

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING MARCH 31, 1881.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING MARCH 31ST, 1881.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in January for the first few days was fine, but on the 7th a period of exceptionally bad weather set in, which from the 12th to the 27th was remarkable for its severity. Snow fell on every day from the 9th to the 27th, with the exception of the 25th; south of the latitude of 51° it fell on 14 days, and in other parallels of latitude on from 10 to 13 days; on some days the fall was general. Fog was very prevalent, south of latitude 51° it occurred on six days, and at stations north of 52° on 18 days; at Bradford there were dense fogs on the 24th, 25th, and 26th. The east and N.E. winds were in excess.

The mean temperature of the month at all stations north of $51^{\circ} 25'$, with the exception of Lowestoft and Llandudno, was below 32° .

February was a wet, cold, gloomy month, with frequent falls of snow and an excess of east winds. Snow fell in Devonshire on four days, and at northern stations on 14 or 15 days. Fog was prevalent at all stations.

In March the weather was warm and genial from the 4th to the 20th, but cold at the beginning and the end of the month. Snow fell at Guernsey and in Cornwall on the 1st, and in the north of England on every day excepting between the 9th and 19th; it fell in Devonshire on the 21st, 26th, and 27th. From the 4th to the 20th the wind was chiefly from the west, and at the beginning and at the end of the month, from the east.

The mean daily temperature of the air was above the average till January 6th; the average daily excess being $2^{\circ} 5'$; from the 7th to the 27th it was below the average, and on some days to the extent of 15° and 16° , the average deficiency for the 20 days ending January 27th being $9^{\circ} 7'$; from January 28th to February 10th, the average daily excess was $3^{\circ} 4'$; a cold period then again set in, but it was of less severity than that ending January 27th, the average deficiency of daily temperature for the 21 days ending March 3rd being $3^{\circ} 6'$; from March 4th to 20th, there was an average excess of daily temperature of 6° , and from March 21st to the end of the quarter, the weather was cold, the average deficiency of daily temperature being 4° .

The falls of snow throughout the quarter were exceptional; snow fell on 53 days, and the snowstorm of the 18th day of January was very remarkable; this day was bitterly cold and there was a gale from the east, with driving snow that penetrated everywhere. The snow began to fall about 9.0 a.m., and at midnight, at Blackheath, in places free from drift, it was 15 inches in depth; nearly all the lines of railway out of London were blocked, and some of them early in the afternoon; trains were embedded in the snow all night and during the next day. This snowstorm extended southward to Jersey and Guernsey, where the depth was from 12 ins. to 14 ins., with drifts up to four and five feet. In the Isle of Wight the depth was about 15 ins., and Mr. Mann says the island was white with snow from the 17th to the 20th; a second heavy fall of 18 ins. having taken place on the 20th; the total depth of snow which fell on these two days was therefore 33 ins. On the 18th day the depth of snow at Brighton was 18 ins.; in Cornwall and Devonshire it was from 12 to 14 ins., with drifts of from 10 to 12 feet; the amounts were less proceeding northwards, at Cambridge the depth was eight inches, and at Leeds and Bradford, the fall was very small. The loss of life in England due to the snow was great, and small birds died in great numbers, their food being covered by the snow. Dr. Compton, of South Bourne, says, "Rooks were seen to kill and eat sparrows, and blackbirds to eat each other on my lawn, where a great congregation of birds were collected."

The mean temperature of the month was also exceptional, being slightly lower than the cold January of 1879, and lower than any January since 1838. The month was, however, chiefly remarkable on account of the succession of very low temperatures in Cornwall and Devonshire.

The table on the next page shows the minimum temperatures at the several stations from January 12th to January 28th. The lowest temperatures on the days were, on the 12th, $12^{\circ} 5'$ at Carlisle and Stockton; on the 13th, $11^{\circ} 5'$ at Marlborough; on the 14th, $4^{\circ} 0'$ at Carlisle; on the 15th, $0^{\circ} 5'$ at Carlisle; on the 16th, $-5^{\circ} 5'$ at Carlisle; on the 17th, $-2^{\circ} 0'$ at Carlisle; on the 18th, $5^{\circ} 6'$ at Carlisle; on the 19th, 16° at Bradford; on the 20th, 3° at Stockton; on the 21st, -2° at Cambridge; on the 22nd, $1^{\circ} 0'$ at Cardington; on the 23rd, $8^{\circ} 8'$ at Totnes; on the 24th, $4^{\circ} 2'$ at Carlisle; on the 25th, $7^{\circ} 3'$ at Wrotesley; on the 26th, $2^{\circ} 2'$ at Carlisle; on the 27th, $7^{\circ} 2'$ at Carlisle; and on the 28th, 25° at Bywell, but on this day the reading was 32° or higher at nearly every other station. An examination of the table line by line shows the lowest temperature at each station; at Guernsey the lowest was $24^{\circ} 5'$ on the 16th; at Truro it was 12° on the 15th, and there were several readings below 20° ; the lowest at Eastbourne was $12^{\circ} 8'$, at Plymouth 17° , at Totnes $8^{\circ} 8'$, at Torquay $15^{\circ} 3'$, at Ventnor $14^{\circ} 6'$, at Osborne 12° , at Bournemouth $12^{\circ} 1'$, at Brighton $11^{\circ} 4'$, at Salisbury $2^{\circ} 5'$, at Barnstaple 8° , at Bath $8^{\circ} 8'$, at Ramsgate 15° , at Strathfield $4^{\circ} 9'$, at Marlborough $6^{\circ} 9'$, at Bristol 9° , at Whitchurch $5^{\circ} 3'$. All these stations are south of London, and the low temperatures recorded at them are therefore very remarkable.

At Blackheath the pressure of the atmosphere was above its average till January 10th, the average daily excess being $0^{\circ} 40$ in.; from the 11th to the 20th it was below its average, the average daily deficiency being $0^{\circ} 28$ in. (on the 18th the deficiency was as much as $0^{\circ} 74$); it was

slightly above its average on the 23rd, 24th, and 25th; from January 26th to February 17th there was an average daily deficiency of 0.29 in.; from February 28th to 25th there was an average daily excess of 0.16 in. daily; from February 26th to March 14th there was an average daily deficiency of 0.023 in.; from March 14th to 19th, an average daily excess of 0.30 in.; and from this date to the end of the quarter there was a mean daily deficiency of 0.21 in.

TABLE showing the MINIMUM TEMPERATURE of the AIR at the several Stations on January 12th to January 28th.

| Names of Stations. | JANUARY, 1881. | | | | | | | | | | | | | |
|--------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 12th. | 13th. | 14th. | 15th. | 16th. | 17th. | 18th. | 19th. | 20th. | 21st. | 22nd. | 23rd. | 24th. | 25th. |
| Guernsey | 35.0 | 30.0 | 33.0 | 32.0 | 24.5 | 26.0 | 32.0 | 34.0 | 28.5 | 27.0 | 26.0 | 27.0 | 33.0 | 27.5 |
| Truro | 29.0 | 19.0 | 21.0 | 12.0 | 14.0 | 21.0 | 23.0 | 23.0 | 16.0 | 16.0 | 19.0 | 15.0 | 27.0 | 23.0 |
| Eastbourne | 30.0 | 22.7 | 22.3 | 16.8 | 20.0 | 12.8 | 27.4 | 28.5 | 20.7 | 22.8 | 13.8 | 13.7 | 23.0 | 19.5 |
| Plymouth | 31.0 | 19.3 | 19.0 | 20.0 | 17.3 | 19.1 | 27.5 | 25.0 | 17.0 | 18.0 | 18.8 | 19.1 | 27.5 | 23.5 |
| Totnes | 27.4 | 15.4 | 14.5 | 12.3 | 12.3 | 13.7 | 25.7 | 20.7 | 8.8 | 13.6 | 11.5 | 8.8 | 25.7 | 19.4 |
| Torquay | 25.0 | 22.3 | 24.5 | 18.2 | 20.6 | 18.0 | 25.2 | 23.7 | 15.3 | 19.8 | 17.0 | 25.4 | 31.0 | 19.3 |
| Venator | 30.5 | 24.9 | 24.0 | 21.5 | 21.9 | 23.8 | 27.2 | 28.6 | 12.9 | 22.7 | 14.6 | 15.9 | 23.6 | 20.0 |
| Osborne | 27.7 | 20.8 | 18.8 | 15.8 | 16.6 | 16.0 | 24.1 | 24.7 | 15.5 | 15.0 | 12.0 | 16.1 | 15.0 | 14.0 |
| Bournemouth | 28.9 | 22.1 | 19.9 | 15.0 | 18.2 | 14.1 | 26.2 | 25.1 | 14.1 | 18.2 | 12.2 | 19.1 | 12.1 | 15.3 |
| Brighton | 25.4 | 22.0 | 20.7 | 15.5 | 19.0 | 16.7 | 24.4 | 26.2 | 17.3 | 18.4 | 11.4 | 25.4 | 20.0 | 18.0 |
| Salisbury | 20.0 | 16.0 | 13.0 | 7.0 | 7.5 | 6.5 | 14.0 | 23.5 | 10.5 | 14.0 | 2.5 | 14.0 | 13.0 | 14.0 |
| Barnstable | 31.0 | 14.0 | 14.0 | 9.0 | 14.0 | 16.0 | 18.0 | 28.0 | 14.0 | 11.0 | 18.0 | 19.0 | 26.0 | 15.0 |
| Bath | 20.9 | 15.1 | 13.8 | 8.8 | 14.2 | 14.7 | 14.7 | 15.9 | 13.2 | 13.5 | 14.4 | 14.4 | 15.4 | 15.4 |
| Ramsgate | 25.8 | 23.2 | 20.5 | 13.0 | 15.5 | 15.7 | 25.1 | 25.6 | 23.1 | 24.1 | 13.5 | 27.2 | 24.9 | 20.0 |
| Stratfield Turgiss | 21.9 | 17.5 | 11.5 | 8.1 | 13.4 | 6.7 | 18.6 | 24.7 | 9.8 | 8.9 | 13.3 | 4.9 | 15.2 | 12.5 |
| Marlborough | 19.7 | 11.5 | 12.2 | 6.9 | 8.5 | 9.5 | 24.2 | 22.2 | 11.7 | 16.2 | 12.6 | 23.7 | 11.7 | 16.5 |
| Bristol | 25.2 | 22.1 | 14.5 | 9.0 | 10.5 | 15.6 | 21.0 | 24.0 | 13.5 | 13.9 | 13.5 | 27.0 | 18.0 | 14.0 |
| Blackheath | 25.0 | 20.7 | 16.0 | 15.0 | 16.0 | 15.0 | 25.9 | 25.6 | 16.5 | 9.2 | 17.5 | 36.2 | 24.0 | 18.6 |
| Whitechapel | 21.0 | 21.5 | 14.9 | 9.0 | 11.2 | 5.3 | 11.0 | 27.0 | 12.0 | 10.0 | 10.0 | 11.0 | 10.0 | 19.6 |
| Greenwich | 23.0 | 19.5 | 15.0 | 14.0 | 17.7 | 12.7 | 26.2 | 25.5 | 14.4 | 15.8 | 17.3 | 30.0 | 16.8 | 13.2 |
| Camden Square | 28.4 | 19.5 | 19.4 | 12.2 | 14.2 | 11.8 | 13.7 | 24.2 | 18.5 | 15.7 | 15.2 | 15.4 | 23.8 | 23.2 |
| Oxford | 23.9 | 17.4 | 11.3 | 8.7 | 12.8 | 9.8 | 21.8 | 24.2 | 11.7 | 6.2 | 17.2 | 10.2 | 15.4 | 17.7 |
| Royton | 20.7 | 19.7 | 12.5 | 13.0 | 14.7 | 14.0 | 20.6 | 22.8 | — | 7.9 | 7.7 | 20.4 | 14.9 | 18.0 |
| Gloucester | 23.0 | 19.0 | 12.0 | 7.5 | 8.0 | 12.0 | 20.0 | 23.0 | 6.0 | 7.0 | 9.5 | 12.5 | 8.0 | 9.0 |
| Cardington | 20.6 | 19.6 | 12.0 | 11.0 | 12.6 | 9.6 | 12.0 | 24.0 | 9.6 | 0.9 | 1.0 | 18.0 | 23.4 | 19.0 |
| Somerleyton | 22.4 | 20.4 | 18.6 | 7.5 | 12.0 | 8.0 | 14.5 | 23.5 | 23.4 | 12.5 | 14.0 | 23.7 | 20.0 | 8.2 |
| Lowestoft | 22.9 | 20.6 | 21.0 | 9.2 | 10.0 | 14.1 | 28.5 | 25.0 | 22.7 | 19.0 | 13.9 | 29.0 | 21.3 | 14.0 |
| Cambridge | 24.0 | 21.0 | 12.0 | 13.0 | 15.0 | 13.0 | 21.0 | 24.2 | 16.2 | —2.0 | 4.9 | 29.3 | 18.1 | 18.0 |
| Stockton | 12.5 | 19.0 | 7.0 | 7.0 | 10.0 | 11.0 | 22.0 | 23.5 | 3.0 | 10.0 | 5.0 | 14.0 | 4.5 | 12.0 |
| Norwich | 24.0 | 24.8 | 14.0 | 11.0 | 15.0 | 16.0 | 25.0 | 23.0 | 15.0 | 12.0 | 25.0 | 20.0 | 14.0 | 8.5 |
| Leicester | 20.0 | 20.0 | 14.7 | 5.2 | 10.0 | 12.8 | 24.0 | 23.5 | 11.0 | 11.0 | 10.3 | 21.0 | 19.4 | 10.5 |
| Birmingham | — | — | — | — | 15.0 | 15.7 | 16.6 | 23.6 | 16.0 | 11.4 | 13.3 | — | — | — |
| Wrottesley | 15.3 | 14.4 | 9.6 | 6.8 | 4.3 | 13.5 | 17.7 | 22.3 | 9.1 | 9.3 | 8.1 | 16.4 | 12.0 | 7.8 |
| Nottingham | 14.5 | 18.0 | 13.1 | 1.7 | 6.0 | 7.0 | 10.2 | 23.9 | 9.2 | 11.0 | 12.0 | 15.7 | 17.0 | 11.2 |
| Holkham | 20.6 | 20.4 | 10.6 | 10.9 | 11.5 | 10.8 | 15.5 | 22.4 | 23.3 | 8.4 | 13.9 | 23.6 | 10.3 | 15.2 |
| Llandudno | 27.3 | 27.7 | 18.4 | 17.6 | 17.8 | 22.5 | 25.2 | 27.1 | 20.2 | 16.5 | 18.0 | 30.6 | 27.2 | 24.8 |
| Sheffield | 22.9 | 20.3 | 13.8 | 15.0 | 17.4 | 14.5 | 16.3 | 24.5 | 18.0 | 18.0 | 14.0 | 20.0 | 17.5 | 10.9 |
| Liverpool | 25.5 | 27.7 | 12.1 | 15.9 | 10.0 | 11.4 | 19.0 | 27.5 | 21.2 | 19.6 | 20.0 | 19.9 | 30.0 | 17.6 |
| Bolton | 16.9 | 16.3 | 15.9 | 10.3 | 9.8 | 16.0 | 16.2 | 19.2 | 13.3 | 13.0 | 18.3 | 29.0 | 20.0 | 16.0 |
| Halifax | 18.0 | 22.0 | 15.2 | 15.0 | 13.0 | 15.0 | 14.0 | 25.0 | 9.0 | 18.0 | 19.2 | 25.0 | 20.5 | 13.0 |
| Hull | 20.0 | 21.0 | 7.0 | 7.0 | 10.0 | 10.0 | 9.0 | 24.0 | 14.0 | 6.0 | 18.0 | 22.0 | 16.0 | 13.0 |
| Stonyhurst | 18.0 | 16.3 | 12.0 | 5.5 | 10.0 | 18.8 | 27.0 | 13.3 | 17.0 | 14.5 | 19.2 | 18.2 | 14.0 | 10.0 |
| Bradford | 22.0 | 24.8 | 19.3 | 16.0 | 15.0 | 20.0 | 16.1 | 16.0 | 20.0 | 20.0 | 21.7 | 27.0 | 24.0 | 15.2 |
| Leeds | 21.0 | 27.0 | 18.0 | 17.0 | 17.0 | 20.0 | 15.0 | 26.0 | 20.0 | 19.0 | 23.0 | 28.0 | 26.0 | 18.0 |
| Cockermouth | 18.2 | 20.6 | 9.0 | 7.9 | 4.0 | 7.9 | 26.9 | 22.7 | 10.9 | 11.4 | 8.9 | 23.9 | 11.1 | 10.9 |
| Silloth | 15.9 | 17.4 | 5.9 | 5.2 | 0.0 | 10.0 | 19.5 | 23.7 | 16.0 | 16.0 | 9.1 | 21.2 | 7.4 | 8.5 |
| Sunderland | 24.0 | 26.0 | 23.0 | 20.0 | 11.0 | 13.0 | 27.0 | 25.0 | 20.0 | 20.0 | 20.0 | 20.0 | 14.0 | 18.0 |
| Carlisle | 12.5 | 13.2 | 4.0 | 0.5 | -5.5 | -2.0 | 5.6 | 23.3 | 12.3 | 2.2 | 4.2 | 14.0 | 4.2 | 7.5 |
| Bywell | 17.6 | 20.0 | 19.0 | 9.0 | 8.0 | 7.0 | 9.0 | 26.0 | 23.0 | 9.0 | 20.0 | 9.0 | 15.0 | 10.0 |
| North Shields | 21.5 | 27.7 | 16.0 | 13.7 | 11.8 | 7.7 | 14.5 | 27.0 | 23.8 | 16.0 | 19.0 | 29.0 | 15.0 | 6.0 |

The mean reading of the barometer for the month of January was 29.710 ins., being 0.056 in. below the average; that for February was 29.661 ins., being 0.125 in. below the average; and that for March was 29.728 ins., being 0.019 in. below the average.

The atmospheric pressure in January was less than in December by 0.084 in., that in February was less than in January by 0.049 in., and that in March greater than in February by 0.067 in. (From the preceding 40 years' observations the mean pressure in January is less than in December by 0.027, that in February is greater than in January by 0.019, and that in March is less than in February by 0.039 in.) There was a decrease of atmospheric pressure from December to January at all stations south of latitude 53°, and an increase north of this parallel; the decrease was about 0.1 in. at extreme southern stations, there was no change at 53°, and beyond this parallel there was a gradual increase amounting to 0.11 in. at extreme northern stations. From January to February there was a decrease everywhere, this decrease being greater at northern than at southern stations. From February to March there was an increase at all stations, the amount of which decreased from 0.1 in. in Cornwall and Devonshire to 0.01 in. at latitude 55°.

At Blackheath the mean temperature of January was lower than that of December by 11.3; that of February was higher than that of January by 6.1; and that of March was higher than that of February by 4.9. (From the preceding 40 years' observations the mean temperature of January is 1.5 lower than that of December, that of February is 1.1 higher than that of January, and that of March is 2.2 higher than that of February.)

The mean decrease of temperature from all stations from December to January varied from 11° to 12°; from January to February there was an increase of 6° to 8° at all stations; and from February to March there was an increase of 3° to 4° at all stations south of latitude 54°, and of 1° to 2° north of this parallel.

| Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|-------|----------------------------------|----------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|--------------------------|-------|--|-------|---------------------------------|
| Air. | | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | | |
| 1881. MONTHS. | Air. | | Diff. from average of 110 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Water of the Thames. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. |
| | Mean. | Diff. from average of 110 years. | | | | | | | | | | | | |
| | o | o | o | o | o | o | o | o | o | o | in. | in. | grs. | gr. |
| Jan. - | 31.6 | -4.9 | -6.3 | 30.6 | -6.4 | 28.0 | -6.9 | 8.8 | -0.8 | .. | 0.153 | -0.047 | 1.8 | -0.5 |
| Feb. - | 37.7 | -0.9 | -1.8 | 36.3 | -1.4 | 34.4 | -0.8 | 9.0 | -2.2 | .. | 0.199 | -0.009 | 2.3 | -0.3 |
| Mar. - | 42.6 | +1.5 | +0.9 | 39.9 | +0.6 | 36.6 | +0.5 | 15.6 | +1.0 | .. | 0.217 | +0.002 | 2.6 | 0.0 |
| Means - | 37.3 | -1.4 | -2.6 | 35.6 | -2.4 | 33.0 | -2.4 | 11.1 | -0.7 | .. | 0.170 | -0.018 | 2.2 | -0.2 |

| 1881. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|------------|--------------------------|---------------------------|
| | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Amount. | Diff. from average of 66 years. | | Number of Nights it was | | | Lowest Reading at Night. | Highest Reading at Night. |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | Above 40°. | | |
| | | | in. | in. | grs. | grs. | in. | in. | Miles. | | | | o | o |
| Jan. - | 86 | -1 | 29.710 | -0.056 | 561 | +7 | 1.16 | -0.74 | 256 | 27 | 4 | 0 | 10.2 | 38.0 |
| Feb. - | 88 | +3 | 29.661 | -0.125 | 533 | 0 | 2.43 | +0.87 | 311 | 17 | 9 | 2 | 23.2 | 41.0 |
| Mar. - | 78 | -4 | 29.728 | -0.019 | 549 | -1 | 1.84 | +0.29 | 336 | 16 | 12 | 3 | 20.1 | 47.2 |
| Means - | 84 | -1 | 29.700 | -0.067 | 554 | +2 | Sum 5.43 | Sum +0.42 | Mean 301 | Sum 60 | Sum 25 | Sum 5 | Lowest 10.2 | Highest 47.2 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follow:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|-------|-------------------------|-----------|-------|-------------------------|----------|-------|-------------------------|
| | Average. | 1881. | Departure from Average. | Average. | 1881. | Departure from Average. | Average. | 1881. | Departure from Average. |
| N.W. | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N. | 1½ | 1½ | 0 | 2 | 3 | +1 | 2½ | 2 | -½ |
| N.E. | 3 | 2 | -1 | 3 | 3 | 0 | 3½ | 4 | +½ |
| E. | 3½ | 6½ | +3 | 3½ | 5 | +1½ | 2½ | 7½ | +5 |
| S.E. | 2 | 6 | +4 | 2 | 4 | +2 | 2 | 0 | -2 |
| S. | 1½ | 1½ | 0 | 1½ | 1 | -½ | 2½ | 2 | -½ |
| S.W. | 4 | 2½ | -1½ | 3 | 2 | -1 | 7½ | 6 | -1½ |
| W. | 9½ | 7 | -2½ | 8 | 3 | -5 | 3½ | 9½ | +6½ |
| Calm (nearly.) | 3½ | 5 | +1½ | 2½ | 7 | +4½ | 0 | 0 | 0 |

The sign (+) denotes excesses over averages; the largest numbers with this sign in January were E. and N.E., in February were E. and W., and in March were E. and W.

The sign (-) denotes defects below averages; the largest numbers with this sign in January were S. and S.W., in February was S.W., and in March were N. and S.W.

The mean temperature of the air for January was 31.6, being 4.9 and 6.8 below the averages of 110 years and 40 years respectively. It was 1.6 lower than in 1880, and 0.3 lower than that in 1879, and was lower than that of any January since the year 1838. Other instances of low January temperatures are given in the Quarterly Report for March 1879.

The mean temperature of the air for February was 37.7, being 0.9 and 1.8 below the averages of 110 years and 40 years respectively.

The mean temperature of the air for March was 42.6, being 1.5 and 0.9 higher than the averages of 110 years and 40 years respectively.

The mean temperature of the air for the quarter was 37.3, being 1.4 and 2.6 below the averages of 110 years and 40 years respectively.

The mean high day temperature of the air was 70.1, and 3.0 below the average in January and February respectively, and was 1.2 above the average in March.

The mean low night temperature of the air was 9.3, and 0.9 below the average in January and February respectively, and 0.2 above the average in March.

Therefore the days and nights in January were very cold; the days and nights were cold in February, but the nights to a less degree than the days; and in March the days and nights were both a little above their averages.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31ST, 1881.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1881. | Month. | Height of Station above Sea Level. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | | | | | | | | | | |
|---|-------------------|------------------------------------|----------------------------------|--------|-------|------------------------------|--------|-----------------|----------------|--------------|------------------------------|------------|----------------|-------|----------------------|-------------------------------------|--|-------------------------------------|-----------------------|-----------------------|-------------------------|-------------------|----|------|------|------|
| | | | Mean. | Range. | In. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Weight of a cubic foot of Air. | Mean Degree of Humidity, $\text{Sat.} = 100$. | Mean Weight of a cubic foot of Air. | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. |
| NAMES OF STATIONS AND OBSERVERS. | GUERNSEY. | 294 | Jan. | 29-678 | 1-075 | 35-0 | 24-5 | 27-5 | 42-1 | 34-5 | 7-6 | 38-4 | 24-0 | 1-105 | 3-5 | 83 | 81 | 88 | 69-2 | 1-7 | 11 | 4 | 5 | 4-49 | | |
| | | | Feb. | 29-679 | 1-222 | 33-5 | 25-0 | 42-6 | 33-7 | 7-9 | 43-0 | 41-5 | 2-82 | 3-9 | 0-3 | 94 | 54-7 | 70-0 | 87-8 | 70-0 | 1-7 | 16 | 6 | 5 | 4-29 | |
| | | | Mar. | 29-768 | 1-149 | 33-0 | 30-5 | 32-5 | 32-2 | 40-0 | 46-5 | 43-2 | 2-80 | 8-3 | 0-1 | 90 | 54-7 | 82-8 | 89-2 | 83-0 | 1-7 | 7 | 6 | 9 | 4-22 | |
| | TRURO (Cornwall). | 43 | Jan. | 29-845 | 1-149 | 33-0 | 19-0 | 42-0 | 38-0 | 42-0 | 35-2 | 1-80 | 9-1 | 0-3 | 91 | 520 | | | | 1-7 | 10 | 5 | 4 | 2-20 | | |
| | | | Feb. | 29-846 | 1-121 | 34-0 | 25-0 | 29-0 | 48-3 | 37-1 | 11-2 | 42-4 | 40-6 | 2-24 | 2-8 | 0-3 | 94 | 53-5 | | 1-7 | 16 | 3 | 5 | 3-86 | | |
| | | | Mar. | 29-850 | 1-196 | 38-0 | 19-0 | 39-0 | 44-2 | 39-4 | 13-0 | 44-2 | 39-4 | 2-42 | 2-4 | 0-4 | 83 | 54-9 | | 1-7 | 10 | 6 | 14 | 3-86 | | |
| | PLYMOUTH (Devon). | 69 | Jan. | 29-850 | 1-087 | 31-0 | 17-0 | 34-0 | 39-6 | 38-8 | 10-8 | 9-1 | 30-3 | 1-71 | 0-3 | 87 | 560 | | | 1-3 | 11 | 3 | 3 | 1-64 | | |
| | | | Feb. | 29-856 | 1-168 | 32-6 | 26-5 | 35-1 | 47-3 | 39-6 | 10-7 | 41-2 | 38-3 | 2-31 | 2-7 | 0-3 | 91 | 552 | | 2-0 | 8 | 5 | 6 | 1-15 | | |
| | | | Mar. | 29-900 | 1-203 | 37-0 | 30-0 | 27-0 | 40-8 | 38-7 | 12-1 | 44-2 | 41-1 | 2-48 | 2-9 | 0-4 | 83 | 550 | | 1-8 | 8 | 6 | 9 | 3-71 | | |
| | TOTNES (Devon). | 107 | Jan. | 29-872 | 1-149 | 34-0 | 8-8 | 45-4 | 41-1 | 33-7 | 15-4 | 9-2 | 29-5 | 1-64 | 1-9 | 0-2 | 88 | 563 | 69-2 | 22-2 | 10 | 11 | 5 | 5 | 3-07 | |
| | | | Feb. | 29-900 | 1-255 | 33-1 | 18-3 | 47-0 | 34-7 | 19-3 | 30-5 | 12-5 | 9-2 | 38-5 | 1-64 | 1-9 | 0-2 | 88 | 563 | 69-2 | 22-2 | 10 | 11 | 5 | 5 | 3-07 |
| | | | Mar. | 29-924 | 1-459 | 34-0 | 9-1 | 45-1 | 32-2 | 33-7 | 15-5 | 43-7 | 38-5 | 2-24 | 2-7 | 0-3 | 83 | 551 | 76-4 | 32-2 | 9 | 8 | 3 | 7 | 5-64 | |
| TORQUAY, Babacombe (Devon). | 205 | Jan. | 29-710 | 1-168 | 34-0 | 15-3 | 50-6 | 40-6 | 29-5 | 11-1 | 33-2 | 31-1 | 1-74 | 2-1 | 0-3 | 84 | 553 | 75-0 | 22-5 | 16 | 10 | 4 | 5 | 2-44 | | |
| | | Feb. | 29-746 | 1-285 | 31-2 | 29-1 | 44-6 | 38-2 | 40-4 | 38-4 | 11-2 | 33-2 | 31-1 | 1-74 | 2-1 | 0-3 | 84 | 553 | 75-0 | 22-5 | 16 | 10 | 4 | 5 | 2-44 | |
| | | Mar. | 29-566 | 1-476 | 39-0 | 21-3 | 37-7 | 49-8 | 38-3 | 11-5 | 46-8 | 38-3 | 2-31 | 2-7 | 0-6 | 81 | 544 | 104-0 | 39-8 | 1-8 | 5 | 8 | 5 | 13 | 5-2 | |
| VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption). | 150 | Jan. | 29-782 | 1-062 | 30-9 | 14-3 | 36-3 | 40-6 | 29-2 | 11-4 | 34-4 | 32-3 | 1-83 | 2-1 | 0-2 | 92 | 559 | | | 1-5 | 9 | 2 | 5 | 3-5 | | |
| | | Feb. | 29-841 | 1-211 | 30-0 | 27-0 | 33-6 | 43-6 | 33-7 | 9-9 | 39-7 | 36-0 | 2-12 | 2-4 | 0-2 | 87 | 552 | | | | 7 | 4 | 8 | 4 | 4-14 | |
| | | Mar. | 29-822 | 1-204 | 30-2 | 31-0 | 29-2 | 31-1 | 39-0 | 12-1 | 43-7 | 39-1 | 2-29 | 2-7 | 0-4 | 84 | 540 | | | | 8 | 9 | 4 | 10 | 5-0 | |
| EASTBOURNE (Sussex). | 12 | Jan. | 29-806 | 1-000 | 49-1 | 12-8 | 39-3 | 39-0 | 37-8 | 11-2 | 33-8 | 29-9 | 1-66 | 1-9 | 0-3 | 85 | 560 | 60-7 | 17-5 | 0-2 | 14 | 10 | 3 | 4 | 0-8 | |
| | | Feb. | 29-728 | 1-270 | 31-0 | 24-0 | 27-0 | 44-4 | 34-0 | 10-4 | 39-3 | 36-3 | 2-15 | 2-5 | 0-2 | 90 | 552 | 70-8 | 23-8 | 0-2 | 12 | 7 | 8 | 6 | 1-0 | |
| | | Mar. | 29-816 | 1-176 | 32-5 | 25-5 | 35-7 | 50-8 | 36-4 | 14-4 | 43-1 | 38-3 | 2-62 | 2-7 | 0-5 | 83 | 560 | 70-8 | 23-8 | 0-2 | 12 | 7 | 8 | 6 | 1-0 | |
| OSBORNE (Isle of Wight). | 172 | Jan. | 29-683 | 1-080 | 50-3 | 12-0 | 38-3 | 37-8 | 35-7 | 11-1 | 32-4 | 30-5 | 1-71 | 2-0 | 0-1 | 93 | 550 | 48-2 | 23-3 | 0-5 | 12 | 9 | 5 | 5 | 6-4 | |
| | | Feb. | 29-651 | 1-214 | 33-0 | 25-0 | 28-0 | 44-3 | 33-9 | 10-4 | 38-8 | 36-8 | 2-19 | 2-6 | 0-2 | 91 | 551 | 70-2 | 31-8 | 0-5 | 8 | 8 | 7 | 5 | 2-78 | |
| | | Mar. | 29-721 | 1-354 | 32-8 | 24-1 | 38-7 | 51-9 | 37-5 | 14-4 | 43-5 | 39-2 | 2-39 | 2-8 | 0-4 | 84 | 547 | 56-3 | 34-3 | 0-4 | 6 | 8 | 8 | 9 | 2-69 | |
| BRIGHTON (Sussex). | 200 | Jan. | 29-664 | 1-064 | 49-0 | 11-4 | 37-6 | 36-7 | 37-6 | 9-1 | 32-3 | 28-5 | 1-56 | 1-8 | 0-3 | 85 | 559 | | 24-5 | 0-9 | 16 | 8 | 3 | 4 | 6-7 | |
| | | Feb. | 29-614 | 1-145 | 50-6 | 27-0 | 33-6 | 42-8 | 34-8 | 8-0 | 38-8 | 35-0 | 2-05 | 2-4 | 0-4 | 87 | 551 | | 33-1 | 1-0 | 10 | 7 | 5 | 6 | 5-04 | |
| | | Mar. | 29-705 | 1-181 | 57-0 | 24-6 | 32-4 | 48-0 | 36-5 | 11-5 | 42-1 | 34-5 | 2-01 | 2-4 | 0-7 | 79 | 549 | | 33-1 | 0-9 | 5 | 8 | 5 | 13 | 2-20 | |
| BOURNEMOUTH, South Bourne (Hants). | 95 | Jan. | 1-622 | 47-8 | 14-2 | 35-6 | 37-5 | 27-1 | 10-4 | 32-2 | 28-4 | 1-55 | 1-9 | 0-2 | 85 | 562 | | | | 1-2 | 10 | 8 | 5 | 5 | 3-22 | |
| | | Feb. | 1-233 | 51-3 | 17-1 | 37-2 | 43-6 | 34-3 | 39-3 | 88-7 | 33-8 | 1-05 | 2-2 | 0-5 | 83 | 555 | | | | 1-0 | 10 | 8 | 5 | 5 | 3-22 | |
| | | Mar. | 1-337 | 39-9 | 34-2 | 35-7 | 49-7 | 37-6 | 12-4 | 42-8 | 37-2 | 1-45 | 1-9 | 0-2 | 82 | 551 | | | | 1-2 | 9 | 3 | 11 | 2-46 | | |
| SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 138 | Jan. | 29-687 | 1-738 | 23-0 | 2-5 | 49-5 | 37-1 | 21-6 | 15-5 | 39-7 | 27-9 | 1-23 | 1-8 | 0-2 | 89 | 563 | 52-0 | 20-0 | 1-9 | 13 | 13 | 8 | 5 | 2-80 | |
| | | Feb. | 29-629 | 1-900 | 23-0 | 19-5 | 32-5 | 45-0 | 31-3 | 13-7 | 38-6 | 35-3 | 2-05 | 2-4 | 0-3 | 88 | 551 | 64-4 | 27-6 | 1-5 | 9 | 8 | 6 | 2-80 | | |
| | | Mar. | 29-600 | 1-346 | 63-0 | 18-0 | 45-0 | 52-3 | 35-1 | 17-2 | 42-9 | 38-7 | 2-26 | 2-7 | 0-4 | 87 | 548 | 89-8 | 29-7 | 1-3 | 9 | 8 | 5 | 1-74 | | |
| BARNSTAPLE (Devon). | 43 | Jan. | 29-818 | 1-770 | 23-0 | 4-0 | 40-0 | 39-2 | 26-7 | 12-5 | 39-9 | 30-8 | 1-72 | 2-0 | 0-2 | 90 | 561 | | | 1-0 | 10 | 15 | 4 | 2 | 4-5 | |
| | | Feb. | 29-772 | 1-240 | 54-0 | 28-0 | 36-0 | 47-3 | 37-6 | 9-7 | 42-3 | 38-7 | 2-35 | 2-7 | 0-4 | 82 | 550 | | | | 1-2 | 10 | 4 | 6 | 1-74 | |
| | | Mar. | 29-851 | 1-480 | 38-0 | 23-0 | 33-0 | 55-1 | 33-2 | 15-9 | 45-4 | | 2-42 | 2-8 | 0-5 | 70 | 547 | | | | 1-4 | 4 | 10 | 7 | 2-83 | |

| Year 1881. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | | Mean Tem- perature. | | Mean Reading of Thermometer. | Wind. | | | | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|-------------------------------------|-------------------------------------|--------|-----------------|------------------------------|--------------|----------------|------|------------------------|------------|------------------------------------|--|-----|-----|-----|-------|----------------------------|-----|-------------------------|--|--|----------------------------|----------------------|------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | Mean. | Range. | Mean. | | | | Air. | | Dew Point. | | Relative Proportion of Strength. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Of all Highest. | Of all Lowest. | Daily Range. | Elastic Force. | | | | | | | | | | In a Cubic foot of Air. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | Short of Saturation. | Mean Degree of Humi- dity, each = 100. | Mean Weight of a Cubic foot of Air. | Maximum in Kays of Sun. | Minimum on Grass. | Estimated. | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | | | | | | | | | | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |

At Beachey Head, at
 " Strathfield Turgies
 " Oxford.
 " Cardington,
 " Nottingham.
 " Holham,

Lightning was seen but thunder was not heard in Devonshire on February 7th and 8th.

