	33.0	31.0	42.0	2.0	3.0	.182	.129	83	69	NW 5	NW 2	2	3	.195	Fine, but cold. ✱
18	.45	.71	39.0	36.0	31.0	41.0	3.0	1.0	.181	.193	77	91	NW 6	NW 3	5	2	.086	☁. ☁ showers.
19	.85	.86	39.0	32.0	30.0	42.0	3.0	1.0	.157	.157	77	87	NW 2	W 2	2	0	—	Fine day.
20	.86	.82	38.0	43.0	30.0	45.0	2.0	1.0	.190	.255	83	92	W 2	W 3	8	4	.012	Dull day.
21	.36	.33	46.0	44.0	40.0	49.0	1.0	2.0	.287	.244	93	84	W 5	SW 2	9	2	—	Dull day.
22	.01	.46	49.0	37.0	35.0	51.0	5.0	2.0	.235	.182	67	83	NW 10	NW 3	5	0	.038	Fine a. ☁☁☁ showers.
23	.50	.55	49.0	47.0	33.0	50.0	2.0	1.0	.298	.298	86	93	W 5	W 5	6	8	—	Fine, with ☁.
24	.58	.19	47.0	51.0	45.0	52.0	1.0	1.0	.298	.348	93	93	SW 5	SW 9	9	8	.025	☁☁ showers.
25	.69	.75	38.0	37.0	35.0	53.0	3.0	1.0	.173	.200	91	82	W 3	W 6	0	1	.005	Fine, with ☁.
26	.60	.52	40.0	36.0	34.0	43.0	1.0	2.0	.226	.175	92	82	W 7	W 5	7	0	.003	☁☁☁ showers.
27	.59	29.68	34.0	33.0	31.0	38.0	2.0	1.0	.156	.167	79	89	NW 5	W 3	1	6	.193	Fine, with ☁. ✱ n.
28	29.23	28.88	32.0	36.0	30.0	37.0	0.0	2.0	.182	.212	100	100	SE 1	SE 1	10	10	.095	☁☁☁ a. Dull day.
29	28.76	28.99	40.0	39.0	33.0	42.0	0.0	2.0	.247	.199	100	84	SE 1	NW 1	10	7	.310	☁☁☁
30	29.10	29.07	35.0	31.0	28.0	39.0	1.0	1.0	.184	.148	90	85	N 2	NW 4	9	2	.010	☁☁☁
31	29.07	29.18	30.0	33.0	24.0	33.0	1.0	0.0	.140	.188	83	100	N 3	NE 1	7	10	.772	☁☁☁ (8 ins. deep).
Mean	29.574	29.591	41.7	40.5	35.2	47.4	1.5	1.3	.237	.230	88.1	88.9	3.5	3.1	6.2	4.1	2.091	

## SCARBOROUGH.—NOVEMBER 1903.

Height above Mean Sea Level, 62 feet. Heights above Ground:—Bar., 65 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.25 in.

1	29.79	29.97	48.0	50.0	45.5	52.5	1.5	2.5	29.7	29.8	88	82	N 3	SW 4	10	10	☁ Overcast day.
2	29.97	29.95	49.0	49.2	47.0	52.0	1.5	1.7	30.9	30.6	89	88	SW 3	SW 4	6	8	☁ Overcast, with ☁.
3	30.18	30.29	45.5	44.0	42.5	54.2	2.0	1.5	25.9	25.4	85	87	W 2	W 2	2	2	☁ Very fine day.
4	34	38	43.5	46.5	35.0	53.5	1.5	2.3	24.9	26.3	87	83	W 4	W 3	6	4	☁ Dull day.
5	46	46	43.5	44.2	32.5	54.5	2.3	2.7	23.2	23.1	82	80	W 4	SW 4	4	6	☁ Fine day.
6	45	40	38.5	36.5	32.5	51.5	1.0	1.0	19.0	19.6	91	91	SW 3	SW 2	6	0	☁ a. and p. Fine day.
7	40	30.28	38.5	36.8	27.5	50.0	1.0	1.8	21.3	18.4	91	84	WSW 4	SW 4	6	6	☁ a. Very fine day.
8	30.13	29.76	41.5	43.0	35.0	46.8	1.5	1.0	23.0	25.5	87	92	SSW 4	SW 6	10	10	☁ Overcast day.
9	29.70	74	45.5	44.0	39.0	49.0	1.5	1.8	26.9	24.8	88	86	SW 6	SW 3	6	2	☁ Fine day.
10	29.78	29.89	51.0	46.5	43.2	54.0	1.5	1.7	33.5	27.6	89	87	W 6	WSW 4	10	10	☁ Overcast day.
11	30.13	30.10	45.5	48.2	43.5	51.0	1.5	1.2	26.9	30.7	88	91	SW 4	WSW 5	10	10	☁ Overcast day.
12	29.93	29.98	47.8	52.5	43.5	54.0	1.8	2.0	28.8	34.2	87	86	WSW 4	SW 4	10	8	☁ Overcast day.
13	30.00	77	49.0	51.5	42.0	53.5	2.0	1.0	29.7	35.5	85	93	SW 4	SW 6	8	10	☁ Very dull day.
14	30.50	39	49.0	44.5	40.5	53.0	1.0	1.7	32.2	25.5	92	87	SW 4	SW 6	8	4	☁ Fine day.
15	45	48	38.0	40.5	37.0	48.0	2.0	2.0	19.0	21.1	83	84	SW 6	SW 5	2	8	☁ Fine day.
16	57	63	37.8	40.5	35.5	46.2	1.8	0.7	19.2	23.7	85	94	NW 6	NW 4	10	10	☁ Dull day.
17	29.66	29.86	34.5	40.5	32.5	46.0	0.5	1.0	18.8	23.1	94	92	NW 3	NW 7	10	8	☁ Overcast, with ☁.
18	30.13	30.07	37.5	37.0	30.5	45.5	2.0	2.2	18.6	17.9	83	87	N 6	NE 6	6	6	☁ Fine day.
19	29.72	29.58	44.0	42.2	35.0	48.5	2.0	1.7	24.3	23.2	84	86	W 7	W 6	10	6	☁ Very fine day.
20	32	67	49.0	41.2	40.0	52.5	1.5	3.7	30.9	18.6	89	72	NW 8	NW 4	6	4	☁ Overcast day.
21	82	79	43.0	47.5	37.0	53.2	0.5	2.0	26.6	28.0	96	85	NW 8	NW 4	6	4	☁ (force 10) 4p.
22	87	77.3	47.5	48.2	42.5	52.0	2.0	1.0	28.0	31.2	85	92	NW 6	NW 5	4	4	☁ Dull day.
23	91	30.00	41.5	39.0	39.0	51.0	4.0	2.0	18.4	19.9	70	83	NW 6	N 4	8	10	☁ Very fine day.
24	93	29.74	37.5	39.0	36.0	48.0	2.5	1.0	17.7	21.8	79	91	NW 4	NW 8	10	10	☁ (gale) p.
25	81	89	37.0	37.0	35.5	48.0	2.8	2.0	16.9	18.2	76	82	NW 8	NW 4	6	8	☁ Fine day.
26	55	01	34.5	41.5	32.0	46.0	0.5	0.5	18.8	25.1	94	96	SW 4	SW 3	10	8	☁ ☁ a. Overcast day.
27	28.93	28.93	34.5	39.0	39.0	45.0	0.5	1.0	26.6	25.0	96	92	E 3	N 6	10	8	☁ Overcast day.
28	29.28	27	39.2	36.0	34.0	45.0	1.7	1.2	20.6	18.8	86	89	Calm	Calm	0	6	☁ ☁ a. Overcast day.
29	29.26	29.29	30.0	33.5	27.5	37.5	1.5	0.5	12.7	18.1	76	94	N 5	NW 3	6	8	☁ ☁ 5 ins. deep.
Mean	29.833	29.820	42.3	42.9	37.3	49.4	1.6	1.6	23.9	24.4	86.4	87.0	4.6	4.3	7.3	6.9	2.25

## CRONKBORNE.—NOVEMBER 1903.

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. at Station Level.		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 Pressure.		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° 84	29° 91	51° 4	49° 5	48° 2	55° 8	1° 7	2° 9	336	283	89	80	WNW 2	SE 3	10	10	ins. 498 Dull day.	
2	29° 84	29° 94	49° 6	44° 7	44° 7	54° 5	0° 2	0° 4	351	286	99	96	SE 2	W 2	10	2	230 Overcast, with ☁ (mist).	
3	30° 11	30° 21	48° 4	47° 6	40° 0	52° 3	2° 4	1° 8	281	286	83	88	S 1	W 2	2	2	008 a. Very fine. ☁ p.	
4	30	42	49° 4	40° 2	39° 5	54° 0	1° 6	0° 2	312	245	90	98	NW 2	NNW 1	6	2	010 a. Fine p. ☁ p.	
5	46	44	38° 4	42° 6	33° 7	52° 6	0° 9	0° 4	214	264	93	97	NW 1	ENE 2	2	0	002 a. Fine day. ☁ p.	
6	42	40	45° 4	48° 2	40° 3	50° 7	1° 6	2° 5	267	276	89	83	E 1	ESE 3	10	2	— Dull a. Fine p. ☁ p.	
7	33	30° 21	44° 5	36° 7	34° 0	49° 7	0° 5	0° 5	281	208	96	96	WNW 1	NNW 1	8	3	— Dull a. Fine p. ☁ p.	
8	30° 04	29° 79	48° 0	51° 7	35° 6	51° 7	1° 7	2° 2	292	327	88	86	S 3	SW 4	10	10	370 Overcast all day.	
9	29° 77	29° 80	47° 0	47° 0	41° 8	52° 6	3° 3	1° 6	247	284	77	89	WSW 2	W 4	2	10	040 a. Fine day. ☁ from 7p.	
10	29° 87	30° 05	52° 6	51° 7	45° 8	53° 8	2° 0	1° 2	343	352	86	92	W 5-6	WNW 4-5	10	10	004 Squally ☁ showers a.	
11	30° 12	30° 07	49° 8	51° 0	47° 3	51° 7	2° 6	1° 4	293	338	82	90	W 2	SSW 3	10	10	392 Overcast all day. ☁ n.	
12	29° 97	29° 97	53° 8	42° 2	38° 4	53° 8	0° 3	0° 3	407	263	98	97	WSW 2	WNW 2	10	8	276 a. Overcast all day.	
13	87	55	52° 0	51° 8	41° 0	53° 1	0° 6	1° 7	372	341	96	88	SSW 3-4	SSE 5-7	10	10	530 a. Squally ☁ p.	
14	38	37	48° 4	43° 2	42° 3	51° 8	3° 1	1° 9	267	238	79	85	SSE 3	W 4-5	10	8	108 Dull, with ☁ showers.	
15	48	63	42° 5	43° 8	39° 2	47° 8	1° 5	1° 8	239	246	88	86	WNW 2	NW 5	2	6	110 Fine day. ☁ p.	
16	73	29° 83	42° 0	39° 7	36° 8	45° 9	3° 6	3° 2	197	184	74	75	NNW 5	NNW 3	1	3	024 ☁ showers a. Fine day.	
17	29° 75	30° 01	44° 7	37° 8	36° 0	47° 0	5° 0	2° 8	195	175	65	77	NNW 5	NNW 3	0	0	— Fine day. ☁ p.	
18	30° 09	08	36° 7	34° 5	30° 4	48° 8	2° 5	0° 3	172	194	79	97	N 1	NNW 2	4	10	— a. Fine day.	
19	30° 11	30° 05	44° 4	45° 6	34° 2	48° 0	1° 4	0° 6	259	292	89	96	NW 1	WNW 2	10	10	022 Cloudy day. ☁ 9p.	
20	29° 75	29° 70	48° 2	50° 8	44° 0	51° 0	1° 1	0° 7	313	353	92	95	W 5-6	WNW 7	10	10	046 Squally ☁ showers.	
21	58	85	50° 6	45° 8	44° 2	51° 6	3° 1	3° 1	292	241	79	79	WNW 6-8	NW 7	7	4	078 Squally ☁ showers.	
22	86	92	50° 2	49° 0	44° 3	51° 2	1° 6	1° 8	322	303	89	87	WNW 5-6	W 4	8	7	017 Dull, with squally ☁.	
23	29° 88	29° 55	49° 6	52° 4	48° 0	52° 4	1° 4	0° 6	319	377	90	96	SW 4	SW 5-6	7	10	140 Dull, with squally ☁. ☁ n.	
24	30° 02	30° 09	44° 2	43° 1	41° 1	53° 0	3° 6	2° 1	214	233	74	83	NW 4	WNW 4	1	1	— Fine day.	
25	29° 98	29° 00	44° 5	41° 8	41° 8	45° 8	2° 7	2° 3	235	219	80	83	W 5	WNW 5-6	4	4	008 Fine, with squally ☁.	
26	94	29° 85	43° 0	41° 6	38° 5	43° 5	2° 8	0° 2	219	259	79	98	NW 5	SW 1	4	10	294 Dull, with ☁ showers.	
27	29° 42	28° 99	46° 8	45° 7	41° 0	50° 5	0° 5	0° 7	309	291	96	95	NW 1	NW 5-6	10	10	872 Overcast all day. ☁ n.	
28	28° 91	29° 16	46° 2	42° 0	41° 5	47° 0	0° 6	3° 3	290	202	96	76	WNW 2	ENE 4-5	10	10	524 Overcast, with ☁ all day.	
29	39° 32	31	39° 2	29° 5	29° 5	44° 3	2° 7	1° 1	188	134	79	83	NE 3	N 1	9	0	004 Dull day. ☁ shower. ☁	
30	29° 37	29° 45	32° 6	32° 6	27° 2	36° 8	3° 0	1° 1	124	162	67	87	N 1	N 2	0	3	— a. Fine day.	
Mean	29° 85 1	29° 85 0	46° 1	44° 1	39° 7	50° 1	2° 0	1° 5	272	262	85° 4	88° 6	2° 9	3° 5	6° 6	6° 2	4° 607	



## HILLINGTON.—NOVEMBER 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.
							Dep. of Wet.		Vapour Pressure.									
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Min.	Max.	9 a.m.	9 p.m.	9 a.m.	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	30°00	49°0	49°1	47°0	51°4	0°1	0°8	345	328	99	94	SW 2	N 1	10	8	ins.	Sunless day.
2	30°11	°05	50°1	50°1	47°5	51°2	0°6	0°8	346	340	96	94	S 1	Calm 0	10	10	°01	☉ early and n. Dull day.
3	°15	°19	49°2	37°5	35°4	54°4	0°8	0°8	329	208	94	93	NW 1	NW 1	4	0	°02	Very fine and pleasant.
4	°32	°40	35°4	38°1	30°4	53°5	0°3	0°6	200	218	97	94	Calm 0	Calm 0	0	0	°02	☉ (trees dripping). Very fine.
5	°49	°49	42°2	33°9	33°0	50°5	0°3	0°2	262	190	97	97	Calm 0	Calm 0	10	0	°01	☉ (trees dripping).
6	°48	°44	33°3	32°0	27°3	51°6	0°6	0°2	177	176	92	97	Calm 0	Calm 0	0	0	°01	☉ Very fine. Fine orange sunset.
7	°42	°35	31°6	31°4	28°1	50°3	0°3	0°0	171	176	95	100	Calm 0	Calm 0	0	0	°01	☉ Very fine. ☉ (mist) 4p.
8	30°21	30°06	42°3	41°2	31°1	44°9	1°0	1°4	248	229	92	88	WSW 1	Calm 0	10	10	°02	Sunless and raw.
9	29°82	29°92	47°8	43°3	38°1	51°3	0°4	2°6	323	225	97	81	NW 2	NW 2	10	3	°03	☉ showers.
10	29°92	29°99	46°1	52°0	41°0	52°6	1°4	1°3	278	353	89	91	NW 3	NW 2	10	10	°19	Dull day. ☉ 6p.
11	30°16	30°23	45°1	49°0	45°1	52°4	0°3	1°2	333	317	98	91	Calm 0	Calm 0	10	10	°01	☉ early. Very damp. ☉ (mist).
12	°10	30°06	46°7	51°2	46°2	51°5	0°9	0°5	297	364	93	96	SW 1	W 1	10	10	°12	☉ at intervals all day.
13	30°08	29°85	48°0	49°0	47°1	52°5	0°2	0°8	330	327	99	94	Calm 0	SW 3	10	10	—	Damp ☉ (mist).
14	29°62	°60	50°3	42°9	42°9	52°4	1°7	1°4	321	245	88	88	SW 3	SW 3	10	0	°04	☉ Very red sunrise. ☉ occasionally.
15	°56	°58	34°9	38°8	33°1	45°3	0°6	0°3	190	230	93	97	SW 1	WSW 2	0	0	—	☉ Beautiful day.
16	°66	°72	36°3	40°3	35°1	42°4	1°6	0°6	184	237	86	95	NW 2	NW 2	0	8	°13	☉ Fine and sunny. ☉ 6p.
17	29°73	29°81	34°9	38°9	33°2	42°2	1°1	1°3	181	211	89	88	Calm 0	Calm 0	10	10	°35	☉ 11a. ☉ noon.
18	30°02	30°08	41°8	32°8	32°5	44°3	0°7	0°4	249	178	94	94	N 1	Calm 0	8	0	°08	☉ early. ☉ showers.
19	30°13	30°13	41°1	29°9	29°4	43°4	0°4	0°2	249	160	97	96	Calm 0	Calm 0	10	0	°03	☉ early. Fine and clear p.
20	29°91	29°67	36°6	45°0	28°1	46°4	0°9	1°4	199	266	92	88	W 3	WNW 3	10	9	—	☉ early. Very dull and gloomy.
21	°52	°76	49°6	43°5	41°9	50°0	3°0	1°8	281	233	79	86	NW 4	NW 3	10	0	—	☉ (gale) from 11a. Dull day.
22	29°93	°95	43°4	49°9	38°1	52°7	1°8	3°3	241	228	86	77	Calm 0	W 3	10	10	—	Bright midday.
23	29°93	29°93	47°1	52°0	45°4	53°4	1°5	3°2	287	305	88	79	W 1	SW 4	10	6	—	Dull and gloomy.
24	°06	30°11	42°5	33°7	32°2	52°0	3°7	1°1	199	171	73	88	NW 3	NW 1	3	0	—	☉ Lovely day.
25	30°06	29°87	39°0	40°5	32°0	45°0	1°2	0°8	214	234	89	94	NW 2	W 5	4	10	°04	☉ Fine and sunny.
26	29°94	29°96	39°2	39°1	37°0	42°8	2°0	3°2	200	179	84	75	NW 4	NW 3	8	6	10	Overcast day.
27	29°67	28°95	41°0	45°1	33°8	50°4	0°5	0°3	246	293	96	97	SW 2	Calm 0	10	10	°37	☉ frequently during day. ☉ n.
28	28°94	29°07	41°9	41°1	41°1	45°6	0°2	0°5	261	247	98	96	NW 2	E 4	10	10	°28	☉ most of day. ☉ (mist).
29	29°25	°26	37°9	31°4	31°4	41°4	2°1	0°5	183	163	82	92	E 1	Calm 0	10	10	°09	Cold and dreary. ☉ (mist) 4p.
30	29°26	29°32	33°1	33°1	30°0	36°3	0°4	0°3	180	182	95	96	Calm 0	NE 1	9	5	°17	☉ Fine a. Frequent ☉ showers.
Mean	29°910	29°893	41°9	41°2	36°5	48°5	1°0	1°1	249	242	91°6	91°2	1°3	1°5	7°5	5°8	2°41	

## CAMBRIDGE.—NOVEMBER 1903.

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.

1	29°94	30°05	51°3	49°9	46°5	54°6	1°6	0°8	337	336	89	94	W 1	Calm	0	10	10	—	Overcast all day. ☁ (mist).
2	30°09	30°05	49°0	49°9	45°4	53°9	1°1	0°9	274	335	78	94	S 2	SSW 2	10	10	0°1	☉ Overcast all day. ☉ 5p.	
3	29°19	29°29	49°8	40°4	39°3	55°2	1°1	0°7	330	237	92	95	NNW 3	NNW 1	8	5	—	☉ Sunny a. ☉ 9p. ☉	
4	29°36	29°44	34°3	39°2	30°0	53°6	0°3	0°0	192	240	97	100	NNW 1	Calm	0	0	4	—	☉ a. and 9p. ☉ Sunny day.
5	29°54	29°53	39°0	39°9	35°1	53°6	0°1	0°2	236	241	99	99	NNW 1	Calm	0	10	10	—	☉ a. ☉ all day.
6	29°52	29°47	37°9	34°9	30°1	53°4	0°6	0°1	215	205	95	99	Calm	N 1	1	10	10	—	☉ a. and p. ☉
7	29°44	29°37	32°7	36°8	27°7	52°1	1°0	1°1	165	197	88	91	Calm	Calm	0	0	10	—	☉ all day.
8	30°18	30°08	46°1	35°2	33°7	51°6	2°3	0°5	260	196	84	95	SSW 1	S 1	1	10	4	0°1	☉ ☉ all day.
9	29°88	29°59	51°4	40°9	33°7	53°6	0°5	2°0	366	215	96	85	SSW 4	SSW 4	8	1	0°1	☉ n. ☉ shower 1p.	
10	30°00	30°07	48°3	52°8	38°3	54°8	2°2	1°7	284	353	85	88	SSW 4	W 4	4	9	10	0°1	☉ from 8p.
11	29°24	29°25	51°0	49°7	48°0	54°6	1°0	0°4	348	345	93	97	WhyS 2	Calm	0	10	10	0°1	☉ Overcast all day.
12	29°17	30°12	49°6	51°3	42°9	54°0	0°7	0°6	337	362	95	96	SW 4	SSW 1	1	10	10	0°1	☉ Overcast all day. ☉ 5p.
13	30°10	29°56	52°2	51°1	46°0	54°7	0°3	1°4	382	240	98	90	SSW 2	S 3	3	10	10	—	☉ Overcast all day.
14	29°64	29°61	51°3	41°9	40°7	55°1	1°0	1°6	352	333	93	88	S 3	SSW 4	10	0	0	0°1	☉ shower a.
15	29°61	29°64	39°0	39°7	32°9	51°2	0°5	1°4	228	215	96	88	SSW 1	SW 4	0	0	0	—	☉ Sunny day.
16	29°71	29°75	40°5	41°1	33°3	51°1	3°2	1°3	189	230	75	89	W 2	NW 5	0	10	10	—	☉ Sunny a.
17	29°77	29°86	39°2	35°3	33°5	50°5	2°1	0°3	199	201	83	96	W 3	N 4	10	0	0	0°1	☉ a. Cloudy day.
18	30°07	30°11	37°2	32°8	31°6	50°3	0°4	0°3	214	181	96	97	NNW 3	NNW 4	4	0	0	0°1	☉ Cloudy day. ☉ in afternoon.
19	30°18	30°18	36°9	35°5	30°2	50°1	0°4	0°6	211	198	97	95	NNW 3	N 1	9	0	0	—	☉ Cloudy day.
20	29°88	29°76	37°3	47°3	27°1	49°7	1°0	1°4	203	292	92	90	SW 3	W 2	2	10	10	—	☉ Overcast all day.
21	29°59	29°84	50°0	43°2	42°3	54°0	3°1	2°3	284	231	79	82	W 5	WNW 4	10	0	0	—	☉ Cloudy day.
22	30°00	30°04	46°8	50°1	41°0	53°8	1°6	2°7	282	294	88	81	SW 5	WSW 3	3	10	10	—	☉ Cloudy day.
23	29°10	29°93	49°4	52°1	45°2	53°5	2°1	2°7	300	319	86	81	SSW 2	SSW 7	7	10	10	0°1	☉ Cloudy a.
24	29°08	29°18	46°2	38°4	36°3	55°3	3°9	1°6	229	200	74	87	N 3	W 3	3	7	1	—	☉ Cloudy a. Sunny p.
25	29°12	29°98	39°6	42°7	34°1	46°0	2°0	2°8	204	216	84	79	WSW 3	WSW 4	0	8	1	0°1	☉ Sunny a. ☉ in evening.
26	30°01	30°04	37°7	38°9	36°2	42°0	0°7	1°3	212	212	94	90	NW 6	W 1	10	9	1	0°1	☉ Cloudy day.
27	29°63	28°95	45°6	46°3	36°5	49°0	0°3	0°2	300	308	93	98	SSW 4	Calm	0	10	10	0°1	☉ all day.
28	29°01	29°05	43°7	43°9	42°0	47°0	0°2	0°1	281	285	98	99	W 2	E 1	1	10	10	0°1	☉ all day.
29	29°26	29°28	40°3	31°3	30°1	43°0	2°3	0°4	204	186	82	94	NbyE 2	N 1	1	10	8	—	☉ all day.
30	29°29	29°36	33°4	31°8	28°1	35°0	0°4	0°0	183	180	96	100	N 2	N 3	10	10	0°1	☉ Cloudy day.	
Mean	29°953	29°940	43°6	42°1	36°6	51°2	1°3	1°0	260	252	90°0	91°9	2°6	2°3	7°6	6°7	2°141		☉ during day.

NOTE.—The observations at Churchstoke were discontinued after June 1903.

## WOOLACOMBE.—NOVEMBER 1903.

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, +0.16 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.		
1	ins.	ins.	51°3	47°7	46°8	55°6	3°2	1°5	297	295	79	89	NW 2	SE 1	8	8	ins.	∞. Ground sea 9p.
2	30°03	30°05	51°3	47°7	46°8	55°6	3°2	1°5	297	295	79	89	NW 2	SE 1	8	8	15	∞. Ground sea 9p.
3	29°98	30°08	53°5	54°3	47°4	57°6	0°8	1°0	326	323	94	93	SE 3	SW 2	10	10	18	Sunless day.
4	30°26	33	51°1	48°5	48°2	54°6	2°6	2°1	308	289	82	85	NW 3	NE 3	4	1	1	Fine bright day.
5	39	44	47°9	47°7	42°4	53°2	2°1	2°3	283	276	85	83	NE 1	NE 2	1	0	—	ga. Fine bright day.
6	51	47	47°7	45°5	41°8	53°6	2°9	2°1	264	256	79	84	NE 3	NE 3	0	2	—	ga. Fine bright day.
7	41	38	48°9	45°7	41°2	52°6	3°5	2°1	264	258	76	84	E 4	E 3	0	1	—	Fine bright day.
8	37	26	48°7	45°7	44°8	53°2	2°5	2°3	283	254	82	83	E 3	E 4	1	1	—	ga. ∞
9	30°18	30°06	50°3	50°1	43°2	55°4	3°5	2°0	278	311	76	86	SE 3	E 2	2	9	08	ga.
10	29°98	30°08	50°7	52°7	50°0	54°6	2°0	4°6	318	283	86	71	NW 4	W 4	9	5	—	
11	30°18	23	53°7	52°9	51°0	54°6	2°4	1°2	346	367	83	92	W 3	W 4	9	10	07	Sunless day.
12	30	29	51°1	50°3	50°0	53°6	1°0	2°2	349	308	93	85	NW 3	W 2	7	9	01	Sunless day.
13	24	30°17	53°1	52°7	50°0	54°0	1°6	0°8	360	375	89	94	SW 3	SW 3	10	10	01	Sunless day.
14	30°07	29°78	51°9	53°1	50°4	54°2	2°2	2°4	329	339	85	83	SE 2	SE 3	9	10	08	Sunless day.
15	29°62	64	49°9	47°7	46°2	56°0	3°5	2°7	274	268	76	80	S 3	SW 4	8	4	09	Δ at times. 4p.
16	70	79	48°1	46°7	45°8	50°4	3°1	2°9	263	253	78	79	W 3	N 2	5	4	06	Δ at times. 3-30p.
17	86	91	46°5	44°3	43°4	48°4	2°9	2°5	250	236	79	81	N 3	NW 3	6	6	06	Δ (very large) 11.30a. A water
18	29°91	29°98	45°5	44°3	43°2	49°4	2°9	4°3	261	204	79	70	NW 4	NE 3	9	0	05	[spout seen in the Bay.]
19	30°16	30°15	44°3	40°9	40°8	46°6	3°5	2°7	218	202	75	79	N 2	NE 3	1	0	—	ga.
20	22	25	41°7	41°7	35°2	46°2	2°1	2°3	220	216	83	82	NE 2	NE 2	2	9	—	ga.
21	30°10	00	49°9	53°1	40°2	53°6	3°5	1°2	274	370	76	92	NW 4	NW 4	10	9	07	Sunless day.
22	29°97	10	52°9	50°7	50°2	54°6	2°4	4°9	336	254	83	69	NW 5	NW 5	8	1	01	Sunless day.
23	30°21	20	52°3	52°5	50°0	53°2	1°2	1°2	360	362	92	92	W 4	W 4	10	9	03	Sunless day.
24	22	04	51°3	53°3	50°0	54°0	0°8	1°8	357	357	94	88	SW 4	SW 4	9	9	34	"Sun dog" 3p.
25	15	28	48°7	46°7	46°2	54°0	2°5	5°3	283	207	82	65	N 3	N 2	9	6	01	
26	28	21	47°7	48°9	45°2	50°0	3°1	3°7	259	260	78	74	NW 3	W 4	6	4	07	Δ early morning.
27	30°20	30°12	47°7	50°5	46°2	51°0	4°1	3°2	238	287	72	78	NW 4	W 4	4	8	21	since noon (force 7 at times).
28	29°55	29°28	50°9	49°7	48°2	53°2	0°8	3°7	352	268	94	75	SE 4	NW 6	10	2	26	Very rough sea.
29	21	06	48°5	46°6	46°0	50°2	2°9	1°1	272	293	79	92	W 5	NW 3	9	9	16	Sunless day.
30	23	30	39°5	39°7	38°8	49°0	1°5	3°1	212	184	87	75	NE 4	NE 4	10	3	01	
31	29°36	29°45	37°1	36°3	35°6	40°2	3°3	2°5	160	168	73	79	NE 3	NE 3	0	1	—	Fine bright day.
Mean	30°028	30°013	48°8	48°0	45°3	52°2	2°5	2°5	288	280	82°3	82°1	3°2	3°2	6°2	5°3	2°01	



## PLYMOUTH.—NOVEMBER 1903.

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

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.	Percentage.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	
1	ins.	ins.	51.3	48.7	47.0	56.9	3.0	0.6	30.3	31.9	80	93	0	ins.	
2	29.96	30.02	51.3	48.7	47.0	56.9	3.0	0.6	30.3	31.9	80	93	0	ins.	
3	30.18	30.26	48.3	46.5	44.3	54.7	1.4	1.7	30.4	27.7	90	88	0	ins.	Fine and sunny.
4	31	37	48.3	46.8	39.4	53.2	3.5	1.8	25.7	27.7	76	87	0	ins.	☁ a. ☁ all day.
5	40	36	48.4	48.0	44.6	52.6	4.1	1.1	24.6	30.7	73	92	0	ins.	Fine and sunny.
6	38	29	52.0	50.3	48.0	54.4	4.2	2.6	28.3	29.9	73	82	0	ins.	Fine and sunny.
7	29	24	51.9	48.0	47.3	55.1	3.4	1.4	30.1	29.9	78	85	0	ins.	Fine and sunny.
8	30.13	30.02	49.5	53.0	45.0	57.9	2.2	2.1	29.9	34.5	85	85	0	ins.	Fine and sunny.
9	29.94	30.09	54.5	50.0	48.9	54.7	0.7	3.7	40.5	27.1	86	76	0	ins.	Sunny till afternoon.
10	30.15	30.21	50.7	51.2	47.8	53.2	1.8	1.0	32.5	35.0	88	93	0	ins.	Sunny intervals.
11	26	26	50.2	50.1	48.9	53.5	0.8	1.5	34.3	32.3	95	89	0	ins.	Fine, but overcast.
12	22	30.16	52.8	53.2	49.2	53.8	2.1	1.3	34.3	36.8	86	91	0	ins.	Fine, but overcast.
13	30.05	29.80	54.0	54.1	50.1	54.4	2.1	1.0	35.7	39.0	85	93	0	ins.	Fine, but overcast.
14	29.64	29.66	52.8	46.6	44.8	55.6	4.2	5.5	29.3	20.3	74	64	0	ins.	☁ showers. Sunny intervals.
15	68	73	46.4	43.7	42.0	51.9	2.1	0.8	26.7	26.7	85	93	0	ins.	☁ showers. Sunny intervals.
16	80	87	38.8	41.3	33.0	49.7	0.8	1.5	22.0	22.9	94	88	0	ins.	☁ showers. Sunny intervals.
17	29.90	29.90	43.2	41.0	39.0	49.1	1.4	3.0	24.9	19.7	89	77	0	ins.	Sunny nearly all day.
18	30.08	30.09	39.4	37.7	36.5	46.4	1.4	2.1	21.4	18.7	89	82	0	ins.	Frequent ☁ showers.
19	14	30.20	37.2	36.8	33.0	45.2	1.4	1.1	19.4	19.7	89	91	0	ins.	Fine and sunny.
20	30.68	29.97	41.5	53.1	32.8	53.2	0.7	1.9	24.8	35.1	94	86	0	ins.	Fine and sunny.
21	29.94	30.07	52.6	50.7	50.2	54.9	3.2	4.5	31.3	26.2	78	71	0	ins.	☁ showers p.
22	30.19	30.18	50.5	50.6	48.8	52.6	0.4	0.7	35.6	35.1	97	95	0	ins.	Overcast nearly all day.
23	19	08	51.0	53.2	48.2	53.2	0.8	1.4	35.3	36.6	94	91	0	ins.	Overcast, with ☁ showers.
24	05	22	52.7	43.6	43.0	53.7	0.5	2.2	38.4	23.6	96	81	0	ins.	Overcast, with ☁ showers.
25	24	19	45.1	46.0	41.5	49.9	2.4	2.0	24.6	26.5	82	86	0	ins.	Sunny day.
26	30.17	30.12	45.9	48.3	44.7	49.6	2.1	2.3	26.3	28.2	86	84	0	ins.	☁ showers. Sunny intervals.
27	29.63	29.29	51.8	48.7	45.0	53.0	0.1	2.7	38.3	27.9	99	81	0	ins.	Frequent ☁ showers.
28	22	03	46.0	44.7	44.0	48.9	2.8	0.7	24.8	27.9	80	94	0	ins.	Squally ☁ all day.
29	08	19	40.1	38.1	37.6	45.0	1.7	2.2	21.4	18.7	86	81	0	ins.	Frequent ☁ showers.
30	29.27	29.37	35.4	31.0	29.9	40.2	1.7	2.0	17.5	12.7	85	72	0	ins.	Fine, but overcast.
Mean	29.983	29.975	47.9	47.0	43.4	52.1	1.9	1.9	29.4	28.3	86.6	85.8	0	ins.	Fine and sunny.

## ARMAGH.—NOVEMBER 1903.

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 <sup>78</sup>	29 <sup>75</sup>	48 <sup>4</sup>	44 <sup>6</sup>	44 <sup>6</sup>	54 <sup>0</sup>	1 <sup>1</sup>	2 <sup>0</sup>	*313	*250	92	85	SSW 1	SSE 2	0	10	*133	☁ early a. ☀ Sunny day.
2	29 <sup>74</sup>	29 <sup>88</sup>	48 <sup>6</sup>	41 <sup>6</sup>	41 <sup>6</sup>	52 <sup>2</sup>	0 <sup>0</sup>	1 <sup>6</sup>	*356	*299	100	88	SSW 1	SSW 1	10	2	—	
3	30 <sup>05</sup>	30 <sup>14</sup>	42 <sup>1</sup>	45 <sup>0</sup>	38 <sup>7</sup>	51 <sup>8</sup>	1 <sup>0</sup>	2 <sup>1</sup>	*246	*251	92	84	SSW 2	SW 1	0	9	—	
4	*28	*37	45 <sup>5</sup>	41 <sup>2</sup>	42 <sup>2</sup>	55 <sup>7</sup>	0 <sup>5</sup>	1 <sup>2</sup>	*293	*233	96	91	SW 1	WNW <sup>0.5</sup>	9	0	—	
5	*39	*34	31 <sup>6</sup>	32 <sup>0</sup>	31 <sup>0</sup>	44 <sup>0</sup>	0 <sup>0</sup>	0 <sup>0</sup>	*179	*182	100	100	Calm 0	WNW <sup>0.5</sup>	3	0	*005	☐ a. ☁☁☁ all day.
6	*31	*26	31 <sup>3</sup>	33 <sup>6</sup>	29 <sup>0</sup>	45 <sup>8</sup>	0 <sup>0</sup>	0 <sup>6</sup>	*176	*181	100	93	WNW <sup>0.5</sup>	ESE 0 <sup>5</sup>	0	8	—	☐ a. ☁☁☁ all day.
7	30 <sup>22</sup>	30 <sup>08</sup>	45 <sup>5</sup>	45 <sup>1</sup>	31 <sup>1</sup>	50 <sup>6</sup>	2 <sup>0</sup>	2 <sup>3</sup>	*259	*248	86	83	SSE 1	SSE 2	10	9	—	☁☁☁ Overcast all day.
8	29 <sup>86</sup>	29 <sup>61</sup>	47 <sup>3</sup>	48 <sup>6</sup>	45 <sup>1</sup>	51 <sup>0</sup>	2 <sup>0</sup>	1 <sup>8</sup>	*278	*299	86	88	S 2	S 3	10	10	*212	
9	*68	29 <sup>75</sup>	43 <sup>0</sup>	43 <sup>1</sup>	37 <sup>4</sup>	50 <sup>2</sup>	1 <sup>5</sup>	1 <sup>5</sup>	*245	*246	88	88	SSW 3	WSW 1	0	10	*072	☁☁☁ Overcast all day.
10	29 <sup>84</sup>	30 <sup>00</sup>	50 <sup>6</sup>	49 <sup>1</sup>	43 <sup>0</sup>	53 <sup>0</sup>	1 <sup>3</sup>	1 <sup>0</sup>	*335	*341	91	93	SW 2	SW 1	10	10	—	
11	30 <sup>06</sup>	29 <sup>89</sup>	46 <sup>3</sup>	48 <sup>3</sup>	46 <sup>3</sup>	51 <sup>4</sup>	1 <sup>5</sup>	1 <sup>0</sup>	*279	*314	90	93	SW 1	S 3	10	10	*075	☁☁☁ Overcast all day.
12	29 <sup>87</sup>	*88	50 <sup>6</sup>	43 <sup>8</sup>	43 <sup>8</sup>	55 <sup>3</sup>	0 <sup>8</sup>	1 <sup>2</sup>	*349	*259	95	91	WSW 1	S 2	10	0	*005	
13	*66	*30	50 <sup>8</sup>	49 <sup>6</sup>	43 <sup>5</sup>	52 <sup>0</sup>	1 <sup>5</sup>	0 <sup>6</sup>	*333	*340	89	96	S 4	S 5	10	10	*325	☐ a. ☐ a. Fine and sunny.
14	*23	*33	43 <sup>6</sup>	35 <sup>8</sup>	35 <sup>8</sup>	51 <sup>5</sup>	2 <sup>0</sup>	1 <sup>7</sup>	*241	*179	85	85	S 3	SW 2	8	2	—	
15	*47	*65	35 <sup>6</sup>	35 <sup>4</sup>	33 <sup>9</sup>	49 <sup>0</sup>	0 <sup>6</sup>	1 <sup>8</sup>	*197	*173	95	84	SW 1	WSW 1	0	0	—	
16	*76	*83	36 <sup>9</sup>	34 <sup>6</sup>	33 <sup>5</sup>	44 <sup>4</sup>	0 <sup>8</sup>	1 <sup>6</sup>	*203	*169	93	84	WNW 1	W 1	7	9	—	☐ a. ☐ a.
17	29 <sup>81</sup>	29 <sup>98</sup>	43 <sup>0</sup>	35 <sup>0</sup>	34 <sup>0</sup>	48 <sup>2</sup>	1 <sup>1</sup>	1 <sup>6</sup>	*253	*172	91	84	NW 1	N 1	9	3	—	
18	30 <sup>05</sup>	30 <sup>01</sup>	34 <sup>6</sup>	39 <sup>8</sup>	32 <sup>0</sup>	45 <sup>0</sup>	0 <sup>6</sup>	1 <sup>7</sup>	*189	*211	94	87	N 0 <sup>5</sup>	SSW 1	10	10	—	☐ a. ☁☁☁ Overcast all day.
19	30 <sup>03</sup>	29 <sup>98</sup>	37 <sup>0</sup>	41 <sup>3</sup>	33 <sup>9</sup>	43 <sup>2</sup>	0 <sup>4</sup>	0 <sup>2</sup>	*212	*255	96	99	SSW 1	SW 2	8	9	*045	
20	29 <sup>74</sup>	*71	47 <sup>1</sup>	47 <sup>6</sup>	41 <sup>0</sup>	51 <sup>0</sup>	0 <sup>5</sup>	1 <sup>0</sup>	*312	*305	96	93	WNW 3	WNW 3	10	10	*004	☁☁☁ Overcast all day.
21	*62	*88	48 <sup>3</sup>	42 <sup>4</sup>	42 <sup>4</sup>	51 <sup>0</sup>	0 <sup>5</sup>	2 <sup>0</sup>	*337	*229	97	85	WNW 4	W 3	10	0	*020	
22	*84	*87	49 <sup>0</sup>	46 <sup>0</sup>	41 <sup>0</sup>	50 <sup>6</sup>	1 <sup>3</sup>	1 <sup>6</sup>	*315	*274	91	89	W 3	SW 2	10	10	*028	☁☁☁ Overcast all day.
23	29 <sup>75</sup>	29 <sup>49</sup>	49 <sup>6</sup>	49 <sup>4</sup>	44 <sup>8</sup>	53 <sup>0</sup>	1 <sup>3</sup>	1 <sup>8</sup>	*322	*307	91	88	SSW 4	WSW 3	10	9	*072	
24	30 <sup>00</sup>	30 <sup>04</sup>	39 <sup>0</sup>	38 <sup>0</sup>	36 <sup>0</sup>	53 <sup>1</sup>	2 <sup>3</sup>	1 <sup>9</sup>	*194	*192	82	84	WSW 1	SW 3	0	7	*018	
25	29 <sup>96</sup>	29 <sup>93</sup>	40 <sup>6</sup>	36 <sup>8</sup>	36 <sup>8</sup>	44 <sup>2</sup>	2 <sup>0</sup>	2 <sup>0</sup>	*232	*181	92	83	SW 2	WNW 2	8	9	—	☐ a.
26	*95	*78	39 <sup>1</sup>	42 <sup>6</sup>	36 <sup>5</sup>	45 <sup>2</sup>	1 <sup>6</sup>	1 <sup>0</sup>	*208	*251	87	92	W 2	SSW 3	9	10	*047	
27	29 <sup>30</sup>	*00	45 <sup>6</sup>	43 <sup>0</sup>	40 <sup>0</sup>	46 <sup>7</sup>	0 <sup>2</sup>	0 <sup>6</sup>	*302	*264	99	95	S 2	W 2	10	10	*375	☁☁☁ Overcast, with ☁.
28	28 <sup>90</sup>	*15	44 <sup>4</sup>	38 <sup>3</sup>	38 <sup>3</sup>	46 <sup>5</sup>	0 <sup>6</sup>	0 <sup>3</sup>	*278	*225	95	98	WNW 1	NNE 2	10	10	*477	
29	29 <sup>30</sup>	*29	36 <sup>0</sup>	29 <sup>6</sup>	29 <sup>6</sup>	40 <sup>2</sup>	0 <sup>4</sup>	0 <sup>6</sup>	*204	*148	96	90	NNE 0 <sup>5</sup>	NNE 0 <sup>5</sup>	10	8	—	☁☁☁ all day.
30	29 <sup>38</sup>	29 <sup>47</sup>	29 <sup>0</sup>	28 <sup>4</sup>	25 <sup>0</sup>	33 <sup>0</sup>	0 <sup>4</sup>	0 <sup>6</sup>	*148	*138	93	89	NNE 0 <sup>5</sup>	NW 0 <sup>5</sup>	8	0	—	
Mean	29 <sup>794</sup>	29 <sup>788</sup>	42 <sup>7</sup>	41 <sup>0</sup>	37 <sup>7</sup>	48 <sup>8</sup>	1 <sup>0</sup>	1 <sup>3</sup>	*259	*234	92 <sup>6</sup>	89 <sup>4</sup>		1 <sup>7</sup>	1 <sup>8</sup>	7 <sup>3</sup>	6 <sup>8</sup>	1 <sup>9</sup> 13