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING JUNE 30, 1881.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING JUNE 30TH, 1881.

By JAMES GLAISHER, Esq., F.R.S., &c.

The cold east and north-east winds which set in towards the end of March, continued till the 10th of April, the sky being generally clear; the direction of the wind then changed to the S.W., but came back again on the 17th to a compound of the east. The weather was very cold at the beginning of the month; it was warm from the 10th to the 18th, and moderately cold afterwards. The fall of rain in the month was small.

The weather in May was cold at the beginning of the month, with a cloudy sky; then there were a few warm days, succeeded by some very cold weather; on the 10th and 11th the temperature was everywhere low, the minimum at many places being below 32°, and at some as low as 22° and 23°; the thermometer on grass was still lower. A great deal of damage was done to many crops, by the severity of this May frost. During the remainder of the month the weather was for a few days warm, and then for a few days cold, and so alternately to the end of the month. Some warm rain fell in the middle of the month, and again at the end. The month was most favourable for agricultural work.

The weather during the first few days in June was warm, with the wind from the S.W.; the wind then changed to the N. and N.W., and continued so till the middle of the month. The remainder of the month was changeable, but was very favourable for all agricultural operations. On the 12th of June at 8 p.m. the Island of Alderney, which is 20 miles N.N.E. of Guernsey, was seen from there for 20 minutes as a mirage.

The mean daily temperature of the air was below the average till April 9th, the daily deficiency being 3°; from the 10th to the 18th the weather was warm, the average daily excess being 4°; from April 19th to May 22nd, the temperature was very variable, being for a few days together above the average, and then for a few days below the average, the latter, however, preponderating; the average deficiency of daily temperature for the 34 days ending May 22nd, was 1°·6; from May 23rd to June 4th there was a period of warm weather, the average daily excess of these 13 days being 5°·3; from June 5th to 14th there was a period of equally cold weather, the average daily deficiency being 5°·3; then for four days the temperature was 1°·8 in excess daily, and from June 19th to the end of the quarter the average daily deficiency of temperature was 1°·1.

The mean temperature of the air for April was 45°·9, being 0°·2 and 1°·2 below the average of 110 years and 40 years respectively; it was 1°·2 lower than in April 1880, but 2°·7 higher than in April 1879.

The mean temperature of the air for May was 54°·1, being 1°·6 and 1°·5 above the average of 110 years, and 40 years respectively; it was 1°·5 higher than in May 1880, and 5°·7 higher than in May 1879.

The mean temperature of the air for June was 58°·7, being 0°·5 above the average of 110 years, but 0°·2 below that of the 40 years; it was 1°·2 higher than in June 1880, and 1°·8 higher than in June 1879.

The mean temperature for the quarter was 52°·9, being 0°·6 above the average of 110 years, but the same as the average of the preceding 40 years.

The mean high day temperature of the air in April was 55°·6, being 2° below the average of 40 years; in May it was 65°·8, being 1°·6 above the average, and in June it was 70°, being 1° below the average.

The mean low night temperature of the air was in April 37°·5, being 1°·7 below its average in May it was 43°·6, being very nearly the same as the average, and in June it was 49°·7, being 0°·2 below the average, therefore the high day temperature was low in April and June, and high in May; the low night temperatures were low in April, but of very nearly their average values in May and June.

The mean daily range of temperature was 2°·1 greater than the average in May, and was 0°·3 and 0°·7 smaller than the average in April and June.

The mean temperature of the air in April was higher than in March by 3°·3; in May higher than in April by 8°·2, and in June higher than in May by 4°·6.

(From the preceding 40 years observations the increase of temperature from March to April is 5°·4; from April to May is 5°·5, and from May to June is 6°·3).

The mean increase of temperature from March to April from all stations south of 51° was 2°·3; and from stations north of 51° was 3°·3.

From April to May the increase was 7°·5 at stations south of latitude 52°, and was 8°·8 at stations north of this parallel.

From May to June the increase was nearly the same everywhere, and was 3°·5.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | Amount collected. | | |
|---------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|-----|----|-----|-----------------------|-----------------------|----------------------------------|-------------------|------|------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | |
| Guernsey | 29·687 | 63·0 | 24·5 | 38·5 | 47·3 | 38·8 | 28·5 | 8·5 | 42·5 | 39·6 | 24·0 | 0·8 | 88 | 548 | 72·1 | 36·0 | 1·7 | 8 | 10 | 5 | 6 | 2·1 | 5·6 | 49 | 11·00 | | | |
| Truro | 29·649 | 53·0 | 12·0 | 46·0 | 47·4 | 34·7 | 36·3 | 12·7 | 40·4 | 37·4 | 22·9 | 0·6 | 89 | 558 | 72·1 | 36·0 | 1·7 | 8 | 10 | 5 | 6 | 2·1 | 5·6 | 49 | 10·72 | | | |
| Plymouth | 29·720 | 57·9 | 17·0 | 40·9 | 45·9 | 34·7 | 29·0 | 11·2 | 39·8 | 36·7 | 21·7 | 0·5 | 88 | 554 | 72·1 | 36·0 | 1·7 | 9 | 9 | 5 | 6 | 1·1 | 7·3 | 40 | 10·70 | | | |
| Totnes | 29·770 | 64·2 | 8·5 | 55·4 | 46·8 | 32·4 | 45·8 | 14·4 | 39·0 | 35·1 | 20·7 | 0·4 | 88 | 555 | 80·2 | 29·1 | 1·7 | 9 | 9 | 4 | 7 | 1·2 | 6·3 | 39 | 9·40 | | | |
| Torquay | 29·661 | 59·0 | 15·8 | 43·7 | 45·0 | 34·7 | 34·1 | 10·8 | 39·8 | 35·8 | 20·7 | 0·4 | 88 | 548 | 85·9 | 27·7 | 1·7 | 7 | 9 | 5 | 8 | 1·4 | 13 | 47 | 13·87 | | | |
| Ventnor | 29·739 | 60·2 | 14·6 | 45·6 | 45·8 | 34·6 | 30·6 | 11·2 | 39·3 | 35·8 | 21·1 | 0·4 | 88 | 553 | — | — | — | 11 | 8 | 5 | 8 | 4·2 | 6·3 | 40 | 9·97 | | | |
| Eastbourne | 29·602 | 62·2 | 12·8 | 49·4 | 44·7 | 32·7 | 33·3 | 12·0 | 38·7 | 34·8 | 20·4 | 0·4 | 88 | 554 | 76·4 | 22·2 | 0·2 | 11 | 8 | 5 | 6 | 1·2 | — | 0 | 7·67 | | | |
| Osborne | 29·607 | 62·8 | 12·0 | 50·8 | 44·7 | 32·7 | 35·0 | 12·0 | 38·7 | 34·8 | 20·5 | 0·5 | 88 | 552 | 71·6 | 29·6 | 0·9 | 9 | 8 | 7 | 6 | — | 6·5 | 28 | 9·05 | | | |
| Southbourne | — | 39·9 | 12·2 | 47·7 | 43·6 | 32·9 | 31·2 | 10·7 | 37·7 | 33·2 | 19·2 | 0·5 | 84 | 556 | — | — | 1·12 | 8 | 3 | 7 | — | 6·0 | 8 | 8·38 | | | | |
| Brighton | 29·609 | 57·0 | 11·4 | 45·6 | 43·5 | 33·0 | 31·8 | 9·5 | 37·7 | 32·7 | 18·7 | 0·5 | 84 | 553 | — | 29·8 | 0·9 | 10 | 8 | 4 | 8 | — | 7·2 | 36 | 8·04 | | | |
| Salisbury | 29·681 | 63·0 | 2·5 | 60·5 | 44·8 | 29·3 | 42·3 | 15·5 | 36·9 | 32·7 | 19·7 | 0·3 | 88 | 554 | 68·7 | 30·0 | 1·2 | 10 | 4 | 6 | — | 6·7 | 39 | 9·46 | | | | |
| Barnstaple | 29·616 | 58·0 | 8·0 | 50·0 | 47·2 | 34·5 | 35·0 | 12·7 | 40·2 | 33·5 | 21·6 | 0·3 | 88 | 553 | 75·1 | 29·7 | 1·2 | 9 | 8 | 5 | 10 | — | 4·5 | 42 | 8·50 | | | |
| Ramsgate | 29·675 | 57·5 | 13·0 | 42·5 | 43·0 | 33·7 | 29·4 | 9·3 | 37·9 | 34·6 | 20·2 | 0·3 | 88 | 554 | — | — | 1·4 | 4 | 10 | 7 | 8 | — | 7·1 | 54 | 4·64 | | | |
| Bath | 29·607 | 60·0 | 8·8 | 51·2 | 42·1 | 31·3 | 33·7 | 10·8 | 36·4 | 34·4 | 20·2 | 0·3 | 88 | 554 | 78·4 | 29·2 | 1·5 | 7 | 9 | 6 | 8 | — | 7·2 | 40 | 10·84 | | | |
| Stratfield Turgiss | 29·602 | 62·1 | 3·9 | 58·2 | 44·1 | 30·2 | 38·4 | 13·9 | 36·8 | 33·0 | 19·0 | 0·3 | 88 | 554 | 68·1 | 24·8 | 1·1 | 8 | 9 | 5 | 8 | 1·3 | 6·7 | 54 | 5·03 | | | |
| Marlborough | 29·609 | 61·0 | 6·9 | 54·1 | 42·6 | 30·6 | 35·3 | 12·0 | 35·8 | 32·6 | 18·8 | 0·3 | 88 | 549 | 72·4 | 26·3 | 0·7 | 5 | 14 | 3 | 8 | — | 6·7 | 39 | 9·12 | | | |
| Blackheath | 29·680 | 59·8 | 9·2 | 50·6 | 44·9 | 32·6 | 32·8 | 10·3 | 37·5 | 33·1 | 18·9 | 0·3 | 88 | 553 | 75·1 | 29·7 | 1·2 | 9 | 8 | 5 | 10 | — | 7·5 | 34 | 6·26 | | | |
| Whitechurch | 29·606 | 58·0 | 5·3 | 52·7 | 42·8 | 31·0 | 33·1 | 11·8 | 35·8 | 34·1 | 19·9 | 0·4 | 88 | 554 | 78·4 | 29·2 | 1·4 | 4 | 10 | 7 | 8 | — | 7·1 | 30 | 6·58 | | | |
| Chandos Square | 29·679 | 60·3 | 11·8 | 48·5 | 43·5 | 32·0 | 33·1 | 11·5 | 36·7 | 33·8 | 19·6 | 0·3 | 88 | 555 | 63·1 | 28·7 | 1·0 | 7 | 5 | 8 | 1 | 7·2 | 35 | 7·94 | | | | |
| Oxford | 29·657 | 59·2 | 6·8 | 52·4 | 43·0 | 31·6 | 34·7 | 11·3 | 36·4 | — | — | — | — | — | 70·8 | 29·6 | 1·9 | 9 | 7 | 5 | 9 | 1·2 | 7·2 | 46 | 5·92 | | | |
| Gloucester | 29·606 | 61·0 | 6·0 | 55·0 | 44·1 | 29·5 | 40·2 | 14·7 | 36·6 | 33·9 | 20·0 | 0·3 | 90 | 556 | 67·9 | 24·1 | 0·6 | 10 | 7 | 6 | 7 | — | — | 27 | 4·94 | | | |
| Royston | 29·718 | 60·3 | 7·7 | 52·6 | 42·1 | 29·5 | 32·5 | 12·6 | 35·9 | 33·0 | 18·5 | 0·2 | 88 | 554 | — | — | — | 8 | 6 | 8 | 9 | — | — | 38 | 5·27 | | | |
| Cardington | 29·663 | 59·0 | 0·0 | 59·0 | 42·5 | 29·7 | 37·8 | 12·8 | 35·9 | 32·6 | 18·8 | 0·1 | 88 | 556 | 55·8 | 27·9 | 1·0 | 8 | 8 | 5 | 9 | — | — | 41 | 4·52 | | | |
| Cambridge | 29·607 | 61·3 | 2·0 | 63·8 | 43·2 | 30·9 | 39·9 | 12·3 | 36·6 | 33·2 | 19·2 | 0·3 | 88 | 557 | 74·1 | 26·6 | 1·2 | 9 | 6 | 7 | 8 | — | — | 49 | 4·96 | | | |
| Stockton near Rugby | 29·673 | 59·0 | 3·0 | 57·0 | 43·3 | 25·4 | 38·5 | 14·9 | 35·6 | 33·4 | 19·4 | 0·2 | 92 | 552 | — | — | — | 0·4 | 8 | 7 | 9 | — | — | 67 | 4·0 | | | |
| Lowestoft | 29·604 | 60·1 | 9·2 | 50·9 | 42·0 | 31·5 | 32·5 | 10·1 | 36·9 | 33·6 | 19·4 | 0·3 | 87 | 555 | 67·7 | 29·4 | 0·7 | 6 | 8 | 5 | 11 | — | — | 66 | 4·9 | | | |
| Somerleyton | 29·672 | 60·5 | 4·8 | 55·7 | 41·2 | 30·9 | 35·2 | 10·3 | 35·8 | 33·3 | 18·3 | 0·2 | 91 | 558 | — | — | — | 1·0 | 7 | 8 | 9 | 6·7 | 58 | 50 | 6·11 | | | |
| Wolverhampton | 29·670 | 57·3 | 4·3 | 53·0 | 40·5 | 28·5 | 35·8 | 12·0 | 34·5 | 31·9 | 17·0 | 0·3 | 89 | 549 | — | — | — | 1·5 | 10 | 7 | 8 | — | — | 77 | 3·4 | | | |
| Leicester | 29·676 | 59·7 | 5·2 | 54·5 | 41·6 | 31·0 | 34·8 | 10·6 | 36·2 | 32·8 | 18·0 | 0·2 | 89 | 553 | 67·8 | 24·7 | 0·9 | 8 | 7 | 8 | 7 | — | — | 75 | 4·1 | | | |
| Nottingham | 29·677 | 60·2 | 1·9 | 58·3 | 41·8 | 29·5 | 38·4 | 12·3 | 35·3 | 32·2 | 18·1 | 0·1 | 88 | 556 | 67·9 | 27·8 | 0·3 | 8 | 10 | 5 | 8 | — | — | 72 | 4·7 | | | |
| Holkham | 29·689 | 58·2 | 4·6 | 53·6 | 41·5 | 28·6 | 35·4 | 13·0 | 35·4 | 30·8 | 17·4 | 0·1 | 83 | 558 | 66·8 | 23·0 | 1·5 | 7 | 6 | 11 | 7 | — | — | 70 | 3·3 | | | |
| Llandudno | 29·645 | 55·0 | 10·5 | 45·5 | 43·7 | 34·4 | 29·1 | 9·4 | 38·9 | 33·6 | 19·6 | 0·3 | 84 | 551 | — | — | — | 1·0 | 8 | 8 | 7 | 12 | — | — | 62 | 4·2 | | |
| Liverpool | 29·667 | 54·4 | 8·5 | 45·9 | 41·1 | 32·0 | 28·7 | 8·6 | 36·0 | 32·1 | 18·3 | 0·1 | 84 | 554 | — | — | — | 1·0 | 8 | 8 | 7 | 12 | — | — | 62 | 4·2 | | |
| Bolton | 29·664 | 53·7 | 8·5 | 45·9 | 39·9 | 28·9 | 35·2 | 11·0 | 34·5 | 31·0 | 17·7 | 0·1 | 83 | 550 | — | — | — | 0·6 | 7 | 7 | 8 | 4·7 | — | — | 74 | 5·1 | | |
| Bermerside | 29·731 | 56·0 | 10·0 | 46·0 | 39·1 | 29·0 | 33·3 | 10·1 | 33·7 | 30·6 | 20·5 | 0·2 | 87 | 551 | 59·7 | 27·9 | 0·5 | 6 | 10 | 5 | 10 | — | — | 73 | 4·6 | | | |
| Hull | 29·751 | 58·0 | 6·0 | 52·0 | 40·4 | 29·1 | 35·3 | 11·3 | 34·7 | — | — | — | — | — | 52·7 | 27·0 | 1·3 | — | — | — | — | — | — | 51 | 6·95 | | | |
| Stonyhurst | 29·719 | 55·9 | 4·6 | 51·3 | 41·3 | 29·0 | 37·0 | 12·3 | 34·7 | 30·6 | 17·5 | 1·9 | 0·4 | 86 | 552 | 72·7 | 27·6 | — | 9 | 9 | 4 | 8 | — | — | 72 | 4·9 | | |
| Bradford | 29·632 | 59·0 | 12·0 | 41·6 | 40·1 | 30·9 | 33·6 | 9·2 | 35·2 | 32·4 | 18·6 | 2·2 | 0·3 | 90 | 551 | 49·5 | — | 0·5 | 7 | 8 | 7 | 8 | — | — | 72 | 4·9 | | |
| Leeds | 29·633 | 58·0 | 12·0 | 47·0 | 42·1 | 31·1 | 33·3 | 11·0 | 36·6 | 32·4 | 18·5 | 2·1 | 0·3 | 84 | 553 | 47·3 | — | 1·7 | 7 | 8 | 4 | 11 | — | — | 41 | 8·08 | | |
| Cockermouth | 29·672 | 55·0 | 4·4 | 53·6 | 41·0 | 29·7 | 38·3 | 11·3 | 31·6 | 30·6 | 17·4 | 2·1 | 0·4 | 84 | 536 | 59·2 | 26·6 | 0·4 | 6 | 18 | 6 | 5 | 1·5 | 6·9 | 49 | 7·90 | | |
| Silloth | 29·681 | 55·0 | 0·0 | 55·0 | 39·8 | 28·7 | 32·6 | 11·1 | 34·0 | 28·8 | 16·4 | 1·9 | 0·4 | 82 | 560 | 69·5 | 23·3 | 1·2 | 5 | 12 | 3 | 10 | 7·5 | 5·9 | 42 | 6·95 | | |
| Carlisle | 29·662 | 57·8 | 5·5 | 53·2 | 40·7 | 29·8 | 34·3 | 13·9 | 33·5 | 30·5 | 17·4 | 2·0 | 0·3 | 88 | 558 | 60·2 | 30·1 | 1·3 | 2 | 13 | 3 | 13 | — | — | 72 | 5·28 | | |
| Bywell | 29·611 | 50·0 | 7·0 | 43·0 | 38·8 | 23·9 | 30·7 | 10·6 | 32·7 | 29·3 | 16·3 | 1·9 | 0·3 | 85 | 559 | — | — | — | 20·9 | 1·1 | 8 | 3 | 16 | — | — | 8·27 | 5·53 | |
| North Shields | — | 55·0 | 6·0 | 49·0 | 38·8 | 29·9 | 34·0 | 8·7 | 33·8 | 32·0 | 18·1 | 2·2 | 0·2 | 93 | 559 | — | — | — | 29·5 | 1·5 | 10 | 7 | 4 | 10 | — | 6·5 | 57 | 8·38 |

Near London the mean daily pressure of the atmosphere till April 6th was below the average by 0.057 in.; from the 7th to the 10th it was above by 0.116 in.; then for four days it was below by 0.070 in. daily; for five days above by 0.037 in.; from the 20th to the 22nd below by 0.148 in., and from the 23rd to the 29th above by 0.101 in. April 28th was the only day in the month on which the mean pressure reached 30 ins.

On the first two days of May the barometer reading was low, from the 3rd to the 14th it was high, the reading being constantly above 30 ins. from the 5th to the 12th; on the 10th it was as high as 30.458 ins. or 0.717 in. above the average, this was the day of low temperature and frost. The average excess of daily pressure to the 12th of May was 0.402 ins.; from the 15th to the 19th there was an average defect of 0.216 in.; from 20th to 24th an excess of 0.272 in.; and a defect of 0.112 in. till the 28th. From May 29th to June 3rd the pressure was above the average by 0.212 in. daily; from June 4th to 7th it was low, being 0.335 in. daily in defect of the average; to the 14th the pressure was a little above the average; from June 15th to 22nd it was 0.116 in. below, and from June 23rd to the end of the month it was high, being 0.147 in. above the average.

| 1881. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | Weight of Vapour in a Cubic Foot of Air. | | | |
|------------------|----------------|---|--------------|--|------------|--|----------------------|--|-----------------------------|---|--|-------------|-------------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | Mean. | Diff. from ave- rage of 40 years. | | |
| | Mean. | Diff. from ave- rage of 110 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | | | | | |
| April - | 45.9 | -0.2 | -1.2 | 42.2 | -1.8 | 37.9 | -2.6 | 18.1 | -0.3 | in. 280 | in. -0.023 | grs. 2.6 | gr. -0.3 |
| May - | 54.1 | +1.6 | +1.5 | 49.4 | +0.6 | 44.7 | -0.3 | 22.5 | +2.1 | 286 | -0.002 | 3.4 | 0.0 |
| June - | 58.7 | +0.5 | -0.2 | 53.9 | -0.7 | 49.6 | -1.1 | 20.3 | -0.7 | 326 | -0.015 | 4.0 | -0.1 |
| Means - | 52.9 | +0.6 | 0.0 | 48.5 | -0.6 | 44.1 | -1.3 | 20.3 | +0.4 | 294 | -0.013 | 3.3 | -0.1 |

| 1881. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horiz- ontal move- ment of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | Mean. | | Mean. | | Mean. | | Amount. | | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Amount. | Diff. from ave- rage of 60 years. | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| April - | 74 | - 5 | 29.772 | +0.016 | grs. 546 | grs. + 3 | in. 0.62 | in. -1.04 | Miles. 357 | 14 | 10 | 6 | 24.3 | 43.1 |
| May - | 71 | - 5 | 29.929 | +0.143 | 540 | - 1 | 1.62 | -0.46 | 286 | 6 | 14 | 11 | 21.9 | 55.3 |
| June - | 72 | - 2 | 29.806 | 0.000 | 532 | 0 | 1.86 | -0.14 | 230 | 0 | 8 | 22 | 33.1 | 54.0 |
| Means - | 72 | - 4 | 29.836 | +0.053 | 539 | + 1 | Sum 4.10 | Sum -1.64 | Mean 291 | Sum 20 | Sum 32 | Sum 39 | Lowest 21.9 | Highest 55.3 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follow:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|-----------------------|--------|----------|-------------------------------|-------|----------|-------------------------------|-------|----------|-------------------------------|
| | 1881. | Average. | Departure from Average. | 1881. | Average. | Departure from Average. | 1881. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3 | 2½ | +½ | 2 | 1½ | +½ | 2 | 2 | 0 |
| N. | 3 | 4 | -1 | 6 | 4½ | +1½ | 4 | 3½ | -½ |
| N.E. | 10 | 6 | +4 | 6 | 7 | -1 | 1 | 3½ | -2½ |
| E. | 5 | 3½ | +1½ | 3 | 2½ | +½ | 2 | 2 | 0 |
| S.E. | 1 | 2 | -1 | 0 | 1½ | -1½ | 3 | 1½ | -1½ |
| S. | 1 | 2½ | -1½ | 1 | 2½ | -1½ | 5 | 2 | +3 |
| S.W. | 4 | 6½ | -2½ | 10 | 7½ | +2½ | 7 | 10 | -3 |
| W. | 3 | 2½ | +½ | 3 | 2 | +1 | 6 | 3½ | +2½ |

The sign (+) denotes excesses over averages; in April the largest number with a (+) sign is that opposite to N.E., in May opposite to S.W., and in June opposite to S.

The sign (-) denotes deficiencies below averages. In April the largest number is opposite to S.W., in May to S.E. and S., and in June to S.W.

The mean reading of the barometer for the month of April was 29.772 ins. being 0.016 in. above the average of 40 years, and 0.071 in. above that of 1880, and 0.252 in. above that of 1879.

The mean reading for the month of May was 29.929 ins., being 0.143 in. above the average of 40 years, and 0.019 in. above that of 1880, and 0.096 in. above that of 1879.

The mean reading for the month of June was 29.806 ins. being the same as the average of 40 years, and 0.073 in. above that of 1880, and 0.165 in. above that of 1879.

The atmospheric pressure in April was 0.044 in. greater than in March; that in May was 0.155 in. greater than in April, and that of June was 0.123 in. less than in May. (From the 40 years' observations the mean pressure in April is 0.008 in. greater than in March; that in May 0.030 in. greater than in April, and that in June 0.020 greater than in May).

At all stations excepting Guernsey there was an increase of atmospheric pressure from March to April at stations South of latitude 51° of 0.01 in.; at those between latitudes 51° and 52° of 0.05 in.; between 52° and 53° of 0.07 in.; between 53° and 54° of 0.12 in., and North of 54° of 0.17 in.

From April to May there was a further increase at stations South of 51° amounting to 0.196 in.; between 51° and 52° to 0.158 in.; in the next degree to 0.131 in., and north of 53° to 0.075 in.

From May to June there was a decrease everywhere and nearly to the same amount, viz.; 0.126 in.

The fall of rain at Greenwich in April was 0.62 in., being 1.04 in. below the average of 65 years; the fall in May was 1.62 in., being 0.46 in. below the average, and in June it was 1.86 in. being 0.14 in. below the average. The fall in the quarter was 4.1 ins. being 1.64 in. below the average. The fall of rain in April was less than in 1880 by 1.6 in. and less than in 1879 by 2.0 ins.; the fall in May was less than in 1880 by 1.1 in., and less than in 1879 by 2.8 ins.; the fall in June was less than in 1880 by 0.4 in., and less than in 1879 by 2.4 ins.

Thunderstorms occurred in April on the 14th at Cardington; on the 16th at Bolton and Stonyhurst, and on the 26th at many places extending from latitude 50½ to 54°. In May, on the 4th at Royston, Cardington, and Cambridge; on the 19th at Bath, Wrotesley, and Stonyhurst; on the 25th at Silloth; on the 26th between latitudes 52° and 54°; on the 27th at Stonyhurst; on the 28th at stations south of latitude 52°, and on the 31st at Silloth. In June, on the 2nd at Salisbury and Cambridge; on the 3rd at Bolton; on the 6th at Strathfield Turgiss, Whitechurch, Cambridge, and Carlisle; on the 7th at Cardington; on the 15th and 18th at Carlisle, and on the 19th, 21st, and 22nd at Stonyhurst.

Thunder was heard but lightning was not seen in April, on the 10th and 13th at Silloth; on the 14th at Wrotesley; on the 25th at Lowestoft; on the 26th at Salisbury, Marlborough, and Lowestoft, and on the 27th at Wrotesley. In May on the 4th at Stockton near Rugby; on the 5th at Cambridge; on the 20th at Bermerside; on the 25th at Liverpool and Silloth; on the 26th at Oxford, Gloucester, Stockton, Liverpool, and Silloth; on the 27th at Bermerside; on the 28th at Ventnor, Bath, Royston, Stockton, and Silloth, and on the 29th at Silloth. In June, on the 2nd at Strathfield Turgiss, Oxford, and Gloucester; on the 3rd at Strathfield Turgiss, and Oxford; on the 4th at Silloth; on the 5th at Oxford and Bermerside; on the 6th at Osborne, Gloucester, Cardington, Wrotesley, and Silloth; on the 8th at Babbacombe, Wrotesley, and Carlisle; on the 14th at Hull; on the 15th and 16th at Ventnor; on the 20th at Liverpool; on the 22nd at Oxford and Wrotesley, and on the 28th at Oxford.

Lightning was seen but thunder was not heard in May on the 5th at Oxford; on the 23rd at Truro; on the 25th at Oxford and Norwich; on the 26th at Liverpool, Halifax, and Hull. On the 6th of June at Guernsey; and on the 19th at Liverpool.

Solar halos were seen in April on 8 days, in May on 7 days, and in June on 3 days.

Lunar halos were seen on 5 nights in April; and on 2 in May.

Aurora Borealis was seen on April 20th at Cambridge, Llandudno, and Stonyhurst.

Snow fell in April on the 5th at Marlborough; on the 19th it fell generally between latitude 51° and 54°; on the 20th there were large flakes of snow at Guernsey and snow fell generally over the country in small quantities, and on the 21st it fell at Bath, Barnet, Royston, Lowestoft, Cambridge, Llandudno, Hull, and Bradford.

Hail fell in April on the 11th, 16th, 17th, 19th, 20th, 21st, 23rd, 25th, 26th, and 28th at different stations; in May on the 1st, 3rd, 4th, 19th, 20th, and 26th, and in June on the 6th, 7th, 8th, 9th, and 22nd.

Fog prevailed on 8 days in April, on 13 days in May, and on 12 days in June.

Meteorological Table, Quarter ending June 30th, 1881.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1881.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1881. | Month. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | Mean Reading of Thermometer. | | | Wind. | | | Rain. |
|------------|--------|------------------------------------|--|---------------------------|-------------|----------|------------------------------|--------|-----------------|-------------------|-------|---------|------------------------------|----------------|-------------------------------------|--------------------------|----------------------------------|-----------------------|-----------------|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Air. | Dew Point. | Elastic Force. | Mean Weight of a cubic foot of Air. | Mean Degree of Humidity. | Relative Proportion of Strength. | Mean Amount of Cloud. | Amount of Rain. |
| | | | | | | | | | | | | | | | | | | | |
| April | 29-30 | 607 | GURNEY, ADAMUS COLLETT, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | GURNEY, ADAMUS COLLETT, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | GURNEY, ADAMUS COLLETT, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | TRURO (Cornwall), C. BAHAM, Esq., M.D., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | TRURO (Cornwall), C. BAHAM, Esq., M.D., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | TRURO (Cornwall), C. BAHAM, Esq., M.D., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | PLYMOUTH (Devon), J. M. MARRIOTT, Esq., LL.D., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | PLYMOUTH (Devon), J. M. MARRIOTT, Esq., LL.D., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | PLYMOUTH (Devon), J. M. MARRIOTT, Esq., LL.D., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | TOTNES (Devon), T. H. EDMONDS, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | TOTNES (Devon), T. H. EDMONDS, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | TOTNES (Devon), T. H. EDMONDS, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | TORQUAY, Babacomb (Devon), EDWIN E. GLYDE, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | TORQUAY, Babacomb (Devon), EDWIN E. GLYDE, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | TORQUAY, Babacomb (Devon), EDWIN E. GLYDE, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption), J. COLLING, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption), J. COLLING, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption), J. COLLING, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | EASTBOURNE (Sussex), Miss W. L. HALL. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | EASTBOURNE (Sussex), Miss W. L. HALL. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | EASTBOURNE (Sussex), Miss W. L. HALL. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | BRIGHTON (Sussex), F. E. SAWYER, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | BRIGHTON (Sussex), F. E. SAWYER, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | BRIGHTON (Sussex), F. E. SAWYER, Esq., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| April | 29-30 | 607 | RAMSGATE (Kent), REV. T. E. EGAN, O.S.B. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| May | 29-30 | 607 | RAMSGATE (Kent), REV. T. E. EGAN, O.S.B. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |
| June | 29-30 | 607 | RAMSGATE (Kent), REV. T. E. EGAN, O.S.B. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 |

Meteorological Table, Quarter ending June 30th, 1881.

| Year 1881. | Months. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | | Wind. | | | Rain. | |
|------------|---------|------------------------------------|---|---------------------------|-------------|----------|------------------------------|--------|-----------------|-------------------|-------|---------|------------|------------------------------|-------------------------------------|--------------------------|------------------------|-----------------------|------------------------|-------|-------------------|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Air. | Dew Point. | Elastic Force. | Mean Weight of a cubic foot of Air. | Mean Degree of Humidity. | Relative Proportion of | Mean Amount of Cloud. | Number of Days in all. | | Amount collected. |
| | | | | | | | | | | | | | | | | | | | | | |
| April | 29-30 | 607 | CATERHAM (Surrey), Metropolitan Asylum, G. STANLEY ELLIOT, Esq., M.D. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.08 | |
| May | 29-30 | 607 | CATERHAM (Surrey), Metropolitan Asylum, G. STANLEY ELLIOT, Esq., M.D. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 2.00 | |
| June | 29-30 | 607 | CATERHAM (Surrey), Metropolitan Asylum, G. STANLEY ELLIOT, Esq., M.D. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.68 | |
| April | 29-77 | 397 | STRAFFIELD TUNNERS (Hants), REV. C. H. GRIFFITH, M.A., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.72 | |
| May | 29-86 | 397 | STRAFFIELD TUNNERS (Hants), REV. C. H. GRIFFITH, M.A., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.72 | |
| June | 29-78 | 397 | STRAFFIELD TUNNERS (Hants), REV. C. H. GRIFFITH, M.A., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.20 | |
| April | 29-325 | 397 | BATH (Somerset), St. Gregory's College, Downside, REV. T. J. ALMOND, O.S.B., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.94 | |
| May | 29-447 | 397 | BATH (Somerset), St. Gregory's College, Downside, REV. T. J. ALMOND, O.S.B., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 3.22 | |
| June | 29-784 | 397 | BATH (Somerset), St. Gregory's College, Downside, REV. T. J. ALMOND, O.S.B., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 3.36 | |
| April | 29-430 | 436 | MARLBOROUGH (Wills), REV. THOMAS A. PRESTON, M.A., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.87 | |
| May | 29-367 | 436 | MARLBOROUGH (Wills), REV. THOMAS A. PRESTON, M.A., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.50 | |
| June | 29-437 | 436 | MARLBOROUGH (Wills), REV. THOMAS A. PRESTON, M.A., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 2.29 | |
| April | 29-761 | 160 | BLACKHEATH (Kent), JAMES GLASHER, Esq., F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.46 | |
| May | 29-631 | 160 | BLACKHEATH (Kent), JAMES GLASHER, Esq., F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.62 | |
| June | 29-804 | 160 | BLACKHEATH (Kent), JAMES GLASHER, Esq., F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.63 | |
| April | 29-781 | 125 | WHITCHURCH RECTORY (Oxon), (near Reading), REV. J. SLATTERY, M.A., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.49 | |
| May | 29-914 | 125 | WHITCHURCH RECTORY (Oxon), (near Reading), REV. J. SLATTERY, M.A., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.56 | |
| June | 29-826 | 125 | WHITCHURCH RECTORY (Oxon), (near Reading), REV. J. SLATTERY, M.A., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 2.03 | |
| April | 29-814 | 225 | CAMDEN SQUARE (London), G. J. SIMONS, Esq., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.46 | |
| May | 29-669 | 225 | CAMDEN SQUARE (London), G. J. SIMONS, Esq., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.62 | |
| June | 29-843 | 225 | CAMDEN SQUARE (London), G. J. SIMONS, Esq., F.R.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.72 | |
| April | 29-777 | 212 | BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.44 | |
| May | 29-787 | 212 | BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.15 | |
| June | 29-792 | 212 | BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.83 | |
| April | 29-727 | 210 | OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.68 | |
| May | 29-869 | 210 | OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.74 | |
| June | 29-746 | 210 | OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.70 | |
| April | 29-846 | 100 | GLOUCESTER COUNTY ASYLUM, E. TOLLER, Esq., M.R.C.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.62 | |
| May | 29-801 | 100 | GLOUCESTER COUNTY ASYLUM, E. TOLLER, Esq., M.R.C.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.11 | |
| June | 29-801 | 100 | GLOUCESTER COUNTY ASYLUM, E. TOLLER, Esq., M.R.C.S., F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 2.75 | |
| April | 29-680 | 239 | ROYSTON (Hertfordshire), F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.62 | |
| May | 29-888 | 239 | ROYSTON (Hertfordshire), F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.02 | |
| June | 29-714 | 239 | ROYSTON (Hertfordshire), F.M.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.06 | |
| April | 29-818 | 103 | BEDFORD, CARDINGTON, MR. J. MCLEAREN, Assistant to S. W. WHITEHEAD, Esq., M.P. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.67 | |
| May | 29-830 | 103 | BEDFORD, CARDINGTON, MR. J. MCLEAREN, Assistant to S. W. WHITEHEAD, Esq., M.P. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.70 | |
| June | 29-830 | 103 | BEDFORD, CARDINGTON, MR. J. MCLEAREN, Assistant to S. W. WHITEHEAD, Esq., M.P. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 2.63 | |
| April | 29-829 | 40 | DANBRIDGE (Trinity College), F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.64 | |
| May | 29-697 | 40 | DANBRIDGE (Trinity College), F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 1.04 | |
| June | 29-829 | 40 | DANBRIDGE (Trinity College), F.R.S. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 2.68 | |
| April | 29-629 | 289 | LUGBY (Warwickshire), Stockton, The Rectory, REV. W. TUCKWELL. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.88 | |
| May | 29-747 | 289 | LUGBY (Warwickshire), Stockton, The Rectory, REV. W. TUCKWELL. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 0.97 | |
| June | 29-677 | 289 | LUGBY (Warwickshire), Stockton, The Rectory, REV. W. TUCKWELL. | 29.82 | 29.82-29.82 | 29.82 | 29.82 | 0.00 | 29.82 | 29.82 | 29.82 | 45.7 | 45.7 | 29.82 | 72.5 | 72.5 | 1.0 | 1.0 | 1.0 | 2.03 | |

Meteorological Table, Quarter ending June 30th, 1881.