## MARKREE CASTLE.—NOVEMBER 1903.

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. at Station Level.		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 Pressure.		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.	43.8	47.4	34.2	51.2	1.2	0.6	25.9	31.3	91	96	S	1	S	3	ins.	
2	29.87	29.78	43.8	47.4	34.2	51.2	1.2	0.6	25.9	31.3	91	96	S	1	S	3	26	
3	29.84	29.99	47.5	38.7	38.0	53.5	0.5	0.7	31.6	22.1	96	94	Calm	0	Calm	0	Fine a. ☉ in evening.	
4	30.15	30.25	43.4	47.7	33.1	55.4	0.5	1.4	27.1	29.7	96	90	Calm	0	Calm	0	☁ (mist) 9a. and 9p. Fine day.	
5	37	45	47.8	33.3	33.3	55.6	1.0	0.3	30.8	18.4	93	97	Calm	0	W	1	8	
6	46	40	36.3	34.0	30.7	44.8	0.3	0.0	20.8	19.6	97	100	Calm	0	Calm	0	☉	
7	37	29	40.0	42.7	34.0	48.2	0.1	0.8	24.5	25.7	99	93	Calm	0	Calm	0	☉	
8	30.28	30.14	45.8	46.5	39.5	47.5	2.0	1.5	26.4	28.1	86	89	SSE	1	SSE	3	☉	
9	29.91	29.74	47.3	44.5	44.5	50.9	2.3	0.6	27.1	28.0	84	95	SSE	4	Calm	0	☉	
10	77	29.86	46.0	47.0	36.3	50.8	2.5	1.1	25.5	29.6	83	92	W	3	W	2	☉	
11	29.99	30.10	52.0	47.0	36.3	53.0	1.0	1.5	36.1	28.7	93	90	WSW	3	Calm	0	☉	
12	30.13	29.93	48.9	51.0	45.8	52.3	0.9	2.0	32.3	32.3	94	86	S	1	SSE	5	☉	
13	29.99	29.92	49.0	45.7	42.0	55.5	1.1	0.7	32.0	29.1	92	95	W	1	SSE	3	☉	
14	67	27	51.5	51.0	45.7	53.8	2.0	1.3	32.9	34.1	87	91	SSE	5	SW	6	☉	
15	29	44	41.0	47.2	37.3	51.4	1.1	0.9	23.3	30.3	91	94	Calm	0	SSW	1	☉	
16	59	79	38.6	38.0	36.2	48.5	0.6	0.5	22.2	21.8	95	96	Calm	0	Calm	0	☉	
17	90	29.96	40.3	39.0	32.3	44.5	2.4	0.4	20.2	23.0	81	97	NW	1	Calm	0	☉	
18	29.94	30.09	46.0	34.2	34.2	48.2	4.0	0.4	22.5	19.0	73	96	NW	2	Calm	0	☉	
19	30.16	30.10	43.0	35.8	27.1	49.1	2	0.0	24	20.2	84	97	Calm	0	Calm	0	☉	
20	30.12	30.11	48.4	41.2	30.8	48.4	0.5	1.2	32.8	23.5	96	91	S	1	Calm	0	☉	
21	29.90	29.89	50.8	49.9	41.2	52.4	1.8	0.7	32.5	34.1	87	95	WNW	4	NW	5	☉	
22	83	30.02	48.0	48.0	41.3	52.3	1.8	1.8	29.0	29.0	87	87	NW	5	W	3	☉	
23	99	29.99	49.5	47.9	47.7	52.4	0.8	1.9	33.3	28.6	94	87	W	3	S	1	☉	
24	29.83	29.69	51.3	47.5	46.4	54.2	1.4	1.0	34.2	30.4	90	93	SW	4	NW	5	☉	
25	30.11	30.16	40.5	40.0	38.0	48.1	0.5	1.5	24.1	21.7	96	88	W	2	SW	1	☉	
26	10	30.08	43.3	43.8	38.6	46.6	2.4	3.9	22.9	20.6	81	72	WNW	3	NW	6	☉	
27	30.08	29.84	43.2	45.9	41.1	46.4	0.7	0.4	24.3	30.0	87	98	W	1	Calm	0	☉	
28	29.38	16	46.8	43.8	42.4	48.0	1.8	2.0	30.1	24.3	94	84	SSE	1	W	4	☉	
29	09	31	44.0	41.2	41.1	47.3	1.0	2.0	26.5	21.7	92	85	NW	4	N	2	☉	
30	41	40	37.5	32.5	28.5	41.5	2.0	1.0	18.6	16.5	83	88	N	1	Calm	0	☉	
31	29.50	29.61	27.8	33.3	24.3	37.7	0.3	1.5	14.3	16.0	94	84	Calm	0	NW	1	☉	
Mean	29.901	29.891	44.6	42.9	37.2	49.7	1.4	1.1	26.9	23.6	89.9	91.3	1.7	1.7	6.7	6.9	3.82	



## BIRR CASTLE.—NOVEMBER 1903.

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.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	40.1	49.2	33.5	51.8	1.0	1.0	in.	in.	%	%	E	S	2	1	10	ins.	Fine and sunny. ☉ in evening.	
2	29.84	29.80	51.7	44.2	42.3	54.1	0.5	0.8	371	272	96	94	SW	E	1	10	1	0.064	Fine, but cloudy.	
3	29.79	29.96	43.2	42.5	36.6	52.0	0.5	0.8	268	254	96	94	SE	E	1	1	9	—	Fine and sunny.	
4	33	40	40.9	35.9	34.7	50.9	0.3	0.3	249	205	98	97	E	E	1	3	8	—	Fine, but cloudy. ☼	
5	41	33	30.6	40.4	26.8	47.4	0.9	0.6	148	239	87	95	E	SE	1	3	4	—	Fine and sunny.	
6	29	26	44.8	45.9	37.4	49.4	2.4	2.3	243	258	82	84	SE	SE	2	5	9	—	Fine and sunny.	
7	30.23	30.13	46.7	46.0	42.0	51.6	1.5	0.7	284	294	89	95	SE	SSE	1	7	9	—	Fine and sunny.	
8	29.91	29.70	47.2	52.5	40.3	53.1	1.3	1.6	294	351	91	89	WSW	S	3	10	10	172	Fine, but cloudy.	
9	29.98	30.09	50.4	49.6	45.4	50.7	0.6	1.2	352	324	96	92	SSW	SW	3	6	3	0.056	☼ showers.	
11	30.12	29.98	48.4	51.7	45.3	52.1	0.6	1.8	326	337	96	88	SW	2	W	2	10	10	0.015	Overcast, with ☉.
12	29.95	29.95	53.7	48.0	44.8	55.3	0.4	0.6	402	319	97	96	Calmo	S	3	10	10	280	Fine, but cloudy.	
13	31	33	52.3	50.9	45.8	54.0	1.9	0.8	341	351	87	95	SE	S	4	10	10	200	Overcast, with ☉.	
14	31	44	41.2	36.9	35.8	53.8	1.4	0.4	229	211	89	97	SSE	S	4	10	10	249	Overcast, with ☉ showers.	
15	53	74	39.9	35.1	34.2	46.3	0.6	0.3	234	199	95	97	SE	SSW	3	2	0	239	☼ showers.	
16	85	29.93	34.5	34.1	31.2	43.3	0.3	0.7	194	183	97	92	S	NW	1	5	1	—	Fine day.	
17	29.87	30.03	45.1	33.5	31.8	47.3	0.7	0.6	284	180	94	93	Calmo	SW	1	7	1	0.025	Fine, but cloudy.	
18	30.11	06	28.7	32.7	26.3	45.4	0.8	0.6	135	174	86	93	ESE	N	1	8	1	—	Fine day.	
19	30.12	30.10	28.3	43.8	24.8	44.9	0.7	0.5	134	274	86	96	ESE	E	1	1	0	—	Fine and sunny.	
20	29.92	29.90	49.7	51.4	46.9	52.2	0.7	1.7	338	336	95	89	E	W	2	5	10	0.025	Overcast, with ☉.	
21	29.85	30.03	51.7	45.7	42.3	52.9	2.9	2.4	310	254	81	83	W	W	4	10	10	—	Overcast and threatening.	
22	30.01	30.01	49.9	49.8	44.1	52.8	1.7	2.9	315	257	88	81	WNW	NW	4	10	7	0.010	Cloudy, with squally ☼.	
23	29.90	29.69	49.7	52.7	46.3	53.5	1.8	2.1	312	342	88	86	SW	SW	3	8	10	0.020	Cloudy, with ☉.	
24	30.09	30.17	36.7	41.7	34.3	56.0	0.8	2.5	202	213	83	82	SW	W	7	8	10	1.08	Cloudy day. ☉ in evening.	
25	30.13	30.10	41.6	40.7	37.1	46.4	1.4	1.7	233	218	90	86	Calmo	SW	3	8	7	—	Fine, but cloudy.	
26	30.08	29.89	41.2	45.6	37.3	46.1	1.6	0.7	225	291	88	95	W	W	3	2	2	0.010	Fine day.	
27	29.32	29.18	47.6	41.4	38.6	48.2	0.7	1.4	313	231	95	89	WSW	SW	3	4	10	0.088	Cloudy, with ☉.	
28	07	19	43.7	41.4	39.0	45.0	1.3	1.5	256	230	89	89	ESE	WSW	3	10	1	410	Overcast, with ☉.	
29	33	33	36.7	29.7	28.0	43.1	0.4	0.4	210	154	97	94	W	NW	6	7	10	545	Squally ☼ showers.	
30	29.42	29.51	28.7	31.3	23.9	34.9	0.8	0.6	135	161	86	91	NW	NW	1	10	0	0.012	Overcast, with ☉.	
Mean	29.879	29.877	42.9	43.0	37.0	49.6	1.1	1.2	260	258	91.2	91.2	2.1	2.5	6.5	5.8	2.510	—	Fine day.	

## DEERNES.—DECEMBER 1903.

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.

1	29° 52	29° 69	37° 2	35° 5	30-8	38° 0	3° 4	2° 2	*161	*166	73	80	NE	5	WNW	2	3	10	—	☉. Fine all day.
2	29° 67	29° 38	33° 2	37° 2	32° 4	38° 8	2° 2	1° 2	*145	*198	77	89	NW	2	SSW	6	8	10	—	☉. Fine till 9p., then thaw.
3	28° 85	28° 81	41° 4	40° 5	35° 2	42° 2	0° 6	2° 3	*249	*206	95	82	SW	3	SW	5	10	10	—	☉. Damp and muggy p.
4	73	80	36° 8	36° 2	35° 5	41° 8	1° 3	1° 1	*194	*193	90	90	SW	4	SW	2	6	6	—	
5	28° 88	28° 99	34° 0	35° 0	33° 4	37° 0	1° 0	2° 0	*176	*164	89	80	SW	2	Calm	0	1	0	—	Fine day.
6	29° 07	29° 13	35° 0	35° 3	33° 2	37° 0	1° 0	1° 0	*184	*187	90	91	Calm	0	SW	1	0	0	—	Fine day.
7	28° 85	28° 64	42° 2	42° 0	34° 0	42° 8	4° 0	2° 0	*191	*225	72	85	SSE	9	SSE	6	10	2	—	(gale) 9a.-4p.
8	76	91	45° 0	45° 0	41° 2	45° 8	1° 7	1° 0	*260	*275	87	92	SE	7	ESE	7	10	10	—	☉. all day.
9	85	79	43° 2	44° 0	42° 0	45° 4	0° 9	1° 2	*260	*261	92	90	ESE	3	SE	4	8	10	—	☉. all day.
10	83	28° 92	42° 0	45° 0	40° 0	45° 0	1° 6	1° 2	*233	*271	88	91	S	3	S	3	2	9	—	☉. most of day.
11	28° 86	29° 09	45° 7	43° 0	41° 2	45° 8	1° 7	2° 0	*268	*234	88	84	Calm	0	S	6	9	0	—	Mild and muggy. ☉ showers.
12	29° 25	45	44° 8	43° 0	41° 6	45° 0	3° 7	2° 8	*218	*219	74	79	SSE	7	S	5	4	1	—	Muggy a. Clear from 8p.
13	31	36	44° 0	43° 0	41° 0	45° 2	2° 4	1° 0	*236	*255	81	92	SE	6	ESE	6	10	10	—	Dry and breezy.
14	32	46	46° 0	46° 0	42° 0	46° 8	1° 0	1° 4	*287	*278	93	90	SE	7	S	4	10	10	—	☉ showers from 11a.
15	53	56	44° 2	44° 8	43° 0	46° 3	2° 0	2° 6	*246	*239	85	81	SSE	6	SSE	6	3	7	—	☉ showers till 3p.
16	57	58	42° 5	41° 5	40° 2	45° 1	1° 9	2° 7	*232	*207	85	80	SSE	6	SE	6	10	4	—	Muggy a.
17	51	53	44° 5	40° 8	39° 2	44° 6	3° 5	1° 5	*219	*223	74	88	SSE	6	SSW	3	10	8	—	Fair and mild.
18	73	87	37° 3	39° 0	36° 6	42° 0	0° 9	1° 8	*205	*203	93	86	WSW	1	SW	1	1	0	—	Fine day.
19	85	77	41° 4	41° 0	36° 8	43° 8	2° 2	1° 7	*217	*221	85	86	S	2	SE	5	4	10	—	Fine a. ☉ p.
20	72	78	42° 0	41° 2	39° 0	43° 2	1° 0	0° 8	*245	*242	92	94	S	3	S	2	10	0	—	Fine and mild. Stars scintillating.
21	66	47	43° 8	46° 0	40° 4	46° 0	1° 8	1° 2	*246	*283	86	92	SSE	7	S	8	6	10	—	Dull and muggy. ☉ 8p.-8p.
22	45	48	42° 0	46° 4	40° 2	48° 0	1° 0	1° 4	*245	*282	92	90	S	6	S	5	10	10	—	Overcast all day.
23	62	79	44° 8	42° 0	40° 5	46° 8	1° 8	0° 7	*255	*252	86	94	SSW	4	SW	1	2	6	—	☉ showers p.
24	86	29° 86	38° 0	39° 0	37° 0	42° 6	1° 6	0° 0	*197	*238	86	100	N	1	NNW	1	3	4	—	Fine and mild.
25	29° 92	30° 03	38° 0	38° 5	37° 0	41° 3	1° 0	1° 3	*208	*207	91	89	NNW	1	SSE	1	4	0	—	Fine day.
26	30° 01	30° 02	38° 0	40° 0	35° 4	41° 0	0° 4	2° 0	*220	*207	96	84	S	1	S	4	1	5	—	
27	29° 07	29° 10	42° 4	41° 2	39° 0	42° 8	2° 3	2° 9	*223	*201	83	78	SSE	3	SE	3	10	8	—	Fine all day.
28	30° 08	29° 92	40° 0	39° 5	37° 0	41° 8	2° 0	2° 5	*207	*194	84	80	S	4	S	7	8	8	—	
29	29° 93	30° 04	39° 0	34° 0	33° 0	40° 2	3° 0	1° 7	*181	*162	77	82	S	6	SW	2	8	0	—	Very fine.
30	30° 00	29° 91	37° 0	40° 0	32° 2	40° 0	3° 0	3° 0	*165	*189	75	76	S	4	SSE	6	1	10	—	Very fine.
31	29° 88	29° 87	40° 0	39° 5	37° 5	41° 3	2° 0	2° 0	*207	*204	84	84	SE	6	SE	6	4	8	—	☉ showers, ☉
Mean	29° 463	29° 483	40° 8	40° 8	37° 7	43° 0	1° 9	1° 7	*219	*222	85° 3	86° 4	4° 0	4° 0	6° 0	6° 0	2° 71			

## DUNROBIN CASTLE.—DECEMBER 1903.

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, +0.34 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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	29.67	29.89	33.0	31.0	28.5	36.0	0.0	1.5	.188	.137	100	78	SE	NE	—	—	—	Clear and frosty.
2	29.08	29.46	33.0	34.5	29.5	43.5	1.0	1.5	.167	.170	89	84	W	NW	—	—	.40	Dull day.
3	29.03	28.97	38.5	39.0	33.0	39.8	2.5	1.5	.185	.209	80	88	NW	NW	—	—	.07	Dull, with showers.
4	28.96	29.02	33.0	33.5	31.5	43.5	1.0	1.0	.167	.171	89	89	NW	NW	—	—	.07	Clear and frosty.
5	29.07	.25	28.5	26.0	26.0	38.0	0.5	1.0	.141	.107	91	76	N	N	—	—	—	Clear and frosty.
6	29.36	29.30	30.0	29.0	26.0	40.0	0.5	1.0	.153	.130	92	82	NW	NW	—	—	.04	Clear and frosty.
7	28.96	28.79	40.0	40.0	29.0	41.0	3.0	2.0	.189	.207	76	84	SW	NW	—	—	.03	Dull, with thaw.
8	.88	29.12	42.0	34.0	31.0	43.5	1.0	0.5	.245	.186	92	95	S	NE	—	—	—	Dull day.
9	28.98	28.96	40.0	38.0	30.0	48.0	1.0	1.0	.236	.208	92	91	SE	N	—	—	—	
10	29.01	29.01	31.0	40.0	31.0	41.0	1.0	1.0	.148	.226	85	92	N	E	—	—	—	☼ a.
11	28.97	.20	40.0	35.0	35.0	46.0	1.0	1.0	.226	.184	92	90	W	E	—	—	—	.08 Dull, with ☼.
12	29.40	.63	42.0	40.0	34.0	45.0	2.0	2.0	.225	.207	85	84	S	NW	—	—	—	.07 Dull day.
13	.60	.49	44.0	43.0	36.0	45.0	2.0	1.0	.244	.255	84	92	SE	SE	—	—	—	.15 Dull day.
14	.41	.64	45.0	39.5	36.0	45.0	1.0	1.0	.275	.222	92	92	SE	NE	—	—	—	
15	.66	.70	41.0	40.0	35.0	43.0	2.0	1.0	.215	.226	84	92	S	SE	—	—	—	
16	.71	.69	42.0	41.0	36.5	42.0	2.0	2.0	.225	.215	85	84	S	SE	—	—	—	
17	.05	.77	40.0	32.5	32.0	41.5	3.0	0.5	.189	.174	76	94	S	N	—	—	—	
18	.92	.99	31.0	33.0	29.5	36.0	1.0	1.0	.148	.167	85	89	N	N	—	—	—	
19	.96	.90	35.0	38.0	32.0	40.0	0.5	1.0	.194	.208	95	91	NW	W	—	—	—	.19
20	.91	.95	36.0	35.0	32.0	39.0	0.5	0.0	.203	.204	96	100	N	NW	—	—	—	Dull and frosty.
21	.86	.69	43.0	48.0	33.0	49.0	2.0	3.0	.234	.263	84	79	SW	SW	—	—	—	.04
22	.61	.68	47.0	46.0	43.0	49.0	1.0	2.0	.298	.265	93	86	NW	NW	—	—	—	
23	29.79	29.97	42.0	41.0	40.0	46.8	1.0	1.0	.245	.235	92	92	NW	NW	—	—	—	.02 Dull day.
24	30.00	30.04	39.0	35.0	31.0	42.5	1.5	1.0	.209	.184	88	90	NW	NW	—	—	—	
25	.08	.16	35.0	37.0	34.0	40.0	1.0	1.0	.184	.200	90	91	NW	NW	—	—	—	
26	.19	.20	31.0	31.0	31.0	40.0	0.5	0.5	.161	.161	92	92	W	NW	—	—	—	☼
27	.21	.26	34.5	40.0	34.5	40.0	0.5	2.0	.190	.207	95	84	N	S	—	—	—	Dull, calm, and mild.
28	.23	.07	39.0	39.0	37.0	41.5	2.0	4.0	.199	.164	84	70	SW	SW	—	—	—	Fair and mild.
29	.09	.22	33.0	28.0	26.5	39.0	2.0	0.5	.147	.137	78	89	W	NW	—	—	—	
30	.17	30.04	27.0	37.0	24.5	39.0	1.0	3.0	.114	.165	79	75	E	NW	—	—	—	
31	30.00	29.95	38.0	39.0	34.0	39.5	2.0	3.0	.190	.181	83	77	E	SE	—	—	—	☼ Cloudy day.
Mean	29.619	29.645	37.2	36.9	34.4	42.0	1.3	1.4	.197	.193	87.7	86.8	—	—	—	—	1.42	



## LAUDALE.—DECEMBER 1903.

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. at Station Level.		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 Pressure.		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.	27° 0	27° 0	24° 0	35° 0	1° 0	1° 0	in.	in.	%	%	Calm	0	Calm	0	0	ins.
2	29° 71	29° 92	33° 8	39° 0	26° 2	39° 7	1° 8	2° 0	158	199	81	79	NW	1	S	3	0	1° 95
3	29° 15	29° 12	45° 0	42° 0	37° 0	51° 0	1° 0	1° 0	275	245	92	92	W	6	W	2	0	45
4	29° 02	29° 08	36° 8	35° 0	34° 0	43° 7	0° 2	1° 0	214	184	98	90	N	1	NW	2	8	20
5	29° 07	29° 16	34° 8	35° 0	32° 0	38° 0	0° 8	1° 0	186	184	92	90	N	1	SE	2	8	40
6	29° 36	29° 32	38° 0	39° 0	32° 0	39° 8	1° 3	1° 0	203	218	89	92	NW	2	S	3	7	55
7	28° 79	28° 71	38° 0	44° 2	36° 0	45° 0	2° 0	2° 2	190	242	83	83	ESE	6	S	4	10	75
8	29° 79	29° 06	43° 0	39° 0	37° 0	44° 5	1° 0	1° 0	255	218	92	92	S	2	S	1	10	02
9	29° 89	28° 85	42° 0	43° 7	35° 3	44° 0	0° 4	1° 7	258	247	97	86	S	3	S	2	10	21
10	28° 94	29° 03	42° 7	42° 6	37° 0	45° 1	1° 4	1° 2	244	247	88	90	S	1	Calm	0	9	02
11	29° 06	29° 14	42° 9	43° 0	38° 0	46° 0	1° 9	1° 0	235	255	85	92	S	1	SW	2	10	05
12	29° 31	29° 52	41° 0	41° 0	39° 0	43° 8	1° 0	1° 3	235	229	92	90	S	3	S	1	10	07
13	29° 46	29° 41	40° 0	42° 2	38° 0	45° 5	1° 0	1° 5	226	237	92	89	SE	3	SE	3	10	12
14	29° 38	29° 56	43° 2	44° 0	40° 2	46° 0	0° 4	2° 5	231	234	96	81	Calm	0	S	3	10	05
15	29° 59	29° 62	40° 0	41° 1	38° 0	44° 6	1° 0	2° 1	226	214	92	83	SE	3	SE	2	6	10
16	29° 61	29° 58	43° 0	42° 2	34° 6	45° 7	2° 0	1° 5	234	237	84	89	SSE	2	SE	2	6	10
17	29° 55	29° 66	43° 6	43° 0	36° 0	46° 0	1° 6	1° 8	248	238	87	86	SE	3	SE	2	10	10
18	29° 89	29° 95	34° 0	39° 0	32° 0	46° 5	1° 0	2° 0	176	199	89	84	Calm	0	Calm	0	0	15
19	29° 91	29° 87	44° 0	42° 0	37° 5	44° 3	1° 2	2° 0	226	225	90	85	SE	4	S	5	9	20
20	29° 95	29° 94	43° 2	45° 3	37° 0	46° 0	1° 2	1° 3	253	272	90	90	S	5	S	5	9	53
21	29° 80	29° 67	42° 0	51° 7	35° 0	52° 2	1° 0	0° 7	245	365	92	95	S	6	S	6	10	15
22	29° 64	29° 72	50° 2	48° 3	47° 0	52° 2	1° 2	1° 3	232	306	92	91	SW	3	W	3	10	04
23	29° 90	29° 98	45° 7	39° 0	37° 7	48° 3	2° 5	0° 8	251	222	82	94	W	2	Calm	0	7	04
24	30° 02	30° 05	36° 3	35° 0	34° 0	45° 3	0° 0	0° 8	214	188	100	92	Calm	0	Calm	0	6	—
25	29° 12	29° 14	27° 0	30° 2	25° 3	36° 0	1° 0	1° 2	114	137	79	81	Calm	0	Calm	0	0	—
26	29° 14	29° 15	31° 2	35° 0	28° 7	40° 2	0° 2	1° 0	171	184	97	90	E	2	Calm	0	0	—
27	29° 19	29° 21	37° 0	39° 5	34° 0	41° 3	2° 0	2° 5	182	194	83	80	SE	2	Calm	0	0	—
28	29° 19	29° 06	40° 0	38° 0	37° 7	40° 2	3° 0	2° 0	189	190	76	83	S	3	SSE	5	10	—
29	29° 11	29° 30	35° 0	26° 0	26° 0	38° 7	2° 0	2° 0	164	108	80	58	SE	2	SSE	2	0	—
30	29° 18	29° 08	28° 7	36° 6	25° 0	38° 2	3° 3	2° 6	169	50	78	78	SE	4	SE	4	0	—
31	29° 92	29° 87	40° 5	39° 9	35° 0	41° 2	3° 5	3° 9	184	173	73	70	SE	3	SE	5	6	—
Mean	29° 598	29° 620	39° 0	39° 6	34° 4	43° 7	1° 4	1° 6	209	214	86° 8	85° 8	2° 4	2° 2	6° 6	6° 8	9° 01	Clear and frosty.

## DUNDEE.—DECEMBER 1903.

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

1	29° 48	29° 71	31° 3	28° 2	25° 9	36° 5	0° 8	0° 5	157	139	89	90	N	2	N	1	5	0	—	Fine day.
2	29° 77	29° 61	27° 5	31° 5	24° 3	31° 9	0° 0	0° 3	150	167	100	97	W	1	NW	1	10	10	1° 10	(gale) till 10 a. till 11 a.
3	29° 09	28° 99	39° 5	35° 9	31° 4	41° 1	0° 8	0° 4	226	204	94	93	SW	8	NW	1	10	5	1° 05	Cloudy day. ∞
4	28° 91	28° 94	33° 9	32° 9	32° 8	37° 7	0° 6	0° 4	183	179	93	96	W	2	W	2	5	10	—	—
5	28° 98	29° 06	29° 5	27° 1	27° 1	34° 3	0° 0	0° 0	164	148	100	100	NW	1	NW	1	0	10	—	—
6	29° 19	29° 26	24° 7	27° 3	23° 4	33° 7	0° 0	0° 0	133	149	100	100	SW	1	W	1	0	0	—	—
7	28° 86	28° 71	33° 3	35° 1	27° 3	36° 7	0° 0	0° 6	190	193	100	94	SE	10	NE	1	10	10	1° 31	7 a. noon. (gale) till 11 a.
8	29° 76	29° 84	38° 9	36° 1	34° 3	40° 9	0° 9	0° 0	219	213	93	100	SE	1	W	1	10	10	—	Dull day.
9	29° 84	29° 80	36° 5	33° 0	32° 7	39° 7	0° 0	0° 0	216	188	100	98	NE	1	NE	1	10	10	1° 11	10 a. 2 p.
10	29° 86	29° 81	36° 7	40° 7	32° 9	40° 7	0° 0	0° 2	218	250	100	98	NE	1	NE	1	10	10	1° 05	showers from 4 p.
11	29° 86	29° 11	35° 7	34° 5	34° 2	41° 9	0° 0	0° 0	209	200	100	100	SW	1	SE	1	10	10	1° 10	Dull, with ∞
12	29° 28	29° 47	36° 5	34° 3	32° 6	38° 7	0° 2	0° 2	212	194	98	98	SE	2	NE	1	10	10	1° 13	n. and till 11 a. Dull day.
13	29° 40	29° 38	41° 3	42° 7	34° 4	42° 8	0° 3	1° 0	253	252	98	92	SE	4	SE	4	10	10	1° 60	n. and during day.
14	29° 58	29° 51	42° 9	36° 1	36° 1	44° 2	0° 2	0° 0	271	213	99	100	SW	1	SE	1	10	10	1° 02	Dull day.
15	29° 58	29° 60	37° 7	39° 5	33° 6	42° 1	0° 0	0° 2	226	239	100	98	SE	1	SE	1	10	10	1° 03	showers n. and 3 p.
16	29° 60	29° 58	37° 3	36° 5	36° 5	40° 7	0° 2	0° 0	218	216	98	100	E	1	SE	1	10	10	1° 05	showers.
17	29° 53	29° 64	35° 8	34° 1	34° 0	38° 9	0° 3	0° 3	205	191	98	97	SE	1	NW	1	10	10	1° 10	n. and noon-4 p.
18	29° 77	29° 85	29° 0	35° 5	28° 5	35° 9	0° 0	0° 5	160	198	100	95	SW	1	NE	2	10	10	1° 10	2 till 1 p.
19	29° 86	29° 86	39° 5	38° 2	35° 3	41° 2	0° 2	0° 4	239	222	98	97	SE	1	SE	1	10	10	1° 12	from 4 p.
20	29° 81	29° 92	34° 0	36° 5	33° 5	39° 9	0° 0	0° 0	196	216	100	100	NW	1	W	1	10	10	1° 04	n. and during day.
21	29° 86	29° 72	37° 7	45° 5	35° 2	46° 3	0° 2	1° 7	222	266	99	88	SW	1	SW	4	10	10	1° 18	showers from 3 p.
22	29° 63	29° 63	49° 7	44° 3	44° 3	51° 7	2° 2	2° 2	302	286	86	99	SW	4	SW	2	10	10	1° 18	from 1 p.
23	29° 83	29° 83	42° 9	34° 1	34° 1	46° 0	0° 4	0° 6	267	185	97	94	W	1	W	1	10	10	1° 03	n. and ∞
24	29° 89	29° 89	34° 4	34° 7	31° 0	40° 1	0° 3	0° 3	193	196	97	97	NW	1	NW	1	10	7	—	Dull, with ∞
25	29° 06	29° 02	31° 1	29° 0	29° 0	36° 2	0° 6	0° 0	160	160	91	100	SW	1	W	1	10	10	1° 03	∞
26	29° 03	29° 06	30° 5	34° 2	26° 7	34° 3	0° 0	0° 7	171	184	100	93	SE	1	NE	1	10	10	1° 03	showers 6 a. 1 p.
27	29° 08	29° 09	34° 9	36° 2	33° 9	37° 5	0° 4	1° 5	195	186	96	87	NE	1	SE	2	10	10	1° 11	showers from 1 p.
28	29° 11	29° 05	33° 7	34° 5	33° 4	37° 6	0° 0	1° 8	194	164	100	82	NE	1	SE	2	10	10	1° 02	showers till 11 a.
29	29° 04	29° 10	32° 1	31° 0	28° 0	36° 5	0° 6	0° 0	169	174	92	100	SE	1	SE	1	10	10	—	Dull day.
30	29° 09	29° 05	25° 0	34° 5	23° 3	35° 3	0° 0	1° 0	135	180	100	90	NW	1	SE	1	10	10	1° 11	Dull, with ∞.
31	29° 85	29° 83	35° 8	36° 7	33° 3	37° 8	0° 8	1° 2	195	195	93	90	SE	2	SE	4	10	10	1° 04	showers.
Mean	29° 508	29° 538	35° 1	35° 2	31° 7	39° 3	0° 3	0° 5	202	198	97° 1	95° 6	1° 8	1° 5	9° 0	9° 1	2° 54			

## GLASGOW.—DECEMBER 1903.

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. at Station Level.		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 Pressure.		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.	29° 49	29° 72	29° 5	31° 6	29° 0	37° 2	2° 2	1° 8	107	137	66	77	NW	1	Calm	0	1	2	—	ins.	∞ a. 12 n.	[n. 11 a. 1 p.]	
2	76	29° 59	29° 2	29° 59	29° 2	37° 3	26° 0	37° 3	1° 0	1° 0	133	203	83	92	Calm	0	SW	1	10	10	10	460	1200 (mist) a.	* 11 a. 1 p.	
3	29° 10	28° 99	43° 1	40° 9	36° 9	47° 1	0° 8	1° 7	261	220	93	87	SW	4	W	2	10	10	10	10	353	Squally 2 a.			
4	28° 93	28° 95	35° 8	34° 8	34° 1	41° 7	0° 5	0° 9	201	184	96	92	SW	1	Calm	0	9	8	128	2 a. 2 (sleet) showers.					
5	28° 94	29° 05	34° 3	34° 2	32° 7	37° 6	1° 0	0° 9	178	180	89	90	Calm	0	Calm	0	10	10	012	2 a. 2 (mist).					
6	29° 19	29° 21	32° 1	36° 6	31° 4	38° 6	0° 5	1° 7	171	185	93	86	Calm	0	S	1	8	9	086	7 a. 2 (mist) a.				U 10 p.	
7	28° 70	28° 64	37° 5	40° 5	35° 1	43° 4	1° 5	1° 5	195	220	87	88	SE	1	SW	1	10	4	253	Dull, with					
8	68	92	42° 2	40° 7	40° 4	44° 2	0° 8	0° 6	252	241	93	95	SW	1	Calm	0	10	9	108	2 a. 2 Dull day. ∞ n.					
9	77	73	42° 1	42° 2	37° 4	44° 7	1° 0	2° 0	246	227	92	85	SE	1	Calm	0	10	9	116	2 a. and n. Dull day.					
10	78	28° 77	38° 5	40° 5	38° 2	42° 7	0° 8	0° 6	217	239	93	95	E	1	Calm	0	9	10	020	2 a. and p. Dull day.					
11	28° 86	29° 02	39° 9	41° 2	39° 0	42° 9	0° 9	2° 3	227	212	93	82	Calm	0	SE	1	10	9	—	2 a. 2 Dull day.					
12	29° 20	39	40° 1	36° 0	35° 6	41° 5	2° 3	1° 7	202	180	81	85	SE	1	E	1	9	8	045	Cloudy day.					
13	27	18	41° 7	42° 6	35° 2	43° 1	1° 3	0° 7	237	258	90	94	E	2	NE	1	10	10	047	2 a. 2 Dull day.					
14	23	45	43° 2	42° 0	42° 0	46° 1	1° 2	2° 2	255	221	91	84	SW	1	Calm	0	10	3	—	Dull and cloudy.					
15	49	52	36° 7	39° 5	35° 1	42° 4	1° 2	1° 6	195	211	90	87	E	1	E	1	10	4	—	Overcast.					
16	54	53	34° 9	38° 7	34° 8	39° 7	0° 9	1° 4	185	208	91	89	E	1	Calm	0	8	10	040	2 a. 2 ∞ n.					
17	48	61	38° 3	30° 8	30° 4	39° 3	2° 0	0° 2	192	167	83	97	SE	1	Calm	0	10	8	062	2 a. 2 ∞ n.					
18	73	78	32° 5	37° 3	29° 4	37° 5	0° 7	0° 7	170	209	91	94	E	1	E	1	10	9	028	2 a. 2 Dull day.					
19	78	73	40° 7	39° 3	37° 1	41° 6	1° 2	0° 9	229	223	90	93	E	1	E	1	10	10	315	Overcast, with					
20	80	85	39° 2	42° 3	38° 1	42° 5	0° 5	1° 3	230	242	96	90	Calm	0	S	1	10	10	—	2 a. 2 (mist) a. Overcast.					
21	78	65	42° 7	48° 0	40° 2	48° 2	1° 4	1° 9	244	287	88	87	SE	1	S	2	10	10	292	Dull, with					
22	53	61	51° 7	45° 3	45° 2	52° 8	1° 7	1° 1	339	277	88	92	SW	5	Calm	0	10	10	390	Squally a. Overcast, with					
23	76	82	45° 2	39° 6	39° 6	46° 4	0° 8	0° 7	283	229	94	94	W	1	Calm	0	10	2	—	Fine day. ∞ p.					
24	84	86	34° 6	37° 1	33° 1	40° 2	0° 1	0° 4	199	213	99	96	Calm	0	Calm	0	10	8	—	2 a. 2 ∞ n.					
25	29° 96	98	34° 2	29° 5	29° 3	38° 1	0° 2	0° 0	194	104	98	100	Calm	0	Calm	0	10	10	—	Overcast, with					
26	30° 00	29° 99	29° 5	33° 5	27° 5	36° 5	0° 0	0° 4	164	184	100	95	Calm	0	Calm	0	10	10	—	2 a. 2 ∞ n.					
27	93	30° 04	36° 1	36° 9	33° 2	38° 1	1° 9	1° 0	178	200	83	92	SE	1	E	1	10	10	—	Dull and overcast.					
28	30° 06	29° 97	36° 3	36° 5	35° 2	38° 1	1° 7	3° 5	183	153	85	71	E	1	SE	1	10	10	—	Dull and overcast.					
29	29° 98	30° 05	33° 7	30° 6	29° 9	36° 8	3° 2	1° 5	132	135	68	78	SE	1	E	1	9	3	—	Dull day. ∞ n.					
30	30° 03	29° 86	27° 5	32° 2	25° 4	33° 4	0° 9	1° 9	122	141	82	77	E	1	E	1	2	2	—	Fine day. ∞ n.					
31	29° 76	29° 74	35° 2	35° 9	31° 8	37° 6	1° 7	2° 9	173	158	84	75	E	1	SE	2	6	8	—	Fine day. 12°.					
Mean	29° 465	29° 491	37° 4	37° 9	34° 5	41° 2	1° 2	1° 3	203	203	88° 7	88° 4	1° 0	0° 6	9° 1	7° 9	2° 755								



## SCARBOROUGH.—DECEMBER 1903.

Height above Mean Sea Level, { 62 feet till Dec. 19th. } Heights above Ground:—Bar., { 65 feet till Dec. 19th. }  
 { 100 feet from Dec. 20th. } { 27 feet from Dec. 20th. }  
 Therms., 4 feet. Rain-gauge, 1 foot. Long. 0° 24' W. Lat. 54° 18' N. Gravity Correction, +0.25 in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.		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.	34.5	35.5	31.0	42.0	1.3	1.7	in.	in.	%	%	N	5	6	4	ins.	
2	29.43	29.62	34.5	35.5	31.0	42.0	1.3	1.7	166	174	86	84	N	5	6	4	16	
3	50	82	34.0	34.0	29.0	39.5	2.0	1.8	156	160	80	81	NW	4	5	6	02	
4	56	24	36.0	39.0	30.5	43.0	1.5	1.5	182	208	86	87	SW	10	10	6	10	
5	13	12	38.5	34.0	31.5	40.0	1.0	0.5	203	185	87	94	SW	5	5	2	08	
6	13	13	34.5	32.0	24.5	38.0	1.0	0.6	179	169	89	92	W	3	3	10	06	
7	26	29.39	30.2	33.0	24.5	38.0	1.2	1.5	136	136	81	83	S	2	2	9	10	
8	29.29	28.95	33.2	40.0	32.5	41.5	1.2	1.0	164	226	86	92	S	7	4	10	16	
9	29.07	29.03	37.5	40.0	33.2	42.0	2.0	0.5	186	240	83	96	SW	5	5	8	10	
10	29.01	28.92	40.0	39.0	35.0	44.0	0.5	1.5	236	208	96	87	S	6	6	10	06	
11	29.07	29.25	37.0	40.0	35.0	44.0	1.5	1.0	195	226	86	92	S	6	4	7	09	
12	44	45	35.5	42.0	33.8	45.5	2.5	0.8	160	249	77	94	SW	3	3	4	06	
13	33	24	43.0	40.0	39.0	45.0	0.8	0.8	239	231	94	94	SE	6	SE	6	10	
14	43	59	43.2	40.5	37.0	46.0	0.7	1.0	264	231	94	92	SW	4	SW	5	04	
15	64	63	38.0	38.5	28.5	46.0	0.5	0.5	218	223	95	95	S	3	S	6	02	
16	62	38	40.5	39.0	29.5	43.0	1.0	0.8	231	222	92	94	S	3	S	7	08	
17	74	73	40.0	39.5	32.8	44.2	1.5	1.0	216	222	87	92	S	3	S	4	02	
18	78	83	38.0	42.0	31.5	44.8	0.5	0.5	218	256	95	96	NW	3	SE	3	10	
19	88	29.85	41.8	41.0	39.0	44.2	2.0	1.5	223	225	84	87	SE	6	Calm	0	10	
20	29.92	30.01	39.0	36.5	35.5	43.5	1.0	0.5	218	205	92	95	SW	3	SW	3	10	
21	30.06	30.01	34.5	39.5	33.5	41.5	0.5	0.5	188	231	94	96	SW	4	SW	6	10	
22	29.97	29.89	46.0	45.0	39.2	49.2	2.0	2.0	264	254	85	85	SW	4	S	6	10	
23	91	87	43.5	44.0	42.5	47.5	0.7	1.0	267	265	94	92	SW	3	SE	2	8	
24	81	86	40.2	41.0	39.0	45.0	2.4	2.5	201	207	81	80	NE	6	NE	7	10	
25	92	94	42.5	40.0	38.0	43.0	3.0	2.0	210	207	77	84	N	6	N	7	10	
26	29.99	29.99	40.0	39.5	37.0	42.0	1.8	3.0	211	184	86	76	E	8	E	6	10	
27	30.07	30.06	39.8	37.5	36.0	41.5	1.8	0.7	208	210	86	93	E	6	E	3	10	
28	15	08	38.5	37.0	35.0	40.0	3.3	2.8	172	169	74	77	SE	7	SE	8	10	
29	08	30.12	35.5	37.0	34.0	39.2	2.5	2.5	160	174	77	78	SE	6	E	4	10	
30	30.11	29.97	37.0	36.5	35.0	38.0	2.5	2.5	174	170	79	78	SE	7	SE	6	8	
31	29.86	29.80	37.5	36.0	35.0	39.0	2.5	1.8	177	177	79	84	SE	8	SE	4	10	
Mean	29.616	29.607	38.3	38.7	34.0	42.7	1.6	1.3	201	209	86.0	88.4	5.0	4.6	8.1	8.3	1.26	

## CRONKBORNE.—DECEMBER 1903.

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.

1	29.51	29.73	34.7	30.2	30.0	38.0	2.3	0.4	157	157	77	94	N	1	NW	2	1	2	—	1 a. Fine day. 12 p. [3p.
2	29.54	29.74	34.9	30.5	25.2	39.8	0.4	1.9	137	205	82	85	NW	1	SW	3	4	9	321	2 a. * (sleet) showers from
3	29.38	29.18	45.2	43.7	39.2	45.6	0.9	2.0	280	223	93	78	SW	5-6	W	3	10	8	746	Overcast, with squally
4	29.11	29.08	40.6	39.0	38.1	44.0	2.6	1.8	201	203	80	86	W	4	WSW	3	4	8	203	Cloudy day.
5	28.99	29.11	31.8	31.7	27.5	40.7	1.2	0.7	152	162	84	91	N	1	NNW	1	4	4	019	2 a. Cloudy day. shower n.
6	29.30	29.30	35.6	41.0	30.4	43.5	1.1	3.6	189	187	90	73	NW	1	S	3	8	141	2 a. Fine day. 2 n.	
7	28.80	28.79	46.2	45.4	39.2	47.0	2.1	3.1	265	236	86	78	W	3-4	SSW	5	6	8	092	a. and n. Dull day.
8	28.85	29.04	46.1	47.0	44.0	47.3	2.4	2.2	258	271	83	85	WSW	4	WSW	3-4	9	4	134	Dull, with showers.
9	28.81	28.80	45.8	46.2	43.0	47.6	1.4	2.7	277	253	90	82	WSW	4	SSW	4	6	7	143	Dull day.
10	27.74	28.81	44.3	40.3	40.3	46.8	0.3	0.8	284	234	98	94	SE	3	WNW	1	10	070	Dull, with showers.	
11	28.97	29.04	39.4	41.3	37.5	43.8	0.5	0.5	232	250	96	96	Caln	0	SSE	4-6	9	10	656	showers. Squally p.
12	29.27	29.29	43.0	40.8	40.2	44.0	0.7	1.2	262	230	94	91	SSE	3	ENE	5	9	10	281	Dull, with squally
13	29.20	29.14	44.0	44.3	40.3	44.8	1.5	0.8	255	273	88	94	E	5	E	3-4	10	10	442	Overcast, with showers.
14	29.32	29.44	41.6	45.3	38.0	47.8	0.4	1.8	254	261	97	87	Caln	0	SE	4-5	10	9	031	a. Dull day. showers n.
15	29.48	29.52	45.3	44.0	42.8	46.0	1.0	1.9	279	246	92	85	ESE	4	ESE	4-5	10	10	047	Overcast, with squally
16	29.53	29.53	41.4	41.2	40.4	44.0	2.9	2.2	203	213	79	83	ESE	5	ESE	4	10	8	067	Overcast all day.
17	29.55	29.66	43.2	31.0	31.0	44.7	1.2	0.3	253	166	90	95	SW	2	NW	2	10	3	028	ga. Fine from 11a. 2 p.
18	29.68	29.73	42.6	45.0	31.0	45.0	0.8	1.1	256	273	93	91	E	3	E	5-6	9	10	100	Overcast. Squally n.
19	29.77	29.76	42.0	43.4	42.0	45.2	1.2	0.9	241	262	91	93	ESE	4	ESE	3	10	10	140	a. and n. Overcast.
20	29.86	29.95	45.3	43.8	43.2	46.4	0.8	0.4	284	276	94	97	SE	2	SE	3	10	10	003	Overcast all day.
21	29.88	29.82	47.6	48.4	43.0	45.6	1.4	0.6	295	326	90	96	SSE	5	S	5-6	10	10	250	Overcast, with squally p. p.
22	29.84	29.73	50.7	47.0	46.0	51.2	1.1	0.2	312	318	92	99	S	5-6	S	2-3	10	10	404	Overcast. p.
23	29.86	29.88	44.3	33.4	35.4	47.8	1.5	0.4	258	200	88	96	WNW	1	N	2	8	4	002	Dull day.
24	29.85	29.91	38.5	35.8	34.5	47.8	1.1	1.1	211	191	91	91	NNW	2	NNW	1	1	0	—	2 a. Fine day. 1 p.
25	29.98	29.97	31.7	29.0	29.0	44.5	2.2	1.5	130	118	72	75	NNW	1	NNW	2	2	4	014	2 a. and p. Fine day.
26	29.98	29.97	37.4	39.5	29.0	41.7	1.1	3.2	202	181	91	75	NE	2	ESE	5	7	2	—	Dull day.
27	30.03	30.03	39.5	40.0	37.1	40.9	1.9	1.5	205	217	85	88	SE	3	E	3	10	10	002	Overcast all day. 3p.
28	30.06	29.97	38.6	38.4	38.4	40.0	3.3	3.1	173	174	74	75	SE	4	SE	4	10	10	—	Overcast all day.
29	29.98	30.05	35.2	35.6	34.0	38.4	0.9	2.6	188	160	91	76	ESE	3-4	ESE	4	10	3	—	Overcast all day.
30	30.01	29.83	36.4	35.8	33.9	37.6	2.4	2.6	171	162	79	77	ESE	5-6	ESE	6	6	3	—	Dull day.
31	29.74	29.72	35.6	36.4	35.3	37.3	2.8	2.1	156	176	75	82	ESE	6	ESE	5-6	6	10	—	Dull day.
Mean	29.514	29.534	40.7	40.2	36.7	44.1	1.5	1.6	227	219	87.6	86.7	3.0	3.5	7.5	7.2	4.736			

## STONYHURST.—DECEMBER 1903.

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, +0.23 in.

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.
							Dep. of Wet.		Vapour Pressure.		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.	%	%	NNE 1	Calm 0	4	0	ins.	—
2	29.23	29.47	31.0	30.3	30.3	36.2	0.5	1.3	.161	.136	92	80	Calm 0	WSW 2	4	10	.360	— Fine and sunny. ☼ <sup>0</sup> (mist).
3	.63	29.59	25.0	34.0	24.1	34.7	0.5	0.3	.117	.190	87	97	Calm 0	WSW 2	4	10	.360	— Cloudy day. ☼ <sup>0</sup> (mist).
4	29.30	28.98	27.7	42.5	33.3	43.2	2.2	.02	.193	.263	83	98	swbyS 4	WSW 2	10	10	1.010	Squally ☼ <sup>0</sup> p. ☼ <sup>0</sup> p. Bright intervals.
5	28.92	.89	36.6	36.6	36.2	42.5	0.8	0.6	.201	.205	93	95	W byS 2	WSW 1	9	10	.240	—
6	28.82	28.88	33.4	30.7	30.7	36.7	0.4	0.2	.183	.167	96	97	Calm 0	Calm 0	10	10	—	—
7	29.11	29.17	27.7	31.8	26.7	32.2	0.5	0.5	.135	.167	90	94	Calm 0	Calm 0	10	5	.230	— most of day. ☼ <sup>0</sup> p.
8	28.71	28.68	32.3	38.2	30.8	42.7	1.0	1.0	.203	.210	92	92	SE 8	swbyS 1	10	7	.190	—
9	.67	.84	47.0	44.0	37.0	44.2	0.3	.03	.260	.281	98	98	SW 2	WSW 2	10	10	.340	— (gale) a. Dull day. Fine p.
10	.68	.68	41.0	40.2	40.2	45.7	1.0	1.0	.235	.228	92	92	SE 2	S byW 1	10	3	.075	Overcast, with ☼.
11	.60	.61	41.2	41.7	39.0	43.9	0.9	0.7	.240	.249	93	91	SE byE 3	S 1	10	10	.250	Sunny through mist. ☼
12	28.80	28.96	40.2	37.5	37.5	44.2	0.9	1.5	.230	.195	92	87	S 1	S 4	10	5	—	—
13	29.14	29.11	35.5	39.2	34.5	39.2	1.1	1.2	.187	.216	90	90	SE 1	E by S 4	6	10	—	—
14	28.99	28.89	41.7	44.0	39.0	44.0	1.1	1.2	.241	.261	92	93	E 3	E 3	10	10	.090	—
15	29.18	29.31	42.0	39.8	38.5	44.4	0.7	1.8	.252	.209	94	86	S 1	ESE 1	10	0	—	Overcast, with squally ☼.
16	.34	.37	39.0	39.0	38.2	41.6	1.0	1.0	.218	.218	92	92	E by S 2	E by S 2	10	10	—	Gloomy a. ☼ <sup>0</sup> (mist) p.
17	.34	.34	36.3	36.0	35.7	40.3	1.3	2.0	.190	.175	89	82	ENE 1	E byN 1	10	0	.005	Overcast, with ☼ <sup>0</sup> (mist).
18	.37	.48	38.6	36.4	35.2	39.2	1.7	0.4	.201	.207	86	96	Calm 0	ESE 1	10	10	.050	—
19	.48	.53	35.3	42.0	33.1	42.0	0.3	0.8	.201	.249	97	94	NE 2	ENE 2	10	10	.090	—
20	.58	.59	39.7	39.0	39.0	42.3	1.5	1.2	.214	.214	88	90	E by N 2	E 1	10	10	—	—
21	.68	.78	38.2	37.0	37.0	39.3	0.6	0.5	.218	.210	95	96	Calm 0	Calm 0	10	10	—	☼ <sup>0</sup> (mist) a. Overcast day.
22	.78	.71	38.0	44.5	36.0	44.5	0.5	1.5	.218	.259	96	88	S by E 1	S 3	10	10	—	Dull and overcast. ☼
23	.65	.59	47.0	47.2	44.2	49.2	0.3	1.0	.316	.300	98	93	S by E 6	S 5	10	10	.040	Gloomy day. ☼ <sup>0</sup> (mist).
24	.65	.61	45.0	43.2	43.0	47.2	0.7	1.5	.282	.247	94	89	Calm 0	NNW 1	10	10	—	Overcast day. ☼
25	.58	.62	40.5	41.0	40.3	43.3	2.5	1.5	.202	.225	80	88	NE 1	N 1	10	10	—	Cloudy day. ☼
26	.70	.74	39.7	37.0	36.0	42.0	2.3	2.0	.200	.182	81	83	N 1	N by E 1	8	9	—	—
27	.73	.75	36.3	37.3	32.9	38.6	1.3	2.3	.190	.179	89	81	ENE 1	E 1	6	10	—	Cloudy day. Bright intervals.
28	.81	.82	36.3	35.2	34.5	38.6	1.8	0.9	.181	.183	85	91	E 2	ENE 1	10	10	—	Overcast day. ☼
29	.85	.80	35.0	34.2	34.2	35.9	1.6	1.9	.172	.160	84	81	E 3	E by S 3	10	10	—	Overcast day.
30	.76	.85	30.6	32.0	30.1	34.2	2.6	2.2	.111	.133	65	73	E by S 2	ENE 2	6	0	—	☼ showers.
31	.81	.64	31.0	31.3	27.5	34.2	2.5	1.6	.117	.138	67	78	N 1	ENE 2	7	4	—	—
Mean	29.336	29.348	37.1	37.9	35.0	40.7	1.2	1.1	.200	.207	88.6	89.4	1.8	1.7	8.9	7.8	2.970	—



## CAMBRIDGE.—DECEMBER 1903.

Height above Mean Sea Level, 83 feet. Heights above Ground:—Bar., 5 feet. Therms., 4 feet. Rain-gauge,  $9\frac{1}{2}$  inches.  
Long.  $0^{\circ} 6' E$ . Lat.  $52^{\circ} 13' N$ . Gravity Correction,  $+0.19$  in.

Day.	Barometer at 32° Fahr. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours begin- ning	Remarks.	
							Dep. of Wet.		Vapour Pressure.		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	29.44	29.66	33.3	29.2	28.0	36.0	0.3	0.7	.184	.142	97	88	NbyW <sub>2</sub>	NbyW <sub>3</sub>	4	4	.010	* storms during day. ☼	
3	29.5	29.8	30.0	26.8	25.2	33.0	0.5	0.0	.153	.146	92	100	N	SW	2	3	0	☼ Bright and frosty.	
4	29.85	29.52	35.0	42.0	25.2	43.2	2.1	1.3	.162	.239	80	90	SW	S	7	10	.087	Overcast, with ☼.	
5	29.32	29.27	43.0	34.0	31.1	46.1	1.1	0.8	.253	.180	91	91	SSW	SW	3	7	0		
6	29.13	29.16	30.8	29.0	27.7	34.5	0.1	0.0	.170	.160	99	100	Calmo	NNW	2	10	10	☼ all day.	
7	29.44	29.36	29.8	31.4	27.4	32.4	0.2	0.0	.160	.177	97	100	WNW	SSW	1	10	10	☼ (mist).	
8	29.28	29.10	39.2	36.9	28.8	41.1	2.1	0.1	.199	.217	83	99	S	SSW	2	10	10	☼ showers.	
9	29.16	29.26	40.7	44.4	32.1	47.1	0.9	0.9	.235	.272	92	93	SSW	SSW	3	10	7	☼ showers.	
10	29.06	29.09	44.9	42.8	39.5	46.1	0.8	0.4	.277	.266	93	97	SSE	SW	3	10	7	☼ showers.	
11	29.26	29.40	40.8	36.3	34.9	45.3	1.0	0.5	.234	.205	92	96	S	SSW	4	10	6	☼ showers.	
12	29.49	29.26	38.9	43.3	32.6	44.1	0.2	1.6	.233	.246	99	88	S	SE	5	8	10	☼ showers till 6p.	
13	29.46	29.30	45.0	48.2	40.4	48.9	1.7	1.9	.260	.290	87	87	E	S	2	5	0	Fine day.	
14	29.58	29.67	41.9	36.3	34.8	49.1	0.5	0.3	.255	.208	96	97	S	S	1	4	8	☼ Cloudy day.	
15	29.70	29.67	41.2	40.3	34.3	43.2	0.6	1.2	.246	.225	96	91	SSE	SE	3	10	10	☼ Cloudy day.	
16	29.60	29.61	39.2	34.6	32.8	43.1	2.1	1.3	.199	.175	83	87	E	E	3	9	7	☼ Sunny a.	
17	29.70	29.79	37.0	41.0	31.8	43.3	0.2	0.2	.216	.253	98	98	Calmo	Calmo	0	10	10	☼ Cloudy and overcast.	
18	29.77	29.79	42.5	43.2	36.6	44.5	0.1	0.5	.270	.268	99	96	E	E	1	10	10	☼ ☼.	
19	29.89	29.89	40.8	39.2	37.8	43.9	0.7	0.3	.238	.234	94	97	E	E	1	10	10	☼ Overcast, with ☼ (mist).	
20	30.02	30.11	38.8	38.9	36.1	39.9	0.6	0.2	.224	.233	96	99	Calmo	Calmo	0	10	10	☼ Overcast all day.	
21	29.21	29.19	38.1	44.8	36.2	45.2	0.1	0.5	.227	.285	99	96	Calmo	Calmo	0	10	10	☼ Overcast, with ☼.	
22	29.14	29.08	48.0	44.8	36.1	50.0	1.3	0.9	.302	.276	91	93	S	S	3	10	10	☼ Overcast, with ☼ (mist).	
23	29.01	29.84	42.0	37.1	35.7	44.8	0.5	0.2	.256	.217	96	98	S	NE	1	10	10	☼ Overcast all day.	
24	29.84	29.90	36.9	35.0	32.2	39.3	1.3	0.3	.194	.198	89	97	N	N	1	10	10	☼ Overcast, with ☼ (mist).	
25	29.95	29.96	39.4	38.5	33.4	40.5	0.7	1.7	.228	.199	95	86	NW	3	NNW	3	10	6	☼ Overcast all day.
26	29.94	30.02	37.2	34.5	33.0	39.4	0.4	1.0	.214	.180	96	95	N	E	2	10	10	☼ ☼.	
27	30.06	30.05	36.6	35.1	34.9	38.5	1.2	0.5	.194	.195	90	95	NNE	NNE	2	10	10	☼ ☼.	
28	29.11	29.10	36.9	34.0	32.5	37.3	0.9	2.0	.201	.156	92	79	E	E	4	10	10	☼ ☼ (sleet) during day.	
29	29.05	29.10	35.0	27.8	26.0	36.2	3.2	0.0	.145	.152	71	100	E	NE	1	0	2	☼ ☼ (sleet).	
30	29.07	29.02	29.5	29.3	24.2	35.1	1.2	0.7	.131	.143	81	88	NE	3	E	2	0	☼ Sunny day. ☼	
31	29.79	29.78	32.5	31.7	22.7	32.7	0.7	0.4	.170	.170	92	95	E	E	1	10	10	☼ Clear and frosty.	
Mean	29.681	29.679	38.4	37.2	32.3	41.9	0.9	0.7	.217	.212	92.1	93.7	2.3	2.4	8.1	7.1	1.203	☼ Overcast all day.	

## WOOLACOMBE.—DECEMBER 1903.

Height above Mean Sea Level, 59 feet. Heights above Ground:—Bar., 20 feet. Therms., 4 feet. Rain-gauge, 1 foot.  
Long.  $4^{\circ} 12' W$ . Lat.  $51^{\circ} 10' N$ . Gravity Correction,  $+0.16$  in.

1	29.52	29.72	38.1	36.5	35.0	40.0	2.3	2.7	186	166	81	77	NE	4	NE	3	4	1	—	☼ 9p.
2	29.97	30.04	36.5	37.9	33.0	43.6	2.1	3.1	176	170	81	75	N	2	NE	3	1	5	—	☼ 9a. Fine and bright.
3	29.86	29.48	43.5	48.5	34.0	49.0	3.3	1.0	214	316	76	92	SW	4	SW	4	9	10	—	Sunless day.
4	29.41	29.49	45.5	43.3	42.2	50.4	3.5	2.9	229	219	75	78	W	4	W	3	4	2	—	☼ 2p.
5	29.12	29.17	36.7	37.3	35.0	45.0	0.9	1.3	199	197	92	88	SE	3	NE	2	5	4	—	☼ at intervals.
6	29.50	29.51	43.7	37.7	37.2	45.0	3.9	1.5	205	196	72	86	NW	2	NE	3	4	8	—	Fine and bright.
7	29.11	29.17	50.7	48.3	37.0	51.8	1.0	2.3	344	283	93	83	SW	3	W	4	9	5	—	☼ during day. Very boisterous at 10.30a. Sunless day. [times.
8	29.25	29.38	49.9	49.5	38.0	51.8	2.2	2.2	304	298	85	85	SW	5	SW	4	10	8	—	☼ 4p. < 9p.
9	29.13	29.07	50.3	45.7	44.0	52.0	1.8	1.7	318	268	88	87	SW	5	SW	4	6	1	—	☼ 10.30a. Sunless day. [times.
10	28.91	29.09	45.3	46.3	44.0	48.2	1.5	1.5	268	278	88	88	S	3	W	5	8	8	—	☼ 4p. < 9p.
11	29.24	29.31	46.1	37.7	37.7	48.0	3.3	1.7	238	193	77	85	SW	4	SE	4	5	1	—	☼ 9a.
12	29.22	29.03	43.5	45.7	36.0	46.4	2.3	2.1	232	259	82	84	NE	4	E	4	10	2	—	☼ 9a.
13	28.99	29.08	46.7	46.9	44.8	48.6	1.1	1.3	293	290	91	90	NE	3	SW	4	9	10	—	☼ 9a.
14	29.48	29.45	40.5	47.7	38.6	48.4	1.5	0.9	221	308	87	93	SE	3	SE	3	5	10	—	☼ 9a.
15	29.49	29.46	47.5	44.7	44.0	49.0	1.1	1.9	302	253	92	85	SE	4	E	4	10	9	—	☼ 9a.
16	29.46	29.53	40.5	41.3	40.4	45.4	1.3	0.9	225	240	89	93	E	4	NE	4	7	10	—	☼ 9a.
17	29.68	29.67	43.9	46.5	41.2	47.0	0.9	1.7	266	276	93	87	NE	3	E	3	7	9	—	☼ 9a.
18	29.56	29.63	47.9	46.9	45.6	48.0	1.7	2.1	292	272	88	84	E	3	E	3	9	10	—	☼ 9a.
19	29.77	29.82	46.1	44.5	44.0	47.6	1.1	0.9	286	273	91	93	E	3	E	3	10	10	—	☼ 9a.
20	29.99	30.05	44.5	44.9	42.0	46.2	1.1	0.9	268	277	91	93	E	3	E	3	10	10	—	☼ 9a.
21	30.06	30.05	47.9	51.1	44.0	51.6	1.7	2.0	292	323	87	86	SE	3	E	4	9	8	—	☼ 9a.
22	29.99	29.92	52.5	48.5	48.0	52.8	1.4	0.8	357	321	90	94	SE	4	S	3	9	10	—	☼ 9a.
23	29.95	29.86	45.7	46.5	45.2	48.6	0.9	0.9	286	295	93	93	E	1	NE	3	10	10	—	☼ 9a.
24	29.92	30.00	45.3	46.1	41.2	47.0	2.5	1.9	246	268	81	86	N	3	N	2	5	1	—	☼ 9a.
25	30.03	30.03	47.7	38.7	38.0	46.1	2.1	1.9	280	198	84	85	N	2	N	1	1	1	—	☼ 9a.
26	29.98	29.95	39.1	37.5	36.8	41.6	2.3	2.1	194	184	81	82	NE	3	NE	4	7	7	—	☼ 9a.
27	30.03	30.02	36.5	37.3	32.4	39.8	2.1	2.1	176	183	81	82	NE	3	NE	3	9	8	—	☼ 9a.
28	30.03	29.99	37.1	36.7	34.0	38.8	2.5	2.7	174	168	79	77	E	3	NE	3	9	10	—	☼ 9a.
29	29.92	30.00	34.9	30.7	30.2	36.8	2.1	1.9	162	125	80	74	NE	4	NE	3	9	0	—	☼ 9a.
30	29.97	29.80	29.9	29.9	28.0	34.0	1.9	1.9	117	71	71	71	E	3	E	3	1	1	—	☼ 9a.
31	29.65	29.71	28.9	26.9	26.8	32.8	1.1	1.8	128	99	80	64	E	4	E	2	6	1	—	☼ 9a.
Mean	29.618	29.628	43.0	42.2	38.7	45.8	1.9	1.8	241	236	84.5	84.5	3.2	3.3	6.8	6.1	2.56			

## SOUTHAMPTON.—DECEMBER 1903.

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,  $+0.16$  in.

Day.	Barometer at 32° Fahr. at Station Level.		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 Pressure.	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.	31.5	32.5	29.4	38.3	0.8	1.2	159	159	89	86	N	4	NNE	4	8	8	ins.	— a. and p. Fine day. ☼
2	29.44	29.64	31.5	32.5	29.4	38.3	0.8	1.2	159	159	89	86	N	4	NNE	4	8	8	— a. and p. Fine day. ☼ p.	— a. and p. Fine day. ☼ p.
3	29.91	30.05	31.0	29.3	28.4	39.4	1.0	0.3	148	154	85	95	NNE	4	NW	4	1	0	— a. and p. Fine day. ☼	— a. and p. Fine day. ☼
4	29.96	29.64	33.2	44.2	23.1	46.3	1.2	1.2	165	263	87	91	SW	3	SW	3	10	10	4.80	— a. Squally (force 7) ☼ p.
5	29.40	29.34	43.4	36.0	35.1	48.9	1.0	1.1	260	191	92	90	SW	3	SW	3	10	1	0.20	— a. Fine day. ☼ p.
6	29.13	29.17	29.2	30.8	28.1	38.3	0.0	0.5	161	160	100	93	NW	3	NW	2	10	10	—	— a. and p.
7	29.43	29.58	32.6	30.0	28.6	39.4	0.7	0.5	171	153	92	92	NW	3	NW	2	10	0	1.10	— a. Fine day. ☼ p.
8	29.27	29.17	42.2	41.9	28.6	49.3	0.9	1.4	250	237	92	90	SW	6	SW	3.5	10	1	2.50	— (force 7) 6a.—12p.
9	29.38	29.45	45.9	45.3	39.9	50.4	2.4	1.7	256	260	84	87	SW	4	SW	3	10	2	3.00	— showers.
10	29.09	29.18	51.3	45.4	43.7	52.7	0.4	1.4	367	271	97	90	SW	4.5	SW	4	10	0	4.90	— a.
11	29.04	29.10	45.2	42.8	42.7	49.3	1.3	0.9	270	256	89	93	SW	5	SW	4	10	0	5.20	— a. and p.
12	29.30	29.40	40.9	40.4	39.5	46.4	0.9	1.4	236	222	93	89	SW	3	SW	3	10	0	2.50	— a. showers p.
13	29.38	29.20	42.9	44.9	36.1	46.2	0.9	1.4	256	266	93	90	SE	4	SE	6	10	0	6.80	— (force 7) from 2p.
14	29.12	29.31	47.9	47.3	44.8	49.4	2.4	1.5	276	289	84	90	SE	6	SW	4	10	10	1.30	— showers.
15	29.56	29.62	39.8	45.7	39.5	49.3	0.8	1.6	228	270	94	89	SE	3	SE	3	5	5	—	— a. Fine day.
16	29.63	29.56	45.1	41.9	41.7	47.1	1.2	1.4	272	237	90	90	SE	4	SE	4	10	0	—	— a. Fine day. ☼ p.
17	29.51	29.56	39.3	40.4	38.9	42.7	1.3	0.9	215	233	90	93	NE	4	NE	4	10	10	0.15	— 0 from 9 p.
18	29.68	29.76	40.5	44.9	38.9	49.1	0.4	0.9	243	276	97	93	SE	3	SE	3	10	0	0.05	— a.
19	29.68	29.70	43.6	45.1	42.8	46.2	0.9	1.2	263	272	93	90	SE	4	SE	3	10	0	—	— Dull and overcast.
20	29.81	29.87	40.2	40.8	39.8	45.9	0.5	1.0	239	234	96	92	NE	3.5	NE	3.5	10	10	—	— a. Dull day. ☼ p.
21	29.97	29.11	38.9	41.3	38.8	42.4	0.4	0.3	229	253	97	98	NE	4	NE	4	10	10	0.08	—
22	29.19	29.21	40.2	45.9	38.8	48.4	0.2	1.4	245	278	98	91	NE	3	SE	3	10	10	—	— a. Dull day.
23	29.16	29.05	48.4	47.8	45.7	49.9	1.3	1.8	308	288	91	87	SE	4	SE	3	10	10	—	— Fair, but overcast.
24	29.96	29.85	45.4	40.7	39.0	48.4	0.9	0.9	283	235	94	92	SE	3	NE	3	10	10	—	— Fair, but overcast.
25	29.86	29.93	39.7	39.1	37.8	43.3	0.9	0.9	226	221	92	93	N	3	N	3	10	10	0.20	— a. Dark and gloomy.
26	29.99	29.98	39.1	38.2	38.0	41.9	0.9	0.9	221	212	93	93	NW	3	N	3	10	0	—	— a. Dull and overcast.
27	29.91	29.97	36.9	33.5	33.2	40.4	1.0	1.2	200	168	92	87	NE	3	NE	4	10	2	—	— Fair, with cool breeze.
28	29.02	29.01	34.5	35.4	29.8	37.5	1.0	0.9	180	190	90	92	NE	4	NE	2	10	10	—	— Dull and overcast. ☼ p.
29	29.07	29.02	35.7	36.8	34.4	37.7	1.1	2.7	190	169	90	77	NE	2	NE	4	10	10	—	— Dull and overcast.
30	29.96	29.00	31.2	29.5	28.4	37.7	1.2	0.2	146	158	83	97	E	4.5	NE	4	10	0	—	— Fine day.
31	29.00	29.84	26.0	27.9	25.4	32.6	0.2	0.0	134	147	95	100	E	4	NE	4	8	10	—	— a. and p. Fine, but cold.
32	29.75	29.76	24.5	24.3	23.9	30.4	0.3	0.2	121	124	92	95	NE	4	NE	4	10	2	—	— a. and p. Fine, but cold.
Mean	29.660	29.676	38.9	39.0	35.6	44.0	0.9	1.1	223	222	91.7	91.1	3.7	3.5	9.4	6.2	3.278			



## ARMAGH.—DECEMBER 1903.

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. at Station Level.		Air Temperature.				Humidity.						Wind Direction and Force.		Cloud Amount.		Rain, 24 hours beginning	Remarks.	
							Dep. of Wet.		Vapour Pressure.		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	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	NW	0.5	NW	1	0	0	ins.
2	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	4	10	10	—
3	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SSW	4	SW	3	10	10	Cloudy day.
4	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SSW	4	SW	3	10	10	—
5	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	8	10	—
6	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
7	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
8	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
9	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
10	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
11	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
12	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
13	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
14	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
15	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
16	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
17	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
18	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
19	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
20	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
21	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
22	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
23	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
24	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
25	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
26	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
27	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
28	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
29	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
30	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
31	29.50	29.75	28.4	28.2	25.2	37.0	0.4	0.4	1.14	1.22	93	90	SW	2	SSW	3	10	10	—
Mean	29.415	29.426	28.2	28.1	24.8	42.8	0.8	1.2	1.217	1.209	92.7	89.7	1.7	2.0	7.4	8.8	2.363		

## MARKREE CASTLE.—DECEMBER 1903.

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	29.66	29.86	34.0	23.5	23.5	39.4	2.0	1.5	1.158	1.078	79	62	N	1	Calm	0	5	0	—	✱. Fine day. —
2	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	SSE	2	6	10	26	Gloomy day. —
3	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	2	10	4	20	☉ showers. —
4	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
5	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
6	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
7	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
8	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
9	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
10	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
11	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
12	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
13	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
14	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
15	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
16	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
17	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
18	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
19	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
20	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
21	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
22	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
23	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
24	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
25	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
26	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
27	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
28	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
29	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
30	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
31	29.91	29.75	27.0	36.8	18.3	37.4	0.5	1.3	1.130	1.194	89	90	Calm	0	W	4	10	10	20	☉ showers. —
Mean	29.483	29.489	37.8	37.3	32.9	43.0	1.1	1.0	1.211	1.207	90.4	89.9	1.6	1.5	6.6	6.5	3.22	—	—	Very cold day. —

## DUBLIN (PHOENIX PARK).—DECEMBER 1903.

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. at Station Level.		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 Pressure.		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.	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	ins.	
2	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
3	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
4	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
5	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
6	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
7	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
8	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
9	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
10	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
11	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
12	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
13	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
14	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
15	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
16	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
17	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
18	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
19	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
20	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
21	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
22	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
23	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
24	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
25	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
26	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
27	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
28	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
29	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
30	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
31	29.55	29.76	27.7	29.7	26.5	36.4	0.2	0.9	1.145	1.141	96	85	Calm	0	2	0	—	Fine day.
Mean	29.489	29.499	38.5	39.5	33.8	43.9	1.3	1.6	213	214	88.9	87.0	1.0	0.9	6.8	6.4	1.816	



# METEOROLOGICAL OBSERVATIONS

AT

STATIONS OF THE SECOND ORDER,

FOR THE YEAR 1903.

## PART II.

# MONTHLY SUMMARIES

OF

PRESSURE, TEMPERATURE, HUMIDITY, BRIGHT SUNSHINE,

AMOUNT OF CLOUD, RAINFALL, DAYS OF WEATHER,

AND

OBSERVATIONS OF WIND DIRECTION,

AT THE FOLLOWING STATIONS:—

Scotland N. { Ben Nevis Summit.  
Deerness, Orkney, *a, b*.  
Dunrobin Castle, *c, d*.  
Fort Augustus, *a*.  
Fort William, *a*.  
Glencarron, *a*.  
Lairg, *a*.  
Strathpeffer Spa, *a*.

Scotland E. { Aberdeen, *a*.  
Braemar, *a*.  
Dundee, *c, d*.  
Gordon Castle, *c, d*.  
Lednathie, *c*.  
Marchmont, *a*.  
Ochertyre, *a*.  
Wolfelee, *c, d*.

Scotland W. { Cally, *a*.  
Cargen, *c, d*.  
Cronkbourne, Isle of Man, *a*.  
Glasgow, *a*.  
Laudale, *a*.  
Poltalloch, *c*.  
Rothesay, Isle of Bute, *c, d*.

England N.E. { Cockle Park, Morpeth.  
Durham, *a, b*.  
Rounton, Yorkshire, *a, c*.  
Scarborough, *a*.  
Seaham, *a*.  
Tealby, Lincolnshire, *a*.  
York, *a*.

England N.W. { Aysgarth, Yorkshire, *a, c*.  
Bidston, near Liverpool, *a*.  
Llandudno, *a, b*.  
Manchester, *a*.  
Prestwich, *a*.  
Stonyhurst College, *a*.

Midlands. { Belvoir Castle, Grantham, *a*.  
Berkhamsted, *a*.  
Birmingham (Edgbaston), *a*.  
Buxton, *a, b*.  
Cheadle, *a, b*.  
Cheltenham, *a*.  
Churchstoke, Montgomery,  
*b, c, d*.  
Sheffield, *a*.  
Wakefield, *a*.  
Woburn.

England E. { Bennington, Herts, *a*.  
Cambridge, *a*.  
Geldeston, *a*.  
Hillington, Norfolk, *a, b*.  
Holesley Bay.  
Lowestoft, *a*.

England S. { Bramley, Surrey.  
Eastbourne, *a*.  
Kew, *a*.  
Norwood, *a*.  
Parkstone, *c*.  
St Leonards, *a*.  
Southampton, *a*.

England S.W. { Falmouth, *a*.  
Plymouth, *a*.  
Rousdon, *c*.  
Whitechurch.  
Woolacombe, Devon, *a*.

Ireland N. { Armagh, *a*.  
Lissan, *c, d*.  
Markree Castle, Co. Sligo, *a, b*.

Ireland S. { Dublin (City), *a, b*.  
Dublin (Phoenix Park), *a*.  
Glasnevin, *a*.  
Birr Castle, *a, b*.  
Valencia, *a*.

Note:—For explanation of the letters *a, b, c*, and *d* suffixed to the names of the Stations in the above list, see "Introduction," p. xiii.



DEERNESS, *a, b.* -

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

1903.	Mean Pressure at 32° Fah.	Air Temperature.								Humidity.										
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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°466	39°2	39°4	39°3	35°5	42°0	27°8	11th	49°4	29th	2°1	1°9	2°0	in.	in.	in.	%	%	%
February	-	394	40°5	41°0	40°8	36°3	45°1	32°0	2, 23	53°8	19th	1°6	1°7	1°7	2°21	2°24	2°23	82°8	83°3	83°1
March	-	204	40°8	40°2	40°5	36°6	44°1	31°6	2nd	48°2	22nd	1°8	1°8	1°8	2°19	2°14	2°17	86°5	86°2	86°4
April	-	596	40°1	39°1	39°6	35°4	43°8	28°0	17th	49°2	30th	2°1	1°6	1°9	2°09	2°10	2°10	82°7	86°1	84°4
May	-	689	47°1	44°6	45°9	41°6	50°4	36°0	11th	60°8	31st	2°8	1°9	2°4	2°63	2°54	2°59	80°8	85°8	83°3
June	-	908	50°2	48°1	49°2	45°0	54°3	39°0	19, 20	61°6	27, 28	2°5	2°0	2°3	3°06	2°91	2°99	83°3	85°8	84°6
July	-	644	52°0	50°5	51°3	47°6	55°9	42°2	13th	66°0	9th	2°1	1°4	1°8	3°35	3°34	3°35	86°0	90°6	88°3
August	-	427	53°1	50°7	51°9	47°7	56°4	44°0	25th	63°0	9th	2°2	1°4	1°8	3°45	3°35	3°40	85°2	90°4	87°8
September	-	762	52°1	50°0	51°1	46°9	54°4	41°2	14th	57°8	2nd	1°9	1°4	1°7	3°42	3°27	3°35	87°3	90°2	88°8
October	-	251	47°6	46°4	47°0	43°2	50°1	37°4	10th	56°6	1st	2°4	1°9	2°2	2°78	2°76	2°77	83°5	86°5	85°0
November	-	609	42°2	42°0	42°1	38°1	46°2	27°2	26th	52°0	12th	1°9	2°2	2°1	2°32	2°26	2°29	84°9	82°4	83°7
December	-	29°473	40°8	40°8	40°8	37°7	43°0	30°8	1st	48°0	22nd	1°9	1°7	1°8	2°19	2°22	2°21	85°3	86°4	85°9
Year	-	29°535	45°5	44°4	45°0	41°0	48°8	—	—	—	—	2°1	1°7	1°9	2°64	2°60	2°62	84°5	86°6	85°6
15 Years, 1876-1890.	}	29°701	45°7	44°3	45°0	41°0	49°6	7°8	Jan.'81	76°0	July'76	2°1	1°7	1°9	2°68	2°61	2°65	85°0	87°6	86°3

LAIRG, *a.*

Long.  $4^{\circ} 24' W.$  Lat.  $58^{\circ} 2' N.$  Height above Mean Sea Level, 387 feet. Gravity Correction,  $+0.03$  in.

[illegible]

DUNROBIN CASTLE, *c, d.*

Long.  $3^{\circ} 56' W.$  Lat.  $57^{\circ} 59' N.$  Height above Mean Sea Level, 12 feet. Gravity Correction,  $+0.34$  in.

[illegible]

† There were no observations for the years 1894, 1895, and 1896.

DEERNESS, *a, b.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs. 25°3	% 12	6·7	6·0	6·4	ins. 3·295	ins. ·54	8th	19	6	0	1	1	10	17	6	2	1	3	24	12	9	2	3	
February	33°6	13	7·4	5·8	6·6	5·025	1·07	22nd	16	5	1	2	1	9	18	3	2	2	2	12	13	15	6	1	
March	96°6	27	5·8	4·7	5·3	2·175	·40	23rd	15	3	2	0	6	4	13	2	0	0	6	23	22	6	1	2	
April	132°5	31	7·2	7·0	7·1	3·13	·36	19th	20	11	7	0	1	14	6	11	0	8	9	5	4	7	15	1	
May	143°7	28	7·7	8·1	7·9	1·29	·42	2nd	8	1	0	0	1	17	4	12	7	7	13	4	7	5	5	2	
June	140°8	26	8·1	7·2	7·7	1·29	·25	28th	10	0	0	2	0	16	1	15	7	5	9	3	2	11	7	1	
July	128°8	24	7·9	6·8	7·4	3·895	1·58	5th	9	0	0	1	2	14	6	9	5	9	9	3	3	11	10	3	
August	130°9	28	7·9	6·6	7·3	4·27	·70	26, 30	18	1	0	3	1	14	3	2	2	3	6	10	7	17	10	5	
September	130°0	34	6·7	5·6	6·2	2·475	·41	12th	16	0	0	0	5	12	1	6	0	5	21	14	7	2	4	1	
October	83°3	27	6·8	6·6	6·7	5·124	·75	24th	21	0	0	0	2	13	8	6	7	9	14	9	8	2	5	2	
November	43°0	19	6·8	5·8	6·3	4·605	·74	14th	19	4	3	0	1	9	13	7	3	0	3	7	13	11	15	1	
December	27°8	15	6·0	6·0	6·0	2·71	·81	8th	14	0	0	0	3	9	6	2	1	1	16	23	11	1	3	4	
Year	1116°3	25	7·1	6·4	6·8	39·284	—	—	185	31	13	9	24	141	96	81	36	50	111	137	109	97	83	26	
15 Years, } 1876-1890. }	1182°8*	27*	7·0	6·9	7·0	36·708	1·660	Feb.'81 Oct.'87	235°0	31°9	16°9	5°6	33°4	157°7	65°9	72°8	41°7	49°3	106°3	102°2	87°6	114°6	94°9	60°9	

LAIRG, *a.*

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

[illegible]

DUNROBIN CASTLE, *c. d.*

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

[illegible]

\* The sunshine mean is for 20 years, 1881-1900.

† There were no observations for the years 1894, 1895, and 1896. is for 8 years only.

‡ The cloud amount mean is for 8 years only.