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1881. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|---|------------------------------------|------------|--------|----------------------------------|------|------------------------------|---------|-------------------|-------|---------|---------|------------------------------|-------|------------|--------|-----------------------|-------------------------|
| | | Month. | Mean. | Range. | | Range. | Lowest. | Highest. | Mean. | Range. | Lowest. | Highest. | Mean. | Direction. | Force. | Mean Amount of Cloud. | Number of Days it fell. |
| | | | | in. | ft. | | | | | | | | | | | | |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.M.S. | 89 | April | 29.861 | 0.532 | 61.9 | 32.9 | 29.0 | 61.9 | 38.2 | 11.3 | 43.1 | 37.4 | 22.5 | 6 | 15 | 6.1 | 12 |
| | | May | 29.861 | 0.532 | 61.9 | 32.9 | 29.0 | 61.9 | 38.2 | 11.3 | 43.1 | 37.4 | 22.5 | 6 | 15 | 6.1 | 12 |
| | | June | 29.861 | 0.532 | 61.9 | 32.9 | 29.0 | 61.9 | 38.2 | 11.3 | 43.1 | 37.4 | 22.5 | 6 | 15 | 6.1 | 12 |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.M.S. | 50 | April | 29.903 | 0.638 | 62.3 | 34.0 | 29.0 | 62.3 | 38.7 | 11.9 | 43.5 | 38.1 | 23.0 | 10 | 12 | 6.5 | 13 |
| | | May | 29.903 | 0.638 | 62.3 | 34.0 | 29.0 | 62.3 | 38.7 | 11.9 | 43.5 | 38.1 | 23.0 | 10 | 12 | 6.5 | 13 |
| | | June | 29.903 | 0.638 | 62.3 | 34.0 | 29.0 | 62.3 | 38.7 | 11.9 | 43.5 | 38.1 | 23.0 | 10 | 12 | 6.5 | 13 |
| WOLVERHAMPTON (Staffordshire), Wrottesley, E. SIMPSON, Esq. | 300 | April | 29.401 | 0.472 | 61.0 | 37.7 | 29.0 | 61.0 | 35.5 | 17.2 | 42.6 | 37.6 | 21.9 | 5 | 10 | 6.7 | 11 |
| | | May | 29.401 | 0.472 | 61.0 | 37.7 | 29.0 | 61.0 | 35.5 | 17.2 | 42.6 | 37.6 | 21.9 | 5 | 10 | 6.7 | 11 |
| | | June | 29.401 | 0.472 | 61.0 | 37.7 | 29.0 | 61.0 | 35.5 | 17.2 | 42.6 | 37.6 | 21.9 | 5 | 10 | 6.7 | 11 |
| LEICESTER (Town Museum), W. J. HARRISON, Esq., F.G.S. | 238 | April | 29.608 | 0.618 | 63.3 | 37.8 | 31.5 | 63.3 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | May | 29.608 | 0.618 | 63.3 | 37.8 | 31.5 | 63.3 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | June | 29.608 | 0.618 | 63.3 | 37.8 | 31.5 | 63.3 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| NOTTINGHAM (Notts), M.O. TABBOTT, Esq., C.E., F.G.S., F.M.S. | 138 | April | 29.772 | 0.494 | 67.6 | 38.0 | 33.6 | 67.6 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | May | 29.772 | 0.494 | 67.6 | 38.0 | 33.6 | 67.6 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | June | 29.772 | 0.494 | 67.6 | 38.0 | 33.6 | 67.6 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| LEANDUDNO (Carmarthenshire), JAMES NICOL, Esq., M.D. | 100 | April | 29.371 | 0.580 | 71.8 | 38.0 | 33.6 | 71.8 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | May | 29.371 | 0.580 | 71.8 | 38.0 | 33.6 | 71.8 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | June | 29.371 | 0.580 | 71.8 | 38.0 | 33.6 | 71.8 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 197 | April | 29.753 | 0.642 | 63.5 | 38.0 | 34.5 | 63.5 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | May | 29.753 | 0.642 | 63.5 | 38.0 | 34.5 | 63.5 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | June | 29.753 | 0.642 | 63.5 | 38.0 | 34.5 | 63.5 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| BOLTON, Sharples (Lancashire), REV. T. MACRETH, F.R.A.S., F.M.S. | 500 | April | 29.439 | 0.727 | 60.5 | 36.2 | 34.3 | 60.5 | 36.2 | 14.1 | 41.9 | 35.0 | 20.5 | 10 | 10 | 6.8 | 9 |
| | | May | 29.439 | 0.727 | 60.5 | 36.2 | 34.3 | 60.5 | 36.2 | 14.1 | 41.9 | 35.0 | 20.5 | 10 | 10 | 6.8 | 9 |
| | | June | 29.439 | 0.727 | 60.5 | 36.2 | 34.3 | 60.5 | 36.2 | 14.1 | 41.9 | 35.0 | 20.5 | 10 | 10 | 6.8 | 9 |
| HALIFAX, Bernerside Observatory (Yorkshire), E. J. CROSSLEY, Esq., F.R.A.S. | 830 | April | 29.476 | 0.520 | 63.2 | 35.0 | 33.4 | 63.2 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.476 | 0.520 | 63.2 | 35.0 | 33.4 | 63.2 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.476 | 0.520 | 63.2 | 35.0 | 33.4 | 63.2 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| HULL (Yorkshire), The People's Park, MR. E. FEARE. | 12 | April | 29.947 | 0.656 | 63.0 | 37.0 | 33.0 | 63.0 | 37.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.947 | 0.656 | 63.0 | 37.0 | 33.0 | 63.0 | 37.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.947 | 0.656 | 63.0 | 37.0 | 33.0 | 63.0 | 37.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| STONYHURST (Lancashire), REV. S. J. PERCY, F.R.S., F.M.S., F.G.S. | 393 | April | 29.903 | 0.655 | 63.1 | 36.3 | 33.0 | 63.1 | 36.3 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.903 | 0.655 | 63.1 | 36.3 | 33.0 | 63.1 | 36.3 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.903 | 0.655 | 63.1 | 36.3 | 33.0 | 63.1 | 36.3 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| BRADFORD (Yorkshire), J. McLANE, Esq., C.E., F.G.S. | 306 | April | 29.668 | 0.666 | 62.2 | 37.4 | 34.8 | 62.2 | 37.4 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.668 | 0.666 | 62.2 | 37.4 | 34.8 | 62.2 | 37.4 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.668 | 0.666 | 62.2 | 37.4 | 34.8 | 62.2 | 37.4 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| LEEDS (Yorkshire), The Philosophical Hall, HENRY CROWTHER, Esq. | 137 | April | 29.853 | 0.588 | 66.0 | 37.0 | 33.0 | 66.0 | 37.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.853 | 0.588 | 66.0 | 37.0 | 33.0 | 66.0 | 37.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.853 | 0.588 | 66.0 | 37.0 | 33.0 | 66.0 | 37.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| LANCASTER (Southfields), WILLIAM ROYCE, Esq. | 114 | April | 29.918 | 0.872 | 64.4 | 38.0 | 34.0 | 64.4 | 38.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.918 | 0.872 | 64.4 | 38.0 | 34.0 | 64.4 | 38.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.918 | 0.872 | 64.4 | 38.0 | 34.0 | 64.4 | 38.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |

Meteorological Table, Quarter ending June 30th, 1881.

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1881. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|--|------------------------------------|------------|--------|----------------------------------|------|------------------------------|---------|-------------------|-------|---------|---------|------------------------------|-------|------------|--------|-----------------------|-------------------------|
| | | Month. | Mean. | Range. | | Range. | Lowest. | Highest. | Mean. | Range. | Lowest. | Highest. | Mean. | Direction. | Force. | Mean Amount of Cloud. | Number of Days it fell. |
| | | | | in. | ft. | | | | | | | | | | | | |
| COCKERMOUTH (Cumberland), J. ROBINSON, Esq., M.D., F.M.S., F.R.A.S. | 146 | April | 29.821 | 0.730 | 65.3 | 37.8 | 31.8 | 65.3 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | May | 29.821 | 0.730 | 65.3 | 37.8 | 31.8 | 65.3 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| | | June | 29.821 | 0.730 | 65.3 | 37.8 | 31.8 | 65.3 | 38.7 | 12.5 | 43.2 | 38.8 | 21.7 | 10 | 10 | 7.1 | 10 |
| SILLOTH (Cumberland), "The Rectory," REV. F. REDFORD, M.A., F.R.A.S., F.M.S. | 28 | April | 29.951 | 0.754 | 64.9 | 35.0 | 33.0 | 64.9 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.951 | 0.754 | 64.9 | 35.0 | 33.0 | 64.9 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.951 | 0.754 | 64.9 | 35.0 | 33.0 | 64.9 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| CARLISLE, Spital (Cumberland), ISAAC CARPENTER, Esq., F.M.S. | 114 | April | 29.864 | 0.768 | 64.6 | 35.0 | 33.0 | 64.6 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.864 | 0.768 | 64.6 | 35.0 | 33.0 | 64.6 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.864 | 0.768 | 64.6 | 35.0 | 33.0 | 64.6 | 35.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| BYWELL (Northumberland), MR. W. J. TONE, Assistant to W. B. BEAUMONT, Esq., M.P. | 87 | April | 29.777 | 0.932 | 68.0 | 38.0 | 34.0 | 68.0 | 38.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | May | 29.777 | 0.932 | 68.0 | 38.0 | 34.0 | 68.0 | 38.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |
| | | June | 29.777 | 0.932 | 68.0 | 38.0 | 34.0 | 68.0 | 38.0 | 13.5 | 41.3 | 37.2 | 22.2 | 10 | 10 | 6.8 | 9 |

Second Rain-gauges are placed—

At Beachey Head, at the height of 215 feet above the sea; the amount collected was 0.34 inches.

| Month. | April. | May. | June. | Total in Quarter. |
|--------------------|--------|------|-------|-------------------|
| Guernsey. | 0.34 | 0.72 | 0.98 | 2.04 |
| Stratfield Turgis. | 0.34 | 0.72 | 0.98 | 2.04 |
| Oxford. | 0.34 | 0.72 | 0.98 | 2.04 |
| Cardington. | 0.34 | 0.72 | 0.98 | 2.04 |
| Northampton. | 0.34 | 0.72 | 0.98 | 2.04 |
| Holkham. | 0.34 | 0.72 | 0.98 | 2.04 |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. |
|---------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|-------|----|----|-----------------------|-----------------------|----------------------------------|-------------------------|
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | |
| Guernsey | 29.705 | 75.0 | 50.0 | 25.0 | 67.5 | 46.6 | 20.9 | 11.1 | 51.1 | 46.6 | 319 | 3.6 | 0.7 | 83 | 539 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.6 | 4.5 | 36 | 4.93 |
| Truro | 29.676 | 81.0 | 50.0 | 31.0 | 65.7 | 46.6 | 19.1 | 19.1 | 51.1 | 46.6 | 319 | 3.6 | 0.7 | 83 | 539 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.6 | 4.5 | 36 | 4.93 |
| Plymouth | 29.789 | 79.0 | 51.0 | 28.0 | 65.0 | 46.6 | 19.1 | 19.1 | 51.1 | 46.6 | 319 | 3.6 | 0.7 | 83 | 539 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.6 | 4.5 | 36 | 4.93 |
| Totnes | 29.789 | 79.0 | 51.0 | 28.0 | 65.0 | 46.6 | 19.1 | 19.1 | 51.1 | 46.6 | 319 | 3.6 | 0.7 | 83 | 539 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.6 | 4.5 | 36 | 4.93 |
| Babbacombe | 29.789 | 79.0 | 51.0 | 28.0 | 65.0 | 46.6 | 19.1 | 19.1 | 51.1 | 46.6 | 319 | 3.6 | 0.7 | 83 | 539 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.6 | 4.5 | 36 | 4.93 |
| Ventnor | 29.705 | 74.7 | 29.5 | 45.2 | 52.0 | 46.1 | 30.1 | 13.5 | 51.0 | 45.3 | 310 | 3.5 | 0.8 | 81 | 542 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.7 | 4.6 | 32 | 4.88 |
| Eastbourne | 29.637 | 76.5 | 29.0 | 47.5 | 52.1 | 43.7 | 10.4 | 18.3 | 52.2 | 44.7 | 325 | 3.5 | 0.8 | 82 | 531 | 113.2 | 30.0 | 0.4 | 5 | 10 | 5 | 11 | 3.0 | 3.3 | 4.16 |
| Osborne | 29.696 | 83.0 | 31.0 | 52.0 | 63.1 | 44.6 | 10.3 | 18.3 | 52.2 | 44.7 | 325 | 3.5 | 0.8 | 82 | 531 | 113.2 | 30.0 | 0.4 | 5 | 10 | 5 | 11 | 3.0 | 3.3 | 4.16 |
| Brighton | 29.717 | 75.0 | 27.0 | 48.0 | 60.8 | 44.7 | 37.4 | 15.6 | 51.0 | 43.5 | 286 | 3.2 | 1.0 | 76 | 538 | 125.7 | 37.3 | 1.4 | 5 | 7 | 9 | 8 | 5.1 | 6.3 | 4.60 |
| Salisbury | 29.704 | 86.5 | 22.5 | 64.0 | 66.5 | 40.1 | 45.2 | 22.3 | 52.2 | 45.7 | 310 | 3.5 | 0.9 | 80 | 539 | 109.6 | 38.0 | 1.4 | 8 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Barnstaple | 29.695 | 82.0 | 31.5 | 50.5 | 63.9 | 48.6 | 10.8 | 18.3 | 52.2 | 44.7 | 325 | 3.5 | 0.8 | 82 | 531 | 113.2 | 30.0 | 0.4 | 5 | 10 | 5 | 11 | 3.0 | 3.3 | 4.16 |
| Ramsgate | 29.728 | 76.8 | 32.3 | 44.5 | 53.8 | 45.3 | 34.2 | 18.3 | 50.0 | 45.4 | 309 | 3.5 | 0.8 | 82 | 542 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.7 | 4.6 | 32 | 4.88 |
| Caterham | 29.711 | 77.0 | 25.0 | 51.5 | 60.9 | 41.1 | 42.9 | 18.9 | 51.4 | 46.0 | 319 | 3.6 | 0.7 | 82 | 532 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 4.7 | 4.6 | 32 | 4.88 |
| Bath | 29.731 | 75.8 | 24.8 | 51.0 | 60.9 | 42.8 | 41.3 | 16.8 | 49.7 | 43.4 | 284 | 3.3 | 0.8 | 79 | 531 | 109.6 | 40.0 | 1.4 | 8 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Strathfield Turgiss | 29.718 | 81.7 | 26.2 | 55.5 | 63.8 | 41.7 | 18.2 | 22.1 | 52.0 | 44.4 | 298 | 3.4 | 1.0 | 76 | 538 | 113.0 | 36.1 | 1.2 | 6 | 9 | 6 | 10 | 2.5 | 5.4 | 3.25 |
| Blackheath | 29.719 | 78.5 | 26.2 | 52.0 | 60.6 | 42.3 | 42.3 | 18.4 | 50.4 | 42.1 | 271 | 3.1 | 1.1 | 73 | 535 | 112.2 | 36.3 | 0.9 | 6 | 8 | 5 | 11 | 1 | 5.6 | 3.4 |
| Whitechurch | 29.708 | 81.0 | 29.5 | 52.1 | 62.0 | 45.1 | 40.7 | 18.0 | 52.4 | 45.0 | 300 | 3.4 | 1.1 | 76 | 539 | 115.1 | 40.7 | 1.1 | 9 | 7 | 7 | 8 | 1 | 6.3 | 2.9 |
| Camden Square | 29.714 | 82.7 | 27.8 | 54.0 | 64.7 | 44.5 | 44.9 | 20.2 | 53.3 | 44.7 | 295 | 3.5 | 1.4 | 73 | 539 | 110.5 | 40.1 | 1.1 | 7 | 7 | 8 | 8 | 1 | 5.8 | 3.0 |
| Barnet | 29.717 | 77.0 | 27.0 | 50.0 | 62.7 | 44.1 | 49.0 | 21.3 | 51.1 | 43.7 | 290 | 3.3 | 0.9 | 76 | 540 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Oxford | 29.719 | 78.5 | 26.2 | 52.0 | 60.6 | 42.3 | 42.3 | 18.4 | 50.4 | 42.1 | 271 | 3.1 | 1.1 | 73 | 535 | 112.2 | 36.3 | 0.9 | 6 | 8 | 5 | 11 | 1 | 5.6 | 3.4 |
| Gloucester | 29.631 | 84.0 | 23.1 | 60.9 | 64.9 | 42.0 | 30.3 | 22.3 | 52.2 | 44.7 | 325 | 3.5 | 0.8 | 82 | 531 | 113.2 | 30.0 | 0.4 | 5 | 10 | 5 | 11 | 3.0 | 3.3 | 4.16 |
| Royston | 29.730 | 81.3 | 29.5 | 52.1 | 62.0 | 45.1 | 40.7 | 18.0 | 52.4 | 45.0 | 300 | 3.4 | 1.1 | 76 | 539 | 115.1 | 40.7 | 1.1 | 9 | 7 | 7 | 8 | 1 | 6.3 | 2.9 |
| Cardington | 29.678 | 83.0 | 26.2 | 55.5 | 63.8 | 41.7 | 18.2 | 22.1 | 52.0 | 44.4 | 298 | 3.4 | 1.0 | 76 | 538 | 113.0 | 36.1 | 1.2 | 6 | 9 | 6 | 10 | 2.5 | 5.4 | 3.25 |
| Cambridge | 29.691 | 83.8 | 23.0 | 60.8 | 65.9 | 42.1 | 40.9 | 22.3 | 52.2 | 44.7 | 325 | 3.5 | 0.8 | 82 | 531 | 113.2 | 30.0 | 0.4 | 5 | 10 | 5 | 11 | 3.0 | 3.3 | 4.16 |
| Stockton near Rugby | 29.713 | 82.0 | 25.0 | 57.0 | 62.8 | 40.4 | 47.3 | 22.4 | 50.7 | 43.8 | 292 | 3.3 | 0.9 | 76 | 539 | 114.1 | 32.9 | 0.8 | 8 | 7 | 7 | 9 | 1 | 6.4 | 3.4 |
| Lowestoft | 29.718 | 76.0 | 29.0 | 47.0 | 57.1 | 45.1 | 38.5 | 12.3 | 50.3 | 43.7 | 290 | 3.3 | 0.9 | 79 | 513 | 105.7 | 39.7 | 0.7 | 7 | 9 | 6 | 8 | 1 | 6.0 | 2.9 |
| Somerleyton | 29.726 | 79.0 | 28.3 | 50.7 | 58.1 | 43.1 | 40.4 | 15.0 | 49.1 | 42.1 | 277 | 3.1 | 0.8 | 73 | 545 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Wolverhampton | 29.716 | 76.2 | 23.7 | 52.9 | 60.2 | 41.8 | 51.2 | 18.9 | 49.8 | 42.4 | 275 | 3.1 | 1.0 | 76 | 535 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Leicester | 29.741 | 79.0 | 24.0 | 55.0 | 61.0 | 43.5 | 45.6 | 17.5 | 50.1 | 43.8 | 258 | 3.3 | 0.9 | 77 | 539 | 114.1 | 32.9 | 0.8 | 8 | 7 | 7 | 9 | 1 | 6.4 | 3.4 |
| Nottingham | 29.696 | 81.9 | 23.0 | 53.9 | 63.3 | 42.2 | 46.1 | 21.1 | 51.3 | 43.8 | 291 | 3.3 | 1.0 | 75 | 540 | 108.4 | 39.2 | 0.7 | 7 | 9 | 6 | 8 | 1 | 6.0 | 2.9 |
| Llandudno | 29.708 | 72.9 | 27.8 | 45.1 | 57.5 | 45.5 | 34.8 | 12.1 | 51.8 | 43.9 | 292 | 3.3 | 1.0 | 75 | 541 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Liverpool | 29.718 | 73.4 | 29.0 | 44.3 | 57.7 | 45.0 | 32.8 | 12.6 | 50.7 | 41.4 | 269 | 3.1 | 1.1 | 71 | 540 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Bolton | 29.739 | 75.1 | 26.2 | 52.9 | 60.2 | 41.8 | 51.2 | 18.9 | 49.8 | 42.4 | 275 | 3.1 | 1.0 | 76 | 535 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Bermerside | 29.777 | 81.3 | 25.0 | 55.3 | 63.9 | 41.4 | 49.4 | 18.6 | 48.8 | 42.9 | 278 | 3.2 | 0.8 | 80 | 539 | 109.6 | 38.0 | 1.4 | 8 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Hull | 29.701 | 79.0 | 24.0 | 55.0 | 61.0 | 43.5 | 45.6 | 17.5 | 50.1 | 43.8 | 258 | 3.3 | 0.9 | 77 | 539 | 114.1 | 32.9 | 0.8 | 8 | 7 | 7 | 9 | 1 | 6.4 | 3.4 |
| Stonyhurst | 29.717 | 75.9 | 25.3 | 49.0 | 59.8 | 42.1 | 37.8 | 17.7 | 49.0 | 41.8 | 267 | 3.1 | 1.0 | 75 | 544 | 107.9 | 38.3 | 0.5 | 5 | 10 | 5 | 10 | 1 | 5.8 | 3.1 |
| Bradford | 29.690 | 80.8 | 27.4 | 53.4 | 62.8 | 41.7 | 39.8 | 14.9 | 50.0 | 41.1 | 265 | 3.0 | 1.3 | 72 | 538 | 112.2 | 36.3 | 0.9 | 6 | 8 | 5 | 11 | 1 | 5.6 | 3.4 |
| Leeds | 29.648 | 80.0 | 27.0 | 53.0 | 62.2 | 43.7 | 41.7 | 18.5 | 51.7 | 46.9 | 239 | 3.7 | 0.7 | 83 | 540 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Lancaster | 29.670 | 78.0 | 23.0 | 46.0 | 59.0 | 42.5 | 41.2 | 15.2 | 45.7 | 31.1 | 315 | 3.5 | 0.7 | 82 | 541 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |
| Cockermouth | 29.675 | 75.3 | 23.8 | 52.5 | 59.8 | 42.6 | 41.7 | 17.2 | 50.4 | 41.6 | 289 | 3.0 | 1.1 | 72 | 541 | 107.9 | 38.3 | 0.5 | 5 | 10 | 5 | 10 | 1 | 5.8 | 3.1 |
| Silloth | 29.712 | 71.0 | 25.0 | 46.0 | 58.6 | 41.9 | 40.4 | 16.7 | 49.0 | 41.7 | 269 | 3.2 | 0.9 | 76 | 540 | 107.0 | 36.0 | 1.5 | 2 | 10 | 5 | 13 | 3.8 | 5.6 | 4.0 |
| Carlisle | 29.695 | 75.8 | 18.7 | 57.1 | 60.1 | 40.8 | 47.8 | 19.8 | 49.1 | 42.8 | 278 | 3.2 | 0.9 | 79 | 543 | 107.4 | 34.0 | 1.4 | 12 | 3 | 12 | 3.0 | 6.4 | 3.9 | 9.13 |
| Bywell | 29.666 | 78.0 | 30.0 | 48.0 | 59.1 | 42.2 | 35.0 | 16.8 | 49.1 | 43.4 | 280 | 3.1 | 0.7 | 80 | 544 | 103.2 | 12.4 | 1.3 | 7 | 6 | 9 | 9 | 1 | 3.0 | 3.8 |

The highest temperatures of the air were at Salisbury, 86° 5; Gloucester, 84°; Cambridge, 83° 8; and Cardington, 83° 0.
The lowest temperatures of the air were at Bywell, 18° 7; Salisbury, 22° 5; Cockermouth, 22° 8; Cambridge, 23°; and Lancaster, 23° 3.
The greatest daily ranges of temperatures were at Salisbury, 26° 3; Cambridge, 25° 8; Stockton, 25° 4; and Gloucester, 22° 3.
The least daily ranges of temperatures were at Guernsey, 11° 1; Llandudno, 12° 1; Lowestoft, 12° 3; and Liverpool, 12° 0.
The greatest number of days of rain were at Bolton, 49; Bradford, 47; and Liverpool, 45.
The least number of days of rain were at Caterham, 23; Osborne, 25; and Gloucester, 26.
The greatest falls of rain in the quarter were at Stonyhurst, 10.34 inches; and Bolton, 10.30 inches.
The least falls of rain in the quarter were at Strathfield Turgiss, 3.25 inches; and Royston, 3.37 inches.

QUARTERLY METEOROLOGICAL TABLES for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Readings of the Thermometer. | Mean of all Lowest Readings of the Thermometer. | Mean Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | | Mean Amount of Cloud. | | RAIN. Mean Amount collected. |
|-----------------------------------|---|--|---|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|------------------------------|------|-------------------------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | Mean Number of Days it fell. | | |
| Guernsey | in. | 29.705 | 75.0 | 36.0 | 57.7 | 46.6 | 20.5 | 11.1 | 51.1 | 46.6 | 319 | 3.6 | 0.7 | 83 | 539 | 103.2 | 42.4 | 1.3 | 8 | 7 | 6 | 9 | 4.6 | 4.5 | 36 | 4.93 | |
| Between the latitudes 50° and 55° | 50° and 51° | 29.715 | 78.4 | 29.5 | 48.9 | 61.0 | 45.1 | 38.7 | 15.9 | 51.9 | 44.9 | 307 | 3.4 | 1.0 | 78 | 545 | 114.9 | 47.6 | 1.4 | 8 | 7 | 7 | 9 | 4.9 | 6.0 | 33 | 4.76 |
| | 51° and 52° | 29.704 | 81.1 | 26.7 | 54.4 | 63.4 | 43.1 | 45.1 | 20.2 | 52.2 | 45.1 | 310 | 3.5 | 1.0 | 77 | 538 | 113.5 | 38.7 | 1.1 | 7 | 8 | 6 | 10 | 2.7 | 5.6 | 31 | 4.17 |
| | 52° and 53° | 29.710 | 80.4 | 25.9 | 54.5 | 62.1 | 42.4 | 45.2 | 19.6 | 50.9 | 43.7 | 289 | 3.3 | 1.0 | 76 | 540 | 112.0 | 34.3 | 0.9 | 8 | 7 | 7 | 7 | 4.1 | 5.9 | 33 | 4.14 |
| | 53° and 54° | 29.712 | 78.3 | 26.8 | 50.7 | 59.2 | 43.1 | 38.9 | 16.1 | 50.1 | 42.6 | 283 | 3.2 | 1.0 | 76 | 540 | 104.1 | 38.4 | 1.1 | 5 | 8 | 6 | 11 | 4.5 | 6.0 | 43 | 6.77 |
| | 54° and 55° | 29.634 | 75.0 | 24.0 | 50.9 | 59.4 | 41.9 | 41.2 | 17.6 | 49.8 | 43.0 | 287 | 3.2 | 0.9 | 78 | 543 | 104.2 | 35.7 | 1.1 | 4 | 10 | 5 | 11 | 4.7 | 6.3 | 38 | 7.99 |
| Mean for the Quarter, 50° to 55° | Year 1878 | 29.610 | 86.7 | 28.0 | 53.8 | 62.6 | 44.1 | 39.2 | 16.5 | 52.9 | 46.9 | 325 | 3.7 | 0.9 | 81 | 536 | 104.8 | 41.7 | 1.1 | 5 | 9 | 8 | 8 | 4.3 | 5.9 | 49 | 8.84 |
| | 1879 | 29.542 | 70.7 | 37.1 | 43.6 | 57.0 | 42.2 | 13.2 | 14.0 | 48.2 | 42.9 | 322 | 3.2 | 0.7 | 82 | 540 | 96.2 | 37.1 | 1.1 | 7 | 8 | 9 | 5.0 | 6.6 | 56 | 9.45 | |
| | 1880 | 29.631 | 76.6 | 31.5 | 44.5 | 59.9 | 43.3 | 8.5 | 71.6 | 50.4 | 44.1 | 297 | 3.5 | 0.8 | 80 | 539 | 104.0 | 38.6 | 1.2 | 7 | 8 | 6 | 9 | 4.6 | 6.4 | 41 | 5.94 |
| | 1881 | 29.703 | 76.7 | 35.5 | 51.9 | 61.0 | 43.1 | 14.8 | 17.9 | 51.0 | 43.9 | 294 | 3.3 | 1.0 | 77 | 541 | 107.2 | 38.9 | 1.2 | 6 | 9 | 6 | 10 | 4.2 | 5.9 | 50 | 5.64 |

The following Table shows the maximum temperature at the several stations, during the periods of high temperatures.

TABLE showing the MAXIMUM TEMPERATURES at the several Stations on July 1st to 5th, and from July 11th to 19th.

| Names of Stations. | JULY, 1881. | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|
| | 1st. | 2nd. | 3rd. | 4th. | 5th. | 11th. | 12th. | 13th. | 14th. | 15th. | 16th. | 17th. | 18th. | 19th. | | | | | |
| Guernsey | 67.5 | 68.0 | 71.0 | 77.0 | 82.0 | 75.0 | 69.0 | 70.0 | 75.0 | 83.0 | 73.0 | 74.0 | 78.0 | 74.5 | | | | | |
| Truro | 68.0 | 72.0 | 74.0 | 80.0 | 82.0 | 74.0 | 79.0 | 74.0 | 80.0 | 79.0 | 71.0 | 83.0 | 80.0 | 70.0 | | | | | |
| Plymouth | 68.2 | 69.0 | 70.8 | 79.8 | 79.0 | 73.5 | 73.2 | 69.2 | 82.0 | 78.5 | 72.0 | 69.4 | 75.3 | | | | | | |
| Totnes | 70.0 | 73.3 | 74.0 | 83.6 | 75.8 | 75.6 | 75.7 | 76.4 | 75.2 | 87.5 | 83.7 | 80.4 | 82.3 | | | | | | |
| Torquay | 69.1 | 72.5 | 73.1 | 88.6 | 70.9 | 75.5 | 77.2 | 67.7 | 82.8 | 77.5 | 77.3 | 76.0 | 76.4 | | | | | | |
| Eastbourne | 78.7 | 80.0 | 73.1 | 81.0 | 82.5 | 77.9 | 79.0 | 77.0 | 84.7 | 87.7 | 82.2 | 81.9 | 82.3 | | | | | | |
| Venore | 70.5 | 74.2 | 69.1 | 74.4 | 77.5 | 71.4 | 72.8 | 76.7 | 84.3 | 95.6 | 92.1 | 88.8 | 86.2 | 90.4 | | | | | |
| Osborne | 74.9 | 79.0 | 76.0 | 85.4 | 83.2 | 82.0 | 82.6 | 77.9 | 84.3 | 86.6 | 82.8 | 74.4 | 80.2 | | | | | | |
| Brighton | 68.2 | 76.8 | 75.0 | 75.0 | 82.0 | 70.0 | 76.1 | 71.0 | 76.7 | 81.0 | 79.0 | 72.8 | 74.4 | 80.2 | | | | | |
| Bournemouth | 69.9 | 72.2 | 70.4 | 71.9 | 78.8 | 66.0 | 77.4 | 71.8 | 69.7 | 74.8 | 80.2 | 75.8 | 73.1 | 79.1 | | | | | |
| Salisbury | 78.0 | 80.5 | 82.5 | 85.5 | 93.5 | 79.0 | 80.5 | 80.5 | 88.0 | 93.5 | 87.5 | 85.5 | 85.0 | 92.0 | | | | | |
| Barnstable | 69.0 | 69.0 | 74.0 | 71.0 | 82.0 | 74.0 | 79.0 | 72.0 | 71.0 | 80.0 | 77.5 | 76.0 | 77.0 | 73.0 | | | | | |
| Bath | 63.4 | 69.5 | 71.3 | 73.1 | 83.8 | 69.5 | 69.5 | 69.5 | 77.9 | 80.0 | 77.7 | 77.8 | 77.7 | 76.5 | | | | | |
| Ramsgate | 72.2 | 74.2 | 80.5 | 83.0 | 79.7 | 75.5 | 80.7 | 80.4 | 80.2 | 83.3 | 84.8 | 86.0 | 85.4 | 88.0 | | | | | |
| Stratfield Turgies | 79.8 | 76.4 | 80.8 | 85.2 | 90.0 | 78.4 | 81.1 | 78.8 | 87.5 | 93.3 | 87.5 | 83.0 | 87.0 | 89.9 | | | | | |
| Marlborough | 74.0 | 70.5 | 75.1 | 78.4 | 86.9 | 75.4 | 74.4 | 71.2 | 82.9 | 87.1 | 80.4 | 80.2 | 81.1 | 84.0 | | | | | |
| Bristol | 67.5 | 70.0 | 66.3 | 72.2 | 86.0 | 73.1 | 69.6 | 65.3 | 78.0 | 79.0 | 75.9 | 74.8 | 74.0 | 75.4 | | | | | |
| Blackheath | 81.7 | 75.0 | 82.8 | 88.0 | 92.5 | 79.0 | 83.0 | 81.0 | 86.2 | 91.0 | 85.3 | 83.0 | 88.4 | 86.1 | | | | | |
| Greenwich | 82.6 | 77.1 | 84.7 | 90.0 | 92.5 | 79.6 | 86.2 | 81.4 | 89.1 | 97.1 | 84.3 | 85.2 | 90.2 | 88.0 | | | | | |
| Whitechurch | 80.9 | 76.3 | 80.7 | 85.3 | 91.0 | 79.6 | 79.8 | 83.9 | 89.7 | 91.3 | 83.7 | 84.0 | 85.0 | 87.2 | | | | | |
| Camden Square | 82.6 | 79.7 | 82.3 | 89.2 | 92.7 | 79.1 | 82.4 | 83.7 | 87.4 | 94.6 | 84.5 | 84.4 | 88.7 | 89.5 | | | | | |
| Barnet | 80.8 | 78.2 | 80.2 | 88.0 | 92.5 | 78.8 | 80.0 | 78.2 | 86.2 | 92.2 | 82.0 | 83.0 | 87.0 | 89.9 | | | | | |
| Oxford | 75.3 | 72.4 | 76.0 | 83.9 | 87.3 | 75.9 | 74.8 | 76.0 | 84.5 | 86.9 | 77.3 | 78.4 | 81.5 | 82.6 | | | | | |
| Gloucester | 74.5 | — | 75.0 | 81.0 | 93.0 | 80.0 | 78.0 | 75.0 | 83.0 | 89.0 | 80.0 | 81.0 | 82.0 | 82.0 | | | | | |
| Royston | 82.3 | 77.6 | 79.3 | 86.7 | 90.6 | 80.4 | 82.0 | 78.0 | 86.6 | 93.0 | 80.1 | 82.9 | 88.2 | 88.7 | | | | | |
| Cardington | 87.6 | 75.0 | 81.4 | 87.4 | 91.4 | 81.0 | 79.6 | 79.6 | 81.6 | 91.6 | 79.0 | 82.0 | 87.4 | 86.6 | | | | | |
| Somerleyton | 77.1 | 71.2 | 80.2 | 87.3 | 79.8 | 81.0 | 82.0 | 76.5 | 82.7 | 88.5 | 72.5 | 76.6 | 90.3 | 88.1 | | | | | |
| Lowestoft | 69.0 | 69.9 | 79.8 | 87.0 | 74.0 | 74.1 | 73.7 | 74.0 | 73.4 | 69.9 | 67.2 | 85.2 | 80.6 | | | | | | |
| Cambridge | 81.0 | 78.8 | 83.0 | 88.0 | 93.0 | 81.0 | 84.2 | 80.0 | 86.6 | 93.0 | 82.5 | 83.5 | 83.0 | 83.2 | | | | | |
| Stockton | 71.5 | 74.0 | 79.5 | 83.0 | 91.5 | 77.3 | 72.0 | 75.0 | 82.0 | 88.0 | 77.5 | 83.0 | 84.0 | 84.0 | | | | | |
| Norwich | 80.0 | 78.0 | 81.0 | 88.0 | 91.8 | 83.5 | 77.5 | 86.0 | 92.2 | 78.0 | 81.5 | 88.2 | 86.0 | | | | | | |
| Leicester | 70.0 | 69.8 | 74.0 | 82.0 | 88.8 | 75.0 | 75.8 | 77.0 | 81.1 | 87.0 | 76.2 | 79.8 | 83.5 | 82.0 | | | | | |
| Wolverhampton | 69.6 | 68.9 | 72.6 | 81.2 | 87.7 | 76.4 | 72.2 | 73.8 | 82.3 | 81.8 | 66.7 | 78.3 | 79.0 | 70.6 | | | | | |
| Birmingham | 72.2 | 72.0 | — | — | 77.6 | 74.0 | 78.5 | 83.8 | 86.2 | 74.4 | — | — | — | — | | | | | |
| Nottingham | 69.6 | 77.0 | 78.6 | 90.3 | 91.6 | 81.7 | 81.0 | 78.8 | 89.9 | 89.7 | 77.3 | 91.6 | 82.4 | 84.0 | | | | | |
| Holkham | 69.6 | 77.5 | 83.6 | 78.4 | 83.8 | 68.8 | 78.3 | 76.5 | 74.8 | 82.7 | 87.3 | 68.7 | 74.5 | 84.6 | | | | | |
| Llandudno | 63.7 | 60.7 | 71.3 | 74.8 | 72.7 | 70.0 | 67.4 | 71.5 | 73.0 | 71.9 | 64.0 | 70.6 | 66.5 | 64.0 | | | | | |
| Sheffield | 70.0 | 72.0 | 78.0 | 82.0 | 85.0 | 73.0 | 73.0 | 76.0 | 83.0 | 82.0 | 69.0 | 74.0 | 80.0 | 70.0 | | | | | |
| Liverpool | 62.7 | 65.3 | 71.1 | 76.2 | 84.2 | 56.0 | 59.1 | 60.8 | 67.2 | 66.0 | 75.3 | 66.0 | 70.8 | 73.0 | | | | | |
| Bolton | 65.4 | 64.3 | 70.3 | 75.5 | 83.2 | 74.1 | 68.8 | 69.8 | 79.4 | 73.4 | 64.0 | 71.2 | 68.7 | 65.9 | | | | | |
| Barnsley | 67.2 | 59.0 | 58.2 | 69.0 | 61.0 | 53.3 | 55.7 | 69.0 | 59.2 | 64.0 | 63.0 | 62.4 | 69.0 | 64.8 | | | | | |
| Hull | 72.0 | 74.0 | 73.0 | 85.0 | 82.0 | 79.0 | 76.0 | 74.0 | 84.0 | 82.0 | 74.0 | 76.0 | 80.0 | 78.0 | | | | | |
| Stonyhurst | 65.0 | 66.0 | 70.8 | 74.2 | 83.2 | 75.0 | 70.0 | 68.1 | 75.9 | 73.9 | 74.0 | 71.1 | 68.8 | 68.3 | | | | | |
| Bradford | 61.2 | 60.0 | 71.0 | 80.0 | 83.3 | 77.3 | 71.0 | 71.2 | 81.0 | 70.3 | 71.0 | 72.0 | 71.2 | 67.7 | | | | | |
| Leeds | 66.0 | 70.0 | 80.0 | 82.0 | 87.0 | 76.0 | 74.0 | 75.0 | 83.0 | 79.0 | 75.0 | 74.0 | 75.0 | 72.0 | | | | | |
| Lancaster | 55.0 | 73.0 | 63.0 | 62.0 | 82.0 | 79.0 | 66.0 | 67.0 | 63.0 | 68.0 | 64.0 | 66.0 | 69.0 | 63.0 | | | | | |
| Cockermouth | 63.9 | 63.0 | 62.1 | 63.2 | 78.0 | 65.8 | 67.2 | 68.3 | 68.0 | 65.8 | 61.9 | 61.5 | 66.8 | 66.8 | | | | | |
| Silloth | 61.7 | 64.9 | 64.3 | 63.9 | 75.0 | 66.5 | 66.9 | 67.4 | 66.3 | 66.8 | 68.5 | 62.6 | 69.0 | 68.0 | | | | | |
| Sunderland | 71.0 | 71.0 | 76.0 | 77.0 | 80.0 | 86.0 | 79.0 | 82.0 | 81.0 | 80.0 | 70.0 | 73.0 | 75.0 | 67.0 | | | | | |
| Carlisle | 66.2 | 67.3 | 68.3 | 68.3 | 78.7 | 67.5 | 70.3 | 71.0 | 79.8 | 71.3 | 66.3 | 65.8 | 72.0 | 72.0 | | | | | |
| Bywell | 66.0 | 72.0 | 69.0 | 68.0 | 70.0 | 65.0 | 67.0 | 66.0 | 70.0 | 75.0 | 70.0 | 68.0 | 68.0 | 72.0 | | | | | |

On the 16th extremes were Osborne 92.1; Salisbury 87.5, and Holkam 87.3; while at Llandudno, Bolton, and Lancaster the highest temperature reached was 64°; on the 17th the extremes were 91.6 at Nottingham, and 66° at Lancaster; on the 18th, the highest were 90.2 at Greenwich, and 90.3 at Somerleyton, and Bywell 68°, and at Bolton 68.7; and on the 19th the extremes were 92° at Salisbury, and 64° at Llandudno.

It will be seen that, whilst Midland stations in July were enjoying almost tropical heat, those stations situated south of Salisbury and North of Nottingham were experiencing very much lower temperatures.

The mean temperature of the air for July was 65.4, being 3.8 and 3.3 above the average of 110 years and 40 years respectively; it was 3.7 and 7.3 higher than in 1880 and 1879 respectively.

The mean temperature of the air for August was 59.1, being 1.8 and 2.4 below the average of 110 years and 40 years respectively; it was 3.7 and 0.8 lower than in 1880 and 1879 respectively.

The mean temperature of the air for September was 55.4, being 1.2 and 1.8 lower than the average of 110 years, and 40 years respectively; it was 4.3 and 0.9 lower than in 1880 and 1879 respectively.

The mean temperature for the quarter was 60.0, being 0.3 above the average of 110 years, and 0.3 below the average of 40 years.

The mean high day temperature of the air in July was 77.7, being 3.5 above the average of 40 years; in August it was 69.8, being 3.1 below the average, and in September was 64.5, being 3.1 below the average.

The mean low night temperature of the air in July was 54.9, being 1.7 above the average of 40 years; in August it was 51.5, being 1.8 below the average, and in September 48.7, being 0.5 below the average; therefore both the days and nights were warm in July, and both were cold in August and September.

| Temperature of | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--------------|--|------------|--|----------------------|--|----------------------|--|---------------|--|--------------|---|--|
| Air. | | | | | | | | | | | | | | | |
| 1881. MONTHS. | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | Air— Daily Range. | | Air. | | Mean. | Diff. from ave- rage of 40 years. | |
| | Mean. | Diff. from ave- rage of 110 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | | | |
| July - | 65.4 | +3.8 | +3.3 | 59.7 | +2.0 | 55.0 | +1.0 | 22.8 | +1.8 | .444 | in. +0.026 | 4.8 | grs. +0.1 | | |
| Aug. - | 59.1 | -1.8 | -2.4 | 55.5 | -1.0 | 54.2 | +0.2 | 18.2 | -1.5 | .421 | +0.001 | 4.7 | gr. +0.1 | | |
| Sept. - | 55.4 | -1.2 | -1.8 | 53.8 | -0.2 | 52.8 | +1.2 | 15.8 | -2.6 | .393 | +0.013 | 4.4 | +0.1 | | |
| Means - | 60.0 | +0.3 | -0.3 | 57.0 | +0.3 | 53.8 | +0.8 | 18.9 | -0.8 | .419 | +0.013 | 4.6 | +0.1 | | |

| 1881. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|---|---|
| | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Mean. | Diff. from ave- rage of 40 years. | Amount. | Diff. from ave- rage of 40 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | Highest Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| July - | 69 | - 6 | in. 29.825 | +0.027 | grs. 325 | - 3 | in. 2.13 | -0.44 | Miles. 249 | 0 | 1 | 30 | o 36.8 | o 58.1 |
| Aug. - | 80 | + 3 | 29.676 | -0.108 | 531 | + 3 | 3.88 | +1.45 | 302 | 0 | 3 | 28 | 37.1 | 53.8 |
| Sept. - | 89 | + 8 | 29.801 | -0.004 | 535 | + 3 | 2.18 | -0.26 | 186 | 1 | 9 | 20 | 31.7 | 52.0 |
| Means - | 79 | + 2 | 29.767 | -0.028 | 530 | + 1 | Sum 8.19 | Sum +0.75 | Mean 246 | Sum 1 | Sum 13 | Sum 73 | Lowest 31.7 | Highest 58.1 |

| Year 1881. | Month. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Tem- perature. | Vapour. | | Mean Degree of Humi- dity, Sat. = 100. | Mean Weight of a cubic foot of Air. | Maximum Rays of Sun. | Minimum on Grass. | Wind. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | | | |
|--|--------|---------------------------------------|----------------------------------|--------|------------------------------|---------|--------|-----------------|------------------------|----------------|--------------|--|--|-------------------------|----------------------|-------|------------|----------------|-------|--------------------------|--------------------------|----------------------------|-------|-------------------------|----------------------------|----|----|----|----|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | | Of All Lowest. | Daily Range. | | | | | Air. | Dew Point. | Elastic Force. | Mean. | | | | | Short of Saturation. | In a cubic foot of Air. | N. | E. | S. | W. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUERNSEY, ADMIRAL COLLETT, Esq., F.R.S. | July | 29-777 | 0-7857 | 83-0 | 47-5 | 37-5 | 69-6 | 54-5 | 15-1 | 60-4 | 55-5 | 44-3 | 1-2 | 0 | 1-2 | 8 | 4 | 7 | 12 | 3-3 | 0-3 | 11 | 1-72 | | | | | | |
| | Aug. | 29-762 | 0-7800 | 82-0 | 46-0 | 36-0 | 69-0 | 54-8 | 15-1 | 59-1 | 55-0 | 44-3 | 1-2 | 0 | 1-2 | 8 | 4 | 10 | 14 | 4-6 | 4-7 | 23 | 4-53 | | | | | | |
| | Sept. | 29-705 | 0-7631 | 82-0 | 46-0 | 35-0 | 63-2 | 52-8 | 10-4 | 56-9 | 50-1 | 43-3 | 4-1 | 0-2 | 1-0 | 3 | 5 | 10 | 14 | 4-3 | 4-3 | 22 | 2-06 | | | | | | |
| TRURO (Cornwall), C. BARHAM, Esq., M.D., F.M.S. | July | 29-972 | 0-904 | 83-0 | 37-0 | 40-0 | 70-8 | 53-8 | 17-0 | 59-8 | 53-5 | 40-9 | 1-2 | 0 | 1-2 | 10 | 6 | 6 | 13 | 0-5 | 0-5 | 11 | 2-69 | | | | | | |
| | Aug. | 29-815 | 0-846 | 76-0 | 41-0 | 35-0 | 66-9 | 53-0 | 13-9 | 58-6 | 50-5 | 38-5 | 4-5 | 1-2 | 0 | 6 | 9 | 15 | 15 | 7-0 | 7-0 | 18 | 3-55 | | | | | | |
| | Sept. | 29-889 | 1-001 | 70-0 | 36-0 | 30-0 | 63-5 | 46-9 | 14-6 | 55-5 | 50-4 | 36-9 | 4-1 | 0-3 | 0-3 | 6 | 9 | 8 | 8 | 5-9 | 5-9 | 11 | 1-91 | | | | | | |
| PLYMOUTH (Devon), J. BERRIFF, Esq., LL.D., F.R.S., F.M.S. | July | 30-045 | 0-835 | 82-0 | 47-0 | 37-0 | 69-6 | 55-0 | 14-4 | 61-2 | 54-5 | 40-9 | 1-3 | 0 | 1-3 | 7 | 4 | 8 | 14 | 4-8 | 4-8 | 12 | 2-96 | | | | | | |
| | Aug. | 29-831 | 0-869 | 71-0 | 44-5 | 37-5 | 63-4 | 48-5 | 11-5 | 58-2 | 54-2 | 42-0 | 4-1 | 0-8 | 0-8 | 8 | 8 | 15 | 15 | 7-4 | 7-4 | 20 | 3-25 | | | | | | |
| | Sept. | 29-981 | 1-031 | 65-6 | 43-5 | 34-1 | 62-8 | 43-5 | 14-3 | 55-1 | 50-6 | 37-0 | 4-1 | 0-8 | 0-8 | 8 | 8 | 14 | 14 | 4-6 | 4-6 | 11 | 2-63 | | | | | | |
| TOINNES (Devon), T. H. EDMONDS, Esq. | July | 30-045 | 0-835 | 82-0 | 47-0 | 37-0 | 69-6 | 55-0 | 14-4 | 61-2 | 54-5 | 40-9 | 1-3 | 0 | 1-3 | 7 | 4 | 8 | 14 | 4-8 | 4-8 | 12 | 2-96 | | | | | | |
| | Aug. | 29-831 | 0-869 | 71-0 | 44-5 | 37-5 | 63-4 | 48-5 | 11-5 | 58-2 | 54-2 | 42-0 | 4-1 | 0-8 | 0-8 | 8 | 8 | 15 | 15 | 7-4 | 7-4 | 20 | 3-25 | | | | | | |
| | Sept. | 29-981 | 1-031 | 65-6 | 43-5 | 34-1 | 62-8 | 43-5 | 14-3 | 55-1 | 50-6 | 37-0 | 4-1 | 0-8 | 0-8 | 8 | 8 | 14 | 14 | 4-6 | 4-6 | 11 | 2-63 | | | | | | |
| TORQUAY, Babbacombe (Devon), EDWIN E. GLYDE, Esq., F.M.S., J. COLLING, Esq. | July | 29-718 | 0-824 | 82-8 | 45-9 | 36-9 | 70-7 | 53-2 | 17-5 | 60-5 | 53-3 | 40-3 | 4-5 | 1-6 | 1-6 | 7 | 5 | 5 | 14 | 3-9 | 3-9 | 11 | 1-46 | | | | | | |
| | Aug. | 29-293 | 0-803 | 77-0 | 43-8 | 31-9 | 63-9 | 45-6 | 14-9 | 57-8 | 50-6 | 38-6 | 4-0 | 1-4 | 1-4 | 7 | 5 | 7 | 17 | 5-4 | 5-4 | 15 | 3-69 | | | | | | |
| | Sept. | 29-664 | 1-003 | 72-4 | 43-8 | 31-9 | 63-9 | 45-6 | 14-9 | 57-8 | 50-6 | 38-6 | 4-0 | 1-4 | 1-4 | 7 | 5 | 7 | 17 | 5-4 | 5-4 | 15 | 3-69 | | | | | | |
| VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption), J. COLLING, Esq. | July | 29-943 | 0-763 | 74-8 | 48-9 | 32-0 | 70-9 | 52-0 | 14-9 | 61-2 | 54-5 | 40-3 | 4-5 | 1-6 | 1-6 | 7 | 5 | 4 | 9 | 17 | 1-6 | 10 | 1-97 | | | | | | |
| | Aug. | 29-603 | 0-783 | 74-8 | 48-9 | 32-0 | 70-9 | 52-0 | 14-9 | 61-2 | 54-5 | 40-3 | 4-5 | 1-6 | 1-6 | 7 | 5 | 4 | 9 | 17 | 1-6 | 10 | 1-97 | | | | | | |
| | Sept. | 29-884 | 0-924 | 70-9 | 48-9 | 32-0 | 64-0 | 53-4 | 10-6 | 57-6 | 53-3 | 40-3 | 4-5 | 1-6 | 1-6 | 7 | 5 | 4 | 9 | 17 | 1-6 | 10 | 1-97 | | | | | | |
| EASTBOURNE (Sussex), Miss W. L. HALL. | July | 29-934 | 0-764 | 85-5 | 45-5 | 34-5 | 74-5 | 54-5 | 20-1 | 65-3 | 59-4 | 47-5 | 5-0 | 1-5 | 7-8 | 8 | 2 | 10 | 16 | 5-6 | 4-6 | 13 | 1-41 | | | | | | |
| | Aug. | 29-810 | 0-824 | 77-5 | 48-8 | 33-2 | 70-8 | 53-2 | 16-2 | 62-7 | 56-1 | 43-2 | 4-7 | 1-4 | 7-2 | 8 | 2 | 10 | 16 | 5-6 | 4-6 | 13 | 1-41 | | | | | | |
| | Sept. | 29-902 | 0-900 | 70-5 | 39-7 | 30-6 | 65-9 | 49-7 | 16-2 | 57-2 | 54-5 | 42-5 | 4-7 | 0-4 | 9-1 | 5-3 | 4 | 10 | 16 | 5-6 | 4-6 | 13 | 1-41 | | | | | | |
| OSBORNE (Isle of Wight), J. R. MANN, Esq. | July | 29-705 | 0-693 | 82-7 | 44-2 | 37-3 | 68-3 | 53-2 | 21-7 | 64-5 | 57-2 | 46-6 | 4-7 | 0-5 | 8-6 | 5 | 1 | 12 | 13 | 4-2 | 4-2 | 11 | 1-44 | | | | | | |
| | Aug. | 29-706 | 0-684 | 82-7 | 44-2 | 37-3 | 68-3 | 53-2 | 21-7 | 64-5 | 57-2 | 46-6 | 4-7 | 0-5 | 8-6 | 5 | 1 | 12 | 13 | 4-2 | 4-2 | 11 | 1-44 | | | | | | |
| | Sept. | 29-595 | 0-914 | 75-1 | 46-0 | 39-1 | 65-9 | 51-0 | 14-9 | 56-6 | 54-0 | 41-7 | 4-7 | 0-4 | 9-1 | 5-3 | 4 | 12 | 13 | 4-2 | 4-2 | 11 | 1-44 | | | | | | |
| SOUTHBOURNE ON SEA (Herts), T. A. CAMPTON, Esq., M.D., B.A., F.M.S. | April | 29-722 | 1-054 | 65-6 | 57-7 | 37-8 | 68-6 | 53-6 | 16-0 | 46-1 | 37-0 | 22-0 | 2-5 | 0-8 | 7-8 | 10 | 4 | 6 | 6 | 4-1 | 4-1 | 7 | 0-47 | | | | | | |
| | May | 29-603 | 0-934 | 72-0 | 51-0 | 40-5 | 74-5 | 54-5 | 16-7 | 51-7 | 48-2 | 30-8 | 3-5 | 0-9 | 7-9 | 10 | 4 | 6 | 6 | 4-1 | 4-1 | 7 | 0-47 | | | | | | |
| | June | 29-888 | 0-744 | 75-0 | 46-5 | 34-5 | 74-5 | 54-5 | 16-7 | 51-7 | 48-2 | 30-8 | 3-5 | 0-9 | 7-9 | 10 | 4 | 6 | 6 | 4-1 | 4-1 | 7 | 0-47 | | | | | | |
| SALISBURY (Wilton House), Wilts, THOMAS CHALLIS, Esq. | July | 29-916 | 0-812 | 80-0 | 40-5 | 39-9 | 70-0 | 53-4 | 16-8 | 63-0 | 53-0 | 40-2 | 4-4 | 1-6 | 7-6 | 11 | 6 | 8 | 10 | 5-9 | 5-9 | 14 | 1-36 | | | | | | |
| | Aug. | 29-782 | 0-888 | 70-2 | 43-6 | 27-6 | 64-7 | 48-3 | 11-6 | 58-0 | 52-3 | 38-5 | 4-4 | 1-6 | 8-1 | 10 | 4 | 10 | 14 | 4-1 | 4-1 | 11 | 1-09 | | | | | | |
| | Sept. | 29-875 | 0-922 | 68-9 | 42-8 | 26-1 | 63-0 | 49-4 | 13-6 | 55-6 | 50-8 | 37-2 | 4-1 | 0-8 | 8-4 | 17 | 5 | 2 | 8 | 17 | 5-9 | 20 | 4-17 | | | | | | |
| BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | July | 29-815 | 0-825 | 83-5 | 33-0 | 27-0 | 68-0 | 57-5 | 18-9 | 62-7 | 57-1 | 46-8 | 5-9 | 1-1 | 8-2 | 4 | 4 | 9 | 12 | 4-8 | 4-8 | 7 | 1-68 | | | | | | |
| | Aug. | 29-658 | 0-884 | 73-3 | 35-0 | 27-0 | 69-0 | 53-2 | 18-8 | 58-7 | 51-4 | 37-9 | 4-0 | 1-2 | 7-3 | 8 | 0 | 4 | 19 | 5-5 | 5-5 | 12 | 2-05 | | | | | | |
| | Sept. | 29-777 | 0-944 | 78-0 | 32-5 | 25-0 | 69-0 | 53-2 | 18-8 | 58-7 | 51-4 | 37-9 | 4-0 | 1-2 | 7-3 | 8 | 0 | 4 | 19 | 5-5 | 5-5 | 12 | 2-05 | | | | | | |
| WILMINGTON (Delaware), WILLIAM KNILL, Esq. | July | 29-987 | 0-900 | 87-0 | 44-0 | 33-0 | 72-1 | 59-4 | 19-7 | 60-7 | 52-9 | 40-1 | 4-5 | 1-4 | 7-5 | 1 | 6 | 10 | 20 | 3-7 | 3-7 | 5 | 1-83 | | | | | | |
| | Aug. | 29-813 | 0-860 | 79-0 | 44-0 | 33-0 | 67-5 | 56-3 | 11-2 | 59-8 | 54-8 | 43-0 | 4-8 | 1-4 | 8-4 | 1 | 12 | 15 | 15 | 5-0 | 5-0 | 22 | 5-00 | | | | | | |
| | Sept. | 29-914 | 0-950 | 69-0 | 39-0 | 30-0 | 65-6 | 51-2 | 14-4 | 57-2 | 52-4 | 38-5 | 4-4 | 0-9 | 8-1 | 3 | 4 | 12 | 15 | 5-0 | 5-0 | 22 | 5-00 | | | | | | |

[illegible]

| Year 1881. | Height of Station Above Sea Level. | Name of Station and Observer. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Ozone. | Number of Days it fell. | Rain. Amount col- lected. | | | | | | |
|---------------|--|--|---------------------------|--------|---------|------------------------------|---------|----------|------------------------|-----------------|----------------|------|------------|------------------------------------|-----------------------------|-------------------------|--|--|-----------------------------|----------------------------|---------------------------------|----------------------------|------------------------|------------------------|---------------------------|----|----|
| | | | Mean. | Range. | Lowest. | Highest. | Lowest. | Highest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | In an cubic foot of Air. | Short of Saturation. | Mean Degree of Humi- dity, per 100. | Mean Weight of a cubic foot of Air. | | | | Maximum in Kays of Sun. | Minimum on Glasses. | Estimated Strength. | Relative Proportion of | | |
| | | | | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | | | | | | | | Mean. | N. | E. |
| July | 291.547 | RUGBY (Warwickshire), Stockton, The Rectory, Rev. W. TUCKWELL. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.463 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.563 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.867 | LOWESTOFT (Suffolk), St. H. MILLER, Esq., F.R.A.S., F.M.S. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.867 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.865 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.910 | SOMERLEYTON (Suffolk), The Rectory, F.M.S. Rev. C. J. STEWARD, F.M.S. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.949 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.863 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.944 | WOLVERHAMPTON (Staffordshire), Wrottesley, E. SIMPSON, Esq. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.943 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.943 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.983 | LEICESTER (Town Museum), W. G. HARRISON, Esq., F.G.S., NOTTINGHAM (Notes). | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.981 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.981 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.986 | NOTTINGHAM (Notes), M. TABBOTT, Esq., C.E., F.G.S., F.M.S. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.980 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.760 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| April | 291.919 | HOLKHAM (Norfolk), JOHN DAVENPORT, Esq., Assistant to the Earl of Leicester. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| May | 291.925 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| June | 291.905 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.880 | HOLKHAM (Norfolk), JOHN DAVENPORT, Esq., Assistant to the Earl of Leicester. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.730 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.886 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.847 | LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.682 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.856 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.734 | LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.565 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.765 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.407 | BOLTON, Sharpley (Lancashire), Rev. T. MACLEITH, F.R.A.S., F.M.S. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.444 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.444 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.248 | HALIFAX, Bernerside Observatory (Yorkshire), E. J. CROSSLEY, Esq., F.R.A.S. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.455 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.455 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.913 | HULL (Yorkshire), The People's Park, Mr. E. PEAKE. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.785 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.921 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| July | 291.519 | STONYHURST (Lancashire), Rev. S. J. PEAR, F.R.S., F.M.S., F.R.A.S. | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Aug. | 291.389 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |
| Sept. | 291.554 | | in. | 91.5 | 85.0 | 59.5 | 75.4 | 48.0 | 37.1 | 59.3 | 55.3 | 53.0 | 4.1 | 7.0 | 82 | 258 | 14 | 11 | 5.8 | in. | 2.21 | | | | | | |

| Year 1881. | Months. | Height of Station Above Sea Level. | Temperature of Air in Month. | | | | Mean Tem- perature. | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days in full. | Rain. |
|---------------|---------|---------------------------------------|------------------------------|---------|--------|----------------|------------------------|----------------------------|--|----|------------------------------------|-------|----|--|--------------------------|--------------------------|----------------------------|-------|
| | | | Range. | | | Mean. | | In a cubic foot of Air. | Short of Saturation. | N. | | E. | W. | | | | | |
| | | | Highest. | Lowest. | Range. | | | | | | | | | | | | | |
| | | | Daily Range. | | | | | | Relative Proportion of | | | | | | | | | |
| | | | Of all Highest. | | | Of all Lowest. | | | Strength. | | | | | | | | | |
| | | | Range. | | | Range. | | | Minimum on Grass. | | | | | | | | | |
| | | | Range. | | | Range. | | | Maximum in Days of Sun. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Weight of a cubic foot of Air. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Weight of a cubic foot of Air. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi- dity. | | | | | | | | | |
| | | | Range. | | | Range. | | | Mean Degree of Humi | | | | | | | | | |

Second Rain-gauges are placed—

At Beachey Head, at the height of 515 feet above the sea; the amount collected was 1.87 inches.

| | | | | | | |
|---|---|-----------|-----|----|------|----|
| " | " | Guernsey, | 405 | 38 | 1.59 | 38 |
| " | " | Guernsey, | 12 | 38 | 1.55 | 38 |
| " | " | Guernsey, | 12 | 38 | 1.55 | 38 |

[illegible][illegible]

| | | | |
|-------------|----|----|------|
| Nottingham, | 39 | 39 | 1.69 |
| Holkham. | 4 | 38 | 1.69 |

[illegible]

spheric pressure in July was 0.010 in. greater than in June; that in August was 1.000 in. greater than in July.

less than in July, and that in September was 0.125 in. greater than in August.

40 years observations the mean pressure in July is 0.008 in. less than in June; the 18th at

just 0.014 m. less than in July, and that in September is 0.041 greater than in

ne to July there was an increase of pressure at southern stations of 0.04 in.

radually to a decrease of 0.1 in. at northern stations; from July to August there is a uniform decrease of 0.16 in. at northern stations, and from August to September a decrease of 0.1 in. at northern stations.

very uniform decrease of 8.16 in.; and from August to September there was an average fall of 0.09 in. at southern to 0.23 in. at northern stations.

forms occurred on July 5th all over the country; on the 6th very general; on the

ington; on the 16th at several places south of latitude 53° , on the 20th at Bolton; at a few places in the south, and close to a few in the north, on the 23d, 24th, 25th, 26th, 27th, 28th, 29th, 30th.

at a few places in the south, and also at a few in the north; and on the 31st at August on the 8th, 21st, 23rd, 24th, 26th, 27th, 28th and 29th all in the Middle.

cept that of the 21st, which was also at Truro. In September on 17th, 18th, 20th, 21st, 22nd, 23rd, 24th, 26th, 27th, 29th, and 30th, all in the Midland

... south of latitude 54° .
... as heard but lightening was not seen. ...