GORDON CASTLE, *c, d.*

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

1903.	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.			Vapour Pressure.			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. 29.592	37.8	38.8	38.3	32.5	42.0	17.2	14th	53.0	25th	2.3	2.5	2.4	in. 1.84	in. 1.88	1.86	% 81	% 80	% 80
February	569	42.5	43.1	42.8	36.8	49.1	32.5	1, 9	59.0	19th	4.1	3.5	3.8	1.92	2.07	2.00	71	74	72
March	340	42.6	40.9	41.7	35.3	47.3	27.2	15th	57.5	28th	3.0	3.4	3.2	2.12	1.90	2.01	78	75	76
April	687	43.2	40.2	41.7	34.5	48.4	28.0	24th	56.5	9, 30	3.7	2.4	3.1	2.04	2.01	2.02	74	81	78
May	754	51.3	47.3	49.3	41.2	56.2	33.5	19th	75.0	27th	4.5	5.2	4.8	2.69	2.14	2.42	72	66	69
June	986	55.4	51.8	53.6	44.8	61.3	31.2	20th	75.0	8th	4.9	2.8	3.8	3.11	3.13	3.12	71	81	76
July	720	56.9	53.9	55.4	48.0	62.8	35.5	8th	74.0	2nd	4.0	2.5	3.2	3.51	3.46	3.48	75	84	80
August	521	56.3	52.3	54.3	46.7	62.0	39.0	19th	67.0	9, 15	4.0	2.3	3.2	3.44	3.31	3.38	75	84	79
September	834	54.9	50.9	52.9	44.9	61.0	36.6	16th	69.0	23rd	3.9	2.5	3.2	3.26	3.10	3.18	75	84	80
October	300	48.6	46.7	47.7	41.3	53.7	35.0	10th	66.0	1st	3.2	2.4	2.8	2.67	2.64	2.65	78	83	80
November	726	41.6	41.6	41.6	35.8	47.8	25.6	26, 27	55.3	1st	2.5	2.6	2.6	2.12	2.10	2.11	81	80	81
December	29.542	36.9	36.9	36.9	31.0	41.0	21.1	30th	54.5	22nd	1.5	1.7	1.6	1.91	1.87	1.89	88	86	87
Year	29.631	47.3	45.4	46.4	39.4	52.7	—	—	—	—	3.5	2.8	3.1	2.55	2.47	2.51	76.6	79.8	78.2
15 Years, 1886-1900.	29.737	47.8	45.6	46.7	39.8	53.4	0.0*	Jan. '81	83.5*	Jul. '94	3.7	2.8	3.3	2.47	2.44	2.45	75	81	78

STRATHPEFFER SPA, *a.*

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

1903.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	—	34.9	35.9	35.4	31.5	42.0	18.2	13th	51.4	29th	1.6	1.5	1.6	in. 1.74	in. 1.84	1.79	% 83.7	% 85.4	% 84.6
February	—	41.2	41.0	41.1	36.7	47.9	30.8	28th	54.2	19th	2.7	2.4	2.6	2.09	2.11	2.10	80.5	81.3	80.9
March	—	40.4	39.3	39.9	35.4	46.8	29.0	2, 15	53.0	25, 27	2.8	2.3	2.6	1.98	1.98	1.98	78.3	81.7	80.0
April	—	41.5	39.8	40.7	36.0	50.2	30.0	15th	56.5	25th	3.3	2.1	2.7	2.00	2.06	2.03	75.3	82.6	79.0
May	—	49.7	47.7	48.7	42.7	57.7	35.6	12th	70.0	27th	3.9	3.0	3.5	2.69	2.65	2.67	75.1	79.8	77.5
June	—	53.6	52.5	53.1	46.6	67.7	36.0	12th	71.0	6th	4.2	3.2	3.7	3.10	3.19	3.15	74.4	79.5	77.0
July	—	55.8	54.6	55.2	49.5	67.0	41.5	18th	70.2	9th	3.9	3.3	3.6	3.40	3.38	3.39	75.9	78.8	77.4
August	—	54.9	53.6	54.3	47.8	65.7	40.0	23rd	69.4	15th	3.4	3.1	3.3	3.41	3.32	3.37	78.7	80.5	79.6
September	—	52.2	50.4	51.3	44.9	63.7	35.0	15th	67.6	18th	2.2	1.4	1.8	3.37	3.32	3.35	85.5	90.1	87.8
October	—	45.2	45.1	45.2	40.1	58.1	31.5	10th	65.2	2nd	0.8	0.9	0.9	2.85	2.82	2.84	93.5	94.0	93.8
November	—	41.7	40.6	41.2	36.7	52.3	26.8	30th	56.5	13th	2.0	1.7	1.9	2.27	2.23	2.25	84.3	86.6	85.5
December	—	33.2	33.2	33.2	29.4	43.6	19.0	30th	52.2	23rd	0.8	0.7	0.8	1.76	1.78	1.77	91.1	92.4	91.8
Year	—	45.4	44.5	45.0	39.8	55.2	—	—	—	—	2.6	2.1	2.4	2.56	2.56	2.56	81.4	84.4	82.9
15 Years, 1886-1900.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

GLENCAIRN, *a.*

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

1903.	ins.	9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	29.129	36.2	35.9	36.0	30.3	40.7	14.5	14th	52.0	26th	2.0	1.7	1.8	in. 1.77	in. 1.80	1.79	% 83	% 85	% 84
February	29.121	40.5	40.9	40.7	35.4	45.9	29.5	28th	54.7	20th	1.9	2.8	2.3	2.13	2.00	2.07	85	79	82
March	28.874	39.5	39.0	39.2	33.6	45.0	26.0	2nd	55.2	21st	2.2	2.4	2.3	2.00	1.92	1.96	82	81	82
April	29.269	40.2	38.9	39.6	33.0	46.4	22.6	14th	57.9	25th	2.6	1.9	2.3	1.98	2.00	1.99	80	85	82
May	311	49.6	45.4	47.5	40.1	55.1	33.0	19th	73.5	27th	4.2	2.2	3.2	2.57	2.53	2.55	72	84	78
June	548	53.5	49.8	51.7	42.4	60.3	32.4	12th	76.4	7, 8	4.9	2.6	3.8	2.85	2.93	2.89	69	82	76
July	298	54.0	51.8	52.9	46.4	59.8	36.6	14th	71.1	25th	3.3	2.7	3.0	3.27	3.16	3.22	78	82	80
August	906	52.8	51.3	52.0	46.6	58.0	41.3	13th	66.0	8th	2.8	1.9	2.3	3.25	3.29	3.27	81	87	84
September	29.372	54.7	50.2	52.4	44.6	61.0	33.0	14th	69.8	21st	4.6	2.8	3.7	3.06	2.93	3.00	72	81	77
October	28.873	45.9	44.8	45.3	40.0	50.3	29.0	10th	60.9	1st	2.0	1.9	1.9	2.65	2.54	2.60	86	86	86
November	29.331	42.8	40.3	41.5	36.4	45.6	19.0	30th	55.2	13th	3.4	1.7	2.5	2.06	2.15	2.11	75	87	81
December	29.089	34.9	35.6	35.3	30.4	39.7	18.0	1st	57.0	21st	1.7	2.1	1.9	1.69	1.70	1.70	83	81	82
Year	29.193	45.4	43.7	44.5	38.3	50.7	—	—	—	—	3.0	2.2	2.6	2.44	2.41	2.43	78.8	83.3	81.1
15 Years, 1886-1900.	29.303	45.5	44.2	44.9	38.9	51.3	8.6	Feb. '95	83.6	Jul. '94	2.6	2.1	2.4	2.47	2.44	2.45	81	84	83

\* The extremes of temperature are for 20 years, 1881-1900.

GORDON CASTLE, *c, d.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	Total.	Per Cent.	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	hrs. —	% —	6.3	6.3	6.3	ins. 3.52	ins. 1.08	10th	14	—	0	0	2	8	—	2	0	2	12	14	22	4	4	2	
February	—	—	7.2	6.8	7.0	2.76	.59	9th	17	—	0	2	0	12	—	0	0	0	7	4	35	2	8	0	
March	—	—	6.3	5.6	6.0	1.10	.23	19th	16	—	0	0	2	3	—	0	0	0	8	15	33	3	3	0	
April	—	—	7.9	6.9	7.4	2.27	.31	7th	23	—	0	0	0	13	—	1	9	0	16	1	9	5	19	0	
May	—	—	7.3	6.3	7.0	1.96	.62	5th	13	—	0	0	1	13	—	1	11	0	12	4	15	0	19	0	
June	—	—	7.9	7.3	7.6	1.64	.40	5th	16	—	0	1	2	16	—	2	11	0	11	2	9	5	20	0	
July	—	—	8.6	8.2	8.4	5.84	1.40	6th	20	—	0	2	0	18	—	2	8	3	14	3	14	6	12	0	
August	—	—	8.0	7.2	7.6	5.12	.83	20th	26	—	1	9	0	15	—	1	1	1	12	0	29	9	9	0	
September	—	—	6.9	5.6	6.3	1.96	.56	8th	10	—	1	0	1	6	—	0	1	0	29	9	10	2	9	0	
October	—	—	7.9	7.5	7.7	4.31	.72	29th	26	—	0	0	0	12	—	0	7	3	21	7	18	0	6	0	
November	—	—	7.2	6.7	6.9	3.64	.42	20th	23	—	4	1	2	10	—	2	2	1	3	9	29	3	11	0	
December	—	—	6.9	5.5	6.2	1.02	.64	7th	10	—	0	0	1	7	—	0	2	0	22	15	22	1	0	0	
Year	—	—	7.4	6.7	7.0	35.14	—	—	214	—	6	15	11	133	—	11	52	10	167	83	245	40	120	2	
15 Years, 1886-1900.	—	—	6.9*	6.2*	6.6*	30.78	—	—	194	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	



ABERDEEN, *a.*

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

1903.	Mean Pressure at 32° Fah.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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°645	38°5	38°8	38°7	35°1	42°2	20°6	13th	52°7	30th	2°2	2°4	2°3	in.	in.	in.	%	%	%	
February	°616	41°7	42°5	42°1	37°7	47°1	33°0	9th	56°5	19th	2°9	3°2	3°1	°190	°190	°190	82	81	82		
March	°409	41°8	41°2	41°5	37°4	46°7	31°0	7th	53°1	22nd	2°9	2°9	2°9	°206	°207	°207	79	76	78		
April	°714	41°5	39°9	40°7	36°2	45°3	29°0	17th	57°4	6th	3°0	2°2	2°6	°202	°203	°203	78	78	79		
May	29°789	48°8	47°0	47°9	42°1	53°4	34°3	11th	66°6	31st	3°8	3°1	3°5	°257	°251	°254	74	78	76		
June	30°010	53°6	50°5	52°1	45°4	57°0	35°4	20th	72°4	28th	4°6	3°0	3°8	°292	°293	°293	71	80	76		
July	29°745	55°5	54°4	55°0	49°8	60°0	39°7	8th	77°2	9th	3°8	3°0	3°4	°338	°340	°339	76	80	78		
August	°558	55°6	53°5	54°6	48°3	60°1	40°3	24th	67°6	27th	4°1	2°7	3°4	°332	°336	°334	75	82	79		
September	°877	52°5	50°7	51°6	47°3	56°9	33°7	15th	64°9	5th	2°5	2°1	2°3	°328	°317	°323	83	86	85		
October	°353	48°2	47°7	48°0	44°0	51°9	37°0	24th	60°8	22nd	2°4	2°1	2°3	°279	°281	°280	84	85	85		
November	°774	40°9	41°0	41°0	36°2	46°2	27°1	26th	53°8	12th	2°2	2°1	2°2	°211	°213	°212	84	83	84		
December	29°605	38°1	38°3	38°2	34°6	41°8	23°4	6th	51°2	22nd	1°6	1°6	1°6	°198	°200	°199	86	87	87		
Year	29°675	46°4	45°5	46°0	41°2	50°7	—	—	—	—	3°0	2°5	2°8	°253	°253	°253	79°3	81°6	80°5		
30 Years, 1871-1900.	29°758	46°2	45°2	45°7	40°6	52°0	4	Jan.'81	86	July '76	—	—	—	—	—	—	—	—	—		

FORT AUGUSTUS, *a.*

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

Air Temperature.															Humidity.									
1903.	ins.	9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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.	%	%	%					
January	29.623	36.7	37.2	37.0	31.6	41.0	15.0	13th	50.1	26th	1.5	1.7	1.6	in.	in.	in.	%	%	%					
February	.620	41.3	42.2	41.7	36.6	47.0	28.0	13th	54.0	14th	1.5	1.8	1.6	.229	.231	.230	87	85	86					
March	.381	40.0	40.0	40.0	34.6	46.0	27.0	15th	54.0	25th	1.9	1.9	1.9	.209	.209	.209	88	87	88					
April	.757	41.9	40.9	41.4	33.8	49.6	25.4	24th	59.9	25th	3.1	2.4	2.8	.205	.208	.206	85	85	85					
May	29.783	48.8	48.3	48.5	40.9	54.5	31.9	12th	69.7	25th	3.4	2.9	3.1	.268	.270	.269	78	82	80					
June	30.013	53.0	53.0	53.0	45.3	60.1	31.7	20th	69.8	4th	3.5	2.8	3.1	.311	.327	.319	78	80	79					
July	29.760	55.5	54.9	55.2	47.9	61.9	37.4	14th	72.0	25th	3.1	2.6	2.9	.354	.358	.356	80	81	79					
August	.567	53.8	53.3	53.5	47.9	60.2	39.0	23rd	66.0	23rd	2.4	2.3	2.3	.348	.343	.346	84	84	84					
September	.849	52.0	52.0	52.0	44.6	60.7	32.5	15th	69.1	21st	2.5	2.8	2.7	.323	.315	.319	84	84	84					
October	.335	46.3	46.8	46.5	40.9	51.9	26.5	10th	63.8	1st	0.8	1.7	1.2	.295	.279	.287	95	88	91					
November	.818	41.5	41.3	41.4	36.6	47.6	20.1	30th	56.4	13th	1.5	1.5	1.5	.230	.229	.230	88	88	88					
December	29.571	35.9	37.1	36.5	30.5	40.9	11.5	30th	54.0	22nd	1.8	1.2	1.5	.178	.197	.188	84	89	87					
Year	29.673	45.6	45.6	45.6	39.3	51.8	—	—	—	—	2.3	2.1	2.2	.262	.263	.262	83.9	84.4	84.2					
15 Years, 1886-1900.	29.781	45.8	45.7	45.8	39.6	52.8	2.1	Jan. '93	83.3	June '87 Aug. '99	2.4	2.3	2.3	.255	.256	.255	83	84	83					

BRAEMAR, *a.*

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

Sea Level, 1111 feet. Gravity Correction, +.030 m.																			
January	ins. 28°51'3	32°4	33°2	32°8	28°1	37°0	1°0	13th	47°3	26th	1°3	1°6	1°5	in. °163	in. °163	in. °163	% 85°3	% 83°2	% 84°3
February	°510	38°7	38°9	38°8	34°1	43°9	28°2	28th	52°7	19th	2°4	2°3	2°4	°192	°193	°193	80°8	80°8	80°8
March	°292	37°3	37°0	37°2	32°5	42°5	23°2	7th	50°0	21, 22	2°1	2°0	2°1	°184	°183	°184	81°9	82°0	82°0
April	°611	38°5	37°3	37°9	31°1	44°6	23°0	24th	56°0	9th	2°2	2°0	2°1	°193	°187	°190	82°2	82°8	82°5
May	°670	47°7	45°6	46°7	38°4	54°4	29°0	11th	72°4	26th	4°1	2°8	3°5	°247	°244	°246	74°5	81°0	77°8
June	°895	52°8	50°4	51°6	42°6	61°0	27°8	20th	73°0	8th	5°2	3°3	4°3	°277	°291	°284	69°0	78°4	73°7
July	°649	53°9	52°1	53°0	45°3	60°1	35°0	8, 19th	68°5	2nd	3°5	2°3	2°9	°327	°331	°329	78°4	84°7	81°6
August	°472	52°1	50°3	51°2	43°6	57°8	35°4	30th	63°2	2nd	3°3	2°2	2°8	°307	°310	°309	79°0	85°1	82°1
September	°762	49°6	48°2	48°9	42°9	56°7	27°0	15th	65°7	23rd	2°6	2°3	2°5	°296	°285	°291	82°2	83°8	83°0
October	°257	44°5	44°1	44°3	39°2	48°5	29°2	10th	57°0	1st	1°8	1°7	1°8	°258	°256	°257	87°0	87°7	87°4
November	°666	38°2	39°3	38°8	33°3	44°0	20°2	30th	51°2	6, 12	1°8	2°0	1°9	°199	°206	°203	85°0	83°7	84°4
December	28°471	32°7	33°4	33°1	27°5	37°0	13°2	2nd	47°8	22nd	0°7	0°9	0°8	°175	°175	°175	92°2	89°7	91°0
Year	28°564	43°2	42°5	42°9	36°6	49°0	—	—	—	—	2°6	2°1	2°4	°235	°235	°235	81°5	83°6	82°6
30 Years, 1871-1900.	—	—	—	—	36°5	50°0	17°0	Feb. '95	85°0	Aug. '76	—	—	—	—	—	—	—	—	—

ABERDEEN, *a.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	Total.	Per Cent.	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 -	hrs. 37.9	% 17	6.8	6.5	6.7	ins. 3.729	ins. 1.360	9th	16	4	1	0	2	13	4	4	1	0	12	15	15	5	4	6
February -	54.4	21	6.4	5.4	5.9	2.395	1.060	8th	14	3	0	0	2	6	7	0	0	0	2	16	20	7	5	6
March -	121.4	34	5.9	5.0	5.5	1.610	.430	16th	20	1	2	0	5	9	1	0	1	0	11	21	18	4	1	6
April -	147.6	35	6.8	5.5	6.2	2.035	.255	14th	22	9	9	0	2	10	5	1	2	7	6	6	4	10	17	7
May -	165.0	33	6.7	6.7	6.7	2.230	.700	4th	15	0	1	0	4	13	0	8	5	7	4	11	6	1	8	12
June -	148.9	28	6.7	7.4	7.1	1.625	.545	27th	16	0	0	1	0	14	0	15	4	2	4	7	3	1	10	14
July -	125.8	24	7.9	7.9	7.9	5.035	1.265	16th	18	0	0	2	0	15	1	5	3	6	9	6	5	4	12	12
August -	163.0	35	7.3	7.3	7.3	4.250	.610	5th	25	0	1	4	1	16	0	1	1	1	5	10	15	12	3	14
September -	146.5	39	5.8	5.5	5.7	2.520	.875	2nd	22	0	1	0	5	9	0	3	0	5	10	19	6	3	7	7
October -	65.7	21	5.9	6.8	6.4	4.445	.685	24th	24	0	1	0	2	10	1	3	2	5	8	14	13	4	9	4
November -	63.2	27	6.0	5.0	5.5	2.870	.490	15th	23	4	3	0	6	8	2	2	0	1	1	7	12	17	12	8
December -	7.2	4	7.3	6.3	6.8	2.475	.565	7th	21	2	2	0	4	12	0	1	0	0	14	15	8	4	9	11
Year -	1246.6	28	6.6	6.3	6.5	35.219	—	—	236	23	21	7	33	135	21	43	19	34	86	147	125	72	97	107
35 Years, 1866-1900.	1343.9*	30*	—	—	—	30.77	—	—	214†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



## OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

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

1903.	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.			Vapour Pressure.			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. 29.681	38.3	38.4	38.4	34.3	41.9	20.0	14th	51.0	26.30	2.1	2.3	2.2	in. .191	in. .188	in. .190	83	82	83		
February	.689	42.8	43.0	42.9	39.2	47.4	31.0	28th	55.0	19th	2.1	2.3	2.2	.231	.228	.230	84	82	83		
March	.433	40.9	41.6	41.3	37.2	46.5	33.0	2, 15	58.0	21st	2.2	2.5	2.4	.211	.212	.212	84	81	83		
April	.804	43.0	42.1	42.6	36.7	48.7	29.0	18, 24	58.0	29th	3.8	3.2	3.5	.201	.204	.203	72	76	74		
May	29.826	49.3	49.1	49.2	43.0	57.4	33.0	11th	72.0	28, 29	3.6	3.3	3.5	.267	.271	.269	75	77	76		
June	30.050	53.9	53.7	53.8	47.0	61.5	36.0	20th	76.0	7th	4.2	3.7	4.0	.305	.314	.310	73	76	75		
July	29.805	55.2	55.0	55.1	49.6	61.4	40.0	14th	71.0	25th	3.4	3.0	3.2	.342	.349	.346	79	81	80		
August	.621	54.0	53.2	53.6	49.0	59.8	42.0	23rd	64.0	23, 24	2.8	2.2	2.5	.339	.344	.342	81	85	83		
September	.882	53.3	53.2	53.3	48.0	60.6	36.0	15th	68.0	20, 21	3.2	3.8	3.5	.321	.306	.314	79	75	77		
October	.370	47.3	47.6	47.5	43.9	52.1	31.0	10th	60.0	1st	2.1	2.4	2.3	.276	.273	.275	85	83	84		
November	.875	43.4	42.8	43.1	39.1	47.5	23.0	30th	56.0	13th	2.6	2.3	2.5	.226	.227	.227	80	83	82		
December	29.607	37.8	38.7	38.3	34.0	42.1	21.0	30th	54.0	22nd	2.0	2.1	2.1	.189	.195	.192	83	84	84		
Year	29.720	46.6	46.5	46.6	41.8	52.2	—	—	—	—	2.8	2.8	2.8	.258	.259	.259	79.8	80.4	80.1		
30 Years, 1871-1900.	—	—	—	—	41.0	53.3	10.0*	Feb. '00	86*	Jun. '87 Jun. '88	—	—	—	—	—	—	—	—	—		

## 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	25.099	22.6	22.6	22.6	17.2	25.8	7.7	10th	35.7	26th	0.1	0.1	0.1	1.118	1.118	1.118	97	97	97
February	25.148	27.1	27.0	27.0	24.1	31.1	17.0	1st	42.3	9th	0.1	0.0	0.1	1.44	1.47	1.46	98	97	97
March	24.915	24.7	24.5	24.6	21.9	27.9	14.9	3rd	37.0	21st	0.0	0.1	0.1	1.33	1.28	1.30	100	98	99
April	25.232	24.4	24.2	24.3	21.0	28.2	12.6	17th	35.0	6th	0.1	0.2	0.1	1.28	1.23	1.26	98	95	99
May	325	33.4	33.0	33.2	29.8	36.9	15.7	11th	56.0	27th	1.2	0.8	1.0	1.67	1.71	1.69	87	91	86
June	555	38.7	38.3	38.5	34.6	42.8	22.8	18th	58.0	7th	2.7	1.3	2.0	1.84	2.05	1.94	79	89	84
July	360	39.2	39.7	39.4	36.5	43.1	27.7	7th	49.6	25th	0.6	0.4	0.5	2.28	2.37	2.33	95	96	96
August	189	37.2	37.6	37.4	35.0	41.1	31.0	21st	49.0	27th	0.2	0.0	0.1	2.18	2.25	2.22	98	100	99
September	25.405	37.2	37.0	37.1	34.0	40.4	24.3	14th	50.0	26th	0.9	0.9	0.9	2.04	2.02	2.03	92	92	92
October	24.925	31.6	31.6	31.6	29.0	34.1	22.8	7th	40.5	1st	0.3	0.1	0.2	1.71	1.76	1.74	96	99	97
November	25.315	28.1	27.9	28.0	24.5	31.8	10.9	30th	41.9	6th	0.3	0.3	0.3	1.44	1.44	1.44	93	94	94
December	25.056	24.1	24.2	24.2	22.0	26.5	13.3	1st	36.6	21st	0.2	0.3	0.3	1.22	1.19	1.20	94	92	93
Year	25.210	30.7	30.6	30.7	27.5	34.1	—	—	—	—	0.6	0.4	0.5	1.64	1.66	1.65	93.9	95.3	94.6
20 Years, 1884-1903.	25.300	31.3	31.2	31.3	28.1	34.8	—	—	—	—	—	—	—	—	—	—	—	—	—

LEDNATHIE, *c.*

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

Barometer, 715 feet. Gravity Correction, +.030 in.																				
January	-	28.948	34.5	34.8	34.6	28.5	38.2	10.5	14th	49.9	26th	1.3	1.1	1.2	in. 1.174	in. 1.180	in. 1.177	% 86	% 90	% 88
February	-	.941	38.5	39.7	39.1	32.6	45.2	22.8	26th	53.0	14, 19	2.0	2.0	2.0	1.194	2.05	1.199	84	84	84
March	-	28.724	37.9	37.6	37.7	31.2	44.3	22.0	7th	51.0	21, 22	1.9	1.7	1.8	1.191	1.93	1.192	84	85	84
April	-	29.026	39.9	37.8	38.8	32.3	47.7	25.3	4th	61.5	9th	3.0	1.9	2.4	1.188	1.191	1.190	76	84	80
May	-	.092	48.3	45.6	46.9	37.9	56.4	30.5	20th	72.8	28th	4.0	2.8	3.4	2.247	2.244	2.246	73	81	77
June	-	.317	52.9	49.6	51.2	42.4	61.3	29.3	20th	76.6	4th	4.4	2.7	3.5	2.290	2.289	2.289	72	82	77
July	-	29.063	55.0	53.0	54.0	45.7	62.7	34.0	14th	72.5	10th	6.0	1.6	3.8	2.280	3.358	3.319	65	89	77
August	-	28.887	54.1	51.1	52.6	42.5	61.4	32.5	25th	67.5	2nd	3.5	1.9	2.7	3.323	3.327	3.325	78	86	82
September	-	29.195	50.4	47.8	49.1	43.5	57.9	28.5	15th	64.0	26th	2.4	1.7	2.1	3.305	2.291	2.298	84	88	86
October	-	28.672	45.0	43.7	44.3	38.3	50.9	30.0	7, 24	62.5	2nd	1.7	1.1	1.4	2.260	2.260	2.260	87	91	89
November	-	29.103	39.3	38.9	39.1	31.9	46.0	20.0	28th	54.1	5th	2.1	2.0	2.1	2.200	1.198	1.199	84	85	84
December	-	28.906	33.7	34.0	33.8	28.7	38.4	19.5	5, 30	50.3	22nd	1.0	0.9	0.9	1.173	1.178	1.176	89	90	90
Year	-	28.990	44.1	42.8	43.4	36.3	50.9	—	—	—	—	2.8	1.8	2.3	2.236	2.243	2.240	80.2	86.3	83.3
15 Years, 1886-1900.	}	29.079	44.6	42.8	43.7	36.4	51.6	- 3.0	Feb, '95	83.2	June '95	2.9	2.0	2.5	2.232	2.233	2.232	79	85	82

\* The extremes of temperature are for 15 years, 1886-1900.

## MONTHLY SUMMARIES.—FORT WILLIAM—BEN NEVIS SUMMIT—LEDNATHIE.

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs. 21.8	% 10	7.3	6.9	7.1	ins. 16.426	ins. 2.273	29th	20	1	1	4	3	15	—	—	—	—	—	—	—	—	—	—	—
February	10.3	4	9.3	8.4	8.9	17.516	2.213	19th	26	8	4	0	0	20	—	—	—	—	—	—	—	—	—	—	—
March	39.3	11	8.8	7.9	8.4	16.612	2.095	18th	30	6	8	1	1	21	—	—	—	—	—	—	—	—	—	—	—
April	119.7	28	7.8	6.5	7.2	3.555	1.127	3rd	14	4	2	0	1	11	—	—	—	—	—	—	—	—	—	—	—
May	135.2	27	7.9	6.8	7.4	4.486	.756	14th	13	0	0	0	2	15	—	—	—	—	—	—	—	—	—	—	—
June	178.4	34	6.6	6.8	6.7	3.511	1.488	30th	11	0	0	2	4	15	—	—	—	—	—	—	—	—	—	—	—
July	141.0	27	7.5	7.9	7.7	6.070	1.767	5th	21	0	0	2	0	16	—	—	—	—	—	—	—	—	—	—	—
August	92.2	20	8.7	8.1	8.4	12.352	1.640	26th	27	0	0	2	0	21	—	—	—	—	—	—	—	—	—	—	—
September	119.2	32	7.5	5.9	6.7	6.599	1.188	7th	22	0	2	0	3	15	—	—	—	—	—	—	—	—	—	—	—
October	36.0	11	8.8	8.9	8.9	12.827	1.840	4th	30	1	0	1	0	25	—	—	—	—	—	—	—	—	—	—	—
November	22.2	9	8.3	7.6	8.0	7.851	2.487	23rd	22	2	0	0	0	18	—	—	—	—	—	—	—	—	—	—	—
December	15.0	7	8.0	7.4	7.7	5.609	1.808	2nd	18	2	0	0	2	19	—	—	—	—	—	—	—	—	—	—	—
Year	930.3	21	8.0	7.4	7.7	113.414	—	—	254	24	17	12	16	211	—	—	—	—	—	—	—	—	—	—	—
35 Years, 1866-1900.	1105.4*	25*	—	—	—	77.66	—	—	233†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



LAUDALE, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.682	39.8	40.1	40.0	34.8	43.9	23.0	13th	54.8	26th	1.8	1.8	1.8	in. 2.13	in. 2.15	in. 2.14	84.9	83.5	84.2		
February	712	44.1	44.4	44.3	39.8	48.7	30.0	28th	54.0	20th	1.8	2.0	1.9	2.54	2.53	2.54	86.5	85.5	86.0		
March	444	41.9	42.3	42.1	37.5	46.9	30.3	8th	54.2	21st	2.5	2.7	2.6	2.17	2.16	2.17	81.0	79.5	80.3		
April	823	44.3	41.9	43.1	36.5	49.6	28.0	22nd	57.5	29th	3.4	2.5	3.0	2.21	2.19	2.20	75.3	80.9	78.1		
May	29.834	52.2	49.1	50.7	43.8	58.5	31.0	11th	74.0	28th	4.4	2.9	3.7	2.86	2.83	2.85	72.5	80.6	76.6		
June	30.058	56.0	53.9	55.0	45.9	62.8	33.6	20th	76.4	8th	4.5	3.0	3.8	3.31	3.41	3.36	73.1	80.9	77.0		
July	29.816	57.5	54.7	56.1	49.0	63.1	42.0	14th	70.0	25, 26	2.6	1.8	2.2	3.99	3.79	3.89	83.9	88.0	86.0		
August	632	56.4	54.4	55.4	47.9	61.6	40.2	25th	65.3	2, 23	2.9	2.0	2.5	3.75	3.68	3.72	82.2	86.7	84.5		
September	899	55.1	54.5	54.8	47.6	61.2	33.7	14th	66.8	20th	2.9	2.6	2.8	3.57	3.59	3.58	81.8	83.7	82.8		
October	371	48.9	48.8	48.9	43.1	53.5	34.8	10th	59.3	2nd	1.4	1.5	1.5	3.13	3.10	3.12	89.9	89.3	89.6		
November	896	45.0	44.1	44.6	38.9	48.4	24.0	30th	55.3	12th	1.6	1.7	1.7	2.69	2.56	2.63	87.7	86.6	87.2		
December	29.609	39.0	39.6	39.3	34.4	43.7	24.0	1st	52.2	21, 22	1.4	1.6	1.5	2.09	2.14	2.12	86.8	85.8	86.3		
Year	29.731	48.4	47.3	47.9	41.6	53.5	—	—	—	—	2.6	2.2	2.4	2.87	2.84	2.86	82.1	84.3	83.2		
30 Years, 1871-1900.	—	—	—	—	42.0	53.5	9.7*	Feb. '00	82.0*	July '94	—	—	—	—	—	—	—	—	—	—	—

DUNDEE, *c. d.*

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

1903.	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.			Vapour Pressure.			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. 29.578	36.9	37.0	37.0	32.5	40.1	16.9	14th	51.0	25, 26	1.4	1.4	1.4	in. 1.96	in. 1.95	in. 1.96	86.8	86.5	86.7		
February	573	41.6	42.0	41.8	36.6	47.6	29.5	13th	54.0	19th	1.9	2.0	2.0	2.26	2.30	2.28	85.0	84.9	85.0		
March	353	41.2	40.3	40.8	35.7	46.9	28.2	7th	54.6	22, 31	2.1	1.9	2.0	2.18	2.12	2.15	83.5	84.7	84.1		
April	647	43.1	39.5	41.3	34.6	48.7	28.3	17th	57.7	30th	3.1	1.5	2.3	2.19	2.15	2.17	77.6	87.1	82.4		
May	697	50.9	47.0	49.0	41.4	57.0	32.2	11th	70.2	25th	3.8	2.4	3.1	2.75	2.68	2.72	76.2	82.9	79.6		
June	918	55.5	51.0	53.3	45.7	61.9	36.5	14th	77.7	4th	3.8	1.9	2.9	3.43	3.28	3.36	77.1	87.1	82.1		
July	660	58.2	55.1	56.7	49.5	65.6	39.4	19th	75.7	10th	3.3	2.0	2.7	3.92	3.80	3.86	80.7	87.1	83.9		
August	486	56.7	53.6	55.2	48.0	63.2	39.8	25, 30	69.3	12th	2.9	1.7	2.3	3.77	3.66	3.72	82.1	88.5	85.3		
September	797	52.8	50.4	51.6	46.1	59.1	34.2	15th	64.7	26th	1.6	1.2	1.4	3.57	3.39	3.48	89.2	91.4	90.3		
October	283	45.9	45.3	45.6	42.0	51.9	32.9	24th	61.3	2nd	1.2	1.0	1.1	2.85	2.82	2.84	91.3	92.3	91.8		
November	731	40.1	40.1	40.1	35.6	46.3	26.3	30th	54.3	12th	1.5	1.5	1.5	2.21	2.19	2.20	87.6	87.2	87.4		
December	29.523	35.1	35.2	35.2	31.7	39.3	23.3	30th	51.7	22nd	0.3	0.5	0.4	2.02	1.98	2.00	97.1	95.6	96.4		
Year	29.604	46.5	44.7	45.6	40.0	52.3	—	—	—	—	2.2	1.6	1.9	2.76	2.69	2.73	84.5	87.9	86.2		
30 Years, 1871-1900.	—	—	—	—	40.3	52.9	4.2	Feb. '95	88.9	June '87	—	—	—	—	—	—	—	—	—	—	—

OCHTERTYRE, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.386	35.6	35.1	35.3	30.6	39.7	13.0	14th	49.0	26, 30	1.3	1.1	1.2	in. 1.85	in. 1.83	in. 1.84	88	89	88		
February	395	41.0	40.9	41.0	36.5	47.3	28.0	12, 27	55.0	14th	2.1	1.9	2.0	2.13	2.16	2.14	83	85	84		
March	152	40.5	38.7	39.6	34.5	46.5	27.0	15th	54.0	25th	2.3	1.6	1.9	2.06	2.04	2.05	82	87	85		
April	462	43.1	39.1	41.1	34.0	51.2	26.0	17, 23	61.0	9th	3.8	2.2	3.0	2.01	1.96	1.99	72	82	77		
May	512	50.7	46.9	48.8	40.5	59.1	33.0	10th	76.0	25th	4.3	3.0	3.6	2.66	2.53	2.60	72	80	76		
June	735	56.1	51.8	54.0	45.2	65.6	32.0	19th	80.0	4th	4.8	3.2	4.0	3.23	3.04	3.13	71	79	75		
July	486	58.0	54.1	56.1	48.5	65.8	40.0	7, 13	75.0	24th	3.9	2.7	3.3	3.70	3.43	3.57	77	81	79		
August	310	55.8	51.2	53.5	46.1	63.5	38.0	10, 29	70.0	1st	3.5	2.2	2.8	3.50	3.20	3.35	78	85	82		
September	602	53.0	49.2	51.1	45.5	60.3	33.0	14, 15	67.0	24th	2.1	1.3	1.7	3.45	3.18	3.32	85	91	88		
October	082	46.8	45.1	46.0	41.5	53.4	31.0	10th	66.0	2nd	1.3	0.9	1.1	2.89	2.79	2.84	91	93	92		
November	547	40.5	40.1	40.3	35.0	48.2	25.0	29th	57.0	12th	2.1	1.8	2.0	2.10	2.12	2.11	83	85	84		
December	29.326	35.8	35.5	35.6	31.2	40.4	19.0	29th	51.0	22, 23	0.9	1.0	0.9	1.95	1.89	1.92	93	91	92		
Year	29.416	46.4	44.0	45.2	39.1	53.4	—	—	—	—	2.7	1.9	2.3	2.63	2.51	2.57	81.3	85.7	83.5		
14 Years, 1886-1899.	29.517	46.8	44.9	45.9	38.5	54.4	2.0†	Jan. '94	90.0†	June '93	3.0	2.4	2.7	2.52	2.45	2.49	80	83	81		

\* The extremes of temperature are for 20 years, 1881-1900.

† The extremes of temperature are for 25 years, 1876-1900.

LAUDALE, *a.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs.	%				ins.	ins.																		
February	—	—	7.0	7.5	7.3	12.78	1.72	21st	20	7	2	3	3	17	10	1	2	3	13	12	3	20	2	6	
March	—	—	9.6	8.6	9.1	13.31	1.66	28th	28	11	9	1	0	23	5	3	0	0	3	10	10	21	5	4	
April	—	—	7.9	7.6	7.8	15.27	1.60	8th	30	15	10	3	1	13	3	4	0	0	3	11	5	19	18	2	
May	—	—	7.1	6.7	6.9	2.70	1.00	3rd	20	9	2	0	2	9	0	18	3	7	3	4	1	9	7	8	
June	—	—	7.0	6.2	6.6	4.05	.72	22nd	14	0	1	0	3	11	0	5	2	14	6	8	6	1	4	16	
July	—	—	5.5	6.0	5.8	2.75	.82	30th	10	0	0	1	3	7	1	10	2	12	4	11	3	3	3	12	
August	—	—	6.9	6.7	6.8	5.84	1.20	5th	24	0	0	1	3	10	3	9	0	0	4	11	3	13	8	14	
September	—	—	7.9	8.5	8.2	13.17	1.50	26th	31	0	3	1	0	15	0	1	0	0	1	7	3	36	10	4	
October	—	—	6.1	5.8	6.0	7.33	1.30	1st	18	1	2	0	6	9	2	3	1	8	8	17	1	11	7	4	
November	—	—	8.5	9.0	8.8	16.45	1.70	4th	30	0	6	3	0	19	0	2	2	0	4	23	9	9	11	2	
December	—	—	8.1	7.9	8.0	9.56	2.06	23rd	24	8	4	0	2	18	3	12	4	0	2	8	4	7	18	5	
Year	—	—	6.6	6.8	6.7	9.01	1.95	2nd	19	8	0	0	6	15	1	2	0	1	17	20	2	4	3	13	
35 Years, 1866-1900.	—	—	7.4	7.3	7.4	112.22	—	—	268	59	39	13	29	166	28	70	16	45	68	142	50	153	96	90	
	—	—	—	—	—	75.32	—	—	242.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



## POLTALLOCH, c.

Long. 5° 30' W. Lat. 56° 8' N. Height above Mean Sea Level, 132 feet. Gravity Correction, +0.029 in.

1903.	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.			Vapour Pressure.			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. 29.598	37.9	37.9	37.9	33.3	43.2	20.0	12th	52.0	26, 27	1.9	1.9	1.9	in. 1.91	in. 1.91	1.91	84	84	84
February	623	43.4	42.4	42.9	38.2	49.6	32.0	28th	55.0	20th	2.2	2.2	2.2	2.34	2.25	2.30	83	83	83
March	362	40.9	41.0	41.0	36.6	47.5	30.0	14, 15	54.0	22nd	2.1	2.5	2.3	2.13	2.06	2.10	84	81	82
April	708	44.0	40.2	42.1	35.8	50.5	27.0	22nd	60.0	30th	3.4	2.0	2.7	2.16	2.09	2.12	75	85	80
May	730	51.3	47.2	49.3	42.6	58.8	30.0	11th	78.0	27th	3.5	2.2	2.9	2.91	2.78	2.85	77	86	82
June	943	57.4	53.1	55.2	46.9	64.9	37.0	20, 21	76.0	11th	4.8	2.8	3.8	3.37	3.32	3.33	71	81	76
July	710	56.7	54.1	55.4	48.9	64.0	40.0	14th	70.0	3, 26	2.6	2.0	2.3	3.84	3.62	3.73	84	86	85
August	540	55.2	52.5	53.9	48.4	62.7	42.0	12th	69.0	25th	2.4	1.8	2.1	3.68	3.48	3.58	85	89	87
September	796	54.5	50.9	52.7	46.7	61.5	33.0	14th	67.0	22nd	2.7	1.8	2.3	3.50	3.27	3.38	82	88	85
October	283	47.7	46.5	47.1	43.5	54.0	32.0	10th	61.0	1, 3	1.4	1.6	1.5	2.97	2.79	2.88	90	88	89
November	800	43.4	42.6	43.0	38.8	49.5	22.0	30th	56.0	1st	2.0	1.8	1.9	2.38	2.35	2.36	84	87	85
December	29.502	37.8	37.8	37.8	33.9	42.9	22.0	1, 2	52.0	22nd	0.6	0.7	0.7	2.14	2.12	2.13	95	94	94
Year	29.633	47.5	45.5	46.5	41.1	54.1	—	—	—	—	2.5	1.9	2.2	2.78	2.67	2.72	82.8	86.0	84.4
15 Years, 1886-1900.	29.736	47.7	45.8	46.8	41.3	53.7	9.4*	Feb. '95	85*	Aug. '76	2.6	1.9	2.3	2.69	2.66	2.67	82	86	84

## GLASGOW, a.

Long. 4° 18' W. Lat. 55° 53' N. Height above Mean Sea Level, 180 feet. Gravity Correction, +0.029 in.

1903.	ins.	Air Temperature.								Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	29.568	36.8	37.5	37.2	34.0	40.6	17.9	13th	51.8	26th	1.4	1.8	1.6	in. 1.95	in. 1.91	1.93	85.9	82.6	84.3
February	601	43.4	43.2	43.3	39.3	47.8	33.3	1, 23	53.3	19th	2.0	2.0	2.0	2.43	2.41	2.42	85.0	84.8	84.9
March	341	41.1	41.2	41.2	37.4	46.3	32.1	2nd	53.7	25th	1.8	2.1	2.0	2.23	2.18	2.21	85.7	83.6	84.7
April	647	42.6	41.5	42.1	36.1	48.7	27.6	15th	56.0	25th	3.6	2.7	3.2	2.05	2.11	2.08	73.8	78.9	76.4
May	675	49.6	48.7	49.2	43.4	56.3	33.9	11th	73.1	26th	4.0	3.2	3.6	2.66	2.61	2.69	75.3	79.3	77.3
June	889	55.0	53.6	54.3	48.4	61.9	40.1	20th	75.1	6th	4.8	3.6	4.2	3.12	3.22	3.17	71.2	77.1	74.2
July	655	56.8	55.4	56.1	50.9	62.8	43.6	7th	71.3	2nd	3.8	2.5	3.2	3.58	3.71	3.65	77.3	84.2	80.8
August	493	55.1	53.8	54.5	49.9	60.9	43.3	25th	63.3	8th	3.2	2.2	2.7	3.47	3.57	3.52	80.1	85.8	83.0
September	753	52.8	51.8	52.3	47.6	58.9	36.0	15th	64.1	23, 24	2.5	2.2	2.4	3.38	3.32	3.35	83.6	85.3	84.5
October	241	47.9	47.5	47.7	44.2	52.2	35.5	10th	61.1	1st	1.8	1.9	1.9	2.92	2.86	2.89	87.3	86.6	87.0
November	740	42.8	42.5	42.7	39.2	46.9	26.6	30th	53.3	12th	2.1	1.9	2.0	2.36	2.37	2.37	84.0	85.2	84.6
December	29.478	37.4	37.9	37.7	34.5	41.2	25.4	30th	52.3	22nd	1.2	1.3	1.3	2.03	2.03	2.03	88.7	88.4	88.6
Year	29.590	46.8	46.2	46.5	42.1	52.0	—	—	—	—	2.7	2.3	2.5	2.68	2.70	2.69	81.5	83.5	82.5
30 Years, 1871-1900.	—	—	—	—	41.5	52.5	6.6	Feb. '95	85	June '78	—	—	—	—	—	—	—	—	—

## ROTHESAY, c, d.

Long. 5° 4' W. Lat. 55° 50' N. Height above Mean Sea Level, 115 feet. Gravity Correction, +0.029 in.

1903.	ins.	Air Temperature.								Humidity.									
		9 a.m. 9 p.m. Mean.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	29.636	37.3	37.4	37.4	34.2	42.3	22.6	12th	53.8	26th	1.7	1.8	1.8	in. 1.90	in. 1.89	1.90	86	85	86
February	673	43.4	42.8	43.1	38.5	48.6	31.5	28th	55.5	19th	2.0	2.2	2.1	2.38	2.29	2.34	84	83	83
March	416	41.0	40.1	40.6	36.9	47.3	31.5	14th	54.0	31st	1.8	1.8	1.8	2.19	2.12	2.15	86	85	86
April	736	43.7	40.6	42.2	35.6	51.1	26.0	15th	59.0	30th	3.2	2.2	2.7	2.18	2.09	2.14	76	83	80
May	754	50.8	47.5	49.1	42.9	58.2	31.5	11th	74.5	26th	3.7	2.7	3.2	2.80	2.66	2.73	76	82	79
June	966	55.8	52.7	54.2	47.3	64.2	38.5	14th	74.0	7th	4.0	2.8	3.4	3.38	3.25	3.31	76	81	78
July	729	56.3	53.7	55.0	48.7	63.0	40.2	14th	71.5	9th	3.4	2.4	2.9	3.59	3.46	3.52	78	84	81
August	580	52.3	55.3	53.8	48.3	62.5	43.0	12, 25	66.2	23rd	3.2	2.4	2.8	3.10	3.69	3.40	79	84	82
September	821	54.0	50.4	52.2	46.6	60.6	35.0	14th	65.0	21st	2.6	1.7	2.2	3.44	3.23	3.34	82	89	85
October	314	48.5	47.0	47.7	43.5	53.5	34.8	10th	62.3	1st	1.8	1.7	1.7	2.97	2.82	2.90	87	88	88
November	824	43.5	41.5	42.5	38.1	48.2	26.0	30th	54.5	12, 23	1.5	1.3	1.4	2.49	2.34	2.41	88	90	89
December	29.541	38.3	38.4	38.4	34.6	42.3	25.0	2nd	51.0	22nd	1.6	1.5	1.5	2.00	2.02	2.01	87	88	87
Year	29.666	47.1	45.6	46.4	41.3	53.5	—	—	—	—	2.5	2.0	2.3	2.70	2.65	2.68	82.1	85.2	83.7
15 Years, 1886-1900.	29.769	47.8	45.7	46.7	41.2	54.2	10.8†	Feb. '92	84.7†	June '87	2.4	1.8	2.1	2.74	2.67	2.70	83	87	85

\* The extremes of temperature are for 30 years, 1871-1900.

† The extremes of temperature are for 25 years, 1876-1900.

## POLTALLOCH, c.

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs.	%	7.4	7.5	7.4	ins.	ins.	9th	18	2	1	1	3	13	3	3	6	1	5	4	15	12	2	14	
February	—	—	9.3	9.1	9.2	5.51	.81	7th	17	3	2	2	0	22	4	3	1	0	0	8	25	4	6	9	
March	—	—	8.0	7.7	7.9	4.21	.71	16th	25	5	0	2	1	14	3	3	0	0	8	14	16	4	7	10	
April	—	—	6.4	6.0	6.2	1.67	.56	3rd	12	6	0	0	4	9	0	10	5	5	5	1	6	2	2	24	
May	—	—	6.8	6.6	6.7	2.39	.43	14th	12	0	0	0	3	13	0	2	1	14	5	5	9	4	4	18	
June	—	—	5.3	6.2	5.8	1.13	.45	30th	8	0	0	0	6	9	0	2	8	7	2	10	5	4	3	19	
July	—	—	7.8	6.9	7.4	3.78	.61	5th	19	0	0	0	2	16	0	2	3	1	4	7	18	5	3	19	
August	—	—	8.3	8.8	8.6	8.63	.79	30th	29	0	0	0	0	20	0	5	1	0	6	4	12	12	5	17	
September	—	—	6.8	5.9	6.4	3.10	.56	8th	16	0	1	0	5	13	0	5	2	1	12	6	14	1	1	18	
October	—	—	8.4	8.1	8.3	9.25	.90	25th	25	0	0	0	0	19	0	2	1	2	8	8	19	6	1	15	
November	—	—	7.8	7.0	7.4	5.10	.95	8th	21	1	3	0	0	17	0	4	2	2	3	3	12	4	7	23	
December	—	—	8.3	7.1	7.7	3.88	.82	6th	12	3	1	0	3	19	3	0	2	3	13	8	4	8	1	23	
Year	—	—	7.6	7.2	7.4	53.96	—	—	214	20	8	5	27	184	13	41	32	36	71	78	155	66	42	209	
15 Years, } 1886-1900. }	—	—	—	—	—	49.18	—	—	208	19	15	9	—	—	—	—	—	—	—	—	—	—	—	—	



MARCHMONT, *a.*

Long. 2° 25' W. Lat. 55° 44' N. Height above Mean Sea Level, 498 feet. Gravity Correction, +0.28 in.

1903.	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.			Vapour Pressure.			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. 29.240	36.1	36.5	36.3	31.7	41.4	20.0	14th	51.0	30th	1.1	1.4	1.3	in. 1.192	in. 1.189	in. 1.191	% 90	% 88	% 89			
February	29.271	41.2	42.2	41.7	37.0	46.8	30.0	2, 28	54.0	9th	1.7	2.2	2.0	2.23	2.23	2.23	87	84	86			
March	29.034	41.0	40.5	40.7	34.2	47.0	30.0	2, 15	54.0	25th	2.2	1.9	2.0	2.11	2.13	2.12	83	85	84			
April	29.285	42.4	39.6	41.0	33.7	47.7	25.0	17th	57.0	10th	3.1	1.7	2.4	2.08	2.10	2.09	77	86	82			
May	29.329	48.7	46.7	47.7	40.4	53.9	33.0	13th	72.0	31st	3.4	2.3	2.9	2.64	2.66	2.65	77	84	81			
June	29.565	53.6	50.5	52.1	45.5	60.3	37.0	21st	74.0	4th	3.6	2.3	3.0	3.15	3.09	3.12	76	84	80			
July	29.309	57.5	54.4	55.9	47.7	63.2	39.0	8th	75.0	9th	3.2	2.2	2.7	3.80	3.62	3.71	80	85	82			
August	29.157	56.4	53.7	55.0	46.7	61.6	40.0	11th	66.0	6th	3.7	2.5	3.1	3.53	3.43	3.48	77	83	80			
September	29.440	53.7	51.1	52.4	44.7	59.3	34.0	16th	66.0	23rd	2.5	1.9	2.2	3.43	3.27	3.35	83	86	84			
October	29.936	46.9	47.4	47.1	40.9	52.0	33.0	24th	61.0	1st	1.3	1.8	1.5	2.90	2.84	2.87	91	87	89			
November	29.384	40.2	41.2	40.7	34.9	46.9	23.0	30th	54.0	12th	1.7	2.2	2.0	2.15	2.13	2.14	87	83	85			
December	29.161	35.4	36.5	35.9	32.0	40.0	22.0	2nd	51.0	22nd	1.5	1.2	1.3	1.79	1.93	1.86	87	90	88			
Year	29.259	46.1	45.0	45.5	39.1	51.7	—	—	—	—	2.4	2.0	2.2	2.64	2.61	2.63	82.9	85.4	84.2			
15 Years, 1886-1900.	29.351	45.9	44.1	45.0	39.0	52.4	1.0*	Dec. '79	89.0*	July '73	2.5	1.6	2.0	2.54	2.54	2.54	83	87	85			

WOLFELEE, *c, d.*

Long. 2° 39' W. Lat. 55° 23' N. Height above Mean Sea Level, 587 feet. Gravity Correction, +0.25 in.

1903.	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.			Vapour Pressure.			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	34.8	34.4	34.6	29.6	39.9	10.0	14th	49.0	25, 26	1.6	1.6	1.6	in. 1.170	in. 1.167	in. 1.168	% 84	% 84	% 84			
February	29.230	40.9	41.0	40.9	36.0	46.5	25.0	13th	52.0	8, 9	1.7	1.5	1.6	2.20	2.25	2.24	87	88	88			
March	28.985	40.7	38.7	39.7	34.3	46.7	27.0	14th	53.0	31st	1.8	1.8	1.8	2.17	2.00	2.09	86	86	86			
April	29.249	41.7	38.5	40.1	31.1	49.5	18.0	15th	59.0	30th	2.9	2.1	2.5	2.06	1.92	1.99	79	83	81			
May	29.277	49.3	45.6	47.5	38.5	57.8	31.0	12th	78.0	31st	3.6	2.4	3.0	2.67	2.52	2.60	75	82	78			
June	29.499	53.9	50.4	52.2	44.2	62.2	29.0	20th	76.0	4th	3.5	2.7	3.1	3.21	2.98	3.10	77	82	80			
July	29.270	57.1	53.6	55.3	45.8	64.3	33.0	8th	75.7	9th	4.2	2.0	3.1	3.48	3.55	3.52	75	86	81			
August	29.132	55.3	50.6	53.0	44.2	63.4	37.0	30th	67.0	4, 23	3.6	1.6	2.6	3.40	3.27	3.34	77	89	83			
September	29.345	52.8	49.4	51.1	42.9	60.5	28.0	15, 16	69.0	23rd	2.4	1.4	1.9	3.35	3.17	3.26	84	90	87			
October	28.868	46.5	45.0	45.8	38.9	52.6	26.0	10th	62.0	1st	1.9	0.9	1.4	2.72	2.77	2.75	86	93	90			
November	29.350	39.6	37.9	38.8	33.5	45.5	13.0	30th	53.0	12th	1.6	1.4	1.5	2.11	2.01	2.06	87	89	88			
December	29.110	34.7	35.1	34.9	30.2	39.2	14.0	2nd	50.0	22nd	0.9	0.9	0.9	1.84	1.87	1.86	92	91	91			
Year	29.209	45.6	43.4	44.5	37.4	52.3	—	—	—	—	2.5	1.7	2.1	2.58	2.50	2.54	82.4	86.9	84.7			
14 Years, 1886-1899.	29.242	45.3	43.1	44.2	37.2	53.2	5.0†	Dec. '79	90.0†	Aug. '76	2.1	2.3	2.2	2.53	2.29	2.41	84	82	83			

## COCKLE PARK (NEAR MORPETH) -

Long. 1° 41' W. Lat. 55° 13' N. Height above Mean Sea Level, 324 feet. Gravity Correction, +0.26 in.

1903.	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.			Vapour Pressure.			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. 29.453	37.7	36.9	37.3	32.1	41.2	21.0	13, 14	53.0	26th	1.1	0.9	1.0	in. 2.06	in. 2.04	in. 2.05	% 88.5	% 90.6	% 89.6			
February	29.491	42.7	42.5	42.6	36.6	48.8	28.0	28th	55.0	8, 19	1.4	1.2	1.3	2.47	2.51	2.49	88.9	90.4	89.7			
March	29.257	43.1	40.4	41.8	35.2	48.8	28.0	7th	58.0	22, 25	2.2	1.5	1.9	2.35	2.22	2.29	83.7	87.5	85.6			
April	29.469	43.6	38.2	40.9	33.1	48.0	26.0	13, 15	60.0	10th	3.2	1.3	2.3	2.23	2.08	2.16	77.2	88.1	82.7			
May	29.532	50.0	45.0	47.5	39.8	54.2	32.0	12th	74.0	22nd	3.3	1.6	2.5	2.87	2.66	2.77	79.7	88.6	84.2			
June	29.739	54.6	49.0	51.8	44.2	59.5	34.0	21st	71.0	4th	3.9	1.8	2.9	3.29	3.08	3.19	76.1	87.3	81.7			
July	29.503	58.0	53.3	55.7	48.4	62.9	39.0	8th	77.0	9th	3.8	1.5	2.7	3.75	3.68	3.72	77.6	89.8	83.7			
August	29.366	55.6	52.2	54.4	46.9	62.7	39.0	23rd	68.0	1st	3.4	1.6	2.5	3.66	3.49	3.58	79.5	89.1	84.3			
September	29.637	54.2	49.0	51.6	44.5	59.4	36.0	15th	69.0	1st	2.7	1.1	1.9	3.51	3.24	3.38	82.7	92.1	87.4			
October	29.131	48.4	46.4	47.4	40.9	52.9	33.0	24th	60.0	3rd	1.7	1.3	1.5	3.00	2.88	2.94	87.8	90.6	89.2			
November	29.583	41.7	40.5	41.1	35.2	47.4	24.0	30th	57.0	6th	1.5	1.3	1.4	2.37	2.30	2.34	88.1	88.9	88.5			
December	29.364	36.9	36.8	36.9	31.8	40.2	21.0	2nd	49.0	22, 23	1.2	1.1	1.2	1.98	1.97	1.98	88.0	88.7	88.4			
Year	29.461	47.3	44.2	45.8	39.1	52.2	—	—	—	—	2.5	1.4	2.0	2.80	2.68	2.74	83.2	89.3	86.3			
— Years, 18—19—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\* The extremes of temperature are for 30 years, 1871-1900.

† The extremes of temperature are for 25 years, 1876-1900.

MARCHMONT, *a.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs. 36·8	% 16	6·6	6·1	6·4	ins. 3·55	ins. 1·02	9th	15	2	0	0	4	14	13	6	2	2	10	6	14	16	6	0	
February	34·8	13	7·4	5·5	6·5	3·71	1·26	8th	18	—	—	0	1	8	9	0	2	5	1	4	15	27	2	0	
March	92·5	25	5·8	5·6	5·7	2·53	·44	19th	20	0	2	2	8	11	4	1	0	4	2	2	25	26	2	0	
April	144·8	34	5·4	4·8	5·1	1·30	·31	29th	13	10	2	1	4	8	4	6	11	13	0	3	6	13	8	0	
May	140·8	28	6·8	4·6	5·7	1·67	·29	3rd	14	0	0	0	7	11	0	1	15	27	1	6	11	1	0	0	
June	157·3	30	6·6	6·6	6·6	1·90	·33	13th	14	0	0	2	4	13	0	14	13	12	2	5	3	11	0	0	
July	148·8	29	7·0	6·4	6·7	4·90	·80	26th	13	0	0	4	3	12	0	11	0	16	1	8	4	20	2	0	
August	180·3	39	6·3	5·1	5·7	4·36	1·36	1st	21	0	0	4	6	9	1	1	1	7	4	8	13	26	2	0	
September	128·8	34	6·9	6·0	6·4	2·84	1·19	2nd	17	0	2	2	4	15	0	5	5	27	4	3	6	9	1	0	
October	59·5	19	6·7	6·2	6·5	7·82	1·51	6th	27	0	0	2	1	12	0	8	4	7	2	7	6	24	4	0	
November	58·8	24	5·3	5·4	5·3	1·77	·47	28th	16	1	0	1	8	9	1	7	4	11	1	4	6	22	5	0	
December	14·8	7	7·1	6·9	7·0	2·14	·43	2nd	19	1	0	0	5	16	0	9	1	17	6	5	12	7	5	0	
Year	1198·0	27	6·5	5·8	6·1	38·49	—	—	207	—	—	18	55	138	32	69	58	148	34	61	121	202	37	0	
15 Years, 1886-1900.	1328·3*	30*	6·8	6·2	6·5	33·05	—	—	197	31	6	13	—	—	—	—	—	—	—	—	—	—	—	—	



CARGEN, *c. d.*

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

1903.	Mean Pressure at 32° Fah.	Air Temperature.										Humidity.									
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.				
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.		
January	ins. 29.701	36.9	37.9	37.4	33.3	42.1	18.0	14th	51.0	26th	1.2	1.5	1.4	in.	in.	in.	%	%	%		
February	.771	43.5	43.9	43.7	39.6	48.4	29.0	28th	53.0	3. 9	1.5	1.9	1.7	.249	.245	.247	88	85	86		
March	.499	42.8	42.7	42.8	37.9	48.0	32.0	4. 10	55.0	31st	1.7	1.8	1.8	.238	.236	.237	87	86	87		
April	.764	44.0	42.4	43.2	33.3	51.1	24.0	18th	58.0	8th	3.1	2.1	2.6	.222	.227	.224	76	84	80		
May	.780	51.0	51.5	51.2	42.6	59.6	33.0	11th	74.0	26th	2.6	2.7	2.6	.309	.312	.310	82	82	82		
June	.991	55.9	55.1	55.5	45.8	63.4	35.0	12th	74.0	4th	3.8	2.6	3.2	.344	.361	.353	77	83	80		
July	.773	58.6	57.2	57.9	49.4	65.1	40.0	7. 20	76.0	2nd	3.1	2.4	2.8	.399	.397	.398	81	85	83		
August	.634	57.2	56.1	56.6	48.2	64.0	39.0	22nd	70.0	1st	2.6	2.8	2.7	.392	.372	.382	84	82	83		
September	.874	54.5	54.0	54.2	45.4	61.7	30.0	15th	67.0	18, 23	1.9	1.6	1.7	.371	.371	.371	87	89	88		
October	.372	48.1	48.8	48.4	43.2	54.2	28.0	10th	62.0	1st	1.5	1.4	1.4	.298	.310	.304	89	90	89		
November	.875	41.2	42.2	41.7	36.5	47.3	22.0	30th	56.0	4th	1.0	1.2	1.1	.237	.243	.240	93	90	92		
December	29.597	36.9	37.2	37.0	32.7	41.5	21.0	2. 30	52.0	22nd	1.0	0.8	0.9	.200	.206	.203	92	93	92		
Year	29.719	47.6	47.4	47.5	40.7	53.9	—	—	—	—	2.1	1.9	2.0	.288	.290	.289	85.5	86.4	86.0		
15 Years, 1886-1900.	29.815	47.7	46.9	47.3	40.2	54.4	—2.0*	Feb. '95	90.0*	Aug. '76	2.3	1.8	2.0	.276	.278	.277	84	88	86		

CALLY, *a.*

Long. 4° 11' W. Lat. 54° 53' N. Height above Mean Sea Level, 120 feet. Gravity Correction, +.027 in.

Height above Mean Sea Level, 120 feet. Gravity Correction, +.027 in.																				
	ins.																			
January	29.671	37°3	37°5	37°4	33°9	41°9	20.0	14th	50°4	26th	1°2	1°2	1°2	in. '199	in. '201	in. '200	% 90	% 90	% 90	
February	.749	43°2	43°4	43°3	39°0	48°4	26.2	28th	53°2	9th	1°6	1°5	1°6	2°45	2°49	2°47	88	88	88	
March	.449	43°0	41°4	42°2	37°3	49°1	30.6	10th	54°2	10th	1°6	1°7	1°7	2°42	2°26	2°34	87	88	88	
April	.722	46°3	39°2	42°7	34°7	50°9	25°8	17th	58°2	10th	2°3	2°1	2°2	2°61	1°99	2°30	84	83	83	
May	.741	52°5	47°9	50°2	42°8	60°7	31°6	19th	73°6	27, 31	2°5	2°3	2°4	3°28	2°78	3°03	83	84	84	
June	.959	57°8	51°5	54°6	44°3	65°5	35°0	21st	76°0	4th	2°9	2°6	2°8	3°94	3°15	3°55	82	82	82	
July	.737	59°9	53°9	56°9	49°2	65°3	39°8	12th	72°2	9th	3°5	2°5	3°0	4°08	3°46	3°77	79	84	82	
August	.598	58°3	52°9	55°6	46°9	64°0	39°0	22nd	69°0	25th	2°1	2°3	2°2	4°23	3°39	3°81	86	85	86	
September	.822	55°1	50°9	53°0	45°0	61°4	31°0	15th	67°8	24th	1°9	1°9	1°9	3°80	3°24	3°52	87	87	87	
October	.334	49°8	48°5	49°1	43°0	55°7	30°0	10th	61°4	1st	1°6	1°6	1°6	3°17	3°02	3°10	88	88	88	
November	.842	43°5	42°2	42°8	36°9	48°4	23°6	30th	56°4	12th	1°4	1°4	1°4	2°51	2°39	2°45	89	90	89	
December	29.560	37°8	37°4	37°6	33°5	42°5	20.0	2nd	50°0	22nd	1°3	1°4	1°4	2°02	1°96	1°99	90	88	89	
Year	29.682	48°7	45°6	47°1	40°5	54°5	—	—	—	—	2°0	1°9	2°0	3°04	2°68	2°86	86.1	86.4	86.3	
15 Years, 1886-1900.	29.750	47°7	45°4	46°6	40°8	54°0	—	—	—	—	1°9	1°5	1°7	2°85	2°69	2°77	87	89	88	

SEAHAM, *a.*

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

Height above Mean Sea Level, 139 feet. Gravity Correction, +.027 in.																			
	ins.																		
January	29.680	39.5	39.5	39.5	34.9	43.7	22.4	13th	55.1	26th	1.6	1.5	1.6	in.	in.	in.	%	%	%
February	.730	45.1	44.3	44.7	38.3	50.3	32.0	28th	57.0	8.9	2.4	2.2	2.3	.253	.248	.251	87	88	88
March	.491	45.3	43.1	44.2	38.4	51.0	31.5	8th	61.9	22nd	2.9	2.1	2.5	.243	.237	.240	82	83	83
April	.677	44.3	40.4	42.4	35.1	48.6	27.9	18th	58.8	10th	3.0	1.4	2.2	.230	.227	.229	79	83	81
May	.734	50.9	46.8	48.9	42.8	53.6	32.5	12th	76.0	22nd	3.1	1.3	2.2	.299	.291	.295	77	89	83
June	.928	55.5	51.4	53.5	46.8	58.8	38.2	21st	72.9	28th	3.7	1.7	2.7	.347	.341	.344	80	91	86
July	.706	59.0	55.7	57.4	51.0	64.0	41.8	8th	80.1	10th	3.7	1.8	2.8	.391	.397	.394	77	89	83
August	.578	59.1	54.6	56.9	49.8	64.0	42.6	23rd	71.8	4th	4.1	2.1	3.1	.382	.370	.376	78	88	83
September	.844	55.9	52.1	54.0	48.1	60.1	37.1	16th	68.8	1st	2.9	1.4	2.2	.366	.357	.362	75	87	81
October	.348	50.5	49.3	49.9	44.2	54.5	36.6	24th	62.0	3rd	1.9	1.5	1.7	.323	.318	.321	82	90	86
November	.792	43.2	42.4	42.8	38.0	48.7	26.7	30th	56.0	12th	1.8	1.6	1.7	.246	.242	.244	87	90	89
December	29.573	38.9	38.9	38.9	34.4	42.2	24.8	30th	50.1	22nd	1.2	1.2	1.2	.215	.216	.216	86	88	87
Year	29.673	48.9	46.5	47.7	41.8	53.3	—	—	—	—	2.7	1.7	2.2	.292	.288	.290	91	91	91
25 Years, 1876-1900.	—	—	—	—	41.3	53.1	6.0	Feb. '95	91.2	July '76	—	—	—	—	—	—	—	—	—

\* The extremes of temperature are for 30 years, 1871-1900.

CARGEN, *c. d.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs.	%	6.4	5.2	5.8	ins. 6.24	ins. 1.32	9th	17	1	0	0	4	10	1	12	3	12	3	0	10	17	5	0	
February	—	—	7.2	7.5	7.4	5.70	1.18	24th	18	2	0	0	0	11	1	2	2	1	1	6	9	19	16	0	
March	—	—	6.4	6.0	6.2	10.15	1.22	19th	28	1	0	0	1	6	3	2	2	2	2	2	18	28	6	0	
April	—	—	5.4	5.3	5.4	1.53	.83	29th	9	2	1	1	0	3	1	10	9	7	8	2	1	10	13	0	
May	—	—	6.6	6.1	6.4	3.81	.74	4th	17	0	0	0	0	6	0	0	3	32	2	21	4	0	0	0	
June	—	—	6.2	6.0	6.1	1.84	.43	27th	9	0	0	0	0	5	0	3	10	24	7	7	7	0	2	0	
July	—	—	6.5	6.7	6.6	5.01	1.74	14th	14	0	0	2	0	6	0	2	0	7	8	16	12	8	9	0	
August	—	—	6.6	6.3	6.5	5.02	.83	26th	14	0	0	3	0	5	1	1	0	2	1	10	14	23	11	0	
September	—	—	6.4	6.6	6.5	3.80	.93	2nd	15	0	0	0	1	5	0	3	6	7	6	22	5	5	6	0	
October	—	—	7.3	6.5	6.9	10.40	1.36	27th	29	0	1	2	0	10	0	1	0	9	9	18	9	12	4	0	
November	—	—	6.6	5.8	6.2	3.62	.61	8th	17	0	0	0	0	5	0	11	2	1	0	7	6	19	14	0	
December	—	—	8.1	7.0	7.6	3.74	.46	9th	17	0	0	0	0	13	2	7	4	9	14	8	4	9	7	0	
Year	—	—	6.6	6.3	6.5	60.86	—	—	204	6	2	8	6	85	9	54	41	113	61	119	99	150	93	0	
15 Years, } 1886-1900.	—	—	5.5	5.1	5.3	42.89	—	—	163	10	3	12	—	—	—	—	—	—	—	—	—	—	—	—	



DURHAM, *a, b.*

Long.  $1^{\circ} 35' W.$  Lat.  $54^{\circ} 46' N.$  Height above Mean Sea Level, 336 feet. Gravity Correction,  $+0.25$  in.

1903.	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.			Vapour Pressure.			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.	37°4	37°4	37°4	31°6	41°5	13°5	13, 14	53°0	26th	1°2	1°1	1°2	in.	in.	in.	%	%	%	
February	°494	42°7	43°3	43°0	37°2	48°2	28°3	13th	54°0	8, 9	2°4	2°5	2°5	°228	°231	°230	82°2	80°6	81°4	
March	°253	43°1	42°2	42°7	35°9	48°9	30°3	4th	57°8	25th	2°6	2°5	2°6	°228	°221	°225	81°3	81°0	81°2	
April	°446	43°1	39°6	41°4	33°0	48°6	24°6	23rd	59°1	10th	2°9	1°5	2°2	°224	°217	°221	79°3	87°1	83°2	
May	°501	50°1	46°8	48°5	41°2	55°0	29°3	12th	72°5	22nd	3°1	2°2	2°7	°291	°273	°282	80°8	84°9	82°9	
June	°701	55°4	51°1	53°3	45°3	59°8	33°2	21st	72°0	4th	4°0	2°2	3°1	°340	°326	°333	77°0	85°5	81°3	
July	°482	58°6	55°5	57°1	50°1	64°3	38°7	8th	77°7	9th	3°7	2°3	3°0	°388	°379	°384	78°3	85°2	81°8	
August	°355	57°6	54°6	56°1	48°4	63°0	38°1	23rd	68°6	1st	3°6	2°7	3°2	°374	°355	°365	78°4	82°4	80°4	
September	°609	54°7	51°2	53°0	46°3	59°5	32°3	16th	66°3	26th	2°3	1°2	1°8	°367	°352	°360	84°7	91°7	88°2	
October	°115	49°0	48°3	48°7	42°9	53°2	35°0	24th	61°8	3rd	1°7	1°4	1°6	°309	°308	°309	88°5	90°3	89°4	
November	°567	41°1	40°7	40°9	36°0	47°1	24°0	19th	54°9	12th	1°6	1°5	1°6	°230	°228	°229	86°8	87°8	87°3	
December	29°340	36°3	36°6	36°5	32°5	40°0	21°5	6th	48°4	22nd	0°5	0°6	0°6	°207	°207	°207	95°4	94°3	94°9	
Year	29°442	47°4	45°6	46°5	40°0	52°4	—	—	—	—	2°5	1°8	2°2	°283	°275	°279	83°6	86°8	85°2	
15 Years, 1876-1890.	29°502	48°0	44°1	46°1	39°5	53°6	0°2	Jan. '81	92°5	July '76	2°6	1°3	2°0	°288	°271	°280	82°8	89°8	86°3	

ROUNTON, c.

Long.  $1^{\circ} 18' W.$  Lat.  $54^{\circ} 24' N.$  Height above Mean Sea Level, 249 feet. Gravity Correction,  $+0.025$  in.

[illegible]

AYSGARTH, *c.*

Long.  $1^{\circ} 58' W.$  Lat.  $54^{\circ} 18' N.$  Height above Mean Sea Level, 646 feet. Gravity Correction,  $+0.23$  in.

[illegible]

DURHAM, *a, b.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	Total.	Per Cent.	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	hrs. 42°3	% 18	7°6	7°6	7°6	ins. 2°287	ins. 434	5th	17	8	0	0	2	18	9	3	0	0	2	5	21	8	1	22
February	54°9	21	8°2	7°0	7°6	1°048	312	26th	10	3	0	0	0	16	14	2	0	0	0	3	22	18	5	6
March	103°8	29	7°4	5°9	6°7	1°203	198	17th	17	1	0	0	4	14	10	1	3	0	1	10	26	12	4	5
April	134°1	32	8°3	6°1	7°2	1°383	356	14th	17	8	0	1	1	15	4	7	7	2	0	2	5	7	10	20
May	143°0	29	8°5	8°1	8°3	2°694	498	5th	14	0	0	3	1	22	1	3	14	4	1	4	13	2	0	21
June	156°3	31	8°6	6°8	7°7	2°393	748	15th	12	0	0	1	1	18	0	10	14	0	1	1	8	2	0	24
July	142°3	28	8°6	7°0	7°8	4°827	778	14th	18	0	0	2	1	17	1	4	3	0	1	4	12	7	10	21
August	168°9	37	7°6	5°6	6°6	1°643	288	24th	16	0	0	4	1	11	2	1	2	0	1	3	15	13	8	19
September	120°1	32	6°9	5°5	6°2	2°338	653	2nd	17	0	0	2	6	13	1	4	5	1	2	6	16	3	5	18
October	69°8	22	7°6	7°2	7°4	7°949	2506	8th	28	0	0	0	3	18	3	0	4	1	2	7	24	6	2	16
November	72°6	30	6°1	5°6	5°9	2°046	949	30th	14	4	0	0	6	10	3	2	1	1	0	2	16	10	10	18
December	10°4	5	8°8	8°3	8°6	1°004	227	24th	13	4	0	0	1	21	1	0	2	5	4	9	13	3	1	25
Year	1218°5	28	7°9	6°7	7°3	30°815	—	—	193	28	0	13	27	193	49	37	55	14	15	56	191	91	56	215
15 Years, 1876-1890.	1306°5*	30*	7°5	6°5	7°0	29°201	2°248	Jul.'88	188°2	36°8	9°6	13°5	27°0	170°4	6°2	50°2	69°5	39°6	31°0	123°5	131°2	89°7	92°1	104°0

ROUNTON, c.

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

[illegible]

AYSGARTH, *c.*

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

[illegible]

\* The sunshine mean is for 20 years, 1881-1900.



SCARBOROUGH, *a.*

Long. 0° 24' W. Lat. 54° 18' N. Height above Mean Sea Level, 62 feet. Gravity Correction, +.025 in.

1903.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.											
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Min.		Day.		Max.		Day.		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.	ins.	ins.	ins.
January	29.733	39.7	40.3	40.0	35.5	44.5	25.0	13th	54.0	26th	1.2	1.2	1.2	223	228	226	89.4	89.2	89.3			
February	797	43.2	44.0	43.6	37.7	50.4	31.0	16th	57.0	8th	1.7	1.7	1.7	246	255	251	86.5	86.4	86.5			
March	556	42.7	43.4	43.1	37.1	51.2	32.0	1, 4	64.0	25th	1.8	1.7	1.8	237	245	241	85.8	86.5	86.2			
April	694	42.0	41.6	41.8	35.1	48.7	28.5	22nd	58.8	28th	2.2	1.5	1.9	225	233	229	82.6	87.4	85.0			
May	757	49.2	47.9	48.6	41.8	54.6	32.5	12th	75.5	22nd	2.4	1.9	2.2	293	290	292	83.8	86.8	85.3			
June	949	54.2	53.2	53.7	46.3	59.4	39.5	1, 21	74.0	28th	3.1	2.7	2.9	342	338	340	80.1	82.5	81.3			
July	738	58.1	57.0	57.6	50.2	65.2	42.0	8th	83.0	10th	3.1	2.6	2.9	396	393	395	81.6	83.8	82.7			
August	629	57.4	57.1	57.3	48.4	64.5	40.0	23rd	72.5	1st	3.5	3.0	3.3	372	380	376	78.9	81.3	80.1			
September	864	54.8	54.0	54.4	47.9	61.3	35.0	12th	72.0	1st	2.4	2.0	2.2	367	365	366	84.3	86.7	85.5			
October	397	49.3	49.1	49.2	43.7	55.5	32.5	10th	63.0	1, 3, 4	1.6	1.6	1.6	313	311	312	88.1	88.2	88.2			
November	827	42.3	42.9	42.6	37.3	49.4	27.5	7, 30	54.5	5th	1.6	1.6	1.6	239	244	242	86.4	87.0	86.7			
December	29.612	38.3	38.7	38.5	34.0	42.7	24.5	5, 6	48.2	22nd	1.6	1.3	1.5	201	209	205	86.0	88.4	87.2			
Year	29.713	47.6	47.4	47.5	41.3	54.0	—	—	—	—	2.2	1.9	2.1	288	291	290	84.5	86.2	85.4			
30 Years, 1871-1900.	—	—	—	—	42.5	52.9	8.1*	Feb. '95	90.5*	Aug. '93	—	—	—	—	—	—	—	—	—	—	—	—

CRONKBOURNE (DOUGLAS, ISLE OF MAN), *a.*

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

1903.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.											
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Min.		Day.		Max.		Day.		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.	ins.	ins.	ins.
January	29.669	40.5	40.8	40.7	36.9	44.4	23.2	13th	51.7	25th	1.3	1.4	1.4	229	231	230	89.2	88.2	88.7			
February	784	44.5	45.0	44.8	41.4	48.2	29.0	28th	54.7	8th	1.7	1.5	1.6	259	268	264	87.5	88.6	88.1			
March	481	44.6	43.4	44.0	39.6	47.9	30.0	10th	53.0	31st	1.3	0.9	1.1	267	263	265	90.3	92.8	91.6			
April	729	45.5	41.3	43.4	36.5	49.6	29.1	17th	55.8	10th	2.4	1.0	1.7	257	242	250	83.3	91.6	87.5			
May	719	51.3	48.5	49.9	44.1	56.8	33.0	19th	70.8	31st	2.1	1.1	1.6	329	319	324	86.9	92.5	89.7			
June	931	55.6	52.2	53.9	47.3	61.3	36.0	21st	70.2	5th	3.5	1.8	2.7	350	348	349	78.6	87.9	83.3			
July	744	58.5	54.4	56.5	50.6	62.5	44.1	21st	72.5	9th	2.5	0.9	1.7	415	401	408	84.6	94.0	89.3			
August	608	57.9	54.2	56.1	49.6	61.7	41.0	12, 22	66.7	1st	2.8	0.9	1.9	397	397	397	82.9	94.0	88.5			
September	813	55.8	52.8	54.3	48.5	59.3	33.4	15th	64.6	21st	2.0	0.7	1.4	392	388	390	87.5	95.2	91.4			
October	342	51.3	50.2	50.8	46.6	54.7	35.7	27th	60.2	1st	1.5	1.2	1.4	342	336	339	89.5	91.5	90.5			
November	851	46.1	44.1	45.1	39.7	50.1	27.2	30th	55.8	1st	2.0	1.5	1.8	272	262	267	85.4	88.6	87.0			
December	29.524	40.7	40.2	40.5	36.7	44.1	25.2	2nd	51.2	22nd	1.5	1.6	1.6	227	219	223	87.6	86.7	87.2			
Year	29.683	49.4	47.3	48.4	43.1	53.4	—	—	—	—	2.1	1.2	1.7	311	306	309	86.1	91.0	88.6			
30 Years, 1871-1900.	—	—	—	—	42.6	53.7	10.5†	Feb. '95	80.9†	June '87	—	—	—	—	—	—	—	—	—	—	—	—

YORK, *a.*

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

1903.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.											
		Means of			Absolute Min. and Max.						Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.					
		9 a.m.	9 p.m.	Mean.	Min.		Max.		Min.		Day.		Max.		Day.		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.	ins.	ins.	ins.
January	29.832	38.7	39.0	38.9	35.2	43.6	19.0	14th	55.0	26th	1.2	1.3	1.3	212	212	212	91	90	91			
February	915	43.6	44.5	44.1	40.0	50.1	32.0	1, 2	57.0	8, 19	1.7	1.7	1.7	247	255	251	87	87	87			
March	657	43.8	43.7	43.8	39.7	51.7	33.0	11th	65.0	25th	2.4	2.0	2.2	234	242	238	81	85	83			
April	793	44.4	42.2	43.3	36.7	50.5	28.0	23rd	60.0	10th	3.1	2.4	2.8	226	219	223	77	83	80			
May	29.837	52.0	48.9	50.5	43.7	58.9	32.0	12th	77.0	31st	3.2	2.1	2.7	305	296	301	79	86	83			
June	30.024	57.2	53.6	55.4	47.4	63.8	36.0	21st	77.0	27th	3.9	2.5	3.2	357	342	350	76	83	80			
July	29.827	60.6	57.7	59.2	52.2	67.4	41.0	8th	80.0	9, 10	3.9	2.3	3.1	408	409	409	78	85	82			
August	716	58.4	56.6	57.5	50.6	65.2	44.0	23, 24	70.0	8, 9	2.9	2.4	2.7	402	389	396	82	84	83			
September	950	55.4	52.8	54.1	47.7	62.7	35.0	13th	73.0	1st	2.2	1.0	1.6	377	372	375	86	93	90			
October	483	50.0	49.5	49.8	44.6	55.9	36.0	24th	65.0	1st	1.3	0.7	1.0	327	336	332	91	95	93			
November	934	42.3	42.3	42.3	38.0	48.7	27.0	7, 30	55.0	3, 24	1.2	1.2	1.2	244	244	244	91	91	91			
December	29.691	37.2	38.1	37.7	34.3	41.8	23.0	2nd	50.0	22nd	0.7	0.7	0.7	208	215	212	94	94	94			
Year	29.805	48.6	47.4	48.0	42.5	55.0	—	—	—	—	2.3	1.7	2.0	296	294	295	84.4	88.0	86.2			
30 Years, 1871-1900.	—	—	—	—	40.8	55.1	0.0	Dec. '79	89.0	July '73	—	—	—	—	—	—	—	—	—	—	—	—

\* The extremes of temperature are for 25 years, 1876-1900.

† The extremes of temperature are for 20 years, 1881-1900.

SCARBOROUGH, *a.*

Heights above Ground:—Barometer, 65 feet. Thermometers, 4 feet. Rain-gauge, 1 foot.

Heights above Ground:—Barometer, 65 1000

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs. 32.6	% 14	7.3	7.8	7.6	ins. 2.02	ins. .40	5th	25	1	2	0	0	13	6	1	1	1	9	17	26	6	1	0		
February	55.2	21	7.6	6.5	7.1	1.47	.58	21st	12	0	0	0	0	7	3	3	0	0	0	0	29	13	10	1		
March	98.1	27	7.7	5.8	6.8	1.74	.52	17th	16	0	0	0	0	5	5	2	1	0	0	8	37	7	5	2		
April	136.8	33	7.0	7.0	7.0	2.74	.40	16th	22	6	0	1	0	6	6	20	7	0	2	7	5	6	13	0		
May	144.5	29	7.8	7.3	7.6	2.09	.89	10th	10	0	0	2	1	15	0	9	16	6	9	2	11	4	2	3		
June	177.6	35	7.0	7.1	7.1	1.64	.76	13th	10	0	0	0	0	9	1	15	18	1	9	4	8	3	0	2		
July	142.3	28	7.7	7.6	7.7	3.08	.68	11th	20	0	0	0	0	11	1	12	8	1	9	3	7	10	12	0		
August	171.2	38	7.2	6.8	7.0	2.15	.48	24th	19	0	0	2	0	6	9	3	6	2	4	5	19	14	9	0		
September	146.1	39	6.6	6.4	6.5	3.03	.88	10th	23	0	0	2	1	8	7	7	3	2	10	8	14	8	7	1		
October	73.3	23	7.1	7.2	7.2	6.28	1.80	8th	28	0	1	0	0	12	8	4	3	1	3	8	32	5	6	0		
November	57.5	23	7.3	6.9	7.1	2.25	.43	10th	23	4	0	0	0	12	5	5	1	1	0	0	23	10	18	2		
December	15.4	7	8.1	8.3	8.2	1.26	.16	1, 7	18	1	0	0	0	16	9	4	2	5	12	12	23	1	2	1		
Year	1250.6	28	7.4	7.1	7.3	29.75	—	—	226	12	3	7	2	120	60	85	66	20	67	74	234	87	85	12		
35 Years, 1866-1900.	—	—	—	—	—	27.95	—	—	187†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		



STONYHURST, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.492	37.7	38.1	37.9	34.7	41.6	22.5	14th	50.9	26th	1.4	1.4	1.4	202	204	203	85.5	85.4	85.5		
February	595	42.0	42.9	42.5	39.0	47.0	30.3	2nd	53.4	21st	1.4	1.5	1.5	241	247	244	88.8	88.3	88.6		
March	317	43.0	42.2	42.6	38.5	48.2	32.7	2nd	58.9	22nd	2.0	2.1	2.1	239	228	234	85.5	84.1	84.8		
April	488	43.1	41.4	42.3	36.1	48.0	28.5	18th	54.6	28th	3.8	2.8	3.3	207	208	208	73.0	77.7	75.4		
May	503	52.1	49.5	50.8	44.3	57.6	32.8	12th	76.1	31st	4.4	3.5	4.0	287	276	282	73.7	77.9	75.8		
June	703	56.3	53.5	54.9	47.5	62.4	36.2	21st	70.3	27th	5.5	4.0	4.8	313	313	313	68.4	74.8	71.6		
July	525	58.6	56.8	57.7	52.1	63.4	45.2	8th	75.1	2nd	4.4	3.0	3.7	368	378	373	74.5	81.3	77.9		
August	408	56.9	54.9	55.9	50.9	61.5	43.3	23rd	68.7	8th	3.7	2.8	3.3	361	355	358	77.8	82.2	80.0		
September	619	54.6	52.2	53.4	47.8	60.1	35.7	16th	67.9	23rd	2.8	2.1	2.5	358	342	350	82.3	85.9	84.1		
October	159	48.4	48.4	48.4	45.0	53.1	34.5	10th	58.2	1, 6	1.4	1.3	1.4	307	312	310	89.8	91.1	90.5		
November	627	41.9	41.9	41.9	38.2	46.5	25.8	30th	53.3	1st	1.2	1.2	1.2	246	247	247	89.0	90.3	89.7		
December	29.342	37.1	37.9	37.5	35.0	40.7	24.1	2nd	49.2	22nd	1.2	1.1	1.2	200	207	204	88.6	89.4	89.0		
Year	29.482	47.6	46.6	47.1	42.4	52.5	—	—	—	—	2.8	2.2	2.5	277	276	277	81.4	84.0	82.7		
30 Years, 1871-1900.	—	—	—	—	41.2	53.7	5.1	Jan. '81	88.1	July '73	—	—	—	—	—	—	—	—	—	—	—

WAKEFIELD, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.793	38.7	39.1	38.9	35.0	43.6	19.2	15th	55.0	26th	1.4	1.4	1.4	207	211	209	88	89	89		
February	879	44.8	45.1	45.0	39.8	50.5	30.2	18th	58.1	8th	2.3	2.2	2.3	245	251	248	82	83	82		
March	617	45.4	44.4	44.9	39.1	51.9	31.2	11th	65.4	25th	2.7	2.3	2.5	243	241	242	80	82	81		
April	763	45.2	42.8	44.0	35.4	50.9	26.6	23rd	58.5	28, 30	4.1	2.7	3.4	215	218	217	71	80	76		
May	799	52.3	50.6	51.4	42.9	59.1	31.2	12th	77.2	31st	4.1	3.0	3.5	288	294	291	73	80	76		
June	980	58.0	54.8	56.4	47.0	64.0	36.4	21st	76.4	27th	4.4	2.9	3.7	356	349	352	74	81	78		
July	793	61.0	58.5	59.8	52.4	67.0	43.2	7, 14	81.4	10th	3.9	2.0	2.9	413	428	421	77	87	82		
August	686	58.8	56.7	57.7	50.3	64.5	42.2	23rd	72.0	8th	3.5	2.3	2.9	389	393	391	78	85	81		
September	910	56.1	53.0	54.6	46.4	63.2	33.2	17th	72.6	1st	2.9	1.7	2.3	367	356	361	81	88	85		
October	453	51.0	49.6	50.3	44.5	56.2	37.2	10, 24	64.4	1st	2.6	1.8	2.2	307	308	308	82	87	84		
November	907	42.5	42.7	42.6	37.6	48.4	27.2	6th	56.6	24th	1.6	1.6	1.6	238	239	238	87	87	87		
December	29.646	37.3	38.1	37.7	34.2	42.0	23.2	30th	50.2	22nd	0.9	1.0	1.0	204	209	207	91	91	91		
Year	29.769	49.3	48.0	48.6	42.0	55.1	—	—	—	—	2.9	2.1	2.5	289	291	290	80.3	85.0	82.7		
20 Years, 1881-1900.	—	—	—	—	40.9	54.8	1.1	Jan. '94	86.8	July '81	—	—	—	—	—	—	—	—	—	—	—

PRESTWICH, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.533	38.5	39.6	39.1	34.7	43.9	22.6	14th	54.8	26th	1.2	1.5	1.4	209	213	211	90	88	89		
February	649	42.6	44.1	43.4	39.1	48.5	28.8	2nd	55.0	8th	1.5	1.7	1.6	240	251	246	88	86	87		
March	366	43.1	43.5	43.3	38.7	50.0	31.8	2, 6	62.0	25th	2.0	2.2	2.1	235	235	235	84	82	83		
April	518	42.7	41.6	42.2	35.2	49.7	25.9	18th	58.0	28th	2.6	1.9	2.3	220	224	222	81	86	84		
May	531	51.5	49.7	50.6	43.7	58.4	33.5	12th	77.8	31st	3.5	2.6	3.1	293	292	293	77	83	80		
June	725	55.3	53.7	54.5	46.9	63.8	33.6	21st	76.0	27th	4.2	3.4	3.8	325	322	324	74	78	76		
July	559	58.4	57.0	57.7	51.4	65.8	44.8	7, 8	78.0	2, 10	3.4	2.5	3.0	388	391	390	79	84	82		
August	445	56.3	55.5	55.9	50.1	63.2	41.6	22nd	70.2	8th	2.4	2.3	2.4	384	376	380	84	85	85		
September	646	54.8	52.8	53.8	47.3	62.6	34.8	17th	71.4	1st	2.2	1.6	1.9	368	355	362	86	88	87		
October	198	49.3	49.7	49.5	44.9	55.1	33.8	10th	61.7	4, 5	1.8	1.6	1.7	306	316	311	88	89	89		
November	666	42.0	42.7	42.4	38.1	48.0	25.9	19th	53.8	1, 24	0.9	1.4	1.2	247	244	246	93	88	91		
December	29.368	37.6	38.7	38.2	34.4	41.5	22.8	2nd	49.2	22nd	1.1	1.2	1.2	204	212	208	91	91	91		
Year	29.517	47.7	47.4	47.6	42.0	54.2	—	—	—	—	2.4	2.0	2.2	285	286	286	84.6	85.7	85.2		
30 Years, 1871-1900.	—	—	—	—	41.1	54.2	5.1	Jan. '81	86.5	Aug. '99	—	—	—	—	—	—	—	—	—	—	—

\* The extremes of temperature are for 25 years, 1876-1900.