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. | |
|---------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|-----|-----------------------|-----------------------|----------------------------------|-------------------------|---|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | 29.554 | 83.0 | 46.0 | 37.0 | 66.2 | 54.0 | 30.5 | 12.2 | 58.8 | 55.5 | 44.3 | 4.9 | 0.5 | 90 | 590 | 114.3 | 48.8 | 1.3 | 6 | 5 | 7 | 12 | 4.1 | 4.0 | 60 | 8.61 | |
| Truro | 29.547 | 83.0 | 46.0 | 37.0 | 66.2 | 54.0 | 30.5 | 12.2 | 58.8 | 55.5 | 44.3 | 4.9 | 0.5 | 90 | 590 | 114.3 | 48.8 | 1.3 | 6 | 5 | 7 | 12 | 4.1 | 4.0 | 60 | 8.61 | |
| Plymouth | 29.643 | 82.0 | 42.5 | 30.5 | 65.9 | 52.3 | 29.4 | 13.6 | 58.3 | 53.1 | 40.8 | 4.5 | 1.0 | 83 | 535 | 113.4 | 45.6 | 1.1 | 7 | 4 | 8 | 12 | 4.1 | 4.0 | 60 | 8.61 | |
| Totnes | 29.717 | 87.5 | 35.5 | 22.8 | 68.4 | 49.1 | 41.2 | 19.8 | 58.1 | 51.0 | 37.5 | 4.2 | 1.2 | 78 | 535 | 123.2 | 44.0 | 1.1 | 6 | 3 | 9 | 13 | 4.4 | 5.9 | 44 | 11.79 | |
| Babbaombe | 29.592 | 82.8 | 43.8 | 39.9 | 66.7 | 51.4 | 32.6 | 15.8 | 58.0 | 51.6 | 38.2 | 4.3 | 1.1 | 79 | 530 | 135.4 | 43.6 | 1.1 | 6 | 5 | 6 | 13 | 4.4 | 5.9 | 41 | 8.34 | |
| Ventnor | 29.008 | 81.9 | 48.0 | 33.9 | 66.8 | 54.4 | 37.2 | 12.3 | 59.3 | 54.7 | 43.0 | 4.7 | 1.0 | 81 | 532 | 113.4 | 45.2 | 1.1 | 5 | 4 | 8 | 14 | 4.1 | 5.6 | 49 | 7.47 | |
| Eastbourne | 29.448 | 85.3 | 39.7 | 45.6 | 70.6 | 52.2 | 33.5 | 17.9 | 60.5 | 56.6 | 45.4 | 4.9 | 1.0 | 85 | 531 | 113.4 | 43.2 | 0.3 | 6 | 2 | 8 | 15 | 2.2 | 1 | 47 | 8.31 | |
| Osborne | 29.538 | 85.6 | 44.2 | 31.4 | 70.2 | 53.2 | 39.4 | 17.1 | 59.9 | 55.1 | 43.6 | 4.8 | 0.9 | 85 | 530 | 116.3 | 50.6 | 0.2 | 7 | 2 | 9 | 13 | 5.5 | 5.7 | 30 | 8.01 | |
| Southbourne | 29.672 | 80.4 | 40.5 | 39.9 | 65.2 | 52.2 | 31.2 | 13.9 | 58.1 | 52.0 | 38.9 | 4.3 | 1.1 | 80 | 533 | — | — | 1.0 | 7 | 3 | 9 | 13 | 4.9 | 3.8 | 6.04 | — | |
| Salisbury | 29.553 | 83.3 | 32.5 | 21.1 | 71.1 | 64.8 | 39.1 | 22.8 | 58.8 | 52.8 | 40.2 | 4.5 | 1.1 | 80 | 530 | 112.6 | 42.8 | 1.3 | 8 | 2 | 5 | 15 | 6.4 | 4.7 | 10 | 10.33 | |
| Barnstaple | 29.544 | 87.0 | 34.1 | 23.0 | 68.4 | 53.3 | 39.3 | 15.1 | 59.3 | 53.3 | 40.8 | 4.6 | 1.1 | 81 | 533 | — | — | 1.2 | 4 | 2 | 8 | 15 | 4.3 | 4.1 | 9.74 | — | |
| Ramsgate | 29.520 | 84.7 | 45.5 | 39.2 | 68.1 | 53.9 | 39.7 | 14.3 | 59.8 | 55.3 | 43.7 | 4.9 | 0.9 | 85 | 531 | — | — | 1.0 | 8 | 5 | 3 | 14 | 5.9 | 4.6 | 7.40 | — | |
| Caterham | 29.520 | 84.7 | 45.5 | 39.2 | 68.1 | 53.9 | 39.7 | 14.3 | 59.8 | 55.3 | 43.7 | 4.9 | 0.9 | 85 | 531 | — | — | 1.0 | 8 | 5 | 3 | 14 | 4.1 | 4.6 | 8.46 | — | |
| Bath | 29.560 | 83.8 | 41.8 | 42.3 | 64.6 | 50.1 | 32.2 | 14.0 | 58.2 | 51.7 | 38.4 | 4.0 | 0.8 | 85 | 525 | 115.0 | 48.4 | 1.3 | 5 | 2 | 8 | 15 | 6.4 | 4.1 | 13.79 | — | |
| Stratfield Turgiss | 29.553 | 83.3 | 32.5 | 21.1 | 71.1 | 64.8 | 39.1 | 22.8 | 58.8 | 52.8 | 40.2 | 4.5 | 1.1 | 80 | 530 | 112.6 | 42.8 | 1.1 | 5 | 2 | 8 | 15 | 2.4 | 5.7 | 39 | 8.40 | |
| Marlborough | 29.570 | 87.1 | 36.2 | 25.0 | 67.2 | 49.4 | 43.2 | 17.8 | 57.5 | 50.5 | 36.8 | 4.1 | 1.2 | 78 | 527 | 116.1 | 43.3 | 0.6 | 8 | 2 | 8 | 13 | 5.8 | 4.5 | 10.21 | — | |
| Blackheath | 29.542 | 84.0 | 41.0 | 53.0 | 65.2 | 52.8 | 39.3 | 16.1 | 59.4 | 52.8 | 40.1 | 4.5 | 1.3 | 79 | 530 | 110.4 | 45.6 | 1.1 | 6 | 2 | 8 | 14 | 6.5 | 4.6 | 9.20 | — | |
| Whitechurch | 29.550 | 84.6 | 41.7 | 52.9 | 67.9 | 52.3 | 41.5 | 18.6 | 59.7 | 52.0 | 38.9 | 4.3 | 1.4 | 76 | 531 | 110.4 | 48.7 | — | 10 | 3 | 6 | 12 | 5.0 | 4.4 | 8.77 | — | |
| Camden Square | 29.550 | 84.6 | 41.7 | 52.9 | 67.9 | 52.3 | 41.5 | 18.6 | 59.7 | 52.0 | 38.9 | 4.3 | 1.4 | 76 | 531 | 110.4 | 48.7 | — | 10 | 3 | 6 | 12 | 5.0 | 4.4 | 8.77 | — | |
| Barnet | 29.546 | 83.0 | 37.2 | 26.1 | 69.4 | 48.0 | 45.5 | 21.4 | 58.0 | 51.9 | 39.2 | 4.4 | 1.0 | 81 | 531 | 116.5 | 48.0 | 2.2 | 6 | 2 | 10 | 13 | 6.6 | 5.3 | 8.35 | — | |
| Oxford | 29.546 | 83.0 | 37.2 | 26.1 | 69.4 | 48.0 | 45.5 | 21.4 | 58.0 | 51.9 | 39.2 | 4.4 | 1.0 | 81 | 531 | 116.5 | 48.0 | 2.2 | 6 | 2 | 10 | 13 | 6.6 | 5.3 | 8.35 | — | |
| Gloucester | 29.541 | 83.0 | 38.0 | 31.0 | 70.5 | 50.2 | 43.7 | 19.0 | 58.5 | 53.5 | 41.0 | 4.6 | 0.9 | 83 | 532 | 112.0 | 46.4 | 1.6 | 8 | 3 | 3 | 17 | 5.8 | 5.2 | 6.19 | — | |
| Cardington | 29.571 | 83.0 | 41.2 | 51.8 | 69.0 | 50.1 | 38.4 | 18.2 | 58.1 | 52.1 | 38.9 | 4.3 | 1.1 | 81 | 530 | 110.4 | 45.6 | 1.1 | 6 | 2 | 5 | 17 | 6.6 | 4.4 | 8.79 | — | |
| Royton | 29.501 | 81.6 | 37.0 | 24.6 | 69.5 | 50.3 | 43.5 | 19.2 | 59.6 | 52.7 | 39.7 | 4.4 | 1.4 | 79 | 530 | 103.6 | 47.4 | 1.2 | 6 | 2 | 5 | 17 | 6.6 | 4.4 | 8.79 | — | |
| Cambridge | 29.492 | 83.0 | 36.0 | 27.0 | 71.6 | 60.8 | 45.6 | 20.7 | 59.4 | 53.2 | 40.7 | 4.6 | 1.1 | 80 | 532 | 128.4 | 45.4 | 1.0 | 8 | 2 | 10 | 12 | 6.2 | 5.1 | 9.22 | — | |
| Stockton near Rugby | 29.439 | 81.2 | 31.0 | 20.0 | 67.8 | 47.4 | 43.8 | 23.1 | 56.2 | 52.7 | 39.8 | 4.5 | 0.6 | 89 | 529 | 112.0 | 46.4 | 1.6 | 8 | 3 | 13 | 16 | 6.4 | 4.8 | 8.02 | — | |
| Lowestoft | 29.520 | 87.0 | 37.7 | 49.3 | 65.7 | 51.7 | 39.3 | 14.0 | 58.5 | 51.2 | 37.8 | 4.2 | 1.0 | 77 | 532 | 110.3 | 48.5 | 0.7 | 7 | 4 | 6 | 13 | 6.4 | 4.8 | 8.02 | — | |
| Somerleyton | 29.478 | 80.3 | 37.1 | 26.7 | 67.5 | 51.4 | 39.7 | 16.1 | 57.6 | 52.9 | 40.3 | 4.5 | 0.7 | 84 | 533 | 110.4 | 45.7 | 1.0 | 7 | 4 | 8 | 12 | 6.1 | 6.0 | 7.85 | — | |
| Wolverhampton | 29.542 | 87.7 | 39.8 | 29.9 | 64.6 | 49.8 | 36.7 | 14.8 | 55.9 | 49.4 | 35.6 | 4.0 | 1.1 | 79 | 528 | — | — | 1.0 | 5 | 3 | 9 | 13 | 7.9 | 4.4 | 7.72 | — | |
| Leicester | 29.559 | 87.3 | 37.5 | 49.5 | 69.0 | 50.3 | 40.4 | 16.6 | 57.8 | 49.5 | 35.5 | 3.9 | 1.3 | 74 | 530 | 114.8 | 42.5 | 1.0 | 7 | 3 | 9 | 12 | 6.8 | 4.9 | 8.93 | — | |
| Nottingham | 29.521 | 81.6 | 37.2 | 26.1 | 69.4 | 48.0 | 45.5 | 21.4 | 58.0 | 51.9 | 39.2 | 4.4 | 1.0 | 81 | 531 | 107.3 | 47.4 | 0.3 | 7 | 3 | 8 | 13 | 0.9 | 6.0 | 7.92 | — | |
| Holkham | 29.502 | 87.3 | 35.5 | 25.1 | 69.5 | 48.1 | 42.3 | 18.4 | 56.9 | 51.2 | 37.8 | 4.2 | 1.0 | 82 | 534 | 114.3 | 45.4 | 1.4 | 8 | 2 | 12 | 8 | 6.7 | — | 8.30 | — | |
| Llandudno | 29.630 | 74.8 | 45.7 | 29.1 | 62.4 | 52.7 | 24.0 | 9.7 | 56.7 | 50.4 | 37.2 | 4.2 | 1.0 | 80 | 534 | — | — | 0.8 | 4 | 5 | 3 | 18 | 6.4 | 4.5 | 9.31 | — | |
| Liverpool | 29.538 | 84.2 | 45.3 | 38.9 | 62.8 | 52.4 | 39.3 | 10.4 | 56.3 | 50.1 | 36.3 | 4.1 | 1.0 | 80 | 532 | — | — | 1.1 | 4 | 4 | 6 | 17 | 7.4 | 4.9 | 8.67 | — | |
| Bolton | 29.553 | 83.2 | 40.2 | 43.0 | 62.0 | 49.0 | 31.1 | 13.6 | 54.5 | 49.4 | 35.2 | 4.0 | 0.8 | 82 | 528 | 77.1 | 42.5 | 1.9 | 6 | 3 | 8 | 13 | 3.0 | 6.5 | 16.32 | — | |
| Hull | 29.503 | 81.0 | 37.0 | 27.0 | 69.2 | 49.1 | 39.3 | 16.7 | 57.4 | 51.1 | 37.6 | 4.2 | 1.1 | 80 | 534 | 89.2 | 46.9 | 1.8 | 5 | 4 | 6 | 15 | 6.7 | 5.6 | 12.54 | — | |
| Stonyhurst | 29.554 | 83.2 | 40.2 | 43.0 | 62.0 | 49.0 | 31.1 | 13.6 | 54.5 | 49.4 | 35.2 | 4.0 | 0.8 | 82 | 530 | 112.6 | 47.7 | — | 4 | 3 | 6 | 18 | 8.1 | 6.8 | 14.20 | — | |
| Bradford | 29.521 | 83.3 | 43.0 | 40.3 | 64.1 | 51.6 | 31.4 | 12.5 | 55.4 | 49.3 | 35.1 | 3.9 | 1.2 | 77 | 529 | 81.5 | — | 0.8 | 5 | 6 | 14 | 6.3 | 5.8 | 10.15 | — | | |
| Leeds | 29.464 | 87.0 | 42.0 | 45.0 | 66.9 | 51.1 | 39.0 | 15.8 | 57.9 | 53.7 | 41.6 | 4.6 | 0.7 | 86 | 531 | 81.2 | — | 1.2 | 6 | 4 | 5 | 15 | 6.6 | 5.3 | 8.08 | — | |
| Lancaster | 29.478 | 82.0 | 38.0 | 24.0 | 63.7 | 50.3 | 36.7 | 13.5 | 55.3 | 50.6 | 37.1 | 4.1 | 0.8 | 84 | 534 | — | — | — | — | — | — | — | — | — | 54 | 14.85 | — |
| Cockermouth | 29.414 | 78.2 | 35.0 | 20.2 | 62.4 | 50.4 | 30.4 | 12.0 | 55.2 | 49.8 | 35.8 | 4.0 | 0.9 | 82 | 532 | 106.7 | 45.0 | 0.5 | 3 | 4 | 8 | 15 | 1.7 | 7.6 | 4.9 | 9.88 | — |
| Silloth | 29.515 | 78.2 | 35.0 | 20.2 | 62.4 | 50.4 | 30.4 | 12.0 | 55.2 | 49.8 | 35.8 | 4.0 | 0.9 | 82 | 532 | 106.7 | 45.0 | 0.5 | 3 | 4 | 7 | 14 | 1.7 | 7.6 | 4.9 | 9.88 | — |
| Carlisle | 29.504 | 78.7 | 37.8 | 40.9 | 64.8 | 49.2 | 35.8 | 15.6 | 55.4 | 51.3 | 37.1 | 4.2 | 0.9 | 84 | 534 | 96.9 | 43.5 | 0.9 | 3 | 8 | 4 | 15 | 3.1 | 7.9 | 5.2 | 11.10 | — |
| Bywell | 29.504 | 78.7 | 37.8 | 40.9 | 64.8 | 49.2 | 35.8 | 15.6 | 55.4 | 51.3 | 37.1 | 4.2 | 0.9 | 84 | 534 | 96.9 | 43.5 | 0.9 | 3 | 8 | 4 | 15 | 3.1 | 7.9 | 5.2 | 11.10 | — |

The highest temperatures of the air were at Greenwich, 97°1; Osborne, 95°6; and Camden Square, 94°6.

The lowest temperatures of the air were at Stockton, 31°0; Salisbury, 32°5; and Barnstaple, 34°0.

The greatest daily ranges of temperatures were at Salisbury, 22°8; Stratfield Turges, 21°4; and Stockton, 21°3.

The least daily ranges of temperatures were at Llandudno, 9°7; Liverpool, 10°4; and Cockermouth, 12°0.

The greatest number of days of rain were at Bolton, 65; Guernsey and Nottingham, 60.

The least number of days of rain were at Gloucester, 32; Osborne 37; and Southbourne, 38.

The greatest falls of rain were at Bolton, 16.32 inches; Lancaster, 14.85 inches; and Bath, 13.79 inches.

The least falls of rain in the quarter were at Gloucester, 6.19 inches; Southbourne, 6.94 inches; and Barnstaple, 7.40 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | Rain. Amount collected.</ |
|----------------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|-------|--|--|--|-----------------------|-----------------------|----------------------------------|---------------------------|
|----------------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|-------|--|--|--|-----------------------|-----------------------|----------------------------------|---------------------------|

The mean temperature of the air in October was $10^{\circ} \cdot 1$ lower than in September, in November was $3^{\circ} \cdot 4$ higher than in October, and in December was $8^{\circ} \cdot 9$ lower than in November. (From the preceding 40 years observations the decrease of temperature from September to October is $7^{\circ} \cdot 1$, from October to November is $6^{\circ} \cdot 7$, and from November to December $3^{\circ} \cdot 5$.)

From September to October there was a decrease of temperature at all stations; south of latitude 51° it was $7^{\circ} \cdot 6$; from 51° to 52° it was $9^{\circ} \cdot 7$, and gradually decreased to $8^{\circ} \cdot 2$ at extreme northern station; from October to November there was an increase from 2° to 3° at every station, and from November to December there was a decrease of 8° upon the average from all stations.

| Temperature of | | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|----------------------------------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|----------|---------------------------------|-------|---------------------------------|-------|--|--|
| Air. | | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | | | | |
| 1881. MONTHS. | Mean. | Diff. from average of 110 years. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | |
| Oct. - | 45.3 | -3.5 | -4.8 | 43.5 | -4.6 | 41.3 | -4.6 | 13.4 | -1.3 | in. .261 | -0.051 | 3.0 | gr. -0.6 | | | |
| Nov. - | 48.7 | +6.4 | +5.3 | 47.0 | +5.8 | 45.1 | +5.8 | 11.2 | -0.3 | .301 | +0.057 | 3.4 | +0.6 | | | |
| Dec. - | 39.8 | +0.8 | -0.1 | 38.4 | -0.1 | 36.6 | 0.0 | 9.0 | -0.4 | .217 | -0.002 | 2.5 | -0.1 | | | |
| Means - | 44.6 | +1.2 | +0.1 | 43.0 | +0.4 | 41.0 | +0.4 | 11.2 | -0.7 | .260 | +0.001 | 3.0 | 0.0 | | | |

| 1881. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|--------------------------|---------------------------|--------------|
| | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Amount. | Diff. from average of 66 years. | | Number of Nights it was | | Lowest Reading at Night. | Highest Reading at Night. | |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | | | |
| | | | | | | | | | | | | | | |
| Oct. - | 85 | - 1 | in. 29.827 | +0.121 | grs. 547 | + 8 | in. 2.70 | -0.11 | Miles. 305 | 11 | 13 | 7 | 19.6 | 47.3 |
| Nov. - | 88 | 0 | 29.785 | +0.037 | 542 | - 6 | 2.27 | -0.07 | 361 | 5 | 16 | 9 | 22.1 | 47.8 |
| Dec. - | 89 | + 1 | 29.821 | +0.027 | 553 | + 1 | 2.55 | +0.56 | 297 | 19 | 12 | 0 | 17.2 | 39.5 |
| Means - | 88 | 0 | 29.811 | +0.032 | 547 | + 1 | Sum 7.52 | Sum +0.38 | Mean 321 | Sum 35 | Sum 41 | Sum 16 | Lowest 17.2 | Highest 47.8 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follow:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|-----------|----------|-------------------------|
| | 1881. | Average. | Departure from Average. | 1881. | Average. | Departure from Average. | 1881. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 2 | +2 | 0 | 2½ | -2½ | ½ | 2 | -1½ |
| N. | 2 | 3 | -1 | 0 | 3½ | -3½ | 3 | 3 | 0 |
| N.E. | 6 | 2½ | +3½ | 2½ | 3½ | -1 | 1 | 2½ | -1½ |
| E. | 5 | 1 | +4 | 1½ | 2 | -½ | 2½ | 1½ | +1 |
| S.E. | 6 | 1½ | +4½ | 3½ | 2 | +1½ | 1 | 1½ | -½ |
| S. | 1 | 3½ | -2½ | 6 | 3½ | +2½ | 2½ | 3 | -½ |
| S.W. | 2 | 9 | -7 | 10½ | 7½ | +2½ | 12½ | 10 | +2½ |
| W. | 5 | 2 | +3 | 6½ | 2 | +4½ | 7½ | 4 | +3½ |

The sign (+) denotes excesses over averages; in October the largest numbers with a (+) sign are those opposite to S.E., E., and N.E.; in November opposite W., S.W., and S.; and in December opposite to W. and S.W.

The sign (-) denotes deficiencies below averages. In October the largest numbers are opposite S.W. and S.; in November opposite to N. and N.W.; and in December opposite to N.W. and N.E.

About London the mean daily pressure of the atmosphere till October 8th was above the average by 0.4 in.; from the 9th to the 14th it was below by 0.12 in. daily; then for five days it was above by 0.15 in. daily; from the 20th to the 25th it was below by 0.26 in. daily; and it was 0.26 in. daily above till the end of the month. On the first four days in November it was below by 0.06 in. daily; from November 5th to the 24th it was mostly above, the mean averaging for these 20 days 0.16 in. in excess of daily average; then for four days it was below by 0.49 in. daily; from November 29th to December 6th, it was upon the average 0.22 in. above; then for six days 0.2 in. below; then for three days 0.22 in. above; from December 16th to 22nd, it was daily 0.46 in. below; then for seven days 0.41 in. above, and on the last two days of the year it was slightly below the average.

The mean reading of the barometer for the month of October at the height of 160 feet above the sea, was 29.827 in., it being $.121$ in. above the average of 40 years, and $.121$ in. above that of 1880, and $.125$ in. below that of 1879.

The mean reading for November was 29.785 in. being $.037$ in. above the average of 40 years, and $.008$ below that of 1880, and $.249$ in. below that of 1879.

The mean reading for December was 29.821 in., being $.027$ in. above the average of 40 years, and $.072$ in. above that of 1880, and $.318$ in. below that of 1879.

The atmospheric pressure in October was $.026$ in. greater than in September; that in November was $.042$ in. less than in October, and that in December was $.036$ in. greater than in November. (From the 40 years observations the mean pressure in October is $.099$ in. less than in September; that in November $.042$ greater than in October, and that in December $.046$ in. greater than in November.)

At all stations excepting Guernsey, where there was a slight decrease of atmospheric pressure from September to October, there was an increase of pressure varying from $.017$ in. at southern to $.045$ in. at northern stations; from October to November there was a decrease at all stations, from $.04$ in. at southern to 0.29 in. at northern, and from November to December there was an increase everywhere, and nearly to the same amount, viz., $.07$ in.

Thunderstorms occurred in November; on the 22nd at Llandudno; on the 23rd at Bolton; on the 26th at Guernsey, Oxford, Wolverhampton, Hull, and Bradford; on the 27th at Guernsey, Truro, Totnes, Torquay, Osborne, Wilt, and Oxford. In December on the 18th at Bolton; on the 19th at Osborne; and on the 20th at Plymouth, Torquay, Southbourne, and Wilt.

Thunder was heard but lightning was not seen in November on the 23rd at Carlisle; on the 26th and 27th at Ventnor.

Lightning was seen but thunder was not heard in October; on the 12th at Wolverhampton; on the 15th at Liverpool; and on the 29th at Guernsey, Plymouth, and Totnes. In November on the 12th and 16th at Carlisle; on the 22nd at Plymouth, Totnes, Torquay, Cambridge, and Halifax; on the 24th and 25th at Carlisle; on the 25th at Torquay and Carlisle; on the 26th and 27th at Plymouth, Torquay, Ventnor, Oxford, Cardington, Cambridge, and Carlisle.

Solar halos were seen in October; on the 12th at Torquay; on the 16th at Halifax; on the 19th at Torquay and Oxford; on the 21st at Oxford; on the 31st at Torquay, Liverpool, and Halifax. In November on the 1st, 3rd, and 30th at Torquay; on the 9th and 18th at Strathfield; on the 9th at Oxford; on the 4th, 7th, and 26th at Halifax. In December on the 3rd at Strathfield Turgiss; on the 5th and 28th at Oxford.

Lunar halos were seen in October; on the 2nd at Wilt; on the 5th at Hull; and on the 31st at Oxford, Cambridge, Liverpool, and Hull. In November on the 3rd at Cambridge; on the 5th at Oxford and Cambridge; on the 8th at Cambridge; on the 9th at Torquay, Strathfield Turgiss, Oxford, Cardington, Cambridge, and Leicester; on the 25th at Halifax; on the 28th at Torquay; on the 30th and 31st at Hull. In December on the 1st at Blackheath; on the 2nd at Strathfield Turgiss; on the 4th and 5th at Torquay; and on the 30th at Carlisle.

Aurora borealis was seen in October on the 21st and 22nd at Carlisle. In November on the 23rd at Cardington.

Snow fell in October on the 15th at Wolverhampton; on the 28th at Oxford, Bolton, and Bywell; on the 29th at Barnet, Royston, Cardington, Rugby, Cambridge, Wolverhampton, Halifax, Hull, Bradford, and Bywell; on the 30th at Somerleyton; and on the 31st at Bolton. In November on the 1st at Osborne, Caterham, Strathfield, Whitechurch, Barnet, Oxford, Cardington, Rugby, Cambridge, Wolverhampton, Halifax, Bradford, and Carlisle. In December on the 8th at Royston and Halifax; on the 9th at Ventnor and Southampton; on the 10th at Ventnor, Osborne, Marlborough, Whitechurch, Oxford, Royston, Cambridge; on the 11th at Royston, Cardington, Cambridge, Wolverhampton, and Halifax; on the 12th at Whitechurch; on the 13th at Royston; on the 15th at Bolton; on the 16th at Bolton; on the 17th and 18th at Torquay, Cambridge, Liverpool, and Halifax; on the 19th at Torquay, Bolton, Carlisle; on the 20th at Strathfield Turgiss, Marlborough, Bolton, Llandudno, and Halifax; and on the 21st at Halifax.

Hail fell in October on the 8th at Cardington; on the 9th, 13th, 14th, and 15th at Llandudno; on the 15th at Caterham, Whitechurch, Liverpool, and Llandudno; on the 29th at Guernsey, Whitechurch, Oxford, Royston, Somerleyton, Rugby, Cambridge, and Hull. In November on the 1st, 2nd, 3rd, and 27th at Llandudno; on the 2nd at Bolton; on the 3rd at Halifax and Silloth; on the 8th at Bradford and Silloth; on the 16th at Rugby and Bolton; on the 17th at Halifax; on the 18th at Silloth; on the 22nd at Carlisle; on the 23rd at Bolton, Llandudno, Hull, and Carlisle; on the 25th at Plymouth; on the 26th at Truro, Plymouth, Ventnor, Strathfield Turgiss, and Hull; on the 27th at Guernsey, Truro, Totnes, Torquay, Osborne, Llandudno, and Halifax; on the 28th at Totnes and Torquay. In December on the 5th at Bolton; on the 7th at Truro and Bolton; on the 8th at Truro and Carlisle; on the 9th at Truro; on the 17th at Guernsey, Truro, Halifax, and Carlisle; on the 18th at Guernsey, Truro, Plymouth, Torquay, Southbourne, Liverpool, Bolton, and Halifax; on the 19th at Guernsey, Truro, Plymouth, Liverpool, Halifax, and Carlisle; on the 20th at Guernsey, Truro, Ventnor, and Southbourne.

Fog prevailed on the 1st of October at Cardington, Cambridge, and Hull; on the 5th at Oxford; on the 7th at Totnes, Bolton, and Llandudno; on the 8th at Torquay, Oxford, Bolton, and Llandudno; on the 9th at Caterham and Bolton; on the 10th at Cambridge; on the 16th at Oxford and Bolton; on the 17th and 18th at Cambridge; on the 21st and 23rd at Marlborough; on the 28th at Oxford, and on the 31st at Caterham. Upon the whole there was very little fog in October.