STONYHURST, *a.*

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

Heights above Ground :—Barometer, — 12 feet. Thermometer, 4 feet. Rain-gauge, 8 feet.																									
1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.	Per Cent.	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.	
	hrs.	%				ins.	ins.																		
January	37.7	16	8.4	7.7	8.1	5.262	1.300	26th	19	5	1	0	2	20	4	3	7	10	0	7	13	16	0	6	
February	42.4	16	8.9	8.7	8.8	4.609	1.200	21st	20	2	3	2	0	21	7	1	1	0	0	8	15	25	3	3	
March	83.2	23	9.3	7.1	8.2	4.994	.760	17th	25	2	7	2	0	19	9	0	1	1	2	15	23	10	4	6	
April	167.1	40	7.7	5.6	6.7	2.902	1.040	3rd	15	6	4	0	1	12	1	8	4	6	0	1	3	11	13	14	
May	175.2	36	7.8	6.8	7.3	3.309	.760	5th	19	0	2	3	2	17	1	2	12	12	2	2	6	7	0	19	
June	197.4	39	8.5	5.9	7.2	2.363	.985	26th	10	0	0	2	1	15	0	3	14	12	2	4	3	8	0	14	
July	172.1	34	8.9	6.6	7.8	4.680	1.015	14th	17	0	0	1	0	14	0	1	3	2	3	4	8	17	9	15	
August	157.4	35	9.0	7.2	8.1	6.410	.970	19th	23	0	0	2	0	20	1	1	6	0	1	3	16	19	4	12	
September	148.6	40	7.9	5.9	6.9	6.020	1.910	8th	20	0	1	5	0	13	0	4	8	7	2	7	5	6	3	18	
October	60.1	19	9.5	8.2	8.9	10.832	1.210	27th	29	0	3	3	0	24	3	3	4	3	3	10	16	12	4	7	
November	65.2	26	6.8	5.8	6.3	4.589	.625	2nd	21	1	2	0	4	13	3	4	7	1	0	6	9	19	4	10	
December	13.8	6	8.9	7.8	8.4	2.970	1.010	3rd	13	4	2	0	0	20	2	4	7	19	4	10	5	3	0	10	
Year	1320.2	30	8.5	6.9	7.7	58.940	—	—	231	20	25	20	10	208	31	34	74	73	19	77	122	153	44	134	
35 Years, 1866-1900.	1342.1*	30*	—	—	—	47.89	—	—	209†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



## MANCHESTER (OLDHAM ROAD)

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

1903.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	29.687	40.2	41.2	40.7	36.9	44.5	25.0	14th	53.0	25.26	1.6	1.8	1.7	2.21	2.24	2.23	87.2	84.9	86.1
February	29.801	43.9	45.7	44.8	40.9	49.3	31.2	2nd	56.0	8th	2.4	2.6	2.5	2.41	2.52	2.47	82.5	81.4	82.0
March	29.530	44.0	45.1	44.6	40.0	50.1	33.2	18th	62.6	25th	2.6	3.1	2.9	2.34	2.36	2.35	81.2	78.5	79.9
April	29.696	43.6	43.9	43.8	37.8	49.5	29.0	18th	58.2	28.30	3.6	3.1	3.4	2.15	2.27	2.21	74.2	77.8	76.0
May	29.674	53.5	52.5	53.0	45.7	59.6	37.4	12th	77.9	31st	5.0	3.9	4.5	2.92	3.02	2.97	72.2	76.1	74.2
June	29.871	56.7	56.7	56.7	49.5	64.7	38.8	21st	76.2	27th	5.8	5.1	5.5	3.12	3.27	3.20	67.4	69.9	68.7
July	29.707	59.7	59.6	59.7	54.3	66.1	41.9	7th	79.6	2nd	4.8	3.9	4.4	3.75	3.97	3.86	72.8	77.3	75.1
August	29.600	57.3	57.8	57.6	52.7	63.4	45.8	23rd	72.1	8th	3.5	3.5	3.5	3.71	3.78	3.75	78.9	79.0	79.0
September	29.802	56.3	55.5	55.9	50.5	62.8	39.0	16th	71.2	23rd	3.4	3.2	3.3	3.64	3.57	3.61	78.6	80.3	79.5
October	29.349	50.7	51.2	51.0	46.9	55.5	37.2	10th	62.8	1st	2.4	2.5	2.5	3.13	3.15	3.14	83.9	83.1	83.5
November	29.816	44.0	44.7	44.4	40.6	48.5	28.4	30th	54.8	24th	1.6	1.9	1.8	2.59	2.59	2.59	87.3	85.8	86.6
December	29.520	39.3	40.0	39.7	36.8	42.6	27.0	2nd	50.6	22nd	1.7	1.9	1.8	2.08	2.12	2.10	85.2	84.5	84.9
Year	29.669	49.1	49.5	49.3	44.4	54.7	—	—	—	—	3.2	3.0	3.1	2.84	2.91	2.88	79.3	79.9	79.6
— Years, 18—19—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## BIDSTON OBSERVATORY (LIVERPOOL), a.

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

1903.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	29.655	39.1	40.1	39.6	35.7	43.7	23.8	15th	53.7	26th	1.8	1.8	1.8	2.04	2.12	2.08	85	85	85
February	29.776	44.2	44.8	44.5	40.4	49.2	32.7	18th	54.8	21st	2.5	2.4	2.5	2.36	2.43	2.40	81	82	82
March	29.485	44.3	43.4	43.9	39.7	49.8	32.2	18th	60.6	25th	2.6	2.2	2.4	2.35	2.34	2.35	80	83	82
April	29.664	43.9	43.2	43.6	38.5	48.8	31.2	18th	56.4	28th	2.8	2.1	2.5	2.27	2.34	2.31	79	84	82
May	29.661	51.7	50.6	51.2	44.9	57.7	37.0	11th	72.9	22nd	3.3	2.6	3.0	3.01	3.03	3.02	78	82	80
June	29.859	55.4	54.4	54.9	48.6	61.5	40.2	20th	69.2	24th	4.2	3.4	3.8	3.27	3.30	3.29	74	78	76
July	29.692	58.4	57.1	57.8	53.1	63.5	47.2	6th	77.7	2nd	3.7	2.5	3.1	3.80	3.93	3.87	78	84	81
August	29.576	57.2	56.7	57.0	52.7	62.5	48.3	23rd	70.7	8th	3.6	2.9	3.3	3.65	3.76	3.71	78	82	80
September	29.764	55.4	54.3	54.9	49.4	60.7	40.6	16th	67.8	1.21	3.1	2.5	2.8	3.53	3.52	3.53	81	83	82
October	29.322	49.7	50.0	49.9	46.5	54.4	41.2	24th	61.3	6th	2.4	2.1	2.3	2.97	3.07	3.02	84	85	85
November	29.802	44.1	44.4	44.3	40.2	48.8	28.2	30th	55.2	24th	2.0	2.0	2.0	2.45	2.48	2.47	84	85	85
December	29.490	38.1	38.6	38.4	35.4	42.3	27.5	30th	50.2	22nd	1.5	1.3	1.4	2.00	2.09	2.05	87	90	89
Year	29.646	48.5	48.1	48.3	43.8	53.6	—	—	—	—	2.8	2.3	2.6	2.81	2.87	2.84	80.8	83.6	82.2
30 Years, 1871—1900.	—	—	—	—	43.7	54.2	9.1	Jan. '81	89.1	July '73	—	—	—	—	—	—	—	—	—

## TEALBY, a.

Long. 0° 16' W. Lat. 53° 24' N. Height above Mean Sea Level, 251 feet. Gravity Correction, +021 in.

1903.	Mean Pressure at 32° Fahr.	Air Temperature.						Humidity.											
		9 a.m.			Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	29.648	37.5	39.1	38.3	34.9	42.5	21.4	13th	52.9	6th	0.6	0.8	0.7	2.13	2.23	2.18	95	93	94
February	29.735	42.0	42.5	42.3	38.5	48.9	30.5	2nd	56.9	8th	1.1	1.3	1.2	2.43	2.43	2.43	91	90	91
March	29.476	42.9	42.6	42.8	38.7	50.5	32.0	6th	63.3	25th	1.5	1.5	1.5	2.44	2.40	2.42	88	88	88
April	29.590	44.0	40.9	42.5	35.8	50.1	25.9	14th	57.5	28th	2.7	1.2	2.0	2.30	2.31	2.31	79	91	85
May	29.612	51.0	47.6	49.3	43.2	55.9	32.5	12th	75.1	22nd	2.3	1.1	1.7	3.16	3.03	3.10	84	93	89
June	29.782	56.4	52.2	54.3	46.8	61.9	39.7	6th	80.3	28th	4.1	2.1	3.1	3.43	3.35	3.39	75	86	81
July	29.614	60.7	57.3	59.0	51.6	67.0	39.9	8th	86.3	10th	4.3	2.7	3.5	3.98	3.91	3.95	75	83	79
August	29.531	58.1	55.1	56.6	50.1	64.7	44.5	26th	73.1	8.9	3.1	2.1	2.6	3.92	3.74	3.83	80	86	83
September	29.733	55.9	53.3	54.6	48.8	62.2	37.5	13th	71.1	1st	2.4	1.5	2.0	3.80	3.65	3.73	85	90	88
October	29.293	49.7	49.0	49.4	44.5	55.8	34.1	24th	65.1	1st	1.0	1.1	1.1	3.31	3.20	3.26	93	92	93
November	29.712	40.9	41.1	41.0	36.9	47.8	26.5	30th	53.7	24th	0.5	0.8	0.7	2.45	2.41	2.43	96	93	95
December	29.473	36.4	36.7	36.6	33.7	40.1	23.5	2nd	47.9	22nd	0.6	0.5	0.6	2.04	2.06	2.05	95	96	96
Year	29.600	48.0	46.5	47.3	42.0	54.0	—	—	—	—	2.0	1.4	1.7	2.95	2.90	2.93	86.3	90.1	88.2
— Years, 18—19—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## MANCHESTER (OLDHAM ROAD).

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	Total.	Per Cent.	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	hrs. 3·1	% 1	—	—	—	ins. 2·690	ins. 3·40	5th	17	3	0	0	—	—	0	2	5	14	6	16	12	2	2	3	
February	34·9	13	—	—	—	2·530	·880	21st	16	2	1	0	—	—	1	0	0	3	6	14	18	11	3	1	
March	69·0	19	—	—	—	3·480	·830	17th	17	2	1	0	—	—	0	2	1	1	15	20	12	7	3	1	
April	137·6	33	—	—	—	1·505	·360	30th	9	1	1	1	—	—	0	10	6	5	4	6	8	13	5	3	
May	150·3	30	—	—	—	3·283	·465	16th	15	0	0	0	—	—	0	8	8	8	9	7	6	5	4	7	
June	183·6	37	—	—	—	1·322	·545	26th	9	0	0	0	—	—	0	18	8	4	4	5	3	5	3	10	
July	174·4	35	—	—	—	3·311	·850	21st	17	0	0	3	—	—	0	1	2	4	7	9	10	13	8	8	
August	134·4	30	—	—	—	4·038	·505	2nd	19	0	0	2	—	—	0	4	4	4	6	17	14	10	3	0	
September	134·5	36	—	—	—	4·576	1·160	10th	16	0	0	0	—	—	0	5	5	9	11	7	7	7	1	8	
October	56·8	18	—	—	—	7·213	1·180	27th	29	0	0	0	—	—	1	1	1	4	17	17	11	7	2	2	
November	30·7	12	—	—	—	3·795	·780	2nd	19	0	0	0	—	—	0	4	0	3	5	8	21	3	5	11	
December	9·8	4	—	—	—	0·960	·270	8th	11	0	0	0	—	—	0	9	5	11	23	8	2	1	0	3	
Year	1119·1	25	—	—	—	38·703	—	—	194	8	3	6	—	—	2	64	45	70	113	134	124	84	39	57	
— Years, 18—19—.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



SHEFFIELD, *a.*

Long. 1° 29' W. Lat. 53° 23' N. Height above Mean Sea Level, 429 feet. Gravity Correction, +.021 in.

1903.	Mean Pressure at 32° Fahrt.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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. 29.416	38.3	39.4	38.9	35.3	43.4	22.8	15th	53.6	26th	1.6	1.7	1.7	in. 2.03	in. 2.11	in. 2.07	84.3	84.3	84.3
February	518	43.9	44.1	44.0	39.3	49.3	31.8	2nd	56.8	8th	2.0	1.7	1.9	2.48	2.55	2.52	85.8	87.0	86.4
March	252	43.4	43.6	43.5	38.1	50.8	32.0	2nd	63.1	25th	2.0	2.1	2.1	2.40	2.40	2.40	85.2	84.1	84.7
April	384	44.0	42.6	43.3	36.8	50.0	29.2	17th	59.0	30th	3.3	2.4	2.9	2.24	2.28	2.26	76.6	81.7	79.2
May	420	50.8	49.3	50.1	43.6	57.2	34.6	12th	74.5	22nd	3.4	2.2	2.8	2.94	3.02	2.98	79.5	85.3	82.4
June	601	56.0	54.2	55.1	47.6	62.5	37.9	21st	79.4	27th	4.3	3.5	3.9	3.38	3.35	3.37	74.7	78.6	76.7
July	428	60.1	57.9	59.0	52.7	66.6	43.7	8th	83.3	10th	3.7	2.0	2.9	4.10	4.26	4.18	78.7	87.8	83.3
August	336	57.7	56.1	56.9	51.3	63.7	45.0	23rd	73.0	8th	3.4	2.4	2.9	3.81	3.83	3.82	80.3	84.8	82.6
September	529	55.0	53.4	54.2	48.4	61.9	40.1	13th	72.7	1st	2.5	1.6	2.1	3.70	3.70	3.70	84.3	89.2	86.8
October	084	49.7	49.5	49.6	45.2	55.1	37.7	10th	63.1	1st	1.8	1.6	1.7	3.14	3.18	3.16	87.8	89.1	88.5
November	525	43.6	43.8	43.7	39.4	48.8	29.0	30th	55.0	12th	1.5	1.5	1.5	2.55	2.57	2.56	88.2	88.5	88.4
December	29.259	37.0	37.9	37.5	34.1	41.3	25.5	6th	48.6	22nd	0.9	1.1	1.0	2.05	2.08	2.07	91.4	90.0	90.7
Year	29.396	48.3	47.7	48.0	42.7	54.2	—	—	—	—	2.5	2.0	2.3	2.90	2.94	2.92	83.1	85.9	84.5
15 Years, 1886-1900.	—	—	—	—	41.9	54.3	5.8	Feb. '95	86.4	Aug. '93	—	—	—	—	—	—	—	—	—

LLANDUDNO, *a, b.*

Long. 3° 50' W. Lat. 53° 19' N. Height above Mean Sea Level, 71 feet. Gravity Correction, +.022 in.

1903.	Mean Pressure at 32° Fahrt.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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. 29.798	41.2	41.4	41.3	37.1	45.8	23.0	14th	56.0	26th	2.4	2.4	2.4	in. 2.10	in. 2.12	in. 2.11	81	81	81
February	924	45.7	46.2	46.0	42.3	50.7	34.8	28th	57.0	20th	2.6	2.6	2.6	2.48	2.53	2.51	81	81	81
March	626	46.7	45.0	45.8	40.8	50.7	33.2	18th	59.2	22nd	3.2	3.0	3.1	2.46	2.33	2.39	77	78	78
April	832	46.0	44.4	45.2	39.9	50.0	31.0	18th	56.0	10, 29, 30	3.8	3.2	3.5	2.28	2.25	2.27	73	77	75
May	29.813	53.1	50.7	51.9	46.0	57.8	33.5	12th	73.0	22, 24	3.9	3.0	3.5	3.03	2.95	2.99	75	80	77
June	30.011	56.8	55.2	56.0	50.0	62.0	42.5	21st	70.0	23, 28	4.9	3.8	4.3	3.27	3.33	3.30	71	76	74
July	29.852	60.3	58.0	59.2	54.0	65.5	49.0	2, 7	80.0	2nd	4.2	3.0	3.6	3.94	3.93	3.93	75	82	78
August	736	58.8	57.3	58.0	53.2	64.4	48.0	12th	71.0	8th	3.8	3.1	3.5	3.82	3.78	3.80	77	80	79
September	907	57.2	55.8	56.5	50.6	63.0	39.0	15th	69.0	21, 23	3.7	3.0	3.3	3.62	3.61	3.62	77	81	79
October	473	52.1	52.0	52.1	48.5	56.2	40.5	27th	62.0	6th	3.0	3.0	3.0	3.11	3.09	3.10	80	80	80
November	979	46.8	46.1	46.4	42.0	51.2	32.0	19, 30	59.0	12th	2.5	2.5	2.5	2.62	2.54	2.58	82	81	81
December	29.642	41.1	41.5	41.3	37.4	45.1	27.5	30th	56.2	22nd	2.0	2.0	2.0	2.17	2.20	2.18	84	84	84
Year	29.799	50.5	49.5	50.0	45.2	55.2	—	—	—	—	3.3	2.9	3.1	2.91	2.89	2.90	77.8	80.1	78.9
15 Years, 1876-1890.	29.808	50.0	48.5	49.3	44.2	54.6	14.5	Jan. '81	93.0	June '78	3.1	2.5	2.8	2.95	2.91	2.93	79.4	82.6	81.0

BUXTON, *a, b.*

Long. 1° 54' W. Lat. 53° 14' N. Height above Mean Sea Level, 987 feet. Gravity Correction, +.021 in.

1903.	Mean Pressure at 32° Fahrt.	Air Temperature.						Humidity.											
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.		
					Min.	Max.	Min.	Day.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	ins. 28.816	35.4	36.8	36.1	31.8	40.4	16.4	14th	49.6	6th	1.0	1.5	1.3	in. 1.86	in. 1.89	in. 1.88	90	87	89
February	944	40.4	41.1	40.8	35.9	45.5	25.0	2nd	52.8	9th	1.7	1.5	1.6	2.16	2.26	2.21	86	88	87
March	669	41.3	40.2	40.7	34.8	46.5	29.0	11th	57.8	22, 25	2.2	1.6	1.9	2.14	2.16	2.15	82	87	84
April	794	41.5	39.1	40.3	33.3	46.7	26.9	17th	55.1	30th	2.8	2.0	2.4	2.05	1.99	2.02	78	84	81
May	28.831	50.6	47.6	49.1	41.1	56.0	32.4	25th	75.8	31st	3.7	2.4	3.0	2.77	2.73	2.75	75	83	79
June	29.009	55.0	50.8	52.9	43.1	60.5	29.6	21st	76.8	27th	4.9	3.0	4.0	3.04	2.96	3.00	70	80	75
July	28.856	57.7	55.6	56.7	48.8	64.7	40.9	30th	82.4	10th	4.0	2.2	3.1	3.62	3.78	3.70	76	85	81
August	746	56.8	52.5	54.6	47.6	61.5	37.0	23rd	69.2	8th	4.7	2.2	3.4	3.31	3.36	3.33	72	85	78
September	944	53.8	51.3	52.6	46.2	59.4	32.3	17th	68.1	1st	2.8	1.8	2.3	3.38	3.31	3.35	81	88	85
October	503	48.8	47.2	48.0	42.6	52.7	32.8	10th	59.5	7th	2.0	1.2	1.6	2.95	2.96	2.95	86	91	88
November	934	39.4	39.4	39.4	34.6	45.0	24.0	30th	51.3	2nd	1.1	1.5	1.3	2.19	2.11	2.15	91	88	90
December	28.649	34.9	34.3	34.6	31.4	38.1	23.0	30th	45.8	22nd	0.9	0.6	0.8	1.84	1.86	1.85	91	94	92
Year	28.808	46.3	44.7	45.5	39.3	51.4	—	—	—	—	2.7	1.8	2.2	2.61	2.61	2.61	81.5	86.7	84.1
15 Years, 1876-1890.	28.858	45.4	43.3	44.4	37.9	51.7	4.0	Dec. '82	88.9	Jul. '76	2.1	1.3	1.7	2.70	2.63	2.67	85.5	89.6	87.6

SHEFFIELD, *a.*

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

1903.		Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
		Total.	Per Cent.	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	-	hrs. 30.8	% 13	6.9	7.6	7.3	ins. 3.550	ins. 7.50	6th	20	7	0	1	0	14	0	4	2	6	6	13	20	4	2	5
February	-	65.9	24	7.1	8.1	7.6	2.606	.500	24th	19	2	1	0	0	15	0	2	1	0	2	16	23	12	0	0
March	-	109.2	30	7.6	5.8	6.7	3.821	.870	17th	24	1	1	2	1	11	0	1	1	0	5	22	22	5	6	0
April	-	135.9	33	6.2	7.0	6.6	1.905	.800	30th	15	5	1	0	2	9	0	13	4	1	1	4	8	14	11	4
May	-	123.8	25	7.2	6.7	7.0	3.840	.564	3rd	19	0	1	3	1	16	0	18	11	6	6	6	8	2	2	3
June	-	141.3	28	7.7	7.5	7.6	1.187	.530	13th	9	0	0	1	0	13	0	21	12	1	4	6	7	3	6	0
July	-	170.6	34	7.7	6.5	7.1	2.330	.725	25th	18	0	0	3	2	11	0	4	1	1	4	9	6	25	9	3
August	-	153.6	34	7.6	6.2	6.9	4.236	1.330	17th	18	0	0	1	0	9	1	3	3	0	1	6	24	14	3	8
September	-	127.4	34	6.6	6.8	6.7	3.948	1.545	10th	22	0	0	2	1	12	0	7	3	4	7	10	8	5	6	10
October	-	77.6	24	7.5	7.6	7.6	7.196	1.033	14th	30	0	0	0	0	14	0	3	0	0	7	21	15	9	4	3
November	-	62.5	25	7.5	8.0	7.8	1.693	.335	27th	21	1	0	0	0	15	1	8	1	1	1	6	10	19	9	5
December	-	17.6	8	8.5	8.2	8.4	1.757	.475	3rd	20	3	0	0	0	20	0	8	8	9	8	12	8	3	4	2
Year	-	1216.2	28	7.3	7.2	7.3	38.069	—	—	235	22	4	13	7	159	2	92	47	29	52	131	159	115	62	43
35 Years, 1866-1900.	}	—	—	—	—	—	33.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



CHEADLE, *a, b.*

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

1903.	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.			Vapour Pressure.			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. 29.233	36.2	37.5	36.9	33.6	42.1	21.4	14th	51.2	26th	0.8	1.0	0.9	in. 1.97	2.04	2.01	92	91	92
February	357	41.1	41.8	41.4	37.4	47.8	28.3	18th	57.7	9th	1.1	1.2	1.2	2.34	2.38	2.36	91	90	90
March	078	41.4	41.5	41.5	36.7	49.1	30.3	2nd	60.7	25th	1.3	1.4	1.3	2.33	2.32	2.32	89	89	89
April	200	41.4	40.7	41.0	35.0	49.0	24.9	17th	57.6	29th	2.2	2.0	2.1	2.15	2.14	2.15	82	84	83
May	214	50.0	48.3	49.2	43.1	57.6	35.2	12th	75.6	31st	2.9	2.3	2.6	2.88	2.83	2.85	80	83	82
June	390	54.0	52.8	53.4	46.5	61.6	39.0	21st	77.6	27th	3.2	3.2	3.2	3.31	3.16	3.24	79	79	79
July	250	57.1	56.4	56.7	50.7	65.3	43.0	8, 13	81.8	10th	2.9	2.0	2.5	3.82	3.96	3.89	82	87	84
August	156	55.2	53.9	54.6	49.5	62.9	46.0	6, 11	71.6	1st	2.6	2.2	2.4	3.62	3.55	3.58	83	85	84
September	29.338	53.0	52.0	52.5	46.5	60.8	37.4	13th	69.9	1st	1.6	1.8	1.7	3.58	3.40	3.49	89	88	89
October	28.908	47.7	48.0	47.8	43.5	54.1	33.8	10th	61.7	6th	1.2	1.3	1.2	3.02	3.03	3.03	91	90	90
November	29.345	41.5	41.4	41.5	37.4	47.3	28.0	30th	52.7	1, 12	1.0	1.1	1.1	2.39	2.37	2.38	91	91	91
December	29.045	35.6	35.5	35.5	32.5	39.5	25.2	6th	47.1	9th	0.6	0.7	0.6	1.96	1.93	1.94	94	93	94
Year	29.210	46.2	45.8	46.0	41.0	53.1	—	—	—	—	1.8	1.7	1.7	2.78	2.76	2.77	86.9	87.5	87.2
15 Years, 1876-1890.	29.234	45.5	44.9	45.2	40.0	52.4	9.9	Jan. '81	87.0	Aug. '76	1.9	1.6	1.8	2.72	2.72	2.72	86.1	88.1	87.1

BELVOIR CASTLE, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.631	37.2	39.0	38.1	34.5	43.4	17.0	14th	53.0	26th	0.8	1.2	1.0	in. 2.06	2.14	2.10	93	90	92
February	741	42.8	43.4	43.1	38.4	49.7	30.0	2, 28	58.0	9th	1.8	2.1	2.0	2.36	2.36	2.36	86	83	85
March	470	43.0	42.9	43.0	37.8	51.6	29.0	11th	64.0	25th	1.8	2.2	2.0	2.38	2.30	2.34	86	84	85
April	570	42.8	41.3	42.1	35.4	50.6	26.0	23rd	60.0	28, 29	2.5	2.2	2.4	2.23	2.15	2.19	81	83	82
May	593	50.8	48.6	49.7	42.8	58.9	32.0	12th	76.0	22nd	2.5	1.8	2.2	3.09	2.99	3.04	83	88	86
June	765	55.8	52.9	54.4	46.2	62.9	35.0	4th	81.0	27th	4.0	2.3	3.2	3.38	3.39	3.39	76	85	81
July	614	60.3	58.1	59.2	51.5	68.4	42.0	8th	85.0	10th	3.6	2.6	3.1	4.11	4.06	4.09	79	83	81
August	519	58.3	55.7	57.0	50.5	65.3	42.0	22nd	75.0	8th	3.5	2.1	2.8	3.84	3.85	3.85	78	87	83
September	715	55.5	53.1	54.3	48.0	63.7	36.0	17th	73.0	1st	2.0	1.2	1.6	3.84	3.70	3.77	87	91	89
October	289	50.1	49.2	49.7	45.0	56.5	35.0	24th	64.0	1, 3	1.6	1.2	1.4	3.21	3.19	3.20	89	92	91
November	717	41.2	41.7	41.5	36.9	48.3	24.0	7th	55.0	12, 24	0.9	1.0	1.0	2.40	2.43	2.42	93	93	93
December	29.446	36.2	36.7	36.5	33.4	40.8	24.0	2, 30	49.0	9, 22	0.5	0.5	0.5	2.04	2.08	2.06	95	96	96
Year	29.589	47.8	46.9	47.4	41.7	55.0	—	—	—	—	2.1	1.7	1.9	2.91	2.89	2.90	85.5	87.9	86.7
— Years, 18—19—.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

HILLINGTON, *a, b.*

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

1903.	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.			Vapour Pressure.			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. 29.846	38.2	39.2	38.7	33.4	44.1	16.0	13th	54.1	6th	1.0	0.8	0.9	in. 2.15	2.30	2.23	90.6	92.7	91.7
February	963	42.4	42.5	42.5	36.1	50.8	25.0	18th	58.4	19th	1.7	1.4	1.6	2.39	2.48	2.44	86.3	88.5	87.4
March	704	44.6	43.2	43.9	37.6	53.0	29.0	6th	67.5	25th	2.2	1.4	1.8	2.50	2.52	2.51	84.3	89.4	86.9
April	750	43.5	41.4	42.4	36.1	51.0	29.5	23rd	61.3	29th	3.1	1.9	2.5	2.22	2.24	2.23	77.7	84.6	81.2
May	780	53.2	48.6	50.9	43.7	60.8	34.6	13th	77.3	22nd	3.1	1.3	2.2	3.26	3.13	3.20	80.2	90.6	85.4
June	941	57.3	52.3	54.8	46.7	64.0	32.1	13th	82.8	28th	4.1	1.8	3.0	3.59	3.50	3.55	75.6	87.9	81.8
July	793	61.3	57.5	59.4	50.5	69.0	39.8	14th	86.2	10th	4.5	2.2	3.4	4.08	4.11	4.10	74.8	86.4	80.6
August	711	59.0	55.9	57.5	49.3	66.8	39.2	22nd	75.1	8th	3.5	1.8	2.7	3.96	3.97	3.97	79.4	88.3	83.9
September	913	57.2	54.7	56.0	48.7	65.0	35.9	13th	84.3	2nd	2.5	1.4	2.0	4.01	3.95	3.98	84.4	90.6	87.5
October	511	51.3	49.7	50.5	44.8	57.7	32.1	24th	69.7	1st	1.6	1.3	1.4	3.42	3.28	3.35	88.9	90.5	89.7
November	901	41.9	41.2	41.6	36.5	48.5	27.3	6th	54.4	3rd	1.0	1.1	1.1	2.49	2.46	2.47	91.6	91.2	91.4
December	29.657	37.0	36.7	36.8	32.8	40.8	23.1	3rd	48.6	9th	1.0	1.0	1.0	2.02	2.01	2.02	90.4	90.5	90.5
Year	29.789	48.9	46.9	47.9	41.4	56.0	—	—	—	—	2.4	1.4	1.9	3.01	2.99	3.00	83.7	89.3	86.5
15 Years, 1876-1890.	29.831	48.6	45.4	47.0	40.2	55.3	1.3	Jan. '81	93.4	Aug. '84	2.3	1.2	1.8	3.05	2.91	2.98	84.9	91.0	88.0

CHEADLE, *a, b.*

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

Heights above Ground: —————																										
1903.		Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
		Total.	Per Cent.	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.	
	hrs.	%				ins.	ins.																			
January	—	—	6.8	7.2	7.0	2.34	.41	4th	21	6	2	1	5	16	6	2	3	12	6	3	22	6	3	5		
February	—	—	7.9	5.6	6.8	1.17	.38	24th	13	3	2	0	2	10	11	1	0	2	3	7	18	15	10	0		
March	—	—	7.8	5.7	6.7	4.52	.93	17th	22	4	3	1	1	12	9	1	1	1	10	13	19	4	12	1		
April	—	—	6.3	6.1	6.2	2.09	.52	30th	15	5	3	0	4	10	5	3	5	6	4	3	6	9	22	2		
May	—	—	7.1	5.6	6.4	2.74	.42	2nd	15	0	0	2	6	12	2	4	5	21	7	2	7	5	7	4		
June	—	—	6.5	5.5	6.0	0.86	.33	13th	8	0	0	3	1	9	0	10	13	14	6	3	3	1	7	3		
July	—	—	7.8	6.7	7.2	3.32	.95	29th	16	0	1	5	1	12	2	3	1	4	6	7	5	9	20	7		
August	—	—	7.7	6.7	7.2	5.43	1.05	20th	19	0	0	2	1	12	6	2	0	2	3	5	15	16	8	11		
September	—	—	6.8	5.0	5.9	6.08	1.77	24th	17	0	1	3	3	8	4	5	3	10	12	5	3	5	8	9		
October	—	—	7.6	6.6	7.1	5.79	1.37	27th	29	0	0	3	4	16	8	1	0	4	11	9	15	12	7	3		
November	—	—	7.9	5.9	6.9	2.96	.90	27th	20	1	2	0	2	15	4	4	2	3	3	3	6	10	20	9		
December	—	—	8.5	6.6	7.6	1.93	.48	8, 12	17	3	0	0	2	15	2	4	1	17	14	9	4	1	6	6		
Year	—	—	7.4	6.1	6.8	39.23	—	—	212	22	14	20	32	147	59	40	34	96	85	69	123	93	130	60		
15 Years, } 1876-1890. }	—	—	7.1	6.1	6.6	34.17	2.33	Aug 80	196.8	33.7	12.0	23.2	35.8	143.2	29.5	71.5	53.9	109.1	58.1	75.6	103.2	90.3	115.6	52.8		



CHURCHSTOKE, *b, c, d.*

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

1903.	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.			Vapour Pressure.			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°310	37°5	37°6	37°6	33°6	42°8	13°8	14th	52°6	5th	1°5	1°2	1°4	in. 2°01	in. 2°07	in. 2°04	% 84°5	% 87°2	% 85°9		
February	°454	43°4	42°6	43°0	38°4	49°6	26°9	18th	57°4	19th	2°0	1°7	1°9	2°43	2°40	2°42	84°4	86°3	85°4		
March	°154	44°5	41°6	43°0	37°5	50°5	29°7	6th	60°3	22nd	2°5	1°7	2°1	2°41	2°29	2°35	81°3	86°4	83°9		
April	°303	43°7	39°7	41°7	34°4	51°4	25°6	18th	61°3	28th	3°2	2°1	2°7	2°23	2°06	2°15	76°4	82°0	79°2		
May	°293	52°6	47°5	50°1	42°2	59°8	31°8	12, 19	75°1	22nd	4°2	2°1	3°2	2°98	2°82	2°90	74°9	84°9	79°9		
June	29°485	55°4	50°9	53°1	44°8	62°8	33°1	21st	78°8	27th	4°4	2°2	3°3	3°28	3°21	3°25	74°3	84°9	79°6		
July	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
August	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
September	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
October	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
November	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
15 Years, 1876-1890.	29°351	47°1	45°2	46°2	39°5	53°9	-1°0	Jan.'81	95°1	July '76 Aug. '76	2°3	1°7	2°0	2°84	2°75	2°80	83°7	87°2	85°5		

LOWESTOFT, *a.*

Long. 1° 45' E. Lat. 52° 29' N. Height above Mean Sea Level, 84 feet. Gravity Correction, +.020 in.

	ins.													in.	in.	in.	%	%	%
January	29.902	40.7	40.7	40.7	36.7	44.3	28.4	1st	54.5	26th	1.7	1.6	1.7	.218	.220	.219	86	87	87
February	30.012	44.7	42.8	43.8	37.6	49.7	28.8	2nd	57.5	9, 20	2.5	1.9	2.2	.240	.234	.237	81	85	83
March	29.756	46.7	43.9	45.3	38.8	51.0	31.9	2nd	61.4	22nd	2.8	2.0	2.4	.255	.242	.249	80	84	82
April	.761	44.6	41.1	42.8	36.7	48.3	28.3	20th	56.2	28th	3.4	2.1	2.7	.222	.215	.218	75	83	79
May	.814	53.2	48.9	51.1	45.1	55.9	34.4	13th	68.2	21st	3.5	1.4	2.5	.313	.311	.312	77	90	83
June	.960	56.2	52.1	54.1	48.9	58.4	37.6	13th	77.1	28th	4.0	2.1	3.0	.340	.334	.337	75	86	81
July	.828	62.0	56.9	59.5	52.4	65.9	43.6	21st	74.9	1st	5.0	2.0	3.5	.399	.404	.402	72	87	79
August	.752	61.7	57.0	59.3	51.6	65.9	45.2	19th	72.0	27th	4.9	2.2	3.6	.397	.400	.398	72	86	79
September	.939	59.5	56.1	57.8	51.0	62.9	39.7	12th	73.5	2nd	3.4	1.5	2.4	.404	.406	.405	79	90	85
October	.563	54.3	50.9	52.6	46.3	57.6	35.8	24th	66.4	3rd	2.6	1.6	2.1	.349	.331	.340	83	89	86
November	.924	45.0	43.6	44.3	38.4	48.9	30.9	20th	54.7	2nd	1.9	1.4	1.7	.256	.252	.254	86	89	87
December	29.707	39.8	38.8	39.3	34.9	41.9	24.2	7th	48.0	9, 14	2.0	1.6	1.8	.205	.204	.205	84	86	85
Year	29.827	50.7	47.7	49.2	43.2	54.2	—	—	—	—	3.1	1.8	2.5	.300	.296	.298	79.2	86.8	83.0
30 Years, } 1871-1900. }	—	—	—	—	42.7	54.6	—	—	—	—	—	—	—	—	—	—	—	—	—

GELDESTON, *a.*

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

	ins.													in.	in.	%	%	%	
January	- 29.926	40.3	41.2	40.8	36.5	44.7	27.0	1st	54.5	26th	1.3	1.4	1.4	.223	.229	.226	90	89	90
February	- 30.038	43.6	43.3	43.5	36.8	51.1	23.4	17th	59.7	9th	2.0	2.1	2.1	.241	.235	.238	85	84	85
March	- 29.783	45.8	44.1	45.0	37.8	53.3	29.5	11th	64.9	23rd	2.3	2.0	2.2	.257	.245	.251	84	84	84
April	- .798	44.9	41.3	43.1	35.8	50.6	28.3	20th	60.7	29th	3.0	1.8	2.4	.233	.223	.228	78	86	82
May	- .848	55.5	49.3	52.4	43.9	60.3	30.6	13th	73.9	22nd	3.7	1.2	2.5	.340	.321	.331	77	92	85
June	- .994	58.0	52.5	55.3	46.9	62.7	33.1	13th	85.9	28th	4.3	2.0	3.2	.360	.341	.351	75	87	81
July	- .864	62.9	57.7	60.3	51.5	68.8	39.8	21st	82.9	10th	5.3	2.1	3.7	.405	.414	.410	70	87	79
August	- .787	61.3	57.2	59.3	50.4	67.4	42.5	23rd	72.9	8, 27	4.4	2.2	3.3	.404	.403	.404	75	86	81
September	- .978	59.2	56.1	57.7	49.5	65.4	36.7	18th	81.9	2nd	2.8	1.2	2.0	.417	.415	.416	83	91	87
October	- .594	53.3	50.8	52.1	45.8	58.5	34.8	24th	66.6	3rd	2.0	1.7	1.9	.351	.328	.340	86	88	87
November	- .962	43.2	42.8	43.0	37.2	49.7	28.5	7th	55.7	4th	1.3	1.2	1.3	.251	.249	.250	90	91	91
December	- 29.733	38.6	38.2	38.4	34.0	42.0	25.6	3rd	49.7	14th	1.0	1.2	1.1	.215	.206	.211	92	90	91
Year	- 29.859	50.6	47.9	49.3	42.2	56.2	—	—	—	—	2.8	1.7	2.3	.308	.301	.305	82.1	87.9	85.0
30 Years, } 1871-1900. }	—	—	—	—	41.4	55.7	1.4*	Feb. '95	91.2*	July 81	—	—	—	—	—	—	—	—	—



## BIRMINGHAM (EDGBASTON), a.

Long. 1° 56' W. Lat. 52° 28' N. Height above Mean Sea Level, 535 feet. Gravity Correction, +018 in.

1903.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.			9 p.m.						Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.		
		Mean.			Mean.						Mean.			Mean.			Mean.		
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	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. 29.322	37.6	39.2	38.4	35.0	43.3	21.6	16th	52.0	25th	1.4	1.5	1.5	in. 2.03	2.13	2.08	85.6	85.5	85.6
February	464	41.8	43.8	42.8	39.0	49.0	29.9	18th	58.2	9th	1.8	2.5	2.2	2.31	2.38	2.35	85.8	81.9	83.9
March	184	42.1	44.0	43.1	37.7	50.4	31.8	2nd	60.6	25th	1.9	2.9	2.4	2.30	2.30	2.30	85.9	79.2	82.6
April	296	41.7	43.5	42.6	36.6	50.1	26.9	18th	58.8	28th	2.9	3.6	3.3	2.10	2.14	2.12	76.7	74.2	75.5
May	299	49.7	51.0	50.4	44.5	58.8	36.3	12th	74.8	22, 31	3.1	3.6	3.4	2.86	2.90	2.88	80.6	78.2	79.4
June	477	53.1	55.1	54.1	47.5	62.2	37.6	21st	79.5	27th	3.9	4.5	4.2	3.11	3.21	3.16	75.7	73.7	74.7
July	345	57.7	59.1	58.4	52.3	66.8	45.0	8th	83.8	10th	3.9	4.1	4.0	3.67	3.86	3.77	76.6	76.6	76.6
August	256	55.8	56.8	56.3	50.3	64.2	42.5	13th	73.4	8th	3.1	3.6	3.4	3.58	3.61	3.60	81.3	78.0	79.7
September	424	53.2	54.2	53.7	48.7	62.1	38.4	13th	71.0	1st	1.7	2.3	2.0	3.64	3.63	3.64	88.3	84.6	86.5
October	007	48.5	49.6	49.1	45.4	55.4	37.2	24th	62.5	3rd	1.5	1.8	1.7	3.14	3.15	3.15	89.1	87.8	88.5
November	445	41.9	43.2	42.6	38.7	48.1	28.6	30th	55.9	22nd	1.3	1.7	1.5	2.42	2.48	2.45	89.0	87.0	88.0
December	29.135	37.0	37.3	37.2	34.2	40.9	26.0	30th	50.0	9th	1.0	1.0	1.0	2.02	2.05	2.04	89.5	90.2	89.9
Year	29.305	46.7	48.1	47.4	42.5	54.3	—	—	—	—	2.3	2.8	2.6	2.77	2.82	2.80	83.7	81.4	82.6
30 Years, 1871-1900.	—	—	—	—	42.0	54.0	—	—	—	—	—	—	—	—	—	—	—	—	—

## CAMBRIDGE a.

Long. 0° 6' E. Lat. 52° 13' N. Height above Mean Sea Level, 83 feet. Gravity Correction, +019 in.

1903.	ins.	Air Temperature.									Humidity.								
		9 a.m.			9 p.m.						Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.		
		Mean.			Mean.						Mean.			Mean.			Mean.		
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.880	38.7	39.5	39.1	33.7	45.5	17.8	16th	55.7	5th	1.2	1.1	1.2	in. 2.19	2.28	2.24	89.8	91.1	90.5
February	30.009	43.7	43.3	43.5	37.2	52.3	24.8	18th	61.4	9th	2.0	2.1	2.1	2.47	2.41	2.44	85.5	84.0	84.8
March	29.738	45.5	43.5	44.5	37.0	54.5	29.1	9, 11	67.8	25th	2.5	2.1	2.3	2.52	2.42	2.47	82.7	84.9	83.8
April	787	45.4	41.4	43.4	35.0	53.7	26.0	18th	62.8	29th	3.4	2.1	2.8	2.34	2.23	2.29	76.3	83.1	79.7
May	805	54.7	50.5	52.6	43.0	63.5	32.1	13th	77.9	22nd	3.4	2.0	2.7	3.42	3.21	3.32	79.5	87.1	83.3
June	958	59.0	53.8	56.4	46.1	66.0	35.3	13th	83.4	27th	4.5	2.5	3.5	3.77	3.54	3.66	74.7	84.1	79.4
July	836	62.8	59.7	61.3	52.0	69.9	41.7	8th	86.1	10th	4.7	3.0	3.9	4.28	4.25	4.27	74.8	83.0	78.9
August	758	61.5	57.1	59.3	50.1	68.0	42.2	22nd	77.2	8th	4.8	2.5	3.7	4.02	3.95	3.99	73.7	84.3	79.0
September	936	59.2	55.3	57.3	48.3	66.7	37.8	13th	85.3	2nd	2.8	1.8	2.3	4.26	3.93	4.10	83.4	88.3	85.9
October	546	53.6	50.7	52.2	45.1	58.8	34.4	24th	70.2	1st	2.0	1.6	1.8	3.62	3.33	3.48	86.8	88.9	87.9
November	947	43.6	42.1	42.9	36.6	51.2	27.1	20th	55.3	24th	1.3	1.0	1.2	2.60	2.52	2.56	90.0	91.9	91.0
December	29.680	38.4	37.2	37.8	32.3	41.9	22.7	31st	50.8	9th	0.9	0.7	0.8	2.17	2.12	2.15	92.1	93.7	92.9
Year	29.823	50.5	47.8	49.2	41.4	57.7	—	—	—	—	2.8	1.9	2.4	3.14	3.02	3.08	82.4	87.0	84.7
30 Years, 1871-1900.	—	—	—	—	40.5	57.3	0.1	Dec. '79	95.2	July '00	—	—	—	—	—	—	—	—	—

## HOLLESLEY BAY.

Long. 1° 27' E. Lat. 52° 3' N. Height above Mean Sea Level, 38 feet. Gravity Correction, +019 in.

1903.	ins.	Air Temperature.									Humidity.								
		9 a.m.			9 p.m.						Dep. of Wet-Bulb.			Vapour Pressure.			Percentage.		
		Mean.			Mean.						Mean.			Mean.			Mean.		
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Day.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.	9 a.m.	9 p.m.	Mean.
January	29.938	40.5	40.1	40.3	35.8	43.8	28.3	12th	52.5	5th	1.3	1.0	1.2	in. 2.29	2.30	2.30	88.6	90.9	89.8
February	30.079	44.9	43.1	44.0	37.3	49.7	26.7	18th	59.3	9th	2.0	1.6	1.8	2.58	2.49	2.54	85.6	88.0	86.8
March	29.824	46.2	43.4	44.8	37.9	50.9	29.2	11th	59.0	22nd	1.8	1.1	1.5	2.73	2.59	2.66	86.9	91.7	89.3
April	822	45.1	40.9	43.0	35.9	49.3	27.2	18th	57.0	29th	3.2	1.6	2.4	2.35	2.26	2.31	77.7	87.0	82.4
May	852	55.1	50.1	52.6	44.4	58.1	33.5	13th	72.6	31st	3.6	1.7	2.7	3.41	3.21	3.31	78.0	88.2	83.1
June	29.996	57.3	53.4	55.4	46.9	61.7	36.7	13th	79.0	28th	4.1	2.7	3.4	3.60	3.43	3.52	75.8	83.4	79.6
July	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
September	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
October	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
— Years, 18—19—.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## BIRMINGHAM (EDGBASTON), a.

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

1903.		Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
		Total.	Per Cent.	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	-	hrs. 32.9	% 13	7.1	6.5	6.8	ins. 2.030	ins. .400	4th	14	1	1	1	4	13	0	2	5	8	5	12	15	7	2	6		
February	-	45.6	17	7.5	6.1	6.8	1.355	.590	24th	6	1	2	0	3	14	1	0	0	0	2	13	21	13	6	1		
March	-	71.2	20	7.8	5.3	6.6	4.630	.960	17th	17	1	0	0	2	10	0	3	1	0	4	21	16	11	4	2		
April	-	116.3	28	6.7	5.4	6.1	1.685	.700	28th	12	2	0	0	3	11	0	10	5	3	2	4	8	8	18	2		
May	-	130.0	27	7.1	6.6	6.9	2.600	.495	3rd	15	0	0	4	5	15	0	5	15	7	5	4	7	5	3	11		
June	-	106.1	21	7.1	7.1	7.1	1.560	.650	14th	7	0	0	0	2	15	0	7	21	6	5	4	3	2	4	8		
July	-	139.5	28	7.9	6.5	7.2	2.155	.705	25th	15	0	0	1	1	14	0	2	3	1	2	8	11	10	15	10		
August	-	152.8	34	6.8	5.8	6.3	5.165	1.800	24th	18	0	0	0	1	8	0	1	1	2	3	14	16	14	3	8		
September	-	122.5	33	7.2	5.5	6.4	2.550	.490	8th	15	0	0	2	2	11	0	3	7	8	11	9	6	7	4	5		
October	-	77.1	24	7.3	6.5	6.9	6.550	1.160	14th	28	0	0	1	2	12	0	0	0	4	17	19	9	8	0	5		
November	-	41.2	16	7.6	6.1	6.9	1.660	.715	27th	15	0	0	0	3	13	0	3	2	2	6	8	15	13	6	5		
December	-	9.6	4	8.2	7.8	8.0	1.800	.530	8th	13	0	0	0	1	20	0	1	17	9	14	7	2	3	3	6		
Year	-	1044.8	24	7.4	6.3	6.9	33.740	—	—	175	5	3	9	29	156	1	37	77	50	76	123	129	101	68	69		
30 Years, } 1871-1900. }	-	—	—	—	—	—	27.69	—	—	172	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		



## WOBURN

Long.  $0^{\circ} 36' W.$  Lat.  $52^{\circ} 1' N.$  Height above Mean Sea Level, 291 feet. Gravity Correction,  $+0.018$  in.

[illegible]

BENNINGTON, *a.*

Long.  $0^{\circ} 5' W.$  Lat.  $51^{\circ} 54' N.$  Height above Mean Sea Level, 407 feet. Gravity Correction,  $+017$  in.

[illegible]

CHELTENHAM, *a.*

Long. 2° 3' W. Lat. 51° 54' N. Height above Mean Sea Level, 213 feet. Gravity Correction, +.019 in.

[illegible]

WOBURN.

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

[illegible]BENNINGTON, *a.*

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

[illegible]

- CHELTENHAM, *a.*

Heights above Ground:—Barometer,  $\left\{ \begin{array}{l} -17 \text{ feet till Oct. 24th} \\ -7 \text{ feet from Oct. 25th} \end{array} \right\}$  Thermometers, 4 feet. Rain-gauge, 4 feet.

[illegible]



BERKHAMSTEAD, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.549	37.7	38.9	38.3	34.8	43.9	20.4	16th	53.5	5th	1.0	1.1	1.1	in. 2.06	in. 2.15	in. 2.11	91	91	91		
February	698	42.5	42.8	42.7	37.7	50.5	21.4	18th	58.7	9th	1.6	1.7	1.6	2.38	2.38	2.38	87	87	87		
March	417	43.7	42.5	43.1	36.7	52.0	23.9	11th	66.0	25th	2.3	2.1	2.2	2.34	2.28	2.31	82	84	83		
April	458	43.6	41.1	42.3	35.0	52.0	24.3	19th	60.3	25th	3.4	2.1	2.8	2.14	2.15	2.14	75	83	79		
May	466	52.7	49.7	51.2	42.7	61.6	30.4	13th	76.6	30th	3.5	2.2	2.8	3.07	3.02	3.05	77	85	81		
June	624	56.2	52.6	54.4	45.4	63.3	37.1	13th	81.6	27th	4.2	2.1	3.2	3.35	3.40	3.37	74	86	80		
July	520	60.9	58.1	59.5	51.5	68.6	41.1	14th	83.9	10th	4.8	3.0	3.9	3.86	3.94	3.90	72	82	77		
August	450	58.8	56.3	57.6	50.0	66.7	40.9	23rd	75.5	8th	3.7	2.4	3.0	3.85	3.84	3.85	78	85	82		
September	605	56.4	53.1	54.7	48.1	64.9	35.1	17th	81.0	2nd	2.5	1.4	2.0	3.82	3.65	3.73	84	90	87		
October	223	51.1	49.7	50.4	45.3	57.2	34.1	24th	66.6	1st	1.7	1.4	1.5	3.31	3.21	3.26	88	90	89		
November	622	42.8	41.3	42.1	37.3	49.5	26.4	20th	56.4	1st	1.2	1.0	1.1	2.49	2.38	2.44	91	92	91		
December	29.325	36.7	36.1	36.4	32.8	40.9	23.7	3rd	50.4	9th	0.6	0.6	0.6	2.05	2.00	2.02	94	94	94		
Year	29.496	48.6	46.9	47.7	41.4	55.9	—	—	—	—	2.5	1.8	2.2	2.89	2.87	2.88	82.8	87.4	85.1		
15 Years, 1886-1900.	—	—	—	—	40.4	56.0	7.4	Jan. '86	91.0	Aug. '93	—	—	—	—	—	—	—	—	—	—	—

KEW, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.961	40.1	41.1	40.6	36.9	44.6	25.0	16th	53.6	5th	1.5	1.8	1.7	in. 2.22	in. 2.26	in. 2.24	85.0	82.6	83.8		
February	30.116	44.3	44.6	44.5	39.7	50.2	25.4	18th	57.3	20th	2.0	2.2	2.1	2.51	2.52	2.52	84.3	84.0	84.2		
March	29.845	46.1	45.3	45.7	39.0	52.6	28.2	11th	65.3	25th	2.7	2.6	2.7	2.54	2.49	2.52	81.0	82.1	81.6		
April	864	44.8	44.5	44.7	37.8	51.7	30.0	16, 19, 20	59.8	29th	4.0	3.3	3.7	2.19	2.29	2.24	72.0	76.4	74.2		
May	29.860	54.3	53.1	53.7	45.9	61.9	34.9	13th	75.6	30th	4.1	3.4	3.8	3.19	3.23	3.21	74.9	79.2	77.1		
June	30.003	56.7	55.5	56.1	48.2	63.3	39.6	13th	80.8	27th	4.8	3.5	4.2	3.36	3.50	3.43	72.0	78.5	75.3		
July	29.909	62.1	61.5	61.8	53.8	69.4	46.3	8th	83.3	11th	5.4	4.4	4.9	3.98	4.16	4.07	70.6	75.8	73.2		
August	844	60.2	58.8	59.5	52.5	67.3	45.0	23rd	76.3	8th	4.4	3.4	3.9	3.93	3.92	3.93	75.0	79.4	77.2		
September	999	57.8	55.9	56.9	50.0	64.7	37.0	17th	79.0	1st	3.2	2.1	2.7	3.93	3.95	3.94	80.6	86.6	83.6		
October	29.632	53.1	52.0	52.6	47.5	57.9	37.9	24th	65.1	1st	2.1	1.8	2.0	3.52	3.43	3.48	86.0	87.6	86.8		
November	30.030	44.5	43.7	44.1	39.0	50.0	29.0	20th	55.4	1st	1.8	1.6	1.7	2.60	2.55	2.58	86.7	87.9	87.3		
December	29.733	39.0	38.7	38.9	35.5	42.5	25.9	5th	52.3	9th	1.6	1.6	1.6	2.08	2.06	2.07	85.6	85.3	85.5		
Year	29.900	50.3	49.6	50.0	43.8	56.3	—	—	—	—	3.1	2.6	2.9	3.00	3.03	3.02	79.5	82.1	80.8		
30 Years, 1871-1900.	29.934	49.1	48.6	48.9	42.7	56.1	9.4	Jan. '81	92.3	Aug. '76	—	—	—	—	—	—	—	—	—	—	—

NORWOOD, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.752	40.0	41.0	40.5	36.4	44.7	22.0	16th	53.5	5th	1.6	1.9	1.8	in. 2.14	in. 2.18	in. 2.16	87	85	86		
February	903	44.0	43.7	43.9	39.1	50.6	26.8	18th	58.9	20th	2.2	2.2	2.2	2.39	2.37	2.38	83	83	83		
March	629	46.6	44.5	45.5	39.3	53.6	31.6	11th	66.4	25th	3.2	2.8	3.0	2.45	2.32	2.39	77	79	78		
April	657	45.4	43.5	44.5	36.6	52.9	28.0	16th	61.0	25th	4.3	3.2	3.7	2.14	2.16	2.15	70	76	73		
May	659	55.5	51.8	53.6	45.4	62.9	35.2	13th	78.4	22nd	4.9	3.2	4.1	3.09	3.03	3.06	70	79	75		
June	797	58.1	54.9	56.5	48.2	65.0	39.6	13th	85.0	28th	5.2	3.3	4.2	3.38	3.40	3.39	70	79	74		
July	713	63.5	60.3	61.9	53.5	70.7	43.5	8th	84.9	11th	5.9	3.9	4.9	3.97	4.03	4.00	68	77	73		
August	650	61.5	57.4	59.5	52.0	68.3	46.2	26th	75.9	8th	4.9	2.8	3.9	3.94	3.89	3.91	72	82	77		
September	797	59.3	55.2	57.2	49.9	65.1	38.1	17th	81.3	1st	3.6	1.5	2.5	3.96	3.91	3.94	78	90	84		
October	448	53.1	51.1	52.1	46.4	58.0	36.4	24th	65.8	1st	2.1	1.7	1.9	3.46	3.31	3.38	86	88	87		
November	813	44.0	43.1	43.6	39.0	49.8	29.9	20th	55.2	2, 9	1.5	1.4	1.5	2.54	2.47	2.51	88	89	88		
December	29.533	38.1	37.8	37.9	34.7	42.0	26.3	31st	52.0	9th	1.3	1.3	1.3	2.04	2.01	2.02	89	89	89		
Year	29.696	50.8	48.7	49.7	43.4	57.0	—	—	—	—	3.4	2.4	2.9	2.96	2.92	2.94	78.2	83.0	80.6		
30 Years, 1871-1900.	—	—	—	—	42.2	57.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

BERKHAMSTEAD, *a.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	Total.	Per Cent.	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	hrs. 46.3	% 18	6.3	6.3	6.3	ins. 2.526	ins. .681	4th	18	4	1	1	6	11	0	1	3	7	6	8	20	7	2	8
February	70.0	26	7.8	6.0	6.9	1.071	.238	24th	11	3	3	0	3	14	2	0	2	1	1	9	17	14	4	8
March	124.4	34	7.2	4.3	5.8	3.379	.658	23rd	19	4	3	3	3	6	1	0	0	1	5	21	16	8	5	6
April	133.1	32	6.6	5.5	6.0	1.905	.498	28th	14	3	4	0	4	13	0	6	5	1	2	7	5	12	14	8
May	157.1	33	6.5	5.4	6.0	2.133	.595	3rd	14	0	2	6	5	10	0	7	9	4	3	7	11	6	2	13
June	153.8	31	6.7	6.6	6.6	5.532	1.805	14th	10	0	0	2	3	12	0	7	16	6	4	2	2	5	5	13
July	158.3	32	7.3	5.8	6.6	3.208	.955	23rd	16	0	0	3	1	9	0	1	1	0	3	9	7	18	6	17
August	163.4	37	6.9	6.0	6.4	3.641	.747	11th	17	0	0	1	1	10	0	0	0	2	3	8	17	22	3	7
September	145.4	39	6.8	5.7	6.3	2.556	.682	10th	16	0	0	4	4	10	0	3	0	8	5	9	6	8	5	16
October	77.4	24	6.9	6.4	6.6	6.976	1.050	27th	27	0	0	1	3	13	0	0	0	0	9	14	16	12	5	6
November	51.6	20	8.4	6.2	7.3	2.257	1.284	27th	14	2	0	0	3	16	0	7	2	0	2	3	8	15	12	11
December	20.4	9	8.5	7.9	8.2	2.692	.598	10th	15	4	2	0	2	20	0	1	7	14	8	7	6	2	4	13
Year	1301.2	30	7.2	6.0	6.6	37.876	—	—	191	20	15	21	38	144	3	33	45	44	51	104	131	129	67	126
35 Years, 1866-1900.	—	—	—	—	—	29.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



## BRAMLEY (GUILDFORD)

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

1903.	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.			Vapour Pressure.			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.	°	°	°	°	°	°	—	°	—	°	°	°	in.	in.	in.	%	%	%		
February	29.983	43.6	43.1	43.4	37.5	52.5	20.2	18th	60.4	20th	1.8	1.9	1.9	2.48	2.43	2.46	86.1	85.3	85.7		
March	29.698	45.7	42.8	44.3	37.2	53.8	26.1	11th	63.9	25th	2.5	1.9	2.2	2.54	2.40	2.47	82.5	86.6	84.6		
April	29.724	45.8	42.5	44.2	35.2	52.7	23.5	19th	60.0	25th	3.9	2.3	3.1	2.28	2.30	2.29	72.9	82.2	77.6		
May	29.719	56.1	51.0	53.6	43.5	62.8	30.1	13th	78.0	30th	4.3	2.1	3.2	3.39	3.29	3.34	75.4	86.5	81.0		
June	29.862	58.7	53.6	56.2	46.6	65.6	36.7	22nd	82.6	28th	4.4	2.1	3.3	3.37	3.61	3.67	75.1	86.4	80.8		
July	29.780	63.3	58.6	61.0	51.7	70.1	40.8	14th	85.3	11th	4.8	2.4	3.6	4.33	4.23	4.28	74.5	85.2	79.9		
August	29.726	61.0	57.4	59.2	51.1	68.1	39.1	23rd	74.5	13th	4.1	2.5	3.3	4.10	4.00	4.05	77.0	84.5	80.8		
September	29.860	58.9	53.5	56.2	47.9	65.9	32.7	17th	81.6	1st	3.0	1.2	2.1	4.14	3.86	4.00	82.5	92.7	87.6		
October	29.501	53.0	50.8	51.9	45.3	58.8	31.4	24th	67.1	3rd	1.9	1.3	1.6	3.58	3.43	3.51	88.0	91.2	89.6		
November	29.890	43.9	41.3	42.6	36.9	50.5	27.5	25th	57.3	9th	1.3	1.0	1.2	2.64	2.45	2.55	89.9	92.2	91.1		
December	29.579	37.6	37.0	37.3	33.0	44.0	13.0	31st	56.3	10, 13	0.9	1.1	1.0	2.10	2.05	2.08	90.7	90.2	90.5		
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
— Years, 18—19—,	{	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

## WOOLACOMBE, a.

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

		ins.										Gravity Correction, +.016 in.									
January	-	29.861	43.7	43.8	43.8	40.7	47.3	23.8	14th	53.8	5th	2.0	1.8	1.9	in. .247	in. .252	in. .250	% 83.3	% 84.3	% 83.8	
February	-	30.059	47.0	46.4	46.7	43.1	50.2	36.4	2nd	56.4	19th	2.0	1.7	1.9	.278	.277	.278	85.3	86.9	86.1	
March	-	29.747	47.6	46.1	46.8	42.4	51.1	36.6	2nd	59.2	22nd	2.4	2.0	2.2	.275	.267	.271	82.6	85.0	83.8	
April	-	.854	47.0	45.9	46.5	42.1	50.9	33.8	18th	58.8	28th	3.1	2.9	3.0	.257	.250	.254	78.2	79.3	78.8	
May	-	.805	54.4	52.1	53.2	47.9	59.3	41.0	12th	71.6	22nd	4.0	2.8	3.4	.322	.322	.322	76.0	82.5	79.3	
June	-	.968	56.7	54.8	55.8	50.5	61.7	44.0	22nd	73.4	27th	4.2	3.3	3.8	.347	.342	.345	74.7	79.6	77.2	
July	-	.891	60.4	58.2	59.3	54.8	64.5	50.4	14th	75.6	2nd	3.4	2.2	2.8	.420	.420	.420	79.6	86.4	83.0	
August	-	.807	60.3	57.6	59.0	55.2	63.7	50.0	23rd	71.0	8th	3.1	2.0	2.6	.426	.416	.421	81.1	87.0	84.1	
September	-	.922	58.8	56.7	57.8	52.9	63.0	44.8	13th	68.4	20, 23	3.4	2.5	3.0	.396	.393	.395	79.0	84.0	81.5	
October	-	29.557	54.3	54.0	54.1	50.3	57.9	41.2	29th	63.4	6th	2.7	2.5	2.6	.352	.352	.352	82.6	83.7	83.2	
November	-	30.021	48.8	48.0	48.4	45.3	52.2	35.6	30th	57.6	2nd	2.5	2.5	2.5	.288	.280	.284	82.3	82.1	82.2	
December	-	29.623	43.0	42.2	42.6	38.7	45.8	26.8	31st	52.8	22nd	1.9	1.8	1.9	.241	.236	.239	84.5	84.5	84.5	
Year	-	29.843	51.8	50.5	51.2	47.0	55.6	—	—	—	—	2.9	2.3	2.6	.321	.317	.319	80.8	83.8	82.3	
— Years, 18—19—	}	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

## SOUTHAMPTON, a.

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

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## BRAMLEY (GUILDFORD).

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of										
	Total.	Per Cent.	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	hrs.	%	—	—	—	ins. 2.78	.73	4th	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
February	—	—	—	—	7.9	6.0	7.0	2.47	.73	27th	10	0	3	0	2	11	3	10	1	5	0	7	8	16	6	3
March	—	—	—	—	6.6	5.1	5.9	3.90	1.02	17th	21	0	3	0	4	10	2	6	3	8	6	10	8	9	7	5
April	—	—	—	—	6.0	4.7	5.4	2.60	.72	28th	13	3	3	0	7	11	1	21	4	4	2	7	4	6	9	3
May	—	—	—	—	6.2	5.5	5.9	3.59	.95	3rd	15	0	1	3	6	12	0	5	8	4	7	6	9	14	3	6
June	—	—	—	—	6.8	6.1	6.5	4.65	.84	11th	10	0	1	1	3	9	0	6	11	6	5	2	7	8	6	9
July	—	—	—	—	6.8	5.7	6.3	5.30	1.45	19th	14	0	0	2	3	10	0	9	1	0	2	8	14	9	10	9
August	—	—	—	—	7.0	5.8	6.4	5.53	1.80	24th	16	0	0	0	3	10	0	0	2	3	1	5	7	32	4	8
September	—	—	—	—	6.6	4.2	5.4	4.00	1.68	4th	12	0	2	2	4	7	2	6	0	6	3	10	13	5	4	13
October	—	—	—	—	7.6	6.7	7.2	8.91	1.95	11th	27	0	1	0	4	18	0	7	1	2	2	17	7	21	2	3
November	—	—	—	—	7.9	6.2	7.1	2.37	1.31	27th	13	1	0	0	1	14	0	14	7	5	3	4	5	3	9	10
December	—	—	—	—	8.5	6.3	7.4	3.21	.73	12th	10	0	0	0	3	16	0	7	6	13	11	6	4	3	6	6
Year	—	—	—	—	—	—	—	49.31	—	—	177	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
— Years, 18—19—.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## WOOLACOMBE, a.

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

January	hrs.	%				ins.	ins.																	
January	53'5	21	6'4	5'7	6'1	3'74	'79	4th	22	1	4	1	4	9	0	0	12	1	18	2	23	6	0	0
February	52'0	19	7'5	6'3	6'9	1'55	'55	24th	18	0	4	1	2	12	2	1	1	5	3	3	30	8	4	1
March	104'0	29	6'7	6'0	6'3	3'89	'46	6th	25	0	7	2	1	10	0	0	0	0	13	14	18	9	7	1
April	178'3	43	5'6	4'8	5'2	2'32	'72	25th	13	0	3	0	7	5	0	4	16	1	6	2	14	3	14	0
May	192'3	40	5'4	5'3	5'4	2'18	'61	16th	16	0	0	6	7	7	0	2	19	1	9	4	14	1	8	4
June	207'6	42	5'7	5'5	5'6	1'93	'90	14th	11	0	0	2	4	7	0	10	23	5	10	1	7	1	3	0
July	217'0	44	5'7	5'7	5'7	2'75	1'02	21st	17	0	0	0	4	8	0	0	1	3	6	7	17	14	12	2
August	164'1	37	6'8	5'4	6'1	3'54	'69	23rd	17	0	0	1	1	10	1	0	2	3	10	1	20	15	11	0
September	166'8	45	5'4	3'8	4'6	3'44	'68	1st	19	0	1	2	6	6	1	2	5	15	17	1	11	1	7	1
October	62'8	19	7'0	6'5	6'7	8'39	1'51	27th	30	0	3	0	0	10	1	0	1	13	10	17	11	10	0	0
November	81'3	31	6'2	5'3	5'8	2'01	'34	23rd	21	0	4	0	6	8	1	5	13	5	6	1	6	10	14	0
December	41'9	18	6'8	6'1	6'4	2'56	'46	12th	18	0	5	2	2	12	0	5	17	17	7	2	9	4	1	0
Year	1521'6	35	6'3	5'5	5'9	38'30	—	—	227	1	31	17	44	104	6	29	109	57	118	48	186	83	91	9
— Years, } 18—19—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



ST LEONARDS, *a.*

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

1903.	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.			Vapour Pressure.			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. 29.836	40.8	41.9	41.4	38.3	45.0	24.1	15th	51.9	5th	1.1	1.4	1.3	in. .232	in. .237	in. .235	% 92	% 90	% 91		
February	.996	43.9	43.5	43.7	40.5	47.9	32.0	2, 3	52.0	21st	1.7	1.7	1.7	.249	.246	.248	87	86	87		
March	.718	46.3	45.3	45.8	41.1	50.2	32.3	8th	57.9	25th	2.5	2.1	2.3	.258	.254	.256	83	84	84		
April	.702	45.0	43.0	44.0	38.4	49.4	29.5	18th	55.5	30th	3.6	2.7	3.2	.222	.221	.222	74	80	77		
May	.710	53.5	51.2	52.4	46.9	59.0	39.2	13th	77.2	31st	2.8	2.6	2.7	.334	.311	.323	81	83	82		
June	.835	56.6	53.7	55.2	49.4	61.8	39.0	13th	76.7	27th	4.2	2.8	3.5	.342	.337	.340	74	81	78		
July	.770	61.8	58.7	60.3	54.5	66.7	46.5	7th	76.5	2nd	4.0	2.7	3.4	.424	.411	.418	77	83	80		
August	.717	61.3	57.8	59.6	53.7	65.1	47.0	26th	70.9	8th	3.7	2.1	2.9	.424	.415	.420	78	86	82		
September	.851	59.4	56.0	57.7	52.1	63.6	40.8	12th	75.1	2nd	3.2	1.6	2.4	.408	.402	.405	81	89	85		
October	.515	54.4	53.1	53.8	49.0	58.2	37.9	24th	63.9	3rd	2.4	2.2	2.3	.356	.344	.350	84	84	84		
November	.869	45.2	44.3	44.8	40.7	50.3	32.2	30th	56.4	1st	1.5	1.6	1.6	.266	.256	.261	89	88	89		
December	29.581	39.5	39.0	39.3	35.9	43.0	22.5	31st	50.2	9, 14	1.6	1.6	1.6	.211	.207	.209	87	87	87		
Year	29.758	50.6	49.0	49.8	45.0	55.0	—	—	—	—	2.7	2.1	2.4	.311	.303	.307	82.3	85.1	83.7		
30 Years, } 1871-1900. }	—	—	—	—	44.4	55.1	11.8*	Jan. '94	86.6*	July '85	—	—	—	—	—	—	—	—	—		

EASTBOURNE, *a.*

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

		Air Temperature.										Humidity.												
		9 a.m.		9 p.m.		Mean.		Means of				Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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	-	29.974	42.6	42.9	42.8	39.4	46.1	24.0	15th	53.6	5th	1.3	1.0	1.2	2.50	2.50	2.55	87.9	91.4	89.7				
February	-	30.133	45.2	45.1	45.2	41.9	48.8	32.0	2nd	54.2	21st	2.2	2.2	2.2	2.54	2.54	2.54	83.8	84.1	84.0				
March	-	29.892	47.1	46.0	46.6	42.2	51.0	33.5	11th	58.6	25th	2.3	2.2	2.3	2.72	2.64	2.68	84.2	84.8	84.5				
April	-	.851	45.8	44.3	45.1	39.6	50.3	30.2	18th	54.0	8th	3.6	2.6	3.1	2.35	2.39	2.37	75.2	80.5	77.9				
May	-	.851	54.1	52.1	53.1	47.2	58.1	38.0	13th	72.0	31st	2.9	2.5	2.7	3.46	3.29	3.38	81.8	83.4	82.6				
June	-	.984	57.0	55.0	56.0	49.7	60.9	42.0	13th	72.0	1, 28	3.9	2.7	3.3	3.63	3.58	3.61	76.6	82.4	79.5				
July	-	.907	62.3	60.3	61.3	55.8	66.6	48.5	7th	76.6	11th	3.7	2.8	3.3	4.40	4.39	4.40	78.4	83.6	81.0				
August	-	.858	61.5	59.4	60.5	55.4	64.7	48.0	23rd	68.6	8th	3.4	2.1	2.8	4.38	4.41	4.40	80.3	86.8	83.6				
September	-	.988	59.4	57.5	58.5	53.5	63.1	44.1	17th	75.2	2nd	2.7	2.1	2.4	4.30	4.17	4.24	83.2	86.4	84.8				
October	-	29.655	55.7	54.9	55.3	51.1	49.0	42.0	24th	64.0	3rd	2.5	2.2	2.4	3.78	3.75	3.77	84.1	85.7	84.9				
November	-	30.013	47.2	46.4	46.8	42.9	51.4	33.2	30th	57.0	1st	1.9	1.9	1.9	2.85	2.76	2.81	85.7	86.2	86.0				
December	-	29.723	41.2	40.8	41.0	36.6	44.5	23.7	31st	53.0	9th	1.9	1.5	1.7	2.23	2.30	2.27	84.6	88.1	86.4				
Year	-	29.902	51.6	50.4	51.0	46.3	55.4	—	—	—	—	2.7	2.2	2.5	3.26	3.24	3.25	82.2	85.3	83.8				
30 Years, } 1871-1900. }		—	—	—	—	44.2	56.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

PARKSTONE (BOURNEMOUTH), *c.*

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

		Air Temperature.										Humidity.												
		9 a.m.		9 p.m.		Mean.		Means of				Absolute Min. and Max.				Dep. of Wet-Bulb.			Vapour Pressure.			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. 29.778	40.8	42.6	41.7	37.9	45.8	20.8	15th	52.7	5th	0.9	1.4	1.2	2.41	2.50	2.46	89.9	87.2	88.6					
February	.966	44.4	44.1	44.3	40.4	49.7	30.3	2nd	53.9	19, 20	1.5	1.4	1.5	2.63	2.63	2.63	88.5	89.2	88.9					
March	.666	46.6	44.0	45.3	39.4	52.5	31.0	6th	59.7	25th	2.4	1.8	2.1	2.65	2.51	2.58	83.4	86.7	85.1					
April	.708	46.8	43.2	45.0	37.0	53.5	28.2	17, 18	58.9	8th	4.1	2.6	3.4	2.36	2.32	2.34	72.6	80.7	76.7					
May	.679	55.5	51.3	53.4	45.3	62.9	36.3	13th	79.0	31st	4.2	2.1	3.2	3.33	3.29	3.31	75.6	86.5	81.1					
June	.823	57.5	53.3	55.4	47.8	65.6	40.4	4th	81.9	1st	4.4	2.3	3.4	3.56	3.49	3.53	74.5	85.4	80.0					
July	.758	62.4	57.9	60.2	52.5	69.6	43.8	7th	81.5	10th	4.8	2.1	3.5	4.17	4.23	4.20	74.1	87.6	80.9					
August	.696	60.4	56.2	58.3	51.5	67.4	45.8	22nd	72.6	8th	3.4	1.5	2.5	4.20	4.11	4.16	80.1	90.4	85.3					
September	.818	58.3	54.5	56.4	49.6	65.0	39.0	15th	77.8	1st	2.4	1.4	1.9	4.23	3.93	4.08	85.5	90.9	88.2					
October	.471	53.3	51.7	52.5	47.4	58.7	36.3	31st	67.3	1st	1.4	1.0	1.2	3.74	3.61	3.68	90.8	92.8	91.8					
November	.877	44.7	43.1	43.9	38.9	50.4	28.7	20th	55.4	3rd	1.3	1.3	1.3	2.72	2.55	2.64	90.1	89.7	89.9					
December	29.528	39.1	38.6	38.9	35.3	43.0	22.4	31st	51.4	9th	0.8	0.9	0.9	2.26	2.20	2.23	91.0	91.2	91.1					
Year	29.731	50.8	48.4	49.6	43.6	57.0	—	—	—	—	2.6	1.7	2.2	3.19	3.11	3.15	83.0	88.2	85.6					
15 Years, 1886-1900.	—	—	—	—	42.3	57.1	12.6	Feb. '95	87.9	June '93	—	—	—	—	—	—	—	—	—	—	—	—	—	

\* The extremes of temperature are for 25 years, 1876-1900.

ST. LEONARDS, *a.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of									
	Total.	Per Cent.	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	hrs. 63.8	% 25	7.0	6.1	6.6	ins. 2.76	ins. .71	4th	22	3	0	0	4	14	7	1	6	6	9	8	15	15	1	1		
February	62.2	23	7.4	4.8	6.1	1.71	1.10	27th	14	0	3	0	6	12	11	1	3	2	1	8	16	19	5	1		
March	142.5	39	6.6	4.5	5.6	1.86	.35	17th	20	0	1	1	5	8	7	2	0	0	6	15	20	12	4	3		
April	159.9	39	6.0	5.5	5.8	1.80	.77	26th	12	3	2	0	6	11	0	13	5	6	2	3	7	10	13	1		
May	251.7	53	5.8	4.5	5.2	2.01	.56	30th	13	0	1	3	6	7	2	3	11	9	5	7	13	4	1	9		
June	215.3	44	6.2	5.9	6.1	2.81	.88	13th	10	0	0	3	4	8	4	3	21	10	6	4	5	4	2	5		
July	218.6	45	6.7	5.8	6.3	5.20	1.93	23rd	15	0	0	3	3	10	0	5	1	1	4	7	21	9	11	3		
August	196.7	44	6.6	5.3	6.0	2.43	.49	14th	17	0	0	3	3	10	6	1	0	1	2	6	23	21	6	2		
September	169.8	45	5.3	3.8	4.6	2.95	.59	4th	15	0	0	4	6	4	5	7	4	8	9	4	9	8	6	5		
October	88.2	27	7.5	5.5	6.5	4.26	.46	11th	28	0	1	3	3	12	9	1	0	0	3	14	19	17	5	3		
November	72.9	28	7.0	5.3	6.2	2.48	1.05	27th	15	1	0	0	4	9	2	9	5	6	2	4	8	13	12	1		
December	26.1	11	8.2	6.4	7.3	2.03	.39	11th	15	0	3	0	3	17	8	8	3	16	12	7	8	5	2	1		
Year	1667.7	38	6.7	5.3	6.0	32.30	—	—	196	7	11	20	53	122	61	54	59	65	61	87	164	137	68	35		
35 Years, } 1866-1900. }	1780.8*	40*	—	—	—	29.22	—	—	184†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		



## ROUSDON, c.

Long. 3° 0' W. Lat. 50° 43' N. Height above Mean Sea Level, 515 feet. Gravity Correction, +015 in.

1903.	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.			Vapour Pressure.			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. 29.410	40.8	41.9	41.4	38.1	45.1	21.9	15th	51.3	5th	0.6	0.8	0.7	in. 2.41	2.48	2.45	95	93	94		
February	599	43.9	43.7	43.8	40.2	48.3	31.5	2nd	53.8	9th	0.8	0.6	0.7	2.69	2.71	2.70	94	95	95		
March	296	44.7	43.5	44.1	39.5	49.7	33.4	6th	56.1	31st	1.3	1.2	1.3	2.65	2.56	2.60	90	90	90		
April	360	44.7	42.4	43.5	37.5	50.4	27.3	17th	56.1	9th	2.4	2.1	2.2	2.42	2.26	2.34	82	83	82		
May	328	51.7	49.8	50.8	44.6	57.3	37.1	13th	74.0	31st	2.2	1.4	1.8	3.27	3.22	3.25	85	90	88		
June	477	54.5	52.5	53.5	47.5	60.7	41.9	4th	74.3	1st	2.4	1.4	1.9	3.58	3.57	3.57	84	90	87		
July	417	59.4	56.4	57.9	51.9	64.5	44.0	7th	75.5	9th	2.8	1.3	2.1	4.19	4.16	4.18	83	91	87		
August	350	58.1	54.9	56.5	51.7	62.9	45.4	22nd	67.8	4th	2.5	1.3	1.9	4.07	3.93	4.00	84	91	87		
September	465	55.9	54.1	55.0	49.8	60.8	39.6	13, 15	71.1	1st	1.6	1.4	1.5	4.00	3.78	3.89	89	90	90		
October	115	52.3	51.0	51.6	47.0	56.6	38.3	29th	63.7	3rd	1.6	1.1	1.3	3.49	3.45	3.47	89	92	90		
November	529	44.7	43.8	44.3	39.9	50.3	28.3	30th	55.8	1st	1.3	1.4	1.4	2.65	2.54	2.59	90	89	90		
December	29.157	39.5	38.9	39.2	35.4	43.6	23.4	31st	51.0	7th	0.8	0.8	0.8	2.26	2.20	2.23	93	93	93		
Year	29.375	49.2	47.7	48.5	43.6	54.2	—	—	—	—	1.7	1.2	1.5	3.14	3.07	3.11	88.2	90.6	89.4		
15 Years, 1886-1900.	—	—	—	—	42.9	54.3	13.6	Jan. '94	82.9	Aug. '87	—	—	—	—	—	—	—	—	—	—	—

## WHITCHURCH.

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

1903.	ins.	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.	9 a.m.	9 p.m.	Mean.
January	29.305	41.1	41.2	41.2	37.6	44.8	22.2	14th	52.6	4th	1.3	1.2	1.3	in. 2.30	2.33	2.32	89	90	90		
February	512	43.8	43.0	43.4	39.6	48.0	31.9	3rd	53.1	19th	1.2	1.0	1.1	2.59	2.55	2.57	91	92	91		
March	203	44.6	42.4	43.5	38.2	48.8	32.1	4th	55.8	22, 25	1.4	1.2	1.3	2.62	2.45	2.53	89	90	90		
April	276	46.2	41.2	43.7	37.3	51.1	27.3	17th	59.5	9th	3.1	1.6	2.3	2.43	2.25	2.34	78	87	82		
May	232	54.3	49.4	51.8	44.8	59.1	36.2	12th	75.2	31st	3.7	1.8	2.8	3.23	3.06	3.15	77	87	82		
June	388	57.0	52.1	54.6	47.7	62.6	41.1	14, 22	74.5	27th	4.1	2.4	3.2	3.49	3.27	3.38	75	84	80		
July	336	60.2	56.1	58.1	51.6	66.2	43.3	14th	79.1	11th	3.3	1.7	2.5	4.18	4.00	4.09	80	89	84		
August	266	58.1	53.9	56.0	50.7	62.5	43.8	22nd	68.5	8th	2.2	1.1	1.7	4.16	3.84	4.00	86	92	89		
September	367	56.2	53.1	54.7	49.7	61.0	38.7	14th	69.6	1st	2.0	1.3	1.6	3.93	3.67	3.80	87	91	89		
October	027	51.1	49.6	50.3	45.5	55.1	35.0	28th	60.6	3rd	0.9	0.7	0.8	3.52	3.38	3.45	94	95	95		
November	448	44.8	43.4	44.1	40.1	49.2	26.4	30th	55.4	2nd	1.1	1.1	1.1	2.71	2.57	2.64	91	91	91		
December	29.045	39.2	38.7	39.0	35.4	42.9	25.2	30th	50.8	9th	1.1	1.0	1.1	2.18	2.15	2.16	91	91	91		
Year	29.284	49.7	47.0	48.4	43.2	54.3	—	—	—	—	2.1	1.3	1.7	3.11	2.96	3.04	85.7	89.9	87.8		
— Years, 18—19—.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## PLYMOUTH, a.