| Year 1881. | Month. | Pressure of Atmosphere in Month. | Temperature of Air in Month. | | | | Mean Tem- perature. | | Vapour. In a Cubic foot of Air. | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Rain. Number of Days in fall. | Amount col- lected. | | | | | | | |
|--|--------|--|------------------------------|---------|--------|-------|-------------------------|---|---------------------------------------|------------------------------------|--|----------------------------|----------------------|-----------------------------|-------------------------------------|---------------------------|------------|---------------------------|-------------|--------------|----|----|----|
| | | | Range. | | | Mean. | Short of Saturation. | Mean Degree of Humi- dity. Sat. = 100. | | | Mean Weight of a Cubic Foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | | | | Estimated. | Relative Proportion of | | | | | |
| | | | Highest. | Lowest. | Range. | | | | | | | | | | | | | All Highest. | All Lowest. | Daily Range. | N. | S. | W. |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Height above Sea Level. | feet. | in. | in. | °. | °. | °. | °. | °. | °. | °. | °. | °. | °. | °. | °. | °. | | | | | | | |
| RAMSGATE (Kent). REV. T. E. EGAN, O.S.B. | 108 | 29.874 | 1.206 | 60.0 | 60.0 | 29.6 | 31.8 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.877 | 1.200 | 60.0 | 60.0 | 29.5 | 32.5 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.881 | 1.206 | 60.0 | 60.0 | 29.6 | 31.8 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| STRATHFIELD TURGIS (Hants). REV. C. H. GRIFFITH, M.A., F.M.S. | 197 | 29.801 | 1.338 | 62.8 | 62.8 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.794 | 1.306 | 62.8 | 62.8 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.794 | 1.306 | 62.8 | 62.8 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| BATH (Somerset). St. Gregory's College, Downside. | 336 | 29.388 | 1.338 | 59.6 | 59.6 | 28.4 | 32.1 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.388 | 1.338 | 59.6 | 59.6 | 28.4 | 32.1 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.388 | 1.338 | 59.6 | 59.6 | 28.4 | 32.1 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| REV. T. J. ALMOND, O.S.B., F.M.S. MARLBOROUGH (Wilts). REV. THOMAS A. PRESTON, M.A., F.M.S. | 433 | 29.405 | 1.383 | 60.0 | 60.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.410 | 1.376 | 60.0 | 60.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.414 | 1.378 | 60.0 | 60.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| BLACKHEATH (Kent). JAMES GLASHER, Esq., F.R.S. | 100 | 29.830 | 1.406 | 62.5 | 62.5 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.789 | 1.420 | 61.5 | 61.5 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.835 | 1.412 | 62.0 | 62.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| WHITCHURCH RECTORY (Oxon). (near Reading). REV. J. SLATER, M.A., F.M.S. | 150 | 29.846 | 1.393 | 61.9 | 61.9 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.783 | 1.475 | 62.5 | 62.5 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.850 | 1.441 | 62.9 | 62.9 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| CAMDEN SQUARE (London). G. J. STIMSON, Esq., F.R.S., F.M.S. | 123 | 29.870 | 1.407 | 63.4 | 63.4 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.818 | 1.417 | 62.5 | 62.5 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.889 | 1.421 | 63.0 | 63.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| BARNET (Gas Works). T. H. MARTIN, Esq., C.E. | 212 | 29.800 | 1.320 | 62.0 | 62.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.748 | 1.432 | 63.8 | 63.8 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.790 | 1.378 | 63.6 | 63.6 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| OXFORD (The Observatory). E. J. STONE, Esq., M.A., F.R.S. | 210 | 29.781 | 1.472 | 63.4 | 63.4 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.692 | 1.403 | 59.5 | 59.5 | 28.0 | 34.5 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.748 | 1.400 | 64.0 | 64.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| GLOUCESTER COUNTY ASYLUM. E. TOLLER, Esq., M.R.C.S., F.M.S. | 100 | 29.916 | 1.456 | 63.5 | 63.5 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.783 | 1.556 | 60.0 | 60.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.788 | 1.450 | 64.0 | 64.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| ROYSTON (Hertfordshire). HARRISON, Esq., F.R.A.S., F.M.S. | 229 | 29.723 | 1.385 | 63.0 | 63.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.716 | 1.555 | 61.4 | 61.4 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.716 | 1.555 | 61.4 | 61.4 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| BEDFORD, Carlington. MR. J. MALL, Assistant to MR. J. MALL, Esq., M.P. | 105 | 29.968 | 1.506 | 62.6 | 62.6 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.785 | 1.520 | 62.4 | 62.4 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.831 | 1.478 | 63.0 | 63.0 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| CAMBRIDGE (Trinity College). J. W. L. GLASHER, Esq., M.A., F.R.S. | | 29.945 | 1.506 | 64.6 | 64.6 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.869 | 1.462 | 64.2 | 64.2 | 29.0 | 31.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.806 | 1.726 | 55.5 | 55.5 | 24.0 | 34.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| RUGBY (Warwickshire). Stockton, The Rectory, REV. W. TUCKWELL. | 607 | 29.580 | 1.488 | 67.0 | 67.0 | 34.0 | 43.0 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.459 | 1.450 | 60.0 | 60.0 | 30.0 | 37.5 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |
| | | 29.557 | 1.508 | 52.5 | 52.5 | 15.0 | 57.5 | 37.0 | 87.4 | 1.0 | 31.5 | 7 | 12 | 5 | 6.9 | 10.37 | | | | | | | |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1881. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Amount in inch. | | | | | | |
|---|------------------------------------|------------|----------------------------------|--------|----------|------------------------------|--------|-----------------|-------------------|-------|---------|------------|----------------|------------------------------|-------|----------------------|--------------------------|-----------------------|-------------------------|-----------------|---------------------|------------------------------|---------------------|------------------------|------|------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Air. | Dew Point. | Elastic Force. | | Mean. | Short of Saturation. | Mean Degree of Humidity. | | | | Mean Weight of Air. | Mean Reading of Thermometer. | Estimated Strength. | Relative Proportion of | | |
| | | | | | | | | | | | | | | | | | | | | | | | | N. | S. | W. |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.M.S. | 89 | Oct. | 29.898 | 1.543 | 59.7 | 32.3 | 27.4 | 26.4 | 54.8 | 42.4 | 47.6 | 40.4 | 25.1 | 27.8 | 32.3 | 77 | 54.4 | 38.4 | 1.1 | 13 | 4 | 6 | 12 | 1.1 | 20 | 3.26 |
| | | Nov. | 29.890 | 1.428 | 59.0 | 32.5 | 27.0 | 26.5 | 53.1 | 43.1 | 47.8 | 41.4 | 25.3 | 2.5 | 0.4 | 88 | 54.4 | 38.9 | 0.8 | 5 | 13 | 16 | 6 | 11 | 1.26 | 3.26 |
| | | Dec. | 29.879 | 1.783 | 51.0 | 27.0 | 24.0 | 45.6 | 35.1 | 9.4 | 47.8 | 44.4 | 23.8 | 3.3 | 0.4 | 80 | 55.1 | 31.1 | 0.6 | 8 | 12 | 16 | 6.2 | 11 | 1.26 | 3.26 |
| SOMERLEYTON (Suffolk), The Rectory, F.M.S. | 50 | Oct. | 29.941 | 1.693 | 60.1 | 29.8 | 20.3 | 39.3 | 41.1 | 42.2 | 46.0 | 41.1 | 21.9 | 3.0 | 0.6 | 84 | 54.8 | 32.7 | 1.1 | 8 | 12 | 4 | 14 | 6.4 | 23 | 2.62 |
| | | Nov. | 29.888 | 1.610 | 51.0 | 32.0 | 28.3 | 35.6 | 35.6 | 42.2 | 46.0 | 41.1 | 21.9 | 3.0 | 0.6 | 88 | 54.7 | 32.7 | 1.1 | 8 | 12 | 4 | 14 | 6.4 | 23 | 2.62 |
| | | Dec. | 29.891 | 1.610 | 51.0 | 32.7 | 28.3 | 35.6 | 35.6 | 42.2 | 46.0 | 41.1 | 21.9 | 3.0 | 0.6 | 91 | 55.6 | 31.1 | 1.0 | 2 | 16 | 11 | 5.4 | 1.45 | 1.45 | 3.49 |
| WOLVERHAMPTON (Staffordshire), Rev. C. J. STEWARD, F.M.S., Wrottesley. | 500 | Oct. | 29.449 | 1.692 | 61.3 | 25.7 | 35.6 | 37.1 | 13.7 | 43.2 | 39.2 | 39.2 | 21.9 | 2.4 | 0.3 | 81 | 54.2 | 32.7 | — | 7 | 12 | 5 | 7 | 7.7 | 13 | 2.51 |
| | | Nov. | 29.449 | 1.692 | 61.3 | 25.7 | 35.6 | 37.1 | 13.7 | 43.2 | 39.2 | 39.2 | 21.9 | 2.4 | 0.3 | 90 | 55.7 | 31.1 | — | 7 | 12 | 5 | 7 | 7.7 | 13 | 2.51 |
| | | Dec. | 29.375 | 1.693 | 50.6 | 29.4 | 30.2 | 41.7 | 31.6 | 10.1 | 45.7 | 42.9 | 21.9 | 2.4 | 0.3 | 92 | 54.8 | 31.1 | — | 2 | 15 | 11 | 6 | 5.1 | 18 | 2.48 |
| LEICESTER (Town Museum), W. J. HARRISON, Esq., F.G.S. | 238 | Oct. | 29.735 | 1.703 | 62.3 | 29.5 | 36.2 | 31.9 | 39.6 | 12.3 | 45.1 | 40.6 | 21.9 | 2.4 | 0.3 | 85 | 54.2 | 32.7 | — | 3 | 15 | 11 | 6 | 5.1 | 18 | 2.53 |
| | | Nov. | 29.735 | 1.703 | 62.3 | 29.5 | 36.2 | 31.9 | 39.6 | 12.3 | 45.1 | 40.6 | 21.9 | 2.4 | 0.3 | 87 | 54.6 | 32.7 | 0.8 | 9 | 10 | 8 | 4 | 5.8 | 16 | 2.81 |
| | | Dec. | 29.683 | 1.715 | 52.2 | 24.2 | 30.7 | 42.8 | 32.5 | 9.4 | 47.8 | 44.4 | 23.8 | 3.3 | 0.4 | 82 | 53.6 | 32.7 | 0.6 | 3 | 13 | 14 | 3 | 5.1 | 19 | 2.12 |
| NOTTINGHAM (Notre), F.M.S. | 183 | Oct. | 29.891 | 1.742 | 64.5 | 27.2 | 37.3 | 35.2 | 39.6 | 12.3 | 45.1 | 40.6 | 21.9 | 2.4 | 0.3 | 85 | 54.3 | 32.7 | 1.0 | 1 | 13 | 14 | 6 | 5.1 | 19 | 2.97 |
| | | Nov. | 29.891 | 1.742 | 64.5 | 27.2 | 37.3 | 35.2 | 39.6 | 12.3 | 45.1 | 40.6 | 21.9 | 2.4 | 0.3 | 85 | 54.3 | 32.7 | 0.6 | 3 | 13 | 14 | 6 | 5.1 | 19 | 2.97 |
| | | Dec. | 29.719 | 1.743 | 51.9 | 31.9 | 24.9 | 42.8 | 32.5 | 9.4 | 47.8 | 44.4 | 23.8 | 3.3 | 0.4 | 83 | 53.4 | 32.7 | 0.2 | 4 | 16 | 10 | 2 | 4 | 31 | 2.10 |
| HOLKHAM (Norfolk), JOHN DAVIDSON, Esq., Assistant to the Earl of Leicester. | 39 | Oct. | 29.934 | 1.714 | 61.6 | 29.5 | 36.1 | 31.7 | 37.0 | 14.7 | 44.5 | 39.0 | 21.9 | 2.4 | 0.3 | 81 | 55.0 | 32.7 | 0.2 | 4 | 16 | 10 | 2 | 4 | 31 | 2.10 |
| | | Nov. | 29.934 | 1.714 | 61.6 | 29.5 | 36.1 | 31.7 | 37.0 | 14.7 | 44.5 | 39.0 | 21.9 | 2.4 | 0.3 | 81 | 55.0 | 32.7 | 0.2 | 4 | 16 | 10 | 2 | 4 | 31 | 2.10 |
| | | Dec. | 29.352 | 1.495 | 51.2 | 19.9 | 31.3 | 43.2 | 30.3 | 12.9 | 38.0 | 35.4 | 20.3 | 2.4 | 0.3 | 89 | 53.8 | 32.2 | 1.8 | 1 | 2 | 23 | 6 | 6.2 | 12 | 2.42 |
| LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | 197 | Oct. | 29.895 | 1.820 | 60.0 | 30.6 | 29.4 | 32.2 | 42.6 | 9.6 | 46.9 | 40.5 | 21.9 | 2.4 | 0.3 | 89 | 54.7 | 32.2 | 1.4 | 0 | 2 | 23 | 6 | 6.2 | 12 | 2.42 |
| | | Nov. | 29.648 | 1.780 | 62.8 | 35.3 | 27.5 | 55.6 | 46.4 | 9.2 | 43.1 | 44.3 | 21.9 | 2.4 | 0.3 | 79 | 54.7 | 32.2 | 1.8 | 1 | 2 | 23 | 6 | 6.2 | 12 | 2.42 |
| | | Dec. | 29.791 | 1.700 | 50.5 | 29.2 | 25.3 | 47.3 | 38.2 | 9.1 | 43.1 | 40.9 | 21.9 | 2.4 | 0.3 | 83 | 54.9 | 32.2 | 1.4 | 0 | 2 | 23 | 6 | 6.2 | 12 | 2.42 |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 197 | Oct. | 29.792 | 1.839 | 63.1 | 31.5 | 31.6 | 31.7 | 31.9 | 9.3 | 45.2 | 38.9 | 21.9 | 2.4 | 0.3 | 83 | 54.6 | 32.2 | 1.7 | 0 | 4 | 7 | 16 | 4 | 7 | 2.42 |
| | | Nov. | 29.792 | 1.839 | 63.1 | 31.5 | 31.6 | 31.7 | 31.9 | 9.3 | 45.2 | 38.9 | 21.9 | 2.4 | 0.3 | 83 | 54.6 | 32.2 | 1.7 | 0 | 4 | 7 | 16 | 4 | 7 | 2.42 |
| | | Dec. | 29.670 | 1.802 | 52.8 | 28.2 | 24.6 | 44.6 | 35.8 | 8.8 | 40.4 | 38.5 | 21.9 | 2.4 | 0.3 | 86 | 54.0 | 32.2 | 1.7 | 0 | 4 | 7 | 16 | 4 | 7 | 2.42 |
| BOLTON, Sharples (Lancashire), REV. T. MACRETH, F.R.A.S., F.M.S. | 500 | Oct. | 29.467 | 1.872 | 60.5 | 27.3 | 33.2 | 30.3 | 35.8 | 11.5 | 43.9 | 38.1 | 20.3 | 2.6 | 0.6 | 79 | 54.3 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Nov. | 29.292 | 1.739 | 57.7 | 33.1 | 25.2 | 51.3 | 43.5 | 9.5 | 45.6 | 42.1 | 20.3 | 2.6 | 0.6 | 88 | 53.7 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Dec. | 29.353 | 1.778 | 50.4 | 23.3 | 27.1 | 41.7 | 33.1 | 8.6 | 37.9 | 34.9 | 20.3 | 2.6 | 0.6 | 89 | 54.6 | 31.9 | 0.7 | 3 | 11 | 3 | 11 | 6.4 | 23 | 2.64 |
| HALIFAX, Parkside Observatory, E. J. CROSSLEY, Esq., F.R.A.S. | 230 | Oct. | 29.489 | 1.890 | 60.0 | 29.5 | 34.5 | 40.0 | 36.6 | 12.4 | 49.0 | 43.3 | 21.9 | 2.4 | 0.3 | 80 | 54.7 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Nov. | 29.282 | 1.903 | 59.3 | 29.0 | 30.5 | 34.5 | 40.0 | 10.5 | 45.3 | 40.3 | 21.9 | 2.4 | 0.3 | 88 | 54.7 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Dec. | 29.337 | 1.902 | 52.3 | 24.0 | 25.3 | 42.3 | 33.6 | 8.7 | 38.0 | 35.1 | 20.3 | 2.4 | 0.3 | 90 | 54.7 | 32.8 | 0.7 | 3 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| HULL (Yorkshire), The People's Park, M. E. PEARCE. | 12 | Oct. | 29.623 | 1.938 | 61.1 | 24.8 | 35.3 | 33.2 | 38.2 | 15.0 | 44.5 | 39.3 | 21.9 | 2.4 | 0.3 | 80 | 54.7 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Nov. | 29.623 | 1.938 | 61.1 | 24.8 | 35.3 | 33.2 | 38.2 | 15.0 | 44.5 | 39.3 | 21.9 | 2.4 | 0.3 | 80 | 54.7 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Dec. | 29.493 | 1.780 | 50.7 | 30.7 | 26.0 | 41.7 | 31.6 | 10.1 | 45.7 | 42.9 | 21.9 | 2.4 | 0.3 | 89 | 54.6 | 31.9 | 0.7 | 3 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| STONYPURST (Lancashire), REV. S. J. PEARCE, F.R.S., F.M.S. | 323 | Oct. | 29.599 | 1.900 | 63.4 | 29.8 | 35.8 | 33.2 | 38.2 | 15.0 | 44.5 | 39.3 | 21.9 | 2.4 | 0.3 | 80 | 54.7 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Nov. | 29.415 | 1.718 | 50.5 | 29.8 | 28.2 | 42.6 | 35.5 | 9.5 | 45.6 | 42.1 | 20.3 | 2.4 | 0.3 | 89 | 54.6 | 31.9 | 0.7 | 3 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Dec. | 29.430 | 1.765 | 52.0 | 26.0 | 26.3 | 43.8 | 35.5 | 8.3 | 40.1 | 39.4 | 21.9 | 2.4 | 0.3 | 87 | 54.7 | 32.8 | 0.7 | 3 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| BRADFORD (Yorkshire), J. MCLANDBOROUGH, Esq., C.E., F.G.S. | 326 | Oct. | 29.599 | 1.900 | 63.4 | 29.8 | 35.8 | 33.2 | 38.2 | 15.0 | 44.5 | 39.3 | 21.9 | 2.4 | 0.3 | 80 | 54.7 | 32.8 | 0.8 | 2 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Nov. | 29.415 | 1.718 | 50.5 | 29.8 | 28.2 | 42.6 | 35.5 | 9.5 | 45.6 | 42.1 | 20.3 | 2.4 | 0.3 | 89 | 54.6 | 31.9 | 0.7 | 3 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| | | Dec. | 29.430 | 1.765 | 52.0 | 26.0 | 26.3 | 43.8 | 35.5 | 8.3 | 40.1 | 39.4 | 21.9 | 2.4 | 0.3 | 87 | 54.7 | 32.8 | 0.7 | 3 | 11 | 6 | 7 | 5.3 | 12 | 3.00 |
| LEEDS (Yorkshire), The Philosophical Society, HENRY CROWTHER, Esq. | 137 | Oct. | 29.850 | 1.924 | 62.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 46.4 | 41.3 | 21.9 | 2.4 | 0.3 | 83 | 54.7 | 32.8 | 1.4 | 0 | 4 | 9 | 14 | 4 | 5 | 3.19 |
| | | Nov. | 29.633 | 1.934 | 61.0 | 29.0 | 29.0 | 30.0 | 43.0 | 10.0 | 48.3 | 45.7 | 21.9 | 2.4 | 0.3 | 84 | 54.7 | 32.8 | 1.4 | 0 | 4 | 9 | 14 | 4 | 5 | 3.19 |
| | | Dec. | 29.738 | 1.728 | 54.0 | 24.0 | 30.0 | 44.0 | 35.0 | 9.6 | 48.6 | 45.6 | 21.9 | 2.4 | 0.3 | 82 | 55.1 | 32.8 | 1.3 | 0 | 3 | 7 | 16 | 6 | 3 | 2.15 |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Months. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | | | | | |
|--|------------------------------------|----------------------|----------------------------------|-------------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------|------------------------------|----------------------|----------------------|-------------------------|-----------------------|-------------------------|-------|--------------------------|-------------------------------------|-------------------------|-------------------|---------------------|------------------------|----|----|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | | Mean. | Short of Saturation. | In a cubic foot of Air. | | | | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | |
| | | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | | | | | | | | | | Daily Range. | N. | S. |
| LANCASTER (Southfields), WILLIAM ROPER, Esq. | 114 | Oct. Nov. Dec. | 29.874 29.845 29.725 | 1.884 1.730 1.490 | 63.0 57.0 49.0 | 25.0 23.0 23.0 | 38.0 34.0 29.0 | 33.1 31.2 23.1 | 39.0 37.6 33.1 | 44.7 41.7 39.7 | 24.4 23.8 20.3 | 0.5 0.5 0.4 | 83 84 85 | 54.9 54.2 53.5 | 38.4 38.2 35.1 | 1.1 1.1 1.1 | 13 21 21 | 2.29 5.73 4.68 | | | | | | | | | |
| COCKERMOUTH (Cumberland), H. DODGSON, Esq., M.D., F.R.S., F.R.A.S. | 146 | Oct. Nov. Dec. | 29.850 29.846 29.685 | 2.044 1.903 1.742 | 66.8 63.9 59.0 | 26.8 25.0 19.9 | 35.2 34.7 33.1 | 33.1 32.2 28.7 | 38.1 35.2 35.0 | 45.1 43.6 39.7 | 22.8 22.6 20.4 | 0.7 0.7 0.4 | 84 84 84 | 53.9 53.2 52.9 | 38.4 38.2 35.1 | 1.1 1.1 1.1 | 13 24 17 | 2.85 6.14 3.84 | | | | | | | | | |
| SILLOTH (Cumberland). "The Rectory," REV. J. BEDFORD, M.A., F.R.A.S., F.R.S. | 28 | Oct. Nov. Dec. | 29.983 29.801 29.765 | 2.963 1.983 1.848 | 63.0 59.4 52.8 | 31.0 28.0 20.2 | 44.0 41.0 32.6 | 31.9 31.5 24.1 | 38.4 37.5 34.7 | 45.1 44.1 39.1 | 23.2 22.2 21.5 | 0.7 0.7 0.5 | 78 80 80 | 53.1 53.4 54.1 | 38.4 37.8 34.1 | 1.5 1.5 1.5 | 8 17 3 | 2.18 3.18 2.15 | | | | | | | | | |
| CARLISLE, Spital (Cumberland), ISAAC CARTMEL, Esq., F.R.S. | 114 | Oct. Nov. Dec. | 29.889 29.759 29.707 | 2.042 1.908 1.738 | 68.8 60.7 53.8 | 31.7 25.4 18.0 | 37.7 35.3 34.8 | 37.5 32.6 33.1 | 39.1 37.3 34.8 | 44.1 43.1 38.6 | 23.8 23.1 20.4 | 0.8 0.7 0.5 | 82 86 87 | 54.0 54.4 53.2 | 31.5 31.4 25.6 | 1.1 1.2 1.1 | 9 12 11 | 1.70 3.83 2.45 | | | | | | | | | |
| BYWELL (Northumberland), MR. W. J. TOST, Assistant to W. E. BEAUMONT, Esq., M.P. | 87 | Oct. Nov. Dec. | 29.748 29.478 29.460 | 1.868 1.630 1.460 | 63.0 61.0 52.0 | 28.0 23.0 23.0 | 33.0 30.0 25.4 | 35.8 32.4 22.4 | 39.4 34.4 22.4 | 47.6 45.8 43.6 | 23.6 23.3 20.6 | 0.5 0.5 0.4 | 87 91 90 | 54.3 54.0 53.9 | 32.2 32.6 30.6 | 1.1 1.3 1.3 | 11 8 9 | 3.29 1.62 | | | | | | | | | |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|-----|-----------------------|-----------------------|----------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Number of Days on which it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.705 | 62.0 | 33.5 | 28.5 | 52.9 | 44.7 | 23.9 | 8.3 | 48.3 | 45.0 | 30.1 | 3.4 | 89 | 542 | 83.3 | 39.6 | 1.3 | 4 | 8 | 10 | 9 | 4.8 | 6.0 | 63 | 12.63 | |
| Truro | 29.676 | 65.0 | 23.0 | 42.0 | 55.1 | 41.9 | 34.7 | 13.2 | 48.3 | 43.0 | 28.0 | 3.2 | 82 | 545 | 83.3 | 39.6 | 1.3 | 4 | 8 | 10 | 9 | 4.8 | 6.0 | 63 | 12.63 | |
| Plymouth | 29.758 | 62.6 | 28.7 | 33.9 | 53.5 | 42.6 | 29.7 | 10.9 | 47.8 | 43.7 | 28.7 | 3.3 | 85 | 547 | 83.3 | 39.6 | 1.3 | 4 | 8 | 10 | 9 | 4.8 | 6.0 | 63 | 12.63 | |
| Totnes | 29.707 | 65.3 | 29.0 | 36.3 | 52.6 | 42.2 | 28.3 | 10.4 | 47.3 | 42.5 | 27.4 | 3.1 | 86 | 547 | 83.3 | 39.6 | 1.3 | 4 | 8 | 10 | 9 | 4.8 | 6.0 | 63 | 12.63 | |
| Babbacombe | 29.707 | 65.3 | 29.0 | 36.3 | 52.6 | 42.2 | 28.3 | 10.4 | 47.3 | 42.5 | 27.4 | 3.1 | 86 | 547 | 83.3 | 39.6 | 1.3 | 4 | 8 | 10 | 9 | 4.8 | 6.0 | 63 | 12.63 | |
| Ventnor | 29.791 | 61.9 | 38.9 | 23.0 | 52.6 | 44.0 | 25.5 | 8.6 | 47.4 | 43.7 | 28.7 | 3.2 | 85 | 546 | 80.3 | 34.5 | 0.5 | 1.0 | 5 | 10 | 8 | 7 | 6.8 | 6.6 | 44 | 10.15 |
| Osborne | 29.629 | 65.3 | 28.1 | 37.2 | 51.6 | 41.1 | 30.3 | 10.5 | 46.1 | 41.9 | 27.2 | 3.2 | 84 | 546 | 80.3 | 34.5 | 0.5 | 1.2 | 6 | 4 | 12 | 9 | 5.2 | 4.9 | 9.1 | 8.87 |
| Brighton | 29.760 | 60.5 | 28.6 | 31.9 | 49.0 | 40.9 | 25.9 | 9.1 | 45.4 | 41.0 | 23.8 | 3.0 | 84 | 546 | 81.0 | 37.0 | 1.2 | 1.6 | 6 | 7 | 7 | 11 | 7.0 | 40 | 8.87 | |
| Southbourne | 29.716 | 62.0 | 26.0 | 36.0 | 52.0 | 41.7 | 29.4 | 10.3 | 46.9 | 41.9 | 26.9 | 3.1 | 87 | 540 | 81.0 | 37.0 | 1.6 | 1.6 | 6 | 7 | 7 | 11 | 6.7 | 39 | 9.25 | |
| Salisbury | 29.725 | 63.5 | 19.0 | 44.5 | 52.9 | 35.2 | 41.0 | 17.7 | 44.1 | 40.6 | 23.5 | 2.9 | 84 | 548 | 74.8 | 31.6 | 1.3 | 5 | 6 | 8 | 11 | — | 6.7 | 56 | 9.97 | |
| Barnstaple | 29.672 | 65.0 | 26.5 | 38.5 | 53.8 | 43.1 | 32.5 | 10.6 | 48.2 | 44.0 | 23.0 | 3.3 | 86 | 545 | — | — | 1.2 | 4 | 6 | 11 | 10 | — | 6.9 | 55 | 13.00 | |
| Stratfield Turgiss | 29.741 | 63.2 | 19.8 | 43.4 | 51.0 | 37.1 | 15.4 | 13.9 | 44.4 | 40.8 | 23.7 | 3.0 | 84 | 547 | 77.4 | 31.5 | 1.2 | 4 | 8 | 9 | 10 | 1.4 | 6.1 | 44 | 7.44 | |
| Bath | 29.715 | 63.6 | 25.4 | 34.2 | 49.7 | 38.9 | 28.2 | 10.8 | 43.7 | 40.9 | 23.8 | 3.0 | 84 | 539 | 50.9 | 33.8 | 1.2 | 5 | 9 | 6 | 10 | 9 | 6.5 | 55 | 13.17 | |
| Marlborough | 29.720 | 60.3 | 21.3 | 39.0 | 49.3 | 37.6 | 32.5 | 11.7 | 43.3 | 39.8 | 24.8 | 2.8 | 84 | 548 | 76.9 | 32.0 | 1.0 | 4 | 6 | 11 | 9 | — | 6.5 | 49 | 8.04 | |
| Blackheath | 29.730 | 62.5 | 24.0 | 38.5 | 48.9 | 39.0 | 30.8 | 9.9 | 41.3 | 37.2 | 23.2 | 3.0 | 84 | 548 | 74.7 | 34.3 | 1.1 | 4 | 6 | 9 | 12 | — | 6.7 | 44 | 8.18 | |
| Whitechurch | 29.736 | 62.2 | 22.0 | 40.2 | 49.5 | 39.8 | 34.4 | 12.8 | 43.3 | 40.3 | 23.2 | 2.9 | 84 | 549 | — | — | 1.2 | 4 | 8 | 9 | 8 | — | 6.3 | 49 | 8.05 | |
| Camden Square | 29.733 | 63.4 | 27.3 | 36.1 | 52.9 | 40.7 | 28.9 | 10.8 | 43.7 | 40.9 | 23.8 | 3.0 | 84 | 548 | 68.9 | 34.3 | 1.1 | 5 | 7 | 7 | 11 | — | 6.7 | 48 | 8.77 | |
| Barnet | 29.637 | 63.8 | 20.2 | 43.6 | 49.2 | 36.0 | 35.9 | 13.2 | 43.3 | 39.7 | 24.6 | 2.8 | 84 | 548 | 74.5 | 34.8 | 1.1 | 5 | 7 | 7 | 11 | 0.3 | 6.3 | 46 | 7.99 | |
| Oxford | 29.712 | 63.4 | 21.4 | 42.0 | 50.9 | 39.6 | 32.1 | 11.3 | 44.4 | 41.2 | 26.1 | 3.0 | 84 | 549 | 81.5 | 35.6 | 3.6 | 4 | 7 | 11 | 8 | — | 5.2 | 35 | 7.48 | |
| Gloucester | 29.716 | 63.5 | 20.5 | 43.0 | 51.0 | 38.0 | 33.8 | 12.1 | 44.6 | 41.5 | 23.4 | 3.0 | 84 | 550 | 65.9 | 35.2 | 0.7 | 5 | 6 | 8 | 14 | — | 5.9 | 44 | 7.51 | |
| Royaton | 29.726 | 62.6 | 19.6 | 43.0 | 49.4 | 37.8 | 34.3 | 12.1 | 43.5 | 40.0 | 23.0 | 2.9 | 84 | 549 | — | — | 1.2 | 4 | 6 | 12 | 10 | — | 6.1 | — | 7.46 | |
| Bedford | 29.697 | 64.6 | 21.5 | 43.1 | 50.5 | 38.3 | 35.6 | 12.2 | 44.4 | 40.1 | 23.0 | 2.8 | 85 | 550 | 77.8 | 31.6 | 1.1 | 4 | 6 | 13 | 7 | — | 6.1 | 52 | 7.32 | |
| Cambridge | 29.697 | 64.6 | 21.5 | 43.1 | 50.5 | 38.3 | 35.6 | 12.2 | 44.4 | 40.1 | 23.0 | 2.8 | 85 | 550 | 77.8 | 31.6 | 1.1 | 4 | 6 | 13 | 7 | — | 6.1 | 52 | 7.32 | |
| Rugby | 29.708 | 67.0 | 15.0 | 52.0 | 49.9 | 35.7 | 36.8 | 14.3 | 42.7 | 39.6 | 24.7 | 2.8 | 84 | 549 | — | — | 0.5 | 3 | 7 | 12 | 8 | 6.5 | 6.8 | 46 | 7.66 | |
| Somerleyton | 29.709 | 61.0 | 22.7 | 38.3 | 49.4 | 39.3 | 29.2 | 10.0 | 43.9 | 40.5 | 23.1 | 2.9 | 84 | 548 | — | — | 1.1 | 3 | 5 | 11 | 11 | 6.2 | 6.4 | 60 | 7.76 | |
| Wolverhampton | 29.690 | 61.3 | 20.4 | 40.9 | 48.1 | 36.2 | 31.6 | 11.9 | 41.9 | 39.0 | 23.9 | 2.8 | 83 | 549 | — | — | 1.1 | 3 | 6 | 13 | 8 | — | 7.0 | 44 | 7.92 | |
| Leicester | 29.690 | 62.3 | 21.5 | 40.8 | 49.2 | 38.2 | 31.9 | 10.9 | 43.6 | 39.2 | 24.1 | 2.9 | 85 | 548 | 73.8 | 30.8 | 0.8 | 4 | 5 | 11 | 10 | — | 6.1 | 52 | 7.90 | |
| Nottingham | 29.675 | 64.5 | 21.4 | 43.1 | 49.4 | 37.6 | 33.4 | 11.8 | 43.4 | 40.1 | 23.1 | 2.9 | 85 | 548 | 69.9 | 34.7 | 0.4 | 4 | 6 | 10 | 10 | 1.7 | 6.7 | 65 | 8.31 | |
| Holkham | 29.700 | 61.6 | 19.0 | 41.7 | 49.2 | 35.2 | 34.1 | 14.0 | 42.9 | 38.8 | 23.7 | 2.8 | 85 | 551 | 60.5 | 28.4 | 1.8 | 3 | 5 | 17 | 5 | — | 6.3 | 42 | 7.22 | |
| Llandudno | 29.739 | 62.8 | 20.2 | 32.6 | 51.7 | 42.4 | 27.7 | 9.3 | 47.0 | 41.0 | 25.9 | 3.0 | 87 | 545 | — | — | 1.4 | 2 | 5 | 7 | 17 | — | 6.0 | 47 | 8.03 | |
| Liverpool | 29.646 | 63.1 | 28.2 | 34.9 | 49.8 | 40.4 | 27.1 | 9.4 | 44.6 | 40.2 | 23.1 | 2.9 | 86 | 545 | — | — | 1.4 | 2 | 5 | 9 | 11 | 6 | 6.5 | 48 | 8.26 | |
| Bolton | 29.728 | 60.4 | 24.0 | 36.0 | 47.5 | 37.2 | 27.4 | 10.3 | 42.3 | 39.0 | 23.9 | 2.7 | 86 | 545 | 51.5 | 39.7 | 1.9 | 4 | 6 | 12 | 9 | 2.6 | 7.3 | 51 | 13.78 | |
| Halifax | 29.728 | 60.4 | 24.0 | 36.0 | 47.5 | 37.2 | 27.4 | 10.3 | 42.3 | 39.0 | 23.9 | 2.7 | 86 | 545 | 69.5 | 35.2 | 0.9 | 4 | 7 | 9 | 11 | — | 7.1 | 48 | 8.11 | |
| Hull | 29.675 | 60.0 | 24.0 | 36.0 | 47.5 | 37.2 | 27.4 | 10.3 | 42.3 | 39.0 | 23.9 | 2.7 | 86 | 545 | 59.7 | 39.0 | 1.0 | 6 | 8 | 10 | 10 | — | 5.8 | 51 | 7.53 | |
| Stoysbury | 29.680 | 61.1 | 22.5 | 38.3 | 49.1 | 37.9 | 33.6 | 12.2 | 43.3 | 38.8 | 23.9 | 2.7 | 86 | 544 | 74.4 | 34.7 | 1.6 | 6 | 8 | 8 | 9 | — | 7.4 | 57 | 13.57 | |
| Bradford | 29.664 | 63.4 | 26.0 | 37.4 | 49.0 | 39.5 | 39.0 | 9.6 | 44.1 | 39.4 | 24.3 | 2.8 | 86 | 544 | 55.3 | — | 1.1 | 3 | 7 | 9 | 11 | — | 7.2 | 68 | 11.87 | |
| Leeds | 29.651 | 62.0 | 24.0 | 43.0 | 49.0 | 38.3 | 33.7 | 10.9 | 43.6 | 38.5 | 23.6 | 2.7 | 86 | 545 | 55.3 | — | 1.8 | 4 | 8 | 7 | 11 | — | 6.6 | 53 | 8.10 | |
| Lancaster | 29.639 | 62.0 | 23.0 | 40.0 | 49.2 | 38.3 | 33.7 | 10.9 | 43.6 | 38.5 | 23.6 | 2.7 | 86 | 545 | — | — | 1.8 | 4 | 8 | 7 | 11 | — | 6.6 | 53 | 8.10 | |
| Cockermouth | 29.625 | 66.8 | 18.9 | 46.9 | 49.4 | 38.9 | 37.6 | 10.6 | 44.0 | 40.3 | 23.7 | 2.7 | 87 | 545 | 69.6 | 32.5 | 0.9 | 4 | 7 | 8 | 11 | 1.9 | 6.7 | 51 | 12.33 | |
| Silloth | 29.605 | 65.0 | 20.2 | 44.8 | 48.8 | 38.4 | 35.0 | 10.4 | 43.4 | 39.3 | 23.9 | 2.7 | 86 | 545 | 78.9 | 34.9 | 1.7 | 4 | 9 | 6 | 11 | 9.1 | 5.9 | 45 | 9.46 | |
| Carlisle | 29.610 | 65.8 | 17.7 | 51.1 | 49.7 | 36.9 | 40.4 | 12.8 | 43.2 | 39.2 | 24.1 | 2.8 | 85 | 547 | 65.4 | 30.6 | 1.2 | 1 | 12 | 6 | 11 | 4.1 | 6.9 | 44 | 7.68 | |

The highest temperatures of the air were at Carlisle, 63° 8'; Rugby, 67° 0'; and Cockermouth, 66° 8'.

The lowest temperatures of the air were at Rugby, 15° 0'; Carlisle, 17° 7'; and Salisbury, 19° 0'.

The greatest daily ranges of temperatures were at Salisbury, 17° 7'; Totnes, 14° 4'; and Rugby, 14° 3'.

The least daily ranges of temperatures were at Guernsey, 8° 3'; Ventnor, 8° 6'; and Brighton, 9° 1'.

The greatest number of days of rain were at Bradford, 63; at Nottingham, 65; at Guernsey, 63.

The least number of days of rain were at Gloucester, 35; at Southbourne, 39; at Holkham, 42.

The greatest falls of rain were at Totnes, 18.40 inches; Bolton, 16.32 inches; and Halifax, 13.78 inches.

The least falls of rain in the quarter were at Holkham, 7.22 inches; at Cambridge, 7.32 inches; and Stratfield Turgess, 7.44 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Temper- ature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|--|-------------|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|-----|-----------------------|-----------------------|---------------------------------|-----------------------------|
| | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | Mean Number of Days it fell. | Mean Amount col- lected. |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - - - | 29.705 | 62.0 | 33.5 | 28.5 | 52.9 | 44.7 | 23.9 | 8.3 | 48.3 | 45.0 | 30.1 | 3.4 | 89 | 542 | 83.3 | 39.6 | 1.3 | 4 | 8 | 10 | 9 | 4.8 | 6.0 | 63 | 12.63 | |
| Between the latitudes | 50° and 51° | 29.733 | 63.6 | 29.2 | 35.7 | 52.6 | 41.8 | 30.2 | 10.9 | 47.0 | 42.5 | 28.8 | 3.2 | 82 | 545 | 86.0 | 35.1 | 1.7 | 5 | 7 | 9 | 11 | 5.4 | 6.3 | 48 | 9.57 | |
| | 51° and 52° | 29.714 | 62.3 | 22.5 | 43.1 | 49.7 | 38.3 | 34.2 | 12.3 | 44.4 | 40.9 | 25.9 | 2.9 | 84 | 546 | 73.3 | 33.9 | 1.4 | 4 | 5 | 9 | 11 | 0.9 | 6.3 | 48 | 9.57 | |
| | 52° and 53° | 29.675 | 63.3 | 30.8 | 42.5 | 37.3 | 33.3 | 6.2 | 12.1 | 43.3 | 39.7 | 24.6 | 2.9 | 84 | 546 | 67.3 | 31.4 | 1.0 | 4 | 5 | 12 | 9 | 4.8 | 6.4 | 41 | 7.58 | |
| | 53° and 54° | 29.683 | 61.6 | 25.3 | 37.6 | 49.3 | 38.9 | 29.9 | 10.3 | 44.0 | 39.5 | 24.5 | 2.8 | 85 | 545 | 61.7 | 34.2 | 1.4 | 3 | 7 | 10 | 11 | 2.0 | 6.6 | 54 | 10.57 | |
| | 54° and 55° | 29.619 | 65.9 | 29.0 | 45.7 | 49.3 | 38.1 | 36.9 | 11.2 | 43.6 | 38.9 | 23.9 | 2.8 | 85 | 546 | 71.2 | 32.7 | 1.3 | 3 | 9 | 7 | 11 | 5.0 | 6.5 | 43 | 10.65 | |
| Mean for the Quarter. 50° to 55° | Year 1878 | 29.513 | 70.1 | 12.9 | 57.1 | 46.7 | 35.5 | 33.9 | 11.2 | 40.9 | 36.7 | 22.7 | 2.6 | 85 | 546 | 66.9 | 30.7 | 1.1 | 9 | 5 | 6 | 10 | 3.8 | 9.4 | 49 | 9.57 | |
| | " 1879 | 29.987 | 65.2 | 12.1 | 63.1 | 46.8 | 35.0 | 36.0 | 11.8 | 40.7 | 37.0 | 22.6 | 2.6 | 84 | 556 | 69.4 | 30.5 | 1.0 | 9 | 8 | 6 | 12 | 3.2 | 6.6 | 43 | 9.57 | |
| | " 1880 | 29.686 | 64.5 | 21.3 | 43.3 | 49.3 | 38.0 | 34.1 | 12.4 | 43.9 | 39.1 | 24.1 | 2.8 | 85 | 548 | 62.9 | 33.1 | 1.3 | 7 | 6 | 6 | 12 | 3.4 | 6.6 | 50 | 9.57 | |
| | " 1881 | 29.648 | 63.4 | 22.6 | 40.9 | 50.0 | 33.9 | 32.9 | 11.4 | 44.5 | 40.3 | 23.5 | 2.9 | 85 | 546 | 72.3 | 33.5 | 1.4 | 4 | 7 | 9 | 11 | 3.7 | 6.4 | 50 | 9.96 | |

On the Weather during the Quarter ending March 31st, 1882.

The mean temperature of the air in January was $0^{\circ}6$ higher than in December, in February was $1^{\circ}4$ higher than in January, and in March was $4^{\circ}2$ higher than in February.

(From the preceding 41 years observations the decrease of temperature from December to January is $1^{\circ}6$; the increase of temperature from January to February is $1^{\circ}1$; from February to March is $2^{\circ}3$.)

From December to January from all stations there was an increase of temperature varying from $0^{\circ}3$ at Southern to $3^{\circ}5$ at Northern Stations; from January to February there was an increase at all stations of nearly the same amount viz., 1° , and from February to March there was an increase of from 2° to 3° , at stations south of 54° , and of less than 2° , at extreme northern stations.

The mean reading of the barometer for the month of January at the height of 160 feet above the sea was $30^{\circ}185$ in., being $0^{\circ}419$ in. above the average of 41 years, and $0^{\circ}475$ in. above that of 1881, and $0^{\circ}019$ in. below that of 1880.

Back to 1840 there have only been 6 instances of a mean atmospheric pressure so high as this; viz.,—

| | | | | | |
|------|---------------------|------|---------------------|------|---------------------|
| 1858 | $30^{\circ}171$ in. | 1861 | $30^{\circ}011$ in. | 1876 | $30^{\circ}095$ in. |
| 1859 | $30^{\circ}037$ in. | 1864 | $30^{\circ}044$ in. | 1880 | $30^{\circ}204$ in. |

| Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|----------------------------------|--------------|---------------------------------|------------|---------------------------------|------------------|---------------------------------|-------|---------------------------------|-------|--|--|
| 1882. MONTHS. | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | |
| | Mean. | Diff. from average of 111 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Jan. - | 40.4 | +3.9 | 39.0 | +2.2 | 37.2 | +2.5 | 9.1 | -0.5 | .222 | +0.024 | 2.6 | +0.3 | |
| Feb. - | 41.8 | +3.1 | 40.5 | +2.8 | 38.8 | +3.1 | 11.5 | +0.4 | .238 | +0.031 | 2.8 | +0.5 | |
| Mar. - | 46.0 | +4.9 | 43.5 | +4.2 | 40.7 | +4.6 | 17.5 | +2.9 | .256 | +0.041 | 3.0 | +0.5 | |
| Means - | 42.7 | +4.0 | 41.0 | +3.1 | 38.9 | +3.4 | 12.7 | +0.9 | .239 | +0.032 | 2.8 | +0.4 | |

| 1881. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|--------------------------|---------------------------|--------------|
| | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Mean. | Diff. from average of 40 years. | Amount. | Diff. from average of 66 years. | | Number of Nights it was | | Lowest Reading at Night. | Highest Reading at Night. | |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | | | Above 40°. |
| | | | | | | | | | | | | | | |
| Jan. - | 89 | + 2 | in. | in. | grs. | grs. | in. | in. | Miles. | Sum | Sum | Sum | o | o |
| Feb. - | 90 | + 5 | 30.185 | +0.419 | 559 | + 5 | 1.35 | -0.55 | 265 | 11 | 20 | 0 | 18.3 | 37.4 |
| Mar. - | 83 | + 1 | 30.051 | +0.288 | 555 | + 2 | 1.14 | -0.43 | 292 | 15 | 10 | 3 | 16.3 | 43.5 |
| | | | 29.843 | +0.097 | 547 | - 3 | 1.14 | -0.43 | 349 | 16 | 10 | 5 | 19.0 | 46.6 |
| Means - | 87 | + 3 | 30.026 | +0.261 | 554 | + 1 | Sum 3.63 | Sum -1.41 | 302 | Sum 42 | Sum 40 | Sum 8 | Lowest 16.3 | Highest 46.6 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (−) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follow:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|--------|----------|-------------------------|
| | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 1½ | 1½ | +½ | 3 | 2 | +1 | 3 | 2½ | +½ |
| N. | 0 | 3 | -3 | 1 | 3 | -2 | 1½ | 3½ | -2½ |
| N.E. | 1 | 3½ | -2½ | 1½ | 3½ | -2½ | 0 | 4 | -4 |
| E. | 2½ | 1 | +1½ | 2 | 2½ | -½ | 0 | 2½ | -2½ |
| S.E. | 7 | 2½ | +4½ | 2 | 1½ | +½ | 1 | 2½ | -1½ |
| S. | 2½ | 4½ | -1½ | 4 | 3 | +1 | 2½ | 2½ | -½ |
| S.W. | 12½ | 6½ | +6 | 11 | 8 | +3 | 11½ | 7½ | +4 |
| W. | 3½ | 3½ | +½ | 3½ | 3 | +½ | 11½ | 3½ | +8 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of January are opposite to S.E. and S.W.; in February to S. and S.W.; and in March to W. and S.W.

The minus sign (−) denotes deficiencies below averages. In January the largest numbers are opposite N. and N.E.; in February to N. and N.E.; and in March to N., N.E., and E.

On the Weather during the Quarter ending March 31st, 1882.

The mean reading of the barometer in February was $30^{\circ}051$ in. being $0^{\circ}268$ in. above the average of 41 years, $0^{\circ}390$ in. above that of 1881, and $0^{\circ}417$ in. above that of 1880.

Back to 1840 there have been but 4 instances of readings as high in February, viz.,

| | | | | | | | |
|------|---------------------|------|---------------------|------|---------------------|------|---------------------|
| 1863 | $30^{\circ}141$ in. | 1878 | $30^{\circ}101$ in. | 1849 | $30^{\circ}106$ in. | 1854 | $30^{\circ}041$ in. |
|------|---------------------|------|---------------------|------|---------------------|------|---------------------|

The mean reading of the barometer in March was $29^{\circ}843$ in. being $0^{\circ}097$ in. above the average of 41 years, and $0^{\circ}115$ in. above that of 1881, and $0^{\circ}094$ in. below that of 1880.

Back to 1840, there have been 11 instances of readings in March exceeding $29^{\circ}84$ in., viz.,

| | | | | | | | |
|------|---------------------|------|---------------------|------|---------------------|------|---------------------|
| 1850 | $30^{\circ}039$ in. | 1856 | $30^{\circ}011$ in. | 1874 | $30^{\circ}013$ in. | 1880 | $29^{\circ}937$ in. |
| 1852 | $30^{\circ}007$ in. | 1870 | $29^{\circ}865$ in. | 1875 | $29^{\circ}954$ in. | 1850 | $30^{\circ}039$ in. |
| 1854 | $30^{\circ}186$ in. | 1871 | $29^{\circ}876$ in. | 1878 | $29^{\circ}890$ in. | | |

The mean reading of the barometer for the quarter was $30^{\circ}026$ in.