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

1903.	ins.	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.	9 a.m.	9 p.m.	Mean.
January	29.834	44.3	45.1	44.7	41.0	47.7	28.0	13, 14	55.4	6th	1.0	1.4	1.2	in. 2.75	2.74	2.75	92.2	88.1	90.2		
February	30.039	46.6	46.2	46.4	42.2	50.1	34.0	3, 14	53.1	12th	1.6	1.4	1.5	2.84	2.83	2.84	88.0	89.4	88.7		
March	29.731	47.3	46.3	46.8	41.2	51.4	31.0	1st	57.0	25th	2.1	1.9	2.0	2.80	2.74	2.77	85.1	86.5	85.8		
April	802	48.2	45.3	46.8	40.3	52.4	32.0	17th	57.2	11th	3.8	2.7	3.3	2.57	2.49	2.53	74.6	80.9	77.8		
May	750	55.7	52.6	54.2	47.1	59.9	37.9	13th	72.4	31st	4.3	2.4	3.4	3.32	3.36	3.34	74.7	84.2	79.5		
June	905	57.7	55.4	56.6	50.0	62.9	41.8	22nd	72.4	1st	4.4	3.3	3.9	3.59	3.51	3.55	74.7	79.9	77.3		
July	849	61.5	59.2	60.4	53.8	66.0	46.3	14th	76.7	9th	3.3	2.2	2.8	4.43	4.38	4.41	81.3	87.0	84.2		
August	783	60.7	57.5	59.1	53.1	64.1	43.3	22, 23	67.8	1st	3.1	1.5	2.3	4.35	4.30	4.33	82.2	90.3	86.3		
September	885	58.8	56.5	57.7	51.9	62.4	42.0	10th	66.9	26th	2.8	1.7	2.3	4.16	4.13	4.15	83.1	89.0	86.1		
October	543	54.6	53.5	54.1	49.5	58.1	38.3	29th	63.9	3rd	1.9	1.6	1.8	3.77	3.69	3.73	87.0	89.0	88.0		
November	979	47.9	47.0	47.5	43.4	52.1	29.9	30th	57.9	8th	1.9	1.9	1.9	2.94	2.83	2.89	86.6	85.8	86.2		
December	29.570	42.8	42.2	42.5	37.9	46.3	24.0	3rd	52.6	9th	1.3	1.1	1.2	2.53	2.50	2.52	89.7	90.7	90.2		
Year	29.806	52.2	50.6	51.4	46.0	56.1	—	—	—	—	2.6	1.9	2.3	3.34	3.29	3.32	83.3	86.7	85.0		
30 Years, 1871-1900.	—	—	—	—	45.1	56.8	17.0	Jan. '81	85.0	June '87	—	—	—	—	—	—	—	—	—	—	—

## ROUSDON, c.

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of								Wind, No. of Observations of								
	Total.	Per Cent.	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	hrs. 68.6	% 27	6.8	7.0	6.9	ins. 3.39	ins. .75	4th	17	1	0	0	4	16	4	6	4	9	4	3	18	11	7	0	
February	61.3	22	8.1	6.1	7.1	1.61	.38	27th	14	4	3	0	3	16	5	2	1	1	1	5	17	19	9	1	
March	115.3	32	7.3	6.4	6.9	3.62	.46	6th	23	1	4	0	2	13	5	2	0	2	1	8	22	17	10	0	
April	161.3	39	6.6	5.3	5.9	3.22	1.23	25th	12	4	0	0	3	11	0	14	4	3	1	2	9	7	17	3	
May	209.8	44	6.4	5.5	6.0	2.42	.81	2nd	15	0	0	5	5	10	0	10	6	10	4	2	9	9	7	5	
June	223.3	46	6.6	5.4	6.0	1.98	.55	19th	12	0	0	3	5	12	0	16	11	9	4	6	0	0	8	6	
July	217.9	45	6.5	5.4	5.9	2.90	.87	25th	16	0	0	3	6	11	1	4	1	1	1	6	9	6	22	12	
August	194.4	44	6.9	5.9	6.4	4.28	.74	13th	18	0	0	0	3	11	2	5	1	3	0	3	16	11	21	2	
September	130.8	35	6.8	5.9	6.4	4.48	.95	24th	15	0	0	3	4	10	2	10	2	8	7	3	11	4	10	5	
October	99.2	30	7.1	6.9	7.0	6.13	.59	11th	30	0	1	3	5	19	4	1	1	1	1	7	20	23	7	1	
November	97.6	37	6.7	6.0	6.3	1.51	.47	2, 27	15	0	1	0	4	11	2	10	3	5	1	2	5	12	21	1	
December	46.4	19	8.2	7.3	7.8	3.76	1.31	12th	19	0	2	0	2	19	4	6	8	14	6	4	6	11	2	5	
Year	1625.9	37	7.0	6.1	6.6	39.30	—	—	206	10	11	17	46	159	29	86	42	66	31	51	142	130	141	41	
— Years, } 18—19—. }	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	



FALMOUTH, *a.*

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

1903.	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.			Vapour Pressure.			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	29.759	44.7	45.0	44.9	41.7	47.9	29.0	14th	54.0	4.5	2.0	2.0	2.0	in.	in.	in.	%	%	%
February	.978	46.6	46.5	46.6	43.7	49.9	35.9	1st	55.0	19th	2.0	1.8	1.9	.251	.253	.252	86	85	86
March	.667	47.2	45.5	46.4	42.0	50.7	37.7	1st	56.9	22nd	2.5	1.9	2.2	.266	.261	.264	86	87	87
April	.754	48.1	45.0	46.6	41.9	51.3	33.8	18th	57.0	29th	3.7	2.6	3.2	.250	.241	.246	74	81	78
May	.693	54.8	51.5	53.2	47.9	58.2	40.4	12th	66.7	26th	4.0	2.2	3.1	.323	.324	.324	76	85	81
June	.853	56.6	53.8	55.2	50.8	60.5	45.9	4th	68.2	5th	3.7	2.2	3.0	.355	.353	.354	77	85	81
July	.796	61.6	58.3	60.0	54.8	65.6	49.9	14th	73.9	9th	3.7	2.3	3.0	.429	.417	.423	79	85	82
August	.726	59.9	56.2	58.1	53.6	63.4	48.7	22nd	68.0	8th	3.0	1.4	2.2	.422	.410	.416	82	91	87
September	.817	57.2	55.6	56.4	52.5	60.6	44.0	15th	67.1	1st	2.4	1.7	2.1	.397	.394	.396	85	88	87
October	.484	53.5	52.4	53.0	49.4	56.8	41.4	28th	61.2	6th	2.2	1.9	2.1	.348	.343	.346	85	88	87
November	.931	48.2	47.6	47.9	44.8	51.5	33.5	30th	57.1	2nd	2.6	2.5	2.6	.274	.270	.272	82	83	83
December	29.498	43.7	43.3	43.5	39.8	46.7	30.2	2nd	52.2	9, 22	2.0	2.0	2.0	.242	.237	.240	85	84	85
Year	29.746	51.8	50.1	51.0	46.9	55.3	—	—	—	—	2.8	2.0	2.4	.319	.315	.317	81.7	85.7	83.7
30 Years, 1871-1900.	29.769	51.5	49.9	50.7	46.7	55.2	19.1	Jan. '94	80.1	June '93	—	—	—	—	—	—	—	—	—

LISSAN, *c, d.*

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

January	ins. 29.488	37.5	37.1	37.3	33.1	42.2	19.0	12th	52.0	25th	0.8	0.7	0.8	in. 20.9	in. 20.7	in. 20.6	93	94	94
February	29.590	43.1	42.1	42.6	38.2	48.9	27.0	27th	55.0	19th	1.4	0.8	1.1	2.48	2.51	2.49	89	93	91
March	29.294	42.0	39.7	40.8	35.8	47.7	29.0	23rd	55.0	21st	2.4	1.4	1.9	2.18	2.16	2.17	82	88	85
April	29.622	44.2	41.8	43.0	36.4	49.8	28.0	13th	56.0	8th	2.1	1.4	1.8	2.44	2.36	2.40	84	89	86
May	29.607	52.6	49.1	50.8	43.0	57.5	33.0	18th	72.0	26th	3.9	2.8	3.3	2.97	2.82	2.90	75	80	78
June	29.807	56.4	52.9	54.6	47.2	62.5	38.0	20th	71.0	4th	4.3	3.0	3.6	3.38	3.23	3.30	74	80	77
July	29.626	58.3	55.2	56.8	48.7	64.2	43.0	18th	70.0	15th	3.6	1.2	2.4	3.81	4.01	3.91	78	92	80
August	29.470	56.7	53.7	55.2	47.3	62.4	38.0	21st	67.0	25th	3.2	1.8	2.5	3.68	3.62	3.65	80	88	84
September	29.664	54.4	52.3	53.4	46.3	60.4	33.0	14th	66.0	20th	2.6	1.8	2.2	3.51	3.44	3.48	83	88	85
October	29.205	48.3	45.9	47.1	41.8	53.3	32.0	26th	61.0	1st	1.5	1.4	1.5	3.01	2.78	2.90	90	91	90
November	29.742	42.6	42.5	42.6	36.3	48.7	26.0	30th	57.0	13th	0.8	1.0	0.9	2.56	2.50	2.53	93	92	92
December	29.400	38.0	38.3	38.2	33.4	42.0	22.0	1st	51.0	21st	0.6	0.3	0.5	2.16	2.25	2.20	95	98	96
Year	29.543	47.8	45.9	46.9	40.6	53.3	—	—	—	—	2.3	1.5	1.9	2.86	2.81	2.83	84.7	89.4	87.1
13 Years, 1886-1898.	—	47.4	45.9	46.6	39.8	53.8	—	—	—	—	2.3	1.7	2.0	2.72	2.71	2.71	84	89	86

ARMAGH, *a.*

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

January	ins. 29.543	38.5	37.5	38.0	34.3	43.7	20.0	13th	53.3	26th	0.9	1.2	1.1	in. 22.0	in. 20.5	in. 21.3	91.9	89.4	90.7
February	29.654	44.0	43.2	43.6	39.6	50.3	29.4	28th	56.2	19th	1.5	1.9	1.7	2.59	2.46	2.53	89.0	85.3	87.2
March	29.370	42.1	40.5	41.3	36.4	49.4	30.0	14th	56.3	22nd	1.7	2.2	2.0	2.35	2.11	2.23	87.1	82.6	84.9
April	29.671	44.9	41.7	43.3	37.3	50.9	27.8	18th	58.0	8th	2.8	2.4	2.6	2.41	2.20	2.31	80.3	81.9	81.1
May	29.643	52.3	48.5	50.4	43.4	58.3	34.5	19th	70.3	25th	3.8	3.5	3.7	2.99	2.65	2.82	76.7	77.7	77.2
June	29.862	55.7	52.1	53.9	46.5	62.3	37.0	19th	70.5	4th	3.9	3.7	3.8	3.42	3.03	3.23	76.2	76.8	76.5
July	29.669	58.3	55.1	56.7	50.8	65.0	42.8	7th	76.0	9th	3.5	2.8	3.2	3.88	3.59	3.74	79.5	82.4	81.0
August	29.514	56.6	53.0	54.8	49.0	63.2	42.3	23rd	67.0	8th	3.3	3.0	3.2	3.68	3.26	3.47	80.4	80.7	80.6
September	29.699	55.1	51.5	53.3	47.9	60.9	34.9	16th	66.5	24th	3.0	2.9	3.0	3.54	3.13	3.34	81.3	81.4	81.4
October	29.242	48.2	46.5	47.4	44.0	54.4	33.7	29th	62.1	1st	1.6	2.0	1.8	3.01	2.75	2.88	88.8	85.7	87.3
November	29.791	42.7	41.0	41.9	37.7	48.8	25.0	30th	55.7	4th	1.0	1.3	1.2	2.59	2.34	2.47	92.6	89.4	91.0
December	29.421	38.2	38.1	38.2	34.6	42.8	24.0	2nd	51.7	22nd	0.8	1.2	1.0	2.17	2.09	2.13	92.7	89.7	91.2
Year	29.590	48.1	45.7	46.9	41.8	54.2	—	—	—	—	2.3	2.3	2.3	2.90	2.64	2.77	84.7	83.6	84.2
30 Years, 1871-1900.	—	—	—	—	41.4	53.8	4.9	Feb. '95	84.3	July '76	—	—	—	—	—	—	—	—	—

FALMOUTH, *a.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of									
	Total.		9 a.m.			Total.			Rain.							N. N.E. E. S.E. S. S.W. W. N.W. Calm.									
	hrs.		Per Cent.			ins.			ins.																
	Total.		9 a.m.			Total.			Total.																
January	53.9	21	7.3	5.9	6.6	ins. 5.690	ins. 1.400	4th	24	0	0	0	1	14	4	5	4	3	7	9	23	7	2	2	2
February	61.1	22	7.6	7.3	7.5	2.225	4.10	25th	18	0	3	1	2	15	7	2	1	0	2	11	22	10	4	4	4
March	119.7	33	6.9	6.8	6.9	5.540	7.40	1st	28	0	4	1	1	10	9	4	0	0	0	15	20	12	9	2	2
April	171.7	42	6.3	4.0	5.2	1.950	6.15	30th	13	0	0	0	2	6	0	15	6	1	1	5	7	7	11	7	7
May	218.8	46	5.8	4.5	5.2	2.435	7.75	2nd	16	0	0	1	6	8	0	11	4	4	6	8	9	4	7	9	9
June	205.8	42	6.5	5.3	5.9	1.915	4.15	14th	13	0	0	1	1	10	0	16	6	6	9	3	0	2	4	14	14
July	238.2	49	6.1	2.9	4.5	4.760	9.35	27th	19	0	0	1	3	4	0	7	1	0	3	6	12	12	11	10	10
August	199.2	45	6.6	5.0	5.8	4.565	9.30	23rd	24	0	0	0	1	6	2	1	0	1	4	5	18	17	9	7	7
September	165.0	44	6.5	5.2	5.9	3.935	9.00	24th	16	0	0	1	3	8	1	4	1	6	7	10	10	4	6	12	12
October	94.8	29	7.4	5.8	6.6	9.210	1.170	26th	30	0	1	1	0	10	2	2	1	0	1	12	23	14	8	1	1
November	87.7	33	5.9	6.2	6.1	3.415	6.90	26th	19	1	2	0	5	10	3	12	3	3	3	5	5	11	12	6	6
December	55.1	23	7.5	7.8	7.7	8.465	1.480	12th	21	1	4	1	2	20	1	9	6	8	8	6	7	9	2	7	7
Year	1671.0	38	6.7	5.6	6.2	54.105	—	—	241	2	14	8	27	121	29	88	33	32	51	95	156	109	85	81	8



MARKREE CASTLE (SLIGO), *a, b.*

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

1903.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Day.	Dep. of Wet-Bulb.			Vapour Pressure.			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. 29.630	38.6	38.5	38.6	34.5	43.6	18.6	12th	53.3	26th	1.5	1.4	1.5	in. 2.08	in. 2.09	in. 2.09	% 86.4	% 86.5	% 86.5
February	.741	44.2	43.9	44.1	39.7	49.7	28.3	28th	55.7	7th	1.6	1.5	1.6	2.60	2.58	2.59	88.1	88.1	88.1
March	.452	42.8	40.7	41.8	35.5	49.3	27.4	14th	55.2	21st	2.1	1.4	1.8	2.32	2.29	2.31	84.2	89.1	86.7
April	.763	46.1	42.4	44.3	37.0	51.3	25.6	22nd	57.8	30th	3.2	2.0	2.6	2.44	2.33	2.39	77.6	84.6	81.1
May	.718	52.6	49.1	50.9	43.1	58.5	34.0	18th	73.8	27th	3.3	2.3	2.8	3.15	2.95	3.05	79.8	84.0	81.9
June	.936	57.8	52.9	55.4	47.0	63.0	33.5	20th	74.7	7th	4.6	2.7	3.7	3.54	3.35	3.45	73.4	82.3	77.9
July	.759	59.4	54.4	56.9	49.6	64.6	39.7	7th	75.4	9th	4.0	1.7	2.8	3.90	3.85	3.80	76.4	88.9	82.7
August	.603	57.1	53.2	55.2	48.0	62.0	36.5	22nd	67.8	14th	3.3	1.5	2.4	3.74	3.66	3.70	80.1	89.9	85.0
September	.747	56.2	52.5	54.4	48.7	60.9	33.5	14th	66.3	22nd	3.4	1.8	2.6	3.59	3.52	3.56	79.4	88.1	83.8
October	.313	49.5	46.2	47.9	42.2	54.6	23.5	28th	61.4	7th	2.1	1.4	1.8	3.05	2.89	2.97	85.3	89.9	87.6
November	.896	44.6	42.9	43.8	37.2	49.7	23.5	29th	55.6	4th	1.4	1.1	1.3	2.69	2.56	2.63	89.9	91.3	90.6
December	29.486	37.8	37.3	37.6	32.9	43.0	18.3	2nd	52.9	21st	1.1	1.0	1.1	2.11	2.07	2.09	90.4	89.9	90.2
Year	29.670	48.9	46.2	47.6	41.3	54.2	—	—	—	—	2.6	1.6	2.1	2.93	2.84	2.89	82.6	87.7	85.2
15 Years, 1876-1890.	29.735	48.1	46.0	47.1	40.4	54.1	—2.3	Jan. '81	85.2	July '76	2.3	1.5	1.9	2.95	2.86	2.91	84.6	88.7	86.7

GLASNEVIN (BOTANIC GARDENS), *a.*

Long. 6° 16' W. Lat. 53° 23' N. Height above Mean Sea Level, 67 feet, till Nov. 30th, then 54 feet. Gravity Correction, +.022 in.

1903.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Day.	Dep. of Wet-Bulb.			Vapour Pressure.			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. 29.730	40.9	41.5	41.2	36.2	46.2	21.2	13th	55.3	26th	1.4	1.8	1.6	in. 2.31	in. 2.30	in. 2.31	% 88.1	% 86.5	% 87.3
February	.870	46.1	45.9	46.0	40.7	51.2	25.0	28th	58.0	8th	1.9	1.6	1.8	2.70	2.78	2.74	86.7	88.0	87.4
March	.556	45.3	44.1	44.7	38.1	51.7	31.0	10th	57.0	11th	2.2	1.8	2.0	2.58	2.55	2.57	84.7	86.9	85.8
April	.829	46.7	43.1	44.9	36.6	51.2	27.0	17, 18	59.8	6th	2.4	1.7	2.1	2.71	2.47	2.59	83.6	87.7	85.7
May	29.798	53.1	49.5	51.3	43.4	57.2	36.0	8th	67.9	31st	3.3	1.8	2.6	3.21	3.12	3.17	79.6	87.9	83.8
June	30.012	56.4	53.5	55.0	46.6	61.3	38.0	3, 21	72.5	28th	3.5	2.0	2.8	3.62	3.61	3.62	79.4	86.5	83.0
July	29.836	59.5	56.9	58.2	51.2	65.8	40.0	7th	79.9	9th	3.6	1.9	2.8	4.03	4.08	4.06	78.8	87.9	83.4
August	.701	58.7	55.2	57.0	49.3	64.1	41.0	13th	70.5	30th	3.2	1.6	2.4	4.00	3.91	3.96	81.1	89.5	85.3
September	.873	56.9	53.3	55.1	47.8	61.4	32.8	16th	68.7	24th	2.8	1.3	2.1	3.85	3.77	3.81	82.7	91.4	87.1
October	.428	51.3	48.8	50.1	43.8	56.4	30.0	28th	63.8	4th	2.2	1.7	2.0	3.25	3.11	3.18	84.8	88.5	86.7
November	.975	43.9	42.7	43.3	37.3	50.6	26.0	30th	58.5	5th	1.2	1.2	1.2	2.68	2.55	2.62	91.4	90.6	91.0
December	29.577	39.2	40.4	39.8	34.7	44.8	22.0	30th	55.8	22nd	1.3	1.5	1.4	2.24	2.22	2.23	88.5	88.4	88.5
Year	29.765	49.8	47.9	48.9	42.1	55.2	—	—	—	—	2.4	1.7	2.1	3.09	3.04	3.07	84.1	88.3	86.2
20 Years, 1881-1900.	—	—	—	—	41.4	55.6	8.8	Jan. '81	80.6	Aug. '87	—	—	—	—	—	—	—	—	—

DUBLIN (PHENIX PARK), *a.*

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

1903.	Mean Pressure at 32° Fahr.	Air Temperature.									Humidity.								
		9 a.m.	9 p.m.	Mean.	Means of		Absolute Min. and Max.			Day.	Dep. of Wet-Bulb.			Vapour Pressure.			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	39.8	40.1	40.0	34.9	45.3	20.6	13th	54.2	25, 26	1.5	1.5	1.5	in. 2.20	in. 2.21	in. 2.21	% 86.7	% 87.6	% 87.2
February	.783	44.9	45.1	45.0	40.0	50.7	25.3	28th	57.3	19th	2.0	1.9	2.0	2.59	2.62	2.61	85.6	85.7	85.7
March	.472	43.6	43.2	43.4	37.2	50.1	31.3	10th	56.2	22nd	2.0	2.0	2.0	2.44	2.39	2.42	85.8	85.4	85.6
April	.744	45.3	41.9	43.6	35.9	50.4	24.9	18th	59.1	6th	3.1	2.1	2.6	2.41	2.26	2.34	78.4	83.6	81.0
May	.705	51.7	48.5	50.1	42.4	56.9	35.1	8th	66.4	28th	3.1	1.8	2.5	3.09	3.00	3.05	80.3	87.7	84.0
June	.910	55.2	52.1	53.7	45.3	61.0	35.2	3rd	71.7	28th	3.4	1.9	2.7	3.48	3.45	3.47	79.3	87.4	83.4
July	.742	58.0	55.8	56.9	50.0	63.2	39.3	7th	78.6	9th	3.1	1.7	2.4	3.96	3.99	3.98	81.5	89.0	85.3
August	.607	57.7	54.3	56.0	46.6	63.2	38.3	7, 13	70.1	30th	3.8	1.9	2.9	3.70	3.72	3.71	77.5	87.9	82.7
September	.777	56.2	52.1	54.2	45.2	60.7	28.9	16th	66.8	24th	3.5	1.7	2.6	3.56	3.51	3.54	78.3	88.9	83.6
October	.342	50.0	48.1	49.1	43.5	55.8	29.4	28th	63.8	6th	2.5	1.7	2.1	3.03	2.99	3.01	83.4	87.7	85.6
November	.889	43.2	42.1	42.7	36.7	49.9	24.3	30th	57.1	12th	1.3	1.1	1.2	2.58	2.51	2.55	90.1	91.5	90.8
December	29.494	38.5	39.5	39.0	33.8	43.9	22.4	30th	54.8	22nd	1.3	1.6	1.5	2.13	2.14	2.14	88.9	87.0	88.0
Year	29.677	48.7	46.9	47.8	41.0	54.4	—	—	—	—	2.6	1.7	2.2	2.93	2.90	2.92	83.0	87.5	85.3
20 Years, 1881-1900.	—	—	—	—	40.8	55.1	4.0	Jan. '81	82.0	Aug. '93	—	—	—	—	—	—	—	—	—

MARKREE CASTLE (SLIGO), *a, b.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	Total.	Per Cent.	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	hrs. 42.1	% 18	7.2	7.3	7.3	ins. 5.34	ins. .64	1st	22	3	3	2	3	17	5	3	2	1	16	13	14	1	1	11
February	28.8	11	8.9	7.9	8.4	5.19	.65	26th	20	4	5	3	0	17	5	0	0	0	3	21	18	1	3	10
March	97.1	27	7.6	7.0	7.3	6.84	.74	22nd	28	7	11	1	1	12	2	1	0	0	10	17	14	9	1	10
April	113.7	27	7.1	6.5	6.8	2.27	.33	25th	19	5	8	1	0	9	0	3	1	0	7	5	9	1	13	21
May	144.4	29	7.3	6.9	7.1	2.31	.41	29th	19	2	2	0	3	14	0	5	3	5	6	6	8	0	6	23
June	164.2	32	7.8	6.2	7.0	0.70	.23	25th	12	0	0	1	2	13	0	3	3	3	8	8	3	0	10	22
July	119.3	24	8.8	6.5	7.7	5.19	.98	2nd	21	0	0	3	0	15	2	6	0	0	7	11	8	4	8	18
August	116.7	26	7.5	7.1	7.3	7.58	2.04	14th	27	0	0	4	0	13	0	2	0	1	9	13	10	3	9	15



DUBLIN (City), *a, b.*

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

1903.	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.			Vapour Pressure.			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.	29.755	41.0	41.7	41.4	37.9	46.3	25.7	13th	55.9	26th	1.7	2.0	1.9	in.	in.	in.	%	%	%	
February	.892	46.0	46.4	46.2	42.5	52.4	31.7	28th	59.0	8th	2.6	2.6	2.6	2.24	2.24	2.24	85.3	84.0	84.7		
March	.583	44.3	44.4	44.4	39.6	51.5	34.1	2nd	60.7	22nd	2.6	2.5	2.6	2.37	2.39	2.38	81.4	81.7	81.6		
April	.854	45.7	44.6	45.2	39.4	52.3	29.9	17th	61.1	6th	3.3	2.9	3.1	2.35	2.34	2.35	77.1	78.7	77.9		
May	.813	52.5	50.9	51.7	46.5	59.2	40.9	17th	68.0	25, 28	3.7	2.7	3.2	3.04	3.02	3.03	78.0	82.4	80.2		
June	.025	55.8	55.0	55.4	50.2	62.6	41.0	14th	72.7	28th	4.0	3.1	3.6	3.38	3.49	3.44	76.1	80.5	78.3		
July	.853	58.5	58.0	58.3	53.5	66.7	44.1	7th	79.0	9th	3.3	2.6	3.0	3.93	4.05	3.99	80.2	83.6	81.9		
August	.717	57.4	56.1	56.8	51.8	64.9	46.1	21st	70.9	30th	3.2	2.2	2.7	3.78	3.85	3.82	80.4	85.7	83.1		
September	.888	54.9	53.8	54.4	49.9	62.0	37.8	15th	67.2	1st	2.4	1.8	2.1	3.66	3.69	3.68	84.7	88.8	86.8		
October	.447	50.0	49.3	49.7	45.9	56.8	33.6	28th	64.9	6th	2.2	1.9	2.1	3.07	3.07	3.07	85.0	86.9	86.0		
November	.988	44.3	43.7	44.0	40.0	50.7	29.2	30th	60.0	12th	1.4	1.3	1.4	2.65	2.58	2.62	89.8	89.3	89.6		
December	.600	39.8	40.7	40.3	36.8	44.9	27.1	2nd	55.8	21st	1.5	1.7	1.6	2.17	2.22	2.20	87.3	86.4	86.9		
Year	.785	49.2	48.7	49.0	44.5	55.9	—	—	—	—	2.7	2.3	2.5	2.93	2.96	2.95	82.2	84.2	83.2		
15 Years, 1876-1890.	.853	49.3	48.5	48.9	44.0	54.7	13.3	Dec. '82	87.2	July '76	2.9	2.3	2.6	2.94	2.96	2.95	81.3	83.8	82.6		

BIRR CASTLE, *a, b.*

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

	ins.													in.	in.	in.	%	%	%
January	29.595	39.2	39.5	39.4	34.0	44.2	19.0	12th	54.2	26th	1.1	1.1	1.1	.222	.224	.223	90.0	89.9	90.0
February	.750	44.3	44.4	44.4	39.0	50.8	29.5	27th	57.0	10th	1.6	1.5	1.6	.262	.264	.263	88.4	88.2	88.3
March	.443	42.8	42.1	42.5	34.9	49.4	26.8	14th	57.7	22nd	2.2	1.5	1.9	.232	.238	.235	83.7	87.9	85.8
April	.732	46.3	42.9	44.6	35.6	51.7	24.8	16th	59.2	6th	3.3	1.9	2.6	.245	.240	.243	76.8	85.6	81.2
May	.676	53.6	50.7	52.2	42.6	58.7	35.8	2nd	70.3	25th	4.3	3.1	3.7	.306	.296	.301	74.3	80.1	77.2
June	.888	56.8	54.4	55.6	45.8	62.7	36.1	20th	71.2	6, 7	4.4	3.0	3.7	.345	.348	.347	74.2	81.4	77.8
July	.727	59.1	56.6	57.9	50.4	65.0	40.8	7th	76.9	9th	3.5	2.2	2.9	.400	.399	.400	79.5	86.3	82.9
August	.589	57.2	54.8	56.0	48.9	63.9	40.8	24th	74.9	6th	3.1	2.2	2.7	.379	.370	.375	80.8	86.0	83.4
September	.721	55.7	53.1	54.4	48.3	61.1	32.1	14th	65.4	22, 24	3.5	1.9	2.7	.352	.358	.355	78.2	87.4	82.8
October	.312	49.0	47.0	48.0	42.1	54.7	25.5	28th	61.9	6th	1.7	1.3	1.5	.310	.297	.304	88.3	90.5	89.4
November	.878	42.9	43.0	43.0	37.0	49.6	23.9	30th	56.0	24th	1.1	1.2	1.2	.260	.258	.259	91.2	91.2	91.2
December	29.447	37.8	38.9	38.4	33.8	43.4	20.0	2nd	53.4	21st	1.0	1.1	1.1	.212	.220	.216	90.0	90.4	90.2
Year	29.647	48.7	47.3	48.0	41.0	54.6	—	—	—	—	2.6	1.8	2.2	.294	.293	.294	83.0	87.1	85.1
15 Years, 1876-1890.	29.723	48.5	46.7	47.6	41.2	55.1	5.0	Jan. '81	89.1	July '76	2.5	1.7	2.1	.296	.291	.294	83.6	87.9	85.8

VALENCIA, *a.*

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

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DUBLIN (City), *a, b.*

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

1903.	Bright Sunshine.		Amount of Cloud.			Rainfall.			Weather, No. of Days of							Wind, No. of Observations of								
	Total.	Per Cent.	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.
	hrs.	%				ins.	ins.																	
January	—	—	6.0	5.7	5.9	3.269	.577	8th	20	3	4	0	4	9	9	1	1	5	11	8	19	11	3	3
February	—	—	6.9	5.9	6.4	2.234	.644	26th	15	2	1	1	0	6	10	1	0	1	3	8	22	17	4	0
March	—	—	5.7	6.1	5.9	3.623	.808	12th	26	4	4	0	1	6	11	3	1	1	1	12	19	18	7	0
April	—	—	6.8	5.0	5.9	1.050	.340	25th	17	1	3	0	3	9	1	7	9	6	1	1	3	11	16	6
May	—	—	6.9	5.9	6.4	2.384	.479	29th	17	0	1	0	5	10	0	5	12	14	5	3	6	7	8	2
June	—	—	7.3	5.6	6.5	2.494	.838	22nd	13	0	2	3	3	11	0	10	19	7	5	4	3	3	5	4
July	—	—	6.6	6.3	6.5	4.018	.517	14th	23	0	1	4	0	8	2	4	7	4	4	2	9	16	12	4
August	—	—	6.5	6.1	6.3	2.800	.470	13th	26	0	0	2	0	8	5	1	1	1	5	7	14	27	6	0
September	—	—	5.7	5.3	5.5	3.397	.966	10th	17	0	1	1	4	7	6	3	4	9	9	13	7	9	6	0
October	—	—	6.0	4.8	5.4	2.613	.315	6th	22	0	1	0	5	5	5	1	1	2	4	10	11	18	13	2
November	—	—	5.9	5.4	5.7	2.133	.615	28th	16	1	0	0	4	9	2	2	0	1	4	5	10	25	11	2
December	—	—	6.0	6.9	6.5	1.586	.291	12th	16	0	3	0	3	13	3	0	1	5	16	6	8	15	7	4
Year	—	—	6.4	5.8	6.1	31.601	—	—	228	11	21	11	32	101	54	38	56	56	68	79	131	177	98	27
15 Years, 1876-1890.	—	—	6.5	5.7	6.1	28.277	2.736	Oct. '80	198.9	23.0	32.2	8.3	33.7	103.5	23.6	45.4	47.6	71.0	62.2	66.7	104.6	197.8	88.1	47.3



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

Stations.				Mean Pressure at 32° Fahrenheit.	Air Temperature.										Humidity.																											
Name.	Height above Mean Sea Level.	Long.	Lat.		Means of			Absolute Min. and Max.				Depression of Wet Bulb.			Vapour Pressure.			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.																				
																						ins.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Deerness	160	2 45 W.	58 56 N.	29.535	45.5	44.4	45.0	41.0	48.8	27.2	Nov. 26th	66.0	July 9th	2.1	1.7	1.9	2.64	2.60	2.62	84.5	86.6	85.6																				
Lairg	387	4 24 W.	58 2 N.	29.290	44.5	42.3	43.4	37.4	51.2	6.0	Jan. 14th	74.0	July 24th	2.4	1.5	2.0	2.49	2.43	2.46	82.8	88.3	85.6																				
Dunrobin Castle	12	3 56 W.	57 59 N.	29.723	45.9	44.4	45.2	39.5	51.1	20.0	Jan. 14th	71.0	July 9th	2.5	2.2	2.4	2.63	2.53	2.58	82.4	83.6	83.0																				
Gordon Castle	101	3 5 W.	57 37 N.	29.631	47.3	45.4	46.4	39.4	52.7	17.2	Jan. 14th	75.0	June 27th June 8th	3.5	2.8	3.1	2.55	2.47	2.51	76.6	79.8	78.2																				
Strathpeffer Spa	253	4 28 W.	57 37 N.	—	45.4	44.5	45.0	39.8	55.2	18.2	Jan. 13th	71.0	June 6th	2.6	2.1	2.4	2.56	2.56	2.56	81.4	84.4	82.9																				
Glencarron	489	5 14 W.	57 30 N.	29.193	45.4	43.7	44.5	38.3	50.7	14.5	Jan. 14th	76.4	June 7, 8	3.0	2.2	2.6	2.44	2.41	2.43	78.8	83.3	81.1																				
Aberdeen	46	2 6 W.	57 10 N.	29.675	46.4	45.5	46.0	41.2	50.7	20.6	Jan. 13th	77.2	July 9th	3.0	2.5	2.8	2.53	2.53	2.53	79.3	81.6	80.5																				
Fort Augustus	68	4 40 W.	57 8 N.	29.673	45.6	45.6	45.6	39.3	51.8	11.5	Dec. 30th	72.0	July 25th	2.3	2.1	2.2	2.62	2.63	2.62	83.9	84.4	84.2																				
Braemar	1,111	3 24 W.	57 0 N.	28.564	43.2	42.5	42.9	36.6	49.0	1.0	Jan. 13th	73.0	June 8th	2.6	2.1	2.4	2.35	2.35	2.35	81.5	83.6	82.6																				
Fort William	31	5 7 W.	56 49 N.	29.720	46.6	46.5	46.6	41.8	52.2	20.0	Jan. 14th	76.0	June 7th	2.8	2.8	2.8	2.58	2.59	2.59	79.8	80.4	80.1																				
Ben Nevis Summit	4,405	5 0 W.	56 48 N.	25.210	30.7	30.6	30.7	27.5	34.1	7.7	Jan. 10th	58.0	June 7th	0.6	0.4	0.5	1.64	1.66	1.65	93.9	95.3	94.6																				
Lednathie	719	3 7 W.	56 45 N.	28.990	44.1	42.8	43.4	36.3	50.9	10.5	Jan. 14th	76.6	June 4th	2.8	1.8	2.3	2.36	2.43	2.40	80.2	86.3	83.3																				
Landale	14	5 41 W.	56 41 N.	29.731	48.4	47.3	47.9	41.6	53.5	23.0	Jan. 13th	76.4	June 8th	2.6	2.2	2.4	2.87	2.84	2.86	82.1	84.3	83.2																				
Dundee	160	2 56 W.	56 28 N.	29.604	46.5	44.7	45.6	40.0	52.3	16.9	Jan. 14th	77.7	June 4th	2.2	1.6	1.9	2.76	2.69	2.73	84.5	87.9	86.2																				
Ochertyre	329	3 53 W.	56 23 N.	29.416	46.4	44.0	45.2	39.1	53.4	13.0	Jan. 14th	80.0	June 4th	2.7	1.9	2.3	2.63	2.51	2.57	81.3	85.7	83.5																				
Poltalloch	132	5 30 W.	56 8 N.	29.633	47.5	45.5	46.5	41.1	54.1	20.0	Jan. 12th	78.0	May 27th	2.5	1.9	2.2	2.78	2.67	2.72	82.8	86.0	84.4																				
Glasgow	180	4 18 W.	55 53 N.	29.590	46.8	46.2	46.5	42.1	52.0	17.9	Jan. 13th	75.1	June 6th	2.7	2.3	2.5	2.68	2.70	2.69	81.5	83.5	82.5																				
Rothsay	115	5 4 W.	55 50 N.	29.666	47.1	45.6	46.4	41.3	53.5	22.6	Jan. 12th	74.5	May 26th	2.5	2.0	2.3	2.70	2.65	2.68	82.1	84.3	83.7																				
Marchmont	498	2 25 W.	55 44 N.	29.259	46.1	45.0	45.5	39.1	51.7	20.0	Jan. 14th	75.0	July 9th	2.4	2.0	2.2	2.64	2.61	2.63	82.9	85.4	84.2																				
Wolfelee	587	2 39 W.	55 23 N.	29.209	45.6	43.4	44.5	37.4	50.3	10.0	Jan. 14th	78.0	May 31st	2.5	1.7	2.1	2.58	2.50	2.54	82.4	86.9	84.7																				
Cockle Park (Morpeth)	324	1 41 W.	55 13 N.	29.461	47.3	44.2	45.8	39.1	52.2	21.0	(Jan. 13, 14) (Dec. 2nd)	77.0	July 9th	2.5	1.4	2.0	2.80	2.68	2.74	83.2	89.3	86.3																				
Cargen	72	3 37 W.	55 2 N.	29.719	47.6	47.4	47.5	40.7	53.9	18.0	Jan. 14th	76.0	July 2nd	2.1	1.9	2.0	2.88	2.90	2.89	85.5	86.4	86.0																				
Cally	120	4 11 W.	54 53 N.	29.682	48.7	45.6	47.1	40.5	54.5	20.0	(Jan. 14th) (Dec. 2nd)	76.0	June 4th	2.0	1.9	2.0	3.04	2.68	2.86	86.1	86.4	86.3																				
Seaham	139	1 19 W.	54 50 N.	29.673	48.9	46.5	47.7	41.8	53.3	22.4	Jan. 13th	80.1	July 10th	2.7	1.7	2.2	2.92	2.88	2.90	81.8	88.1	85.0																				
Durham	336	1 35 W.	54 46 N.	29.442	47.4	45.6	46.5	40.0	52.4	13.5	Jan. 13, 14	77.7	July 9th	2.5	1.8	2.2	2.83	2.75	2.79	83.6	86.8	85.2																				
Rounton (Yorks)	249	1 18 W.	54 24 N.	29.563	47.0	45.5	46.3	40.2	53.2	9.0	Jan. 13th	79.3	July 10th	2.4	1.7	2.1	2.73	2.70	2.72	82.8	86.9	84.8																				
Aysgarth	646	1 58 W.	54 18 N.	29.123	46.5	44.9	45.7	40.1	51.6	18.6	Jan. 14th	75.8	July 9th	2.4	1.7	2.1	2.69	2.64	2.67	82.8	86.6	84.7																				
Scarborough	62	0 24 W.	54 18 N.	29.713	47.6	47.4	47.5	41.3	54.0	24.5	Dec. 5, 6	83.0	July 10th	2.2	1.9	2.1	2.88	2.91	2.90	84.5	86.9	85.4																				
Cronkbourne	137	4 29 W.	54 10 N.	29.683	49.4	47.3	48.4	43.1	53.4	23.2	Jan. 13th	72.5	July 9th	2.1	1.2	1.7	3.11	3.06	3.09	86.1	91.0	88.6																				
York (Museum)	56	1 5 W.	53 57 N.	29.805	48.6	47.4	48.0	43.5	55.0	19.0	Jan. 14th	80.0	July 9, 10	2.3	1.7	2.0	2.96	2.94	2.95	84.4	88.0	86.6																				
Stonyhurst	375	2 28 W.	53 51 N.	29.482	47.6	46.6	47.1	42.4	52.5	22.5	Jan. 14th	76.1	May 31st	2.8	2.2	2.5	2.77	2.76	2.77	81.4	84.0	82.7																				
Wakefield	96	1 30 W.	53 41 N.	29.769	49.3	48.0	48.6	40.0	55.1	19.2	Jan. 15th	81.4	July 10th	2.9	2.1	2.5	2.89	2.91	2.90	80.3	85.0	82.7																				
Prestwich	320	2 17 W.	53 32 N.	29.517	47.7	47.4	47.6	42.0	54.2	22.6	Jan. 14th	78.0	July 2, 10	2.4	2.0	2.2	2.85	2.86	2.86	84.6	87.3	85.2																				
Manchester	190	2 13 W.	53 29 N.	29.666	49.1	49.5	49.3	44.4	54.7	25.0	Jan. 14th	79.6	July 2nd	3.2	3.0	3.1	2.84	2.91	2.88	79.3	79.9	79.6																				
* Bidston (Liverpool)	188	3 4 W.	53 24 N.	29.646	48.5	48.1	48.3	43.8	53.6	23.8	Jan. 15th	77.7	July 2nd	2.8	2.3	2.6	2.81	2.87	2.84	80.8	83.6	82.6																				
Tealby	251	0 16 W.	53 24 N.	29.600	48.0	46.5	47.3	42.0	54.0	21.4	Jan. 13th	86.3	July 10th	2.0	1.4	1.7	2.95	2.90	2.93	86.3	90.1	88.2																				
Sheffield	429	1 29 W.	53 23 N.	29.396	48.3	47.7	48.0	42.7	54.2	22.8	Jan. 15th	83.3	July 10th	2.5	2.0	2.3	2.90	2.94	2.92	83.1	85.9	84.5																				
Liandudno	71	3 50 W.	53 19 N.	29.799	50.5	49.5	50.0	45.5	55.2	23.0	Jan. 14th	80.0	July 2nd	3.3	2.9	3.1	2.91	2.89	2.90	77.8	80.1	78.9																				
Buxton	287	1 54 W.	53 14 N.	28.868	46.3	44.7	45.5	39.3	51.4	16.4	Jan. 14th	82.4	July 10th	2.7	1.8	2.2	2.61	2.61	2.61	81.5	86.7	84.1																				
Cheadle	646	1 57 W.	52 58 N.	29.210	46.2	45.8	46.0	41.0	53.1	21.4	Jan. 14th	81.8	July 10th	1.8	1.7	1.7	2.78	2.77	2.77	86.9	87.5	87.2																				
Belvoir Castle	259	0 47 W.	52 54 N.	29.589	47.8	46.9	47.4	41.7	55.0	17.0	Jan. 14th	85.0	July 10th	2.1	1.7	1.9	2.91	2.89	2.90	85.5	87.9	86.7																				
Hillingdon	88	0 33 E.	52 48 N.	29.789	48.9	46.9	47.9	41.4	56.0	16.0	Jan. 13th	86.2	July 10th	2.4	1.4	1.9	3.01	2.99	3.00	83.7	89.3	86.5																				
Churchstoke	538	3 5 W.	52 31 N.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																				
Lowestoft	84	1 45 E.	52 29 N.	29.827	50.7	47.7	49.2	43.2	54.2	24.2	Dec. 7th	77.1	June 28th	3.1	1.8	2.5	3.00	2.96	2.98	79.2	86.8	83.0																				
Geldeston (Beccles)	37	1 31 E.	52 28 N.	29.859	50.6	47.9	49.3	42.2	56.2	23.4	Feb. 17th	83.1	June 28th	2.8	1.7	2.3	3.08	2.95	2.98	82.1	87.9	85.0																				
Birmingham (Edgbaston)	535	1 56 W.	52 28 N.	29.305	46.7	48.1	47.4	42.5	54.3	21.6	Jan. 16th	83.8	July 10th	2.3	2.8	2.6	2.77	2.82	2.80	83.7	81.4	82.6																				
Cambridge	83	0 6 E.	52 13 N.	29.823	50.3	47.8	49.2	41.4	57.7	17.3	Jan. 16th	86.1	July 10th	2.8	1.9	2.4	3.14	3.02	3.08	82.4	87.0	84.1																				
Hollesley Bay	38	1 27 E.	52 3 N.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																				
Woburn	291	0 36 W.	52 1 N.	29.622	49.0	47.3	48.2	41.3	55.3	15.6	Jan. 16th	82.2	June 27th July 10th	2.5	1.8	2.2	3.01	2.98	3.00	83.7	87.5	83.6																				
Bennington	407	0 5 W.	51 54 N.	29.506	48.6	47.0	47.8	41.8	55.1	20.9	Jan. 16th	84.0	July 10th	2.5	1.9	2.2	2.90	2.86	2.88	83.0	86.7	84.8																				
Cheltenham	213	2 3 W.	51 54 N.	29.691	49.7	48.8	49.0	42.9	55.8	18.0	Jan. 14th	82.2	June 27th	2.9	2.3	2.6	2.93	2.95	2.94	80.7	83.8	82.8																				
Berkhamsted	400	0 34 W.	51 46 N.	29.496	48.6	46.9	47.7	41.4	55.9	20.4	Jan. 16th	83.9	July 10th	2.5	1.8	2.2	2.89	2.87	2.88	82.8	87.4	85.1																				
Kew	18	0 19 W.	51 28 N.	29.900	50.3	49.6	50.0	43.8	56.3	25.0	Jan. 16th	83.3	July 10th	3.1	2.6	2.9	3.00	3.03.																								