Back to 1840 the highest mean readings have been in the years—

| | | | | | |
|------|-------------|---------------------|------|-------------|---------------------|
| 1854 | when it was | $29^{\circ}948$ in. | 1874 | when it was | $29^{\circ}919$ in. |
| 1858 | " | $29^{\circ}926$ in. | 1878 | " | $29^{\circ}990$ in. |
| 1859 | " | $29^{\circ}890$ in. | 1880 | " | $29^{\circ}925$ in. |

So that there has been no instance back to 1840, of so high mean readings for the 3 months ending March the nearest approach was in 1878 when it was $29^{\circ}99$.

The atmospheric pressure in January was 364 in. greater than in December, that in February was less than in January by 134 in. and that in March was less than in February by 208 in.

(From the 41 years observations the mean pressure in January is $0^{\circ}29$ in. less than in December; is $0^{\circ}17$ in. greater in February than in January, and $0^{\circ}37$ in. less in March than in February.)

About London the mean daily readings of the barometer were below their averages till the 6th day, on the 3rd day it exceeded $0^{\circ}5$ in.; the lowest reading throughout the month at nearly every station took place on this day. The average daily deficiency of pressure till the 6th was $0^{\circ}23$ in. On the 7th day of January the reading was above its average and continued so till February 24th; with the exception of the 11th and 15th days of February, on which days it was $0^{\circ}07$ in. below its average on both days. The readings in January were very remarkable, the average daily pressure from the 16th to the 19th both inclusive was nearly one inch in excess over the average. On the 18th the reading all over the country was remarkably high, being such that when reduced to the level of the sea, it was about $30^{\circ}95$ in. The average excess of pressure both on the 17th and 18th exceeded one inch, and the average excess daily for the 49 days ending with February 24th was $0^{\circ}51$ in. From February 25th to March 6th, there was a deficiency of pressure of nearly one inch on March 1, and averaging $0^{\circ}55$ in. for the 10 days ending March 6; from March 7 to 19 there was an excess of $0^{\circ}33$ in. daily, and from March 20 to the end of the quarter a deficit of $0^{\circ}1$ in. daily.

Thunderstorm occurred on March 21st at Bolton.

Thunder was heard but lightning was not seen in March; on the 21st at Hull; on the 30th and 31st at Rugby.

Solar halos were seen in January; on the 8th at Bermerside, and on the 28th at Torquay. In February on the 10th and 11th at Torquay, and on the 14th at Cardington. In March on the 6th, 8th, and 20th at Torquay, and on the 18th at Cardington.

Lunar halos were seen on five nights in January, and on seven nights in March.

Aurora borealis was seen in February; on the 16th, 17th, and 20th at Bermerside.

Snow fell on the 1st at Carlisle; on the 7th at Bermerside, and on the 29th at Llandudno, Bermerside, Stonyhurst, and Lancaster.

Hail fell in January on the 1st at Whitechurch; on the 3rd at Guernsey and Truro; on the 6th at Truro and Bolton; on the 7th at Plymouth, Bolton, Bermerside, Stonyhurst, and Carlisle; on the 8th at Torquay; on the 12th, 16th, 17th, 18th, 19th, 20th, 26th at Cardington, and on the 27th at Guernsey and Cardington. In February on the 1st, 2nd, 4th, 5th, 6th, and 7th at Oxford; on the 14th at Bolton and Silloth; on the 15th at Whitechurch and Bolton, and on the 22nd, 24th, and 28th at Oxford. In March on the 1st at Torquay; on the 2nd at Guernsey, Truro, Plymouth, Torquay, Whitechurch, Oxford, Royston, and Cambridge; on the 3rd at Guernsey and Truro; on the 6th at Stonyhurst; on the 8th and 9th at Llandudno; on the 20th at Carlisle; on the 21st at Guernsey, Truro, Plymouth, Torquay, Osborne, Oxford, Royston, Cardington, Lowestoft, Stockton, Llandudno, Hull, Stonyhurst, Lancaster, Silloth, and Carlisle; on the 22nd at Truro, Plymouth, Oxford, Royston, Cardington, Lowestoft, Cambridge, and Hull; on the 23rd at Guernsey; on the 24th at Hull; on the 25th at Stockton; on the 26th at Osborne, Oxford, and Llandudno; on the 29th at Truro; on the 30th at Truro, Cardington, and Stockton, and on the 31st at Torquay and Stockton.

Fog prevailed in January on the 12th at Torquay, Ventnor, Strathfield Turgiss, Whitechurch, Oxford, Cambridge, and Hull; on the 13th at Whitechurch, Lowestoft, and Hull; on the 14th at Cambridge, and Hull; on the 15th at Bolton; on the 16th at Totnes, Oxford, Royston, Cambridge, and Stonyhurst; on the 17th at Guernsey, Strathfield Turgiss, Whitechurch, Oxford, Royston, Somerleyton, Lowestoft, Cambridge, Wolverhampton, Bolton, and Hull; on the 18th at Strathfield Turgiss, Whitechurch, Oxford, Royston, Somerleyton, Lowestoft, Cambridge, Wolverhampton, Bolton, Hull, and Stonyhurst; on the 19th at Torquay, Ventnor, Strathfield Turgiss, Whitechurch, Oxford, Somerleyton, Lowestoft, Cambridge, Bolton, and Stonyhurst; on the 20th at

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31ST, 1882.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1881. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|---|------------------------------------|------------|-------|----------------------------------|----------------|------------------------------|----------------|-------------------|----------------|-----------------|----------------|------------------------------|----------------|-----------------------------------|----|-----------------|----|
| | | Month. | Mean. | Range. | | Range. | | Range. | | Range. | | Range. | | Relative Proportion of Direction. | | Amount of Days. | |
| | | | | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | N. | E. | S. | W. |
| GUERNSEY. | 204 | Jan. | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 10 | 8 | 10 | 10 |
| ADOLPHUS COLLETT, Esq., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| CRUICK (Cornwall). | 43 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| C. BARNHAM, Esq., M.D., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| PLYMOUTH (Devon). | 69 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| J. MERRIFIELD, Esq., LL.D., F.R.A.S., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| TOTNES (Devon). | 107 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| L. H. EDMONDS, Esq. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| TURQUAY, Babacombe (Devon). | 305 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| EDWIN E. GLADSTONE, Esq., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption). | 120 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| HARTLEY SAGAR, Esq. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| EASTBOURNE (Sussex). | 12 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| MISS W. L. HALL. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| OSBORNE (Isle of Wight). | 172 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| J. R. MANN, Esq. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| SOUTHBORNE ON SEA (Hants). | 95 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| T. A. COMPTON, Esq., M.D., B.A., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 183 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| BRIGHTON. | 203 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| F. E. SAWYER, Esq., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |

Meteorological Table, Quarter ending March 31st, 1881.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1882. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|---|------------------------------------|------------|-------|----------------------------------|----------------|------------------------------|----------------|-------------------|----------------|-----------------|----------------|------------------------------|----------------|-----------------------------------|----|-----------------|----|
| | | Month. | Mean. | Range. | | Range. | | Range. | | Range. | | Range. | | Relative Proportion of Direction. | | Amount of Days. | |
| | | | | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | Of all Highest. | Of all Lowest. | N. | E. | S. | W. |
| BARNSTAPLE (Devon). | 43 | Jan. | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 29.78 | 10 | 8 | 10 | 10 |
| WILLIAM KESLIE, Esq. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| STRATFIELD TURGIS (Hants). | 107 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| Rev. C. H. GRIFFITH, M.A., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| BATH (Somerset). | 406 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| College, Downside. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| Rev. T. J. ALMOND, O.S.B., F.M.S. | | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| MARLBOROUGH (Wilt). | 43 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| Rev. THOMAS A. PRESTON, M.A., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| BLACKHEATH (Kent). | 109 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| JAMES GLADSTONE, Esq., F.R.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| WHITCHURCH RECTORY (Oxon). | 120 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| Rev. J. SLATTERY, M.A., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| CAMDEN SQUARE (London). | 123 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| G. J. SYMONS, Esq., F.R.S., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| BARNET (Gas Works). | 212 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| T. H. MARTIN, Esq., C.E. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| OXFORD (The Observatory). | 110 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| E. J. STONE, Esq., M.A., F.R.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| GLoucester County Asylum. | 100 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| E. TOLLER, Esq., M.R.C.S., F.M.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| ROYSTON (Hertfordshire). | 203 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| H. F. MANN, Esq., F.R.A.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| BEDFORD, (Bedfordshire). | 103 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| Mr. J. M. LARSEN, Assistant to Mr. W. H. LARSEN, Esq., M.P. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| CAMBRIDGE (Trinity College). | 40 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| Rev. J. L. GLADSTONE, Esq., M.A., F.R.S. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| RUGBY (Warwickshire). | 289 | Jan. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |
| Rev. W. TUCKWELL. | | Feb. | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 29.79 | 10 | 8 | 10 | 10 |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1881. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Rain. | | | | |
|---|------------------------------------|---|----------------------------------|----------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------------|----------------|-------------------------|-------------------------------------|-------------------------|-----------------------|-------------------|-------------------|------------------------|-------------------|----|
| | | | Month. | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | Daily Range. | Air. | Dew Point. | Elastic Force. | In a cubic foot of Air. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | | | Minimum on Grass. | Relative Proportion of | | |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.M.S. | 89 | Jan. 30-211 Feb. 30-093 Mar. 29-532 | 1-765 1-774 1-770 | 53-0 52-8 52-0 | 23-0 23-2 24-0 | 41-3 42-5 41-3 | 34-7 35-7 37-5 | 9-6 9-5 13-0 | 40-0 37-5 41-1 | 37-5 41-1 41-1 | .225 .223 .223 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-4 0-4 0-4 | 34-5 34-4 34-0 | 56-1 56-1 55-9 | 0-5 0-7 0-7 | 7 8 1 | 18 13 23 | 7-8 6-8 5-3 | |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.M.S. | 50 | Jan. 30-276 Feb. 30-146 Mar. 29-945 | 1-752 1-752 1-712 | 52-8 52-2 52-2 | 31-0 31-0 29-2 | 44-4 46-8 43-3 | 35-7 35-9 33-7 | 8-7 10-9 29-1 | 39-9 40-7 43-3 | 41-1 38-1 42-4 | .223 .220 .220 | 5-0 5-0 5-1 | 94 94 94 | 531 531 531 | 0-4 0-2 0-2 | 34-5 34-4 34-4 | 56-1 56-1 56-1 | 0-5 1-1 1-1 | 3 3 2 | 13 11 7 | 4-6 7-5 6-1 | |
| WOLVERHAMPTON (Staffordshire), W. WATKINS, Esq. | 200 | Jan. 29-772 Feb. 29-674 Mar. 29-438 | 1-744 1-744 1-785 | 52-5 52-5 51-1 | 27-9 28-6 26-3 | 44-4 45-8 45-3 | 33-7 34-1 35-3 | 10-7 9-9 15-1 | 39-1 40-8 42-8 | 37-1 39-2 39-2 | .221 .220 .214 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-2 0-2 0-2 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-5 0-5 0-5 | 5 5 3 | 13 10 14 | 8-3 8-9 7-6 | |
| LEICESTER (Town Museum), W. J. HARRISON, Esq., F.G.S. | 238 | Jan. 30-031 Feb. 29-896 Mar. 29-662 | 1-822 1-831 1-790 | 52-3 52-5 53-6 | 30-0 27-2 27-2 | 40-1 47-8 47-4 | 35-3 37-6 37-6 | 10-3 10-2 11-4 | 39-3 42-8 45-2 | 36-3 40-2 43-7 | .224 .225 .225 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-2 0-3 0-2 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-5 0-7 0-4 | 2 2 0 | 15 13 14 | 7-5 7-0 4-9 | |
| NOTTINGHAM (Notts), Mr. W. HARRISON, Esq., C.E., F.G.S., F.M.S. | 183 | Jan. 30-039 Feb. 29-984 Mar. 29-720 | 1-753 1-753 1-772 | 52-9 52-8 52-8 | 29-3 28-3 25-2 | 40-1 41-7 35-8 | 35-0 37-6 35-3 | 10-3 11-0 13-1 | 39-3 40-2 44-2 | 38-1 38-8 39-0 | .220 .227 .228 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-2 0-2 0-5 | 34-5 34-4 34-4 | 56-1 56-1 56-1 | 0-4 0-3 0-6 | 1 1 2 | 16 13 18 | 8-4 7-9 6-5 | |
| HOLKHAM (Norfolk), JOHN DAVIDSON, Esq., Assistant to the Earl of Leicester. | 39 | Jan. 30-224 Feb. 29-117 Mar. 29-880 | 1-773 1-777 1-776 | 52-2 52-3 52-3 | 32-0 32-0 32-0 | 41-3 42-6 42-6 | 31-9 32-1 33-6 | 12-4 14-4 19-0 | 39-0 39-9 43-5 | 37-6 38-3 39-3 | .220 .222 .212 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-4 0-4 0-8 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 2 2 1 | 18 15 10 | 7-8 7-8 5-9 | |
| LLANDUDNO (Carmarvonshire), JAMES NICOL, Esq., M.D. | 197 | Jan. 30-168 Feb. 30-024 Mar. 29-850 | 1-750 1-750 1-829 | 52-5 52-5 52-5 | 31-0 31-0 27-3 | 40-2 43-4 40-7 | 35-3 37-6 35-3 | 9-8 10-8 14-3 | 44-3 45-8 46-6 | 40-3 40-2 40-4 | .220 .222 .222 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-4 0-4 0-7 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 3 3 3 | 6 15 20 | 6-9 7-8 6-1 | |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 197 | Jan. 30-090 Feb. 29-917 Mar. 29-713 | 1-793 1-855 1-829 | 54-1 55-0 56-8 | 31-0 32-7 33-5 | 41-1 43-4 45-8 | 38-4 40-2 41-1 | 9-6 9-8 9-8 | 44-3 45-8 45-8 | 40-3 40-2 41-1 | .220 .222 .222 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-4 0-4 0-4 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 3 3 3 | 6 15 20 | 6-9 7-8 6-1 | |
| BOLTON, Sharnes (Lancashire), REV. T. MACGREGOR, F.R.A.S., F.M.S. | 500 | Jan. 29-691 Feb. 29-384 Mar. 29-369 | 1-801 1-804 1-829 | 51-6 53-8 54-3 | 30-0 28-0 27-0 | 40-1 43-7 40-3 | 33-5 37-2 37-2 | 8-2 8-5 11-9 | 39-9 41-3 38-8 | 37-2 37-2 38-8 | .222 .223 .223 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-2 0-2 0-2 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 4 4 4 | 13 15 13 | 2-6 3-2 3-5 | |
| HALIFAX, Barmerside Observatory (Yorkshire), E. J. CROSSLEY, Esq., F.R.A.S. | 520 | Jan. 29-717 Feb. 29-581 Mar. 29-368 | 1-790 1-798 1-801 | 52-4 52-5 52-0 | 29-0 28-0 31-5 | 40-4 43-6 40-7 | 35-8 38-5 37-0 | 7-5 10-1 12-0 | 39-3 41-1 43-0 | 37-6 37-9 38-8 | .226 .226 .225 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-2 0-2 0-5 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 4 4 3 | 14 12 12 | 0-4 0-6 0-6 | |
| HULL (Yorkshire), The People's Park, MR. E. PEARCE. | 12 | Jan. 29-271 Feb. 30-124 Mar. 29-869 | 1-768 1-820 1-829 | 52-0 54-0 52-0 | 29-0 27-0 28-0 | 40-1 42-6 44-3 | 37-6 38-4 39-1 | 8-9 9-8 10-9 | 40-3 41-7 43-7 | 38-2 37-1 37-6 | .225 .225 .225 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-2 0-2 0-2 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 7 7 7 | 21 20 20 | 4-6 5-2 5-3 | |
| STONYHURST (Lancashire), REV. S. J. PEARCE, F.R.S., F.M.S., F.R.A.S. | 323 | Jan. 29-878 Feb. 29-732 Mar. 29-508 | 1-590 1-824 1-779 | 52-0 53-0 50-0 | 33-5 29-6 29-1 | 40-6 47-4 39-9 | 37-8 38-9 38-5 | 8-4 9-4 12-4 | 40-2 42-6 43-6 | 37-5 37-6 39-2 | .228 .228 .226 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-3 0-3 0-5 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 2 2 2 | 14 14 14 | 8-0 7-9 6-8 | |
| BRADFORD (Yorkshire), J. MCLEOD, Esq., C.E., F.G.S. | 305 | Jan. 29-848 Feb. 29-738 Mar. 29-478 | 1-806 1-768 1-768 | 52-0 51-8 51-8 | 33-0 27-6 29-1 | 40-6 47-4 39-9 | 37-8 38-9 38-5 | 7-7 8-3 11-5 | 41-0 43-0 44-3 | 37-4 39-5 42-2 | .226 .226 .226 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-5 0-5 0-5 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 5 5 2 | 10 11 11 | 7-5 7-7 6-4 | |
| LEEDS (Yorkshire), The Philosophical Hall, HENRY CROWTHER, Esq. | 137 | Jan. 30-108 Feb. 29-753 Mar. 29-753 | 1-800 1-768 1-775 | 52-0 51-8 51-8 | 33-0 27-6 29-1 | 40-6 47-4 39-9 | 37-8 38-9 38-5 | 7-7 8-3 11-5 | 41-0 43-0 44-3 | 37-4 39-5 42-2 | .226 .226 .226 | 5-0 5-0 5-0 | 94 94 94 | 531 531 531 | 0-5 0-5 0-5 | 34-5 34-5 34-5 | 56-1 56-1 56-1 | 0-4 0-7 0-7 | 4 4 2 | 8 7 6 | 7-1 7-3 6-1 | |

| NAMES of STATIONS and OBSERVERS. | Height of Station above Sea Level. | Months. | Year 1882. | | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days in fall. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------------------|---------|------------|-------|----------------------------------|--------|----------|------------------------------|--------|-----------|-------------------|------|------------|----------------|-------------------------|------------------------------|-------------------------|-------------------|------------------------|----|-----------------------|-----------------------|-------------------------|-------|----|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Month. | Day. | Mean. | Range. | Highest. | Lowest. | Range. | Mean | | Air. | Dew Point. | Elastic Force. | In a cubic foot of Air. | | Maximum in Rays of Sun. | Minimum on Grass. | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | All High. | All Low. | | | | Short of Saturation. | Mean. | | | N. | E. | | | | | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Estimated Strength. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LANCASTER (Southfields), WILLIAM ROYCE, Esq. | { 114 | Jan. | 30-113 | 1-578 | in. | 50-0 | 23-0 | 27-0 | 45-4 | 37-2 | 8-2 | 41-6 | 37-3 | .223 | 2-5 | 0-5 | 86 | 537 | grs. | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Second rain-gauges are placed—

At Deasby Head, at the height of 515 feet above the sea; the amount collected was 0.92 inches.

Jan. 0.92 " "

Feb. 1.41 " "

Mar. 1.41 " "

0.92 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

1.41 " "

Fog, continued from page 67.

Somerleyton, Lowestoft, and Cambridge; on the 21st at Cambridge and Hull; on the 22nd at Oxford, Somerleyton, Cambridge, and Bolton; on the 23rd at Whitechurch, Oxford, Somerleyton, Cambridge, and Bolton; on the 24th at Whitechurch, Oxford, Cambridge, and Bolton; on the 25th at Ventnor, Whitechurch, Oxford, Cambridge, and Bolton; on the 26th at Guernsey, Cambridge, and Bolton; on the 27th at Guernsey, Whitechurch, Oxford, Somerleyton, Cambridge, and Bolton; on the 28th at Guernsey, Whitechurch, Oxford, Somerleyton, Cambridge, and Bolton; on the 29th at Guernsey, Whitechurch, Oxford, Somerleyton, Cambridge, and Bolton; on the 30th at Guernsey, Whitechurch, Oxford, Somerleyton, Cambridge, and Bolton; on the 31st at Guernsey, Whitechurch, Oxford, Somerleyton, Cambridge, and Bolton.

In March, on the 3rd at Bolton; on the 4th at Whitechurch, Oxford, Cardington, Stockton, Cambridge, Stonyhurst; on the 10th at Bolton; on the 11th at Torquay and Stonyhurst; on the 12th at Whitechurch, Oxford, Stockton, Cambridge, and Stonyhurst; on the 13th at Oxford and Cambridge; on the 14th at Torquay, Oxford, Cambridge; on the 15th at Bolton; on the 16th at Whitechurch, Oxford, Cambridge, and Bolton; on the 17th at Oxford, Lowestoft, Stockton, Cambridge, Bolton, and Stonyhurst; on the 18th at Truro, Oxford, Somerleyton, Lowestoft, and Cambridge, and on the 19th at Guernsey, Whitechurch, Oxford, and Cambridge.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Number of Days on which it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | 29.922 | 59.3 | 30.5 | 28.8 | 40.3 | 24.9 | 8.5 | 44.3 | 41.6 | 28.4 | 3.0 | 0.3 | 91 | 551 | 81.7 | 35.8 | 0.9 | 5 | 8 | 7 | 10 | 4.7 | 6.6 | 50 | 6.45 |
| Furro | 29.940 | 62.0 | 25.0 | 37.6 | 32.8 | 40.8 | 30.7 | 12.0 | 46.0 | 42.1 | 3.1 | 0.5 | 87 | 552 | — | — | — | — | — | — | — | — | 7.4 | 44 | 7.08 |
| Plymouth | 29.978 | 57.8 | 29.0 | 28.8 | 51.0 | 40.1 | 24.9 | 10.9 | 45.3 | 42.4 | 2.7 | 0.3 | 90 | 553 | — | — | — | — | — | — | — | — | 7.1 | 44 | 5.05 |
| Totnes | 30.025 | 62.6 | 23.0 | 39.6 | 51.7 | 38.6 | 32.7 | 13.1 | 44.9 | 40.8 | 2.5 | 0.5 | 83 | 554 | 87.8 | 34.2 | 2.2 | 4 | 5 | 8 | 13 | — | 7.0 | 48 | 7.87 |
| Torquay | 29.964 | 63.5 | 27.2 | 36.3 | 50.6 | 39.5 | 28.8 | 11.1 | 43.9 | 40.7 | 2.5 | 0.6 | 85 | 549 | 87.9 | 33.1 | 1.5 | 4 | 6 | 9 | 11 | 4.9 | 7.2 | 42 | 5.19 |
| Ventnor | 30.040 | 58.8 | 29.4 | 30.4 | 49.8 | 40.6 | 23.8 | 9.2 | 44.7 | 41.0 | 2.5 | 0.4 | 90 | 553 | — | — | — | — | — | — | — | — | 6.5 | 32 | 3.64 |
| Osborne | 29.964 | 63.2 | 27.7 | 35.4 | 49.9 | 37.9 | 28.0 | 12.0 | 43.4 | 41.1 | 2.5 | 0.4 | 93 | 552 | 76.6 | 35.6 | 0.2 | 5 | 6 | 9 | 10 | — | 6.4 | 25 | 3.67 |
| Southbourne | 30.008 | 56.2 | 28.8 | 29.4 | 48.9 | 38.7 | 23.8 | 10.9 | 43.6 | 39.6 | 2.4 | 0.4 | 84 | 555 | — | — | — | — | — | — | — | — | 6.5 | 29 | 2.96 |
| Salisbury | 29.974 | 60.0 | 30.0 | 45.0 | 51.3 | 33.4 | 40.0 | 17.9 | 43.5 | 39.1 | 2.4 | 0.4 | 89 | 554 | 78.2 | 30.0 | 1.3 | 7 | 4 | 7 | 12 | — | 7.2 | 43 | 5.01 |
| Brighton | 30.011 | 57.2 | 24.5 | 32.7 | 47.7 | 37.5 | 25.1 | 10.3 | 42.8 | 38.2 | 2.3 | 0.7 | 87 | 553 | — | — | — | — | — | — | — | — | 7.5 | 30 | 3.70 |
| Barnstaple | 29.921 | 57.0 | 28.0 | 39.0 | 51.6 | 40.9 | 30.1 | 10.7 | 45.9 | 42.2 | 2.7 | 0.4 | 90 | 552 | — | — | — | — | — | — | — | — | 5.2 | 45 | 6.99 |
| Bath | 29.939 | 63.4 | 29.3 | 34.1 | 47.7 | 36.5 | 25.8 | 11.3 | 41.8 | 39.0 | 2.3 | 0.4 | 90 | 546 | 79.8 | 33.6 | 1.3 | 4 | 4 | 11 | 11 | — | 6.9 | 42 | 8.70 |
| Stratfield Turgis | 29.963 | 64.2 | 21.8 | 42.4 | 49.8 | 36.6 | 30.1 | 13.1 | 42.8 | 39.1 | 2.3 | 0.4 | 88 | 553 | 79.2 | 32.7 | 1.0 | 4 | 3 | 9 | 15 | 1.5 | 6.9 | 33 | 3.89 |
| Marlborough | 29.950 | 64.1 | 24.4 | 39.7 | 48.3 | 35.7 | 31.5 | 12.6 | 41.7 | 38.7 | 2.3 | 0.4 | 89 | 549 | 78.7 | 30.9 | 0.8 | 3 | 4 | 12 | 11 | — | 7.1 | 35 | 5.88 |
| Whitchurch | 29.967 | 61.7 | 24.0 | 37.7 | 48.7 | 35.5 | 32.4 | 13.2 | 42.1 | 39.4 | 2.4 | 0.3 | 90 | 550 | — | — | — | — | — | — | — | — | 6.3 | 25 | 8.68 |
| Blackheath | 29.968 | 65.0 | 26.0 | 39.0 | 48.4 | 37.4 | 29.1 | 1.0 | 43.0 | 38.4 | 2.3 | 0.7 | 84 | 553 | 73.6 | 33.1 | 1.0 | — | — | — | — | — | 6.6 | 36 | 3.95 |
| Camden Square | 29.963 | 63.9 | 24.6 | 39.3 | 49.7 | 36.8 | 31.0 | 12.9 | 43.1 | 39.0 | 2.3 | 0.5 | 86 | 554 | 69.2 | 32.9 | — | — | — | — | — | — | 6.9 | 26 | 3.95 |
| Barnet | 29.968 | 64.6 | 18.0 | 46.6 | 48.9 | 34.4 | 37.2 | 14.4 | 41.6 | 38.2 | 2.3 | 0.4 | 88 | 554 | 75.2 | 31.7 | — | — | — | — | — | — | 7.4 | 28 | 3.56 |
| Oxford | 29.945 | 64.2 | 24.2 | 40.0 | 49.6 | 38.0 | 32.0 | 11.6 | 42.9 | 39.7 | 2.4 | 0.4 | 88 | 553 | 80.7 | 34.3 | 2.9 | — | — | — | — | — | 7.1 | 35 | 5.79 |
| Gloucester | 29.933 | 63.0 | 25.0 | 38.0 | 49.8 | 36.6 | 30.2 | 13.8 | 42.8 | 38.7 | 2.3 | 0.5 | 86 | 554 | 69.0 | 33.1 | 1.1 | 3 | 2 | 3 | 22 | 0.6 | 4.3 | 24 | 3.71 |
| Royston | 29.952 | 64.2 | 23.7 | 40.8 | 48.7 | 36.2 | 49.8 | 12.6 | 42.4 | 38.5 | 2.3 | 0.4 | 87 | 551 | — | — | — | — | — | — | — | — | 6.6 | 30 | 4.17 |
| Bedford | 29.918 | 61.6 | 22.6 | 39.0 | 49.1 | 35.5 | 31.7 | 13.6 | 42.2 | 39.0 | 2.3 | 0.4 | 89 | 554 | 60.1 | 30.6 | 1.7 | 3 | 2 | 8 | 17 | — | 7.1 | 28 | 4.25 |
| Cambridge | 29.920 | 66.1 | 20.9 | 45.9 | 50.4 | 36.9 | 34.5 | 13.4 | 43.3 | 38.9 | 2.3 | 0.5 | 86 | 556 | 81.8 | 32.8 | 1.1 | 4 | 3 | 16 | 10 | — | 6.6 | 43 | 4.28 |
| Rugby | 29.950 | 65.0 | 24.0 | 35.0 | 49.3 | 33.9 | 30.8 | 15.4 | 41.6 | 39.8 | 2.4 | 0.4 | 91 | 556 | 72.6 | 34.5 | 0.6 | 3 | 3 | 18 | 9 | 6.2 | 7.2 | 27 | 4.12 |
| Lowestoft | 29.920 | 62.0 | 28.0 | 34.0 | 47.7 | 36.3 | 23.9 | 11.4 | 41.9 | 38.7 | 2.3 | 0.4 | 91 | 556 | 72.6 | 34.5 | 0.6 | 3 | 3 | 18 | 9 | 6.2 | 7.2 | 27 | 4.12 |
| Somerleyton | 29.922 | 62.7 | 20.2 | 30.6 | 45.3 | 35.1 | 30.1 | 13.2 | 41.3 | 39.4 | 2.4 | 0.2 | 93 | 557 | — | — | — | — | — | — | — | — | 6.6 | 31 | 4.76 |
| Wolverhampton | 29.950 | 61.2 | 25.2 | 35.7 | 47.2 | 35.0 | 29.6 | 12.2 | 40.2 | 38.5 | 2.3 | 0.7 | 91 | 548 | — | — | — | — | — | — | — | — | 8.3 | 35 | 6.81 |
| Leicester | 29.963 | 63.6 | 27.0 | 36.6 | 49.0 | 36.9 | 28.1 | 12.6 | 43.0 | 38.5 | 2.3 | 0.7 | 93 | 548 | 75.4 | 32.0 | 0.8 | 2 | 1 | 13 | 13 | — | 6.5 | — | 4.94 |
| Nottingham | 29.950 | 63.6 | 25.2 | 38.4 | 48.8 | 33.8 | 32.1 | 13.1 | 42.0 | 38.6 | 2.3 | 0.7 | 93 | 548 | 67.2 | 33.1 | 0.4 | 2 | 1 | 16 | 16 | — | 1.9 | — | 4.94 |
| Holkham | 29.909 | 60.3 | 17.3 | 43.0 | 47.8 | 32.5 | 34.3 | 15.3 | 40.8 | 35.1 | 2.2 | 0.6 | 86 | 557 | 66.4 | 26.2 | 1.7 | 1 | 2 | 18 | 9 | — | 6.0 | — | 4.64 |
| Llandudno | 29.940 | 59.5 | 31.8 | 24.6 | 49.8 | 40.6 | — | 9.2 | 45.2 | 40.2 | 2.0 | 0.6 | 83 | 550 | — | — | — | — | — | — | — | — | 7.0 | 47 | 7.47 |
| Liverpool | 29.857 | 58.8 | 28.7 | 28.1 | 43.2 | 40.0 | 23.9 | 8.2 | 43.8 | 40.0 | 2.4 | 0.5 | 87 | 556 | — | — | — | — | — | — | — | — | 7.7 | 38 | 5.74 |
| Bolton | 29.876 | 58.4 | 27.9 | 30.6 | 46.2 | 36.7 | 23.0 | 9.5 | 41.3 | 37.9 | 2.3 | 0.4 | 88 | 547 | 50.5 | 30.2 | 1.9 | 2 | 4 | 12 | 12 | 3.1 | 8.2 | 33 | 11.93 |
| Halifax | 29.902 | 60.0 | 29.0 | 34.0 | 46.3 | 36.4 | 27.8 | 9.9 | 41.1 | 38.1 | 2.3 | 0.4 | 89 | 547 | 64.6 | 33.5 | 0.1 | 2 | 3 | 11 | 14 | — | 7.6 | 47 | 10.15 |
| Stonyhurst | 29.874 | 62.2 | 27.0 | 35.7 | 47.6 | 35.7 | 23.0 | 11.9 | 42.4 | 36.6 | 2.1 | 0.7 | 80 | 556 | 61.6 | 32.7 | 1.4 | 2 | 3 | 10 | 15 | 0.5 | 5.8 | 53 | 5.36 |
| Bradford | 29.876 | 59.0 | 28.6 | 33.2 | 48.0 | 37.8 | 25.6 | 10.2 | 42.1 | 38.5 | 2.3 | 0.7 | 84 | 548 | 72.6 | 34.8 | — | — | — | — | — | — | 8.8 | 58 | 12.83 |
| Leeds | 29.858 | 59.8 | 27.6 | 32.2 | 48.1 | 38.9 | 24.2 | 9.2 | 43.2 | 38.7 | 2.3 | 0.7 | 85 | 547 | 57.8 | — | — | — | — | — | — | — | 7.2 | 45 | 8.96 |
| Lancaster | 29.853 | 65.0 | 27.0 | 38.0 | 49.3 | 39.6 | 30.3 | 9.7 | 44.6 | 39.0 | 2.6 | 0.7 | 81 | 551 | 56.4 | — | — | — | — | — | — | — | 6.8 | 34 | 5.91 |
| Cockermouth | 29.862 | 55.0 | 23.0 | 32.0 | 46.9 | 38.3 | 25.3 | 8.6 | 42.6 | 38.3 | 2.3 | 0.6 | 86 | 553 | — | — | — | — | — | — | — | — | 6.6 | — | 4.63 |
| Silloth | 29.809 | 60.1 | 27.3 | 33.1 | 47.9 | 39.4 | 24.1 | 8.5 | 43.6 | 39.8 | 2.4 | 0.4 | 87 | 551 | 72.1 | 33.5 | 0.7 | 2 | 3 | 10 | 15 | — | 5.2 | 81 | 12.13 |
| Carlisle | 29.790 | 56.4 | 27.1 | 29.3 | 47.4 | 39.3 | 23.9 | 7.9 | 43.2 | 39.1 | 2.3 | 0.4 | 87 | 551 | 75.5 | 36.7 | 1.6 | 2 | 4 | 9 | 15 | 8.4 | 71 | 4.45 | |
| Carlisle | 29.792 | 57.5 | 25.7 | 31.8 | 48.7 | 37.3 | 27.0 | 11.3 | 43.0 | 39.1 | 2.3 | 0.5 | 86 | 551 | 64.3 | 30.8 | 1.4 | 1 | 9 | 7 | 14 | 4.6 | 8.3 | 47 | 6.00 |

The highest temperatures of the air were at Barnstaple, 67°; Bedford, 66°8; Salisbury, 66°; and Blackheath, Leeds, and Lancaster, 65°.

The lowest temperatures of the air were at Holkham, 17°3; Barnet, 18°; Salisbury, 20°; and Cambridge, 20°9.

The greatest daily ranges of temperatures were at Rugby, 15°4; Holkham, 15°3; Barnet, 14°5; and Gloucester, 13°8.

The least daily ranges of temperatures were at Silloth, 7°9; Liverpool, 8°2; Guernsey and Cockermouth, 8°5; and Lancaster, 8°6.

The greatest number of days of rain were at Nottingham, Stonyhurst, and Cockermouth, 58; Lancaster, 56; and Bolton, 53.

The least number of days of rain were at Gloucester, 24; Osborne and Blackheath, 25; and Camden Square, 26.

The greatest falls of rain were at Stonyhurst, 12.83 inches; Cockermouth, 12.13 inches; Bolton, 11.93 inches; and Halifax, 10.15 inches.

The least falls of rain were at Southbourne, 2.96 inches; Barnet, 3.56 inches; Ventnor, 3.64 inches; and Osborne, 3.67 inches.

QUARTERLY METEOROLOGICAL TABLE FOR DIFFERENT PARALLELS OF LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean Highest Reading of the Thermometer. | Mean Lowest Reading of the Thermometer. | Mean Range of Temper- ature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | |
|--|---|--|---|--|-------------------------|------------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|-----|----|-----|-----------------------|-----------------------|---------------------------------|-----------------------------|------|------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | Mean Number of Days it fell. | Mean Amount col- lected. | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | |
| Guernsey | 29.922 | 59.3 | 30.5 | 28.8 | 40.3 | 24.9 | 8.5 | 44.3 | 41.6 | 28.4 | 3.0 | 0.3 | 91 | 551 | 81.7 | 35.8 | 0.9 | 5 | 8 | 7 | 10 | 4.7 | 6.6 | 50 | 6.45 | | | |
| Between the latitudes | 50° and 51° | 29.968 | 60.7 | 26.9 | 33.8 | 48.9 | 40.3 | 24.9 | 8.5 | 44.3 | 41.6 | 2.8 | 0.3 | 91 | 551 | 81.7 | 35.8 | 0.9 | 5 | 8 | 7 | 10 | 4.7 | 6.6 | 50 | 6.45 | | |
| | 51° and 52° | 29.958 | 64.4 | 23.6 | 40.8 | 49.6 | 36.4 | 23.3 | 13.4 | 41.8 | 38.5 | 2.6 | 0.4 | 89 | 558 | 74.4 | 33.9 | 1.4 | 5 | 6 | 8 | 11 | 5.7 | 6.9 | 58 | 5.95 | | |
| | 52° and 53° | 29.913 | 62.4 | 23.7 | 38.7 | 48.6 | 33.2 | 25.4 | 13.1 | 44.9 | 40.8 | 2.5 | 0.5 | 83 | 554 | 79.4 | 32.9 | 1.7 | 4 | 5 | 8 | 12 | 13 | 4.7 | 6.1 | 46 | 6.00 | |
| | 53° and 54° | 29.880 | 60.1 | 27.3 | 33.1 | 47.9 | 39.4 | 24.1 | 8.5 | 43.6 | 39.8 | 2.3 | 0.4 | 87 | 551 | 69.7 | 30.8 | 1.3 | 2 | 3 | 10 | 15 | 1.8 | 7.4 | 48 | 8.00 | | |
| 54° and 55° | 29.797 | 56.5 | 29.7 | 29.8 | 48.0 | 38.7 | 28.3 | 9.2 | 43.0 | 39.1 | 2.3 | 0.5 | 86 | 551 | 64.3 | 30.8 | 1.4 | 2 | 5 | 9 | 15 | 5.1 | 5.7 | 53 | 6.35 | | | |
| Mean for the Quarter, 50° to 55° | Year 1879 | 29.648 | 58.9 | 16.4 | 42.5 | 42.3 | 31.6 | 31.8 | 10.7 | 38.6 | 35.3 | 1.92 | 2.3 | 0.3 | 87 | 554 | 62.4 | 27.6 | 1.1 | 7 | 10 | 6 | 7 | 4.2 | 7.2 | 47 | 7.39 | |
| | " 1880 | 29.837 | 60.6 | 17.4 | 43.0 | 46.6 | 34.6 | 31.7 | 12.0 | 40.4 | 36.4 | 2.1 | 2.8 | 0.4 | 86 | 553 | 70.9 | 29.8 | 1.2 | 4 | 10 | 8 | 8 | 4.1 | 6.4 | 35 | 5.15 | |
| | " 1881 | 29.937 | 58.6 | 18.3 | 43.8 | 51.4 | 42.4 | 30.7 | 8.35 | 0.1 | 36.1 | 33.7 | 1.90 | 2.2 | 0.3 | 87 | 554 | 66.8 | 26.6 | 1.2 | 4 | 9 | 5 | 9 | — | 6.9 | 40 | 7.65 |
| | " 1882 | 29.907 | 60.6 | 23.6 | 33.0 | 48.9 | 37.6 | 29.7 | 11.3 | 45.1 | 39.4 | 2.43 | 2.8 | 0.4 | 87 | 554 | 71.9 | 32.7 | 1.2 | 3 | 4 | 10 | 14 | 3.6 | 7.1 | 41 | 6.55 | |

The mean temperature of the air in April was $1^{\circ}9$ higher than in March, in May was $6^{\circ}6$ higher than in April, and in June was $2^{\circ}0$ higher than in May.

(From the preceding 41 years observations the increase of temperature from March to April is $5^{\circ}3$, from April to May is $5^{\circ}6$, and from May to June is $6^{\circ}2$).

From March to April from all stations there was an increase of temperature; of $1^{\circ}5$ at station South of latitude 51° , of $1^{\circ}9$ at stations between latitude 51° and 53° and gradually decreasing from $1^{\circ}9$ at latitude 53° to $0^{\circ}2$ at extreme northern stations; from April to May there was an increase at all stations of nearly the same amount, the mean value was $5^{\circ}7$, and the mean increase from May to June was $2^{\circ}2$, being of nearly this value at all stations.

| Temperature of | | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--------------|---|------------|---|----------------------|---|-------|---|-------|---|--------------------------|--|--|--|
| 1882. MONTHS. | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | | |
| | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | | | | |
| | ° | | ° | | ° | | ° | | ° | | ° | | | | | |
| April - | 47.9 | +1.8 | 45.3 | +1.4 | 42.4 | +1.9 | 17.8 | -0.6 | 27.1 | +0.018 | 3.1 | +0.2 | | | | |
| May - | 54.5 | +2.0 | 50.5 | +1.7 | 48.6 | +1.6 | 22.0 | +1.6 | 31.8 | +0.020 | 3.6 | +0.1 | | | | |
| June - | 56.5 | -1.7 | 53.3 | -1.2 | 50.4 | -0.2 | 17.4 | -3.7 | 36.6 | +0.004 | 4.1 | 0.0 | | | | |
| Means - | 53.0 | +0.7 | 49.7 | +0.6 | 46.5 | +1.1 | 19.1 | -0.9 | 31.8 | +0.014 | 3.6 | +0.1 | | | | |

| 1882. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---|-----------------------|---|--------------------------------|---|-------------|---|---------------------------------------|----------------------------------|---------------------------|------------|---|--|
| | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Amount. | Diff. from ave- rage of 66 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| April - | 83 | + 5 | in. 29.602 | -0.152 | grs. 540 | - 3 | 2.40 | +0.65 | 354 | 11 | 16 | 3 | 24.1 | 41.5 |
| May - | 75 | 0 | 29.875 | +0.086 | 538 | - 3 | 1.87 | -0.71 | 267 | 7 | 12 | 12 | 23.7 | 47.2 |
| June - | 80 | + 6 | 29.735 | -0.071 | 533 | + 1 | 2.36 | +0.86 | 325 | 0 | 5 | 25 | 33.0 | 53.2 |
| Means - | 79 | + 4 | 29.737 | -0.046 | 537 | - 2 | Sum 6.13 | Sum +0.80 | Mean 315 | Sum 18 | Sum 33 | Sum 40 | Lowest 23.7 | Highest 53.2 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follow:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|-----------------------|--------|----------|-------------------------------|-------|----------|-------------------------------|-------|----------|-------------------------------|
| | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. |
| N.W. | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N. | 1 | 2½ | -1½ | 2½ | 1½ | +1 | 3½ | 2½ | +1½ |
| N.E. | 4 | 4½ | -½ | 2½ | 4½ | -2½ | 3½ | 3½ | 0 |
| E. | 5 | 6½ | -1½ | 7½ | 7½ | 0 | 3½ | 3½ | 0 |
| S.E. | 3 | 3½ | -½ | 2 | 2½ | -½ | 2½ | 2½ | 0 |
| S. | 2½ | 2½ | 0 | 3 | 1½ | +1½ | 1½ | 1½ | 0 |
| S.W. | 3 | 2½ | +½ | 5½ | 2½ | +3 | 3½ | 2½ | +1½ |
| W. | 10 | 6½ | +3½ | 5½ | 8 | -2½ | 10½ | 10 | +½ |
| | 5 | 2½ | +2½ | 2½ | 2½ | +½ | 7½ | 4 | +3½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of April are opposite to S.W. and W.; in May to S. and S.E.; and in June to W. and S.

The minus sign (-) denotes deficiencies below averages. In April the largest numbers are opposite N. and N.W.; in May to S.W. and N.; and in June to N.E. and N.

About London the mean daily readings of the barometer were below their averages till the 2nd day. The average daily deficiency of the two days was 0.07 in. On the 3rd of April the reading was above its average and continued so till the 10th, the average daily excess was 0.25 in. From the 11th till the 18th there was a deficiency of pressure (exceeding six tenths of an inch on the 13th and 14th), and for those eight days averaging 0.32 in. daily. From the 19th till the 21st the average excess daily was 0.17 in. From April 22nd till May 5th the average daily deficiency was 0.34 in. From May 6th till the 19th the average daily excess for these 14 days was 0.33 in. From the 20th to 26th the daily deficiency was 0.21 in. From May 27th to June 2nd the average

excess daily was 0.26 in. From the 3rd to the 14th the average deficiency daily was 0.19 in. From the 15th to the 17th the average excess daily was 0.12 in. From the 18th to 24th the average daily deficiency was 0.13 in., and from the 25th till the end of the month there was an average excess daily of 0.11 in.

The mean reading of the barometer for the month of April at the height of 159 feet above the sea was 29.602 in., being 0.152 in. below the average of 41 years, and 0.17 in. below that of 1881; and 0.099 in. below that of 1880.

The mean reading of the barometer in May was 29.875 in. being 0.086 in. above the average of 41 years, and 0.054 in. below that of 1881, and 0.035 in. below that of 1880.

The mean reading of the barometer in June was 29.735 in. being 0.071 in. below the average of 41 years, 0.071 in. below that of 1881, and 0.002 in. above that of 1880.

The atmospheric pressure in April was 0.241 in. below that in March, that in May was 0.273 in. above that in April, and that in June was 0.140 in. below that in May.

(From the 41 years observations the mean pressure in April is 0.008 in. greater than in March; in May is 0.035 in. greater in April and in June is 0.017 in. greater than in May).

From March to April there was a decrease of atmospheric pressure, at stations south of latitude 51° , of 0.30 in.; between the latitudes of 51° and 52° of 0.26 in.; between 52° and 53° of 0.20 in.; between 53° and 54° of 0.18 in., and north of latitude 54° of 0.09 in.

From April to May there was an increase everywhere and of nearly the same amount, viz., 0.28 in. From May to June there was a decrease 0.09 in. at stations south of 51° gradually increasing, going northward to 0.20 in. at stations north of 54° .

Thunderstorm occurred in April on the 2nd at Guernsey; on the 13th at Liverpool; on the 24th at Royston, Somerleyton, and Leicester; on the 28th at Bolton and Bradford; and on the 30th at Llandudno and Stonyhurst. In May on the 1st at Bolton, Bernerside, Stonyhurst, and Bradford; on the 3rd at Guernsey, Somerleyton, Rugby, Wolverhampton, Bolton, Bernerside, Hull, Stonyhurst, and Bradford; on the 4th at Rugby; on the 7th at Cambridge and Leicester; on the 8th at Wolverhampton; on the 22nd at Barnet, Rugby, Wolverhampton, and Liverpool; on the 23rd at Oxford, Stockton, Cambridge, Leicester, Liverpool, Bolton, and Llandudno; and on the 26th at Halifax, Bradford, and Hull. In June on the 4th and 6th at Stonyhurst; on the 7th and 8th at Cambridge; on the 9th at Osborne and Cambridge; on the 10th at Barnet; on the 12th at Salisbury; on the 15th at Halifax; on the 18th at Osborne and Halifax; on the 23rd at Liverpool and Stonyhurst; on the 24th at Liverpool and Llandudno; on the 25th at Liverpool; on the 26th at Whitechurch, Barnet, Stockton, and Wolverhampton.

Thunder was heard but lightning was not seen in April; on the 2nd at Oxford and Stockton; on the 15th at Salisbury and Blackheath; on the 28th at Guernsey and Hull; and on the 30th at Stockton. In May on the 1st at Wolverhampton; on the 2nd at Halifax; on the 3rd at Salisbury, Strathfield Turgiss, Whitechurch, Oxford, Royston, and Liverpool; on the 7th at Hull and Carlisle; on the 8th at Whitechurch; on the 11th at Llandudno; on the 22nd at Guernsey, Ventnor, Oxford, Cambridge, Bolton, and Halifax; on the 23rd at Whitechurch, Barnet, Llandudno, and Halifax; on the 26th at Bolton; on the 27th at Halifax, Hull, Stonyhurst, and Leeds. In June on the 2nd at Liverpool; on the 3rd at Somerleyton, Stockton, and Liverpool; on the 4th at Barnet, Somerleyton, and Halifax; on 6th at Halifax; on the 9th at Whitechurch, Oxford, Stockton; on the 12th at Barnstaple, Somerleyton, Lowestoft; on the 15th at Stockton and Cambridge; on the 16th at Cambridge; on the 18th at Somerleyton, Stockton, and Silloth; on the 23rd at Llandudno; on the 24th at Halifax, Stonyhurst, and Silloth; on the 25th at Somerleyton, Llandudno, and Stonyhurst; on the 26th at Oxford, Llandudno, Stonyhurst, and Carlisle; on the 27th at Carlisle; on the 28th at Llandudno; on the 29th at Silloth and Carlisle; and on the 30th at Barnstaple, Wolverhampton, and Stonyhurst.

Lightning was seen but thunder was not heard in April, on the 5th at Barnet and Cambridge; in May, on the 3rd at Royston and Cambridge, on the 7th at Barnet, Oxford, Royston, Liverpool, and Halifax, on the 8th at Barnet, and on the 22nd at Osborne; in June, on the 24th at Lowestoft.

Solar halos were seen in April, on the 1st, 16th, and 21st at Oxford, on the 21st at Stonyhurst, on the 25th at Hull. In May on the 2nd at Torquay and Oxford, on the 3rd at Oxford, on the 6th and 9th at Torquay, Strathfield, and Oxford, on the 18th and 21st at Bath. In June on the 12th at Halifax, on the 17th at Oxford, and on the 25th at Liverpool.

Lunar halos were seen on three nights in April, and on three nights in May.

Snow fell in April on the 29th at Liverpool, Bolton, and Stonyhurst. In May on the 15th at Cambridge.

Hail fell on April on the 1st at Torquay; on the 2nd at Guernsey; on the 5th at Salisbury; on the 13th at Llandudno; on the 14th at Truro and Royston; on the 15th at Torquay; on the 24th at Whitechurch, Oxford, Royston, Cardington, Stockton, and Bolton; on the 25th at Stonyhurst; on the 26th at Torquay; on the 27th, 28th, 29th at Truro; on the 28th at Truro and Hull; on the 29th at Truro; on the 30th at Torquay, Oxford, Cambridge, and Carlisle. In May on the 1st at Torquay, Halifax, and Stonyhurst; on the 3rd at Stockton, Wolverhampton, and Bolton; on the 8th at Cambridge; on the 22nd at Stockton; on the 23rd at Llandudno; on the 26th at Hull; on the 28th and 30th at Bath. In June on the 4th at Halifax; on the 6th at Llandudno; on the 7th and 9th at Cambridge; on the 10th at Barnet, Bolton, and Halifax; on the 12th at Ventnor, Marlborough, Barnet, Oxford, Stockton, Cambridge, Bolton, and Stonyhurst; on the 14th at Bolton; on the 15th at Cambridge and Halifax; on the 18th at Marlborough and Cambridge; and on the 23rd at Bolton.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1882.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1882. | Months. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | Vapour. | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Rain. | |
|---|---------|---------------------------------------|----------------------------------|--------|----------|------------------------------|--------|----------|------------------------|---------|------------------------------------|---------|---------------------------|-----|-----------------------------|-------|----|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Highest. | | | | Lowest. | Relative Proportion of | | | | |
| | | | | | | | | | | | | | N. | S. | | | W. |
| GUERNSEY. AUGUS COLLENETTE, Esq., F.M.S. | April | 29-503 | in. | 1-124 | 69.8 | 37.0 | 54.3 | 44.7 | 9.6 | 33.4 | 41.8 | 9 | 7 | 5.9 | 19 | | |
| | May | 29-750 | 0-988 | 66.3 | 45.0 | 21.3 | 69.1 | 19.7 | 43.4 | 33.2 | 40.8 | 11 | 9 | 3.1 | 3 | | |
| | June | 29-690 | 0-637 | 66.6 | 44.8 | 20.7 | 69.1 | 10.6 | 35.4 | 31.7 | 48.5 | 10 | 8 | 8.0 | 22 | | |
| TRURO (Cornwall), C. C. BAHAM, Esq., M.D., F.M.S. | April | 29-768 | 1-253 | 63.0 | 30.0 | 33.0 | 47.7 | 18.1 | 46.6 | 39.2 | 41.4 | 6 | 7 | 6.3 | 22 | | |
| | May | 29-740 | 1-060 | 73.0 | 37.0 | 33.3 | 45.4 | 12.7 | 45.6 | 33.0 | 43.2 | 4 | 11 | 7.3 | 13 | | |
| | June | 29-630 | 0-980 | 70.0 | 37.0 | 33.1 | 45.4 | 12.7 | 45.6 | 33.0 | 43.2 | 4 | 11 | 7.3 | 13 | | |
| PLYMOUTH (Devon), J. M. BARNES, Esq., LL.D., F.R.S., F.M.S. | April | 29-669 | 1-006 | 62.5 | 32.0 | 37.5 | 46.2 | 12.9 | 47.9 | 37.4 | 45.1 | 7 | 9 | 6.7 | 23 | | |
| | May | 29-853 | 1-065 | 70.1 | 38.5 | 31.6 | 47.4 | 12.9 | 47.4 | 37.4 | 45.1 | 7 | 9 | 6.7 | 23 | | |
| | June | 29-838 | 0-664 | 70.5 | 43.7 | 29.8 | 63.3 | 11.5 | 46.1 | 37.4 | 45.1 | 7 | 9 | 6.7 | 23 | | |
| TOTES (Devon), T. H. EDMONDS, Esq. | April | 29-705 | 1-143 | 63.9 | 34.6 | 36.3 | 40.6 | 16.7 | 48.4 | 37.5 | 45.1 | 5 | 6 | 13 | 19 | | |
| | May | 29-710 | 1-104 | 71.3 | 32.3 | 43.2 | 45.4 | 15.1 | 45.8 | 37.5 | 45.1 | 5 | 6 | 13 | 19 | | |
| | June | 29-826 | 0-673 | 74.2 | 32.1 | 36.1 | 63.5 | 15.0 | 46.2 | 37.5 | 45.1 | 5 | 6 | 13 | 19 | | |
| TORQUAY, Babbacombe (Devon), EDWIN E. GUYDE, Esq., F.M.S. | April | 29-439 | 1-419 | 64.3 | 38.9 | 30.4 | 54.5 | 43.2 | 42.1 | 38.3 | 41.4 | 8 | 9 | 6.5 | 23 | | |
| | May | 29-710 | 1-091 | 69.7 | 37.5 | 29.2 | 60.0 | 46.6 | 35.4 | 37.5 | 45.1 | 6 | 12 | 5.3 | 19 | | |
| | June | 29-624 | 0-724 | 70.7 | 42.2 | 28.5 | 62.4 | 43.5 | 35.7 | 37.5 | 45.1 | 6 | 12 | 5.3 | 19 | | |
| VENTNOR (Isle of Wight), R. M. HARRIS, Esq. (for Consumption), HARLEY SAGAR, Esq. | April | 29-673 | 1-036 | 62.8 | 38.2 | 28.6 | 44.3 | 12.9 | 47.9 | 42.3 | 45.1 | 5 | 8 | 10 | 18 | | |
| | May | 29-931 | 1-110 | 69.1 | 40.0 | 28.5 | 61.2 | 12.9 | 47.9 | 42.3 | 45.1 | 5 | 8 | 10 | 18 | | |
| | June | 29-827 | 0-742 | 68.6 | 41.4 | 27.2 | 64.0 | 12.9 | 47.9 | 42.3 | 45.1 | 5 | 8 | 10 | 18 | | |
| EASTBOURNE (Sussex), MISS W. L. HALL. | April | 29-587 | 1-246 | 65.0 | 34.9 | 30.1 | 58.5 | 42.1 | 40.7 | 37.5 | 45.1 | 10 | 11 | 2.7 | 15 | | |
| | May | 29-854 | 1-150 | 72.5 | 39.0 | 33.5 | 64.1 | 45.7 | 48.4 | 37.5 | 45.1 | 10 | 11 | 2.7 | 15 | | |
| | June | 29-742 | 0-762 | 74.1 | 42.1 | 32.0 | 67.2 | 50.4 | 48.4 | 37.5 | 45.1 | 10 | 11 | 2.7 | 15 | | |
| OSBORNE (Isle of Wight), J. R. MANE, Esq. | April | 29-587 | 1-246 | 65.0 | 34.9 | 30.1 | 58.5 | 42.1 | 40.7 | 37.5 | 45.1 | 10 | 11 | 2.7 | 15 | | |
| | May | 29-854 | 1-150 | 72.5 | 39.0 | 33.5 | 64.1 | 45.7 | 48.4 | 37.5 | 45.1 | 10 | 11 | 2.7 | 15 | | |
| | June | 29-742 | 0-762 | 74.1 | 42.1 | 32.0 | 67.2 | 50.4 | 48.4 | 37.5 | 45.1 | 10 | 11 | 2.7 | 15 | | |
| SOUTHBOURNE ON SEA (Hants), T. COMPTON, Esq., M.D., B.A., F.M.S. | April | 29-668 | 1-038 | 62.2 | 34.9 | 27.3 | 62.3 | 42.3 | 43.0 | 48.0 | 46.6 | 6 | 9 | 6 | 18 | | |
| | May | 29-984 | 1-068 | 68.8 | 38.3 | 32.5 | 69.9 | 46.1 | 13.8 | 56.6 | 32.8 | 4 | 11 | 4.7 | 10 | | |
| | June | 29-740 | 0-762 | 74.1 | 42.1 | 32.0 | 67.2 | 50.4 | 48.4 | 37.5 | 45.1 | 10 | 11 | 2.7 | 15 | | |
| SALISBURY (Wilton House), Wils., THOMAS CHALLIS, Esq. | April | 29-583 | 1-312 | 67.0 | 31.0 | 41.0 | 67.2 | 45.6 | 21.6 | 35.3 | 48.1 | 4 | 7 | 10 | 16 | | |
| | May | 29-853 | 1-088 | 75.0 | 31.0 | 44.0 | 67.2 | 45.6 | 21.6 | 35.3 | 48.1 | 4 | 7 | 10 | 16 | | |
| | June | 29-717 | 0-722 | 74.0 | 33.0 | 41.0 | 67.2 | 45.6 | 21.6 | 35.3 | 48.1 | 4 | 7 | 10 | 16 | | |
| BRIGHTON. | April | 29-569 | 1-160 | 61.4 | 35.0 | 26.4 | 66.4 | 42.3 | 14.1 | 48.5 | 40.6 | 3 | 10 | 5.6 | 17 | | |
| | May | 29-880 | 1-098 | 73.0 | 39.6 | 32.4 | 62.8 | 47.2 | 15.6 | 57.9 | 45.0 | 3 | 10 | 5.6 | 17 | | |
| | June | 29-710 | 0-733 | 73.0 | 41.0 | 32.3 | 66.7 | 50.8 | 37.6 | 50.8 | 45.0 | 3 | 10 | 5.6 | 17 | | |
| BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | April | 29-689 | 1-320 | 65.0 | 37.0 | 28.0 | 63.0 | 45.6 | 12.4 | 46.6 | 46.3 | 5 | 6 | 10 | 23 | | |
| | May | 29-863 | 1-120 | 70.9 | 39.0 | 33.0 | 64.9 | 51.1 | 13.8 | 56.6 | 51.0 | 3 | 6 | 10 | 23 | | |
| | June | 29-885 | 0-690 | 73.5 | 41.0 | 32.5 | 63.9 | 53.7 | 12.2 | 57.9 | 53.3 | 3 | 6 | 10 | 23 | | |

| Year 1882. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | | | | | | | | |
|---------------|--|--|---------------------------|--------|--------|------------------------------|----------------|--------------|------------------------|------------|----------------|----------------------------|------------------------------------|--|--|-----------------------------|----------------------|------------------------|---------------------------|--------|--------|--------------------------|-------------------|---------------------------|--------|-----|
| | | | Month. | | Range. | Mean. | | Daily Range. | Air. | Dew Point. | Elastic Force. | In a Cubic foot of Air. | Short of Saturation. | Mean Degree of Humi- dity. Sat., 100. | Mean Weight of a Cubic foot of Air. | Maximum in Shade in Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | Mean Amount of Cloud. | Number of Days | Amount col- lected. | | |
| | | | Mean. | Range. | | Of all Highest. | Of all Lowest. | | | | | | | | | | | | N. | E. | S. | | | | W. | |
| Months. | feet. | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| April | 665 | CATERHAM (Surrey), Metropolitan Asylum, | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| May | 665 | G. STANLEY ELLIOT, Esq., M.D. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| June | 665 | Rev. T. J. ALMOND, O.S.B., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| April | 107 | STRATHFIELD TURGISH (Hants), Rev. C. H. GRIFFITH, M.A., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| May | 107 | BATH (Somerset), St. Gregory's College, Downside, | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| June | 107 | Rev. T. J. ALMOND, O.S.B., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| April | 436 | MARLBOROUGH (Wilt), Rev. THOMAS A. PRESTON, M.A., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| May | 436 | BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| June | 150 | ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| April | 123 | WHITCHURCH RECTORY (Glox), Rev. J. SLATKIN, M.A., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| May | 123 | CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| June | 212 | EARNET (Gas Works), F. EARNET, Esq., C.E. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| April | 210 | OXFORD (The Observatory), E. J. STROM, Esq., M.A., F.R.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| May | 100 | GLOUCESTER COUNTY ASYLUM, E. TOLLER, Esq., M.R.C.S., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| June | 203 | ROYSTON (Hertfordshire), HALE WORTHAM, Esq., F.R.A.S., F.M.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| April | 105 | BEDFORD, Cardington, M. J. MCLEAREN, Assistant to M. J. MCLEAREN, Esq., M.P. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| May | 40 | CAMBRIDGE (Trinity College), J. F. L. GLAISHER, Esq., M.A., F.R.S. | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |
| June | 40 | | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | 29.557 | |

| Year 1881. | Names of Stations and Observers. | Height above Sea Level. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | Vapour. | Wind. | | | Mean Amount of Cloud. | Amount of Rain. | | | | | |
|---------------|-------------------------------------|----------------------------|--|--------|---------|------------------------------|--------|-------|------------------------|---------|---------|-------------------------|---|--|---|--------------------|------------------------|---------------------------------------|----------------|------------|
| | | | Mean. | Range. | Height. | Lowest. | Range. | High. | | | Lowest. | Range. | Direction. | | | Force. | | | | |
| | | | | | | | | | | | | | | | | | Mean. | Of all Highest. | Of all Lowest. | Dew Point. |
| Months. | In. | ft. | In. | ft. | In. | ft. | In. | ft. | In. | ft. | Mean. | Short of Saturation. | Mean Degree of Humi- dity, 32° = 100. | Mean Weight of a cubic foot of Air. | Mean Reading of Thermometer in Shade of Sun. | Minimum Grains. | Estimated Strength. | Relative Proportion of N. S. W. | | |
| April | 29.334 | 1.324 | 66.5 | 43.0 | 57.3 | 37.8 | 19.5 | 43.8 | 285 | 3.3 | 0.8 | 84 | 537 | 27.8 | — | — | — | 9 | 8 | 9 |
| May | 29.375 | 1.410 | 67.0 | 43.5 | 57.8 | 38.3 | 20.0 | 44.3 | 290 | 3.5 | 0.8 | 84 | 540 | 28.1 | — | — | — | 10 | 8 | 9 |
| June | 29.457 | 1.598 | 76.6 | 59.5 | 67.1 | 44.7 | 21.0 | 54.3 | 322 | 4.1 | 0.7 | 84 | 536 | 28.0 | — | — | — | 10 | 12 | 10 |
| July | 29.457 | 1.598 | 76.6 | 59.5 | 67.1 | 44.7 | 21.0 | 54.3 | 322 | 4.1 | 0.7 | 84 | 536 | 28.0 | — | — | — | 10 | 12 | 10 |
| August | 29.457 | 1.598 | 76.6 | 59.5 | 67.1 | 44.7 | 21.0 | 54.3 | 322 | 4.1 | 0.7 | 84 | 536 | 28.0 | — | — | — | 10 | 12 | 10 |
| September | 29.457 | 1.598 | 76.6 | 59.5 | 67.1 | 44.7 | 21.0 | 54.3 | 322 | 4.1 | 0.7 | 84 | 536 | 28.0 | — | — | — | 10 | 12 | 10 |
| October | 29.457 | 1.598 | 76.6 | 59.5 | 67.1 | 44.7 | 21.0 | 54.3 | 322 | 4.1 | 0.7 | 84 | 536 | 28.0 | — | — | — | 10 | 12 | 10 |
| November | 29.457 | 1.598 | 76.6 | 59.5 | 67.1 | 44.7 | 21.0 | 54.3 | 322 | 4.1 | 0.7 | 84 | 536 | 28.0 | — | — | — | 10 | 12 | 10 |
| December | 29.457 | 1.598 | 76.6 | 59.5 | 67.1 | 44.7 | 21.0 | 54.3 | 322 | 4.1 | 0.7 | 84 | 536 | 28.0 | — | — | — | 10 | 12 | 10 |
| April | 29.635 | 1.462 | 63.1 | 34.7 | 52.1 | 32.1 | 41.4 | 40.7 | 256 | 3.0 | 0.7 | 84 | 543 | 69.2 | 38.1 | 46.9 | 0.7 | 3 | 7 | 10 |
| May | 29.635 | 1.462 | 63.1 | 34.7 | 52.1 | 32.1 | 41.4 | 40.7 | 256 | 3.0 | 0.7 | 84 | 543 | 69.2 | 38.1 | 46.9 | 0.7 | 3 | 7 | 10 |
| June | 29.735 | 1.692 | 69.7 | 40.9 | 59.7 | 32.7 | 42.3 | 42.3 | 274 | 3.8 | 0.7 | 84 | 536 | 118.1 | 46.9 | 46.9 | 0.7 | 3 | 7 | 10 |
| July | 29.735 | 1.692 | 69.7 | 40.9 | 59.7 | 32.7 | 42.3 | 42.3 | 274 | 3.8 | 0.7 | 84 | 536 | 118.1 | 46.9 | 46.9 | 0.7 | 3 | 7 | 10 |
| August | 29.735 | 1.692 | 69.7 | 40.9 | 59.7 | 32.7 | 42.3 | 42.3 | 274 | 3.8 | 0.7 | 84 | 536 | 118.1 | 46.9 | 46.9 | 0.7 | 3 | 7 | 10 |
| September | 29.735 | 1.692 | 69.7 | 40.9 | 59.7 | 32.7 | 42.3 | 42.3 | 274 | 3.8 | 0.7 | 84 | 536 | 118.1 | 46.9 | 46.9 | 0.7 | 3 | 7 | 10 |
| October | 29.735 | 1.692 | 69.7 | 40.9 | 59.7 | 32.7 | 42.3 | 42.3 | 274 | 3.8 | 0.7 | 84 | 536 | 118.1 | 46.9 | 46.9 | 0.7 | 3 | 7 | 10 |
| November | 29.735 | 1.692 | 69.7 | 40.9 | 59.7 | 32.7 | 42.3 | 42.3 | 274 | 3.8 | 0.7 | 84 | 536 | 118.1 | 46.9 | 46.9 | 0.7 | 3 | 7 | 10 |
| December | 29.735 | 1.692 | 69.7 | 40.9 | 59.7 | 32.7 | 42.3 | 42.3 | 274 | 3.8 | 0.7 | 84 | 536 | 118.1 | 46.9 | 46.9 | 0.7 | 3 | 7 | 10 |
| April | 29.754 | 1.218 | 69.4 | 33.2 | 50.2 | 33.8 | 40.8 | 41.5 | 268 | 3.0 | 0.7 | 84 | 543 | 69.2 | 38.1 | 46.9 | 1.1 | 5 | 11 | 6 |
| May | 29.754 | 1.218 | 69.4 | 33.2 | 50.2 | 33.8 | 40.8 | 41.5 | 268 | 3.0 | 0.7 | 84 | 543 | 69.2 | 38.1 | 46.9 | 1.1 | 5 | 11 | 6 |
| June | 29.817 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| July | 29.817 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| August | 29.817 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| September | 29.817 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| October | 29.817 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| November | 29.817 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| December | 29.817 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| April | 29.827 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| May | 29.827 | 1.310 | 73.7 | 38.1 | 53.6 | 37.7 | 45.4 | 45.4 | 294 | 3.6 | 0.8 | 84 | 541 | 70.8 | 48.1 | 48.1 | 1.1 | 6 | 11 | 6 |
| June | 29.914 | 1.446 | 69.1 | 34.0 | 51.1 | 32.7 | 40.6 | 40.6 | 315 | 3.2 | 0.9 | 83 | 533 | — | — | — | — | 6 | 13 | 8 |
| July | 29.914 | 1.446 | 69.1 | 34.0 | 51.1 | 32.7 | 40.6 | 40.6 | 315 | 3.2 | 0.9 | 83 | 533 | — | — | — | — | 6 | 13 | 8 |
| August | 29.914 | 1.446 | 69.1 | 34.0 | 51.1 | 32.7 | 40.6 | 40.6 | 315 | 3.2 | 0.9 | 83 | 533 | — | — | — | — | 6 | 13 | 8 |
| September | 29.914 | 1.446 | 69.1 | 34.0 | 51.1 | 32.7 | 40.6 | 40.6 | 315 | 3.2 | 0.9 | 83 | 533 | — | — | — | — | 6 | 13 | 8 |
| October | 29.914 | 1.446 | 69.1 | 34.0 | 51.1 | 32.7 | 40.6 | 40.6 | 315 | 3.2 | 0.9 | 83 | 533 | — | — | — | — | 6 | 13 | 8 |
| November | 29.914 | 1.446 | 69.1 | 34.0 | 51.1 | 32.7 | 40.6 | 40.6 | 315 | 3.2 | 0.9 | 83 | 533 | — | — | — | — | 6 | 13 | 8 |
| December | 29.914 | 1.446 | 69.1 | 34.0 | 51.1 | 32.7 | 40.6 | 40.6 | 315 | 3.2 | 0.9 | 83 | 533 | — | — | — | — | 6 | 13 | 8 |
| April | 29.940 | 1.418 | 65.1 | 35.0 | 55.7 | 40.1 | 15.0 | 47.0 | 39.8 | 3.45 | 0.8 | 83 | 537 | 103.2 | 31.2 | — | 1.0 | 6 | 7 | 8 |
| May | 29.975 | 1.470 | 65.6 | 35.4 | 56.2 | 40.4 | 15.3 | 47.3 | 40.0 | 3.7 | 0.8 | 83 | 541 | 103.7 | 31.7 | — | 0.8 | 6 | 7 | 8 |
| June | 29.969 | 1.488 | 75.2 | 41.9 | 62.2 | 44.3 | 17.5 | 53.4 | 47.6 | 3.45 | 0.9 | 83 | 534 | 118.9 | — | — | 0.7 | 6 | 7 | 8 |
| July | 29.969 | 1.488 | 75.2 | 41.9 | 62.2 | 44.3 | 17.5 | 53.4 | 47.6 | 3.45 | 0.9 | 83 | 534 | 118.9 | — | — | 0.7 | 6 | 7 | 8 |
| August | 29.969 | 1.488 | 75.2 | 41.9 | 62.2 | 44.3 | 17.5 | 53.4 | 47.6 | 3.45 | 0.9 | 83 | 534 | 118.9 | — | — | 0.7 | 6 | 7 | 8 |
| September | 29.969 | 1.488 | 75.2 | 41.9 | 62.2 | 44.3 | 17.5 | 53.4 | 47.6 | 3.45 | 0.9 | 83 | 534 | 118.9 | — | — | 0.7 | 6 | 7 | 8 |
| October | 29.969 | 1.488 | 75.2 | 41.9 | 62.2 | 44.3 | 17.5 | 53.4 | 47.6 | 3.45 | 0.9 | 83 | 534 | 118.9 | — | — | 0.7 | 6 | 7 | 8 |
| November | 29.969 | 1.488 | 75.2 | 41.9 | 62.2 | 44.3 | 17.5 | 53.4 | 47.6 | 3.45 | 0.9 | 83 | 534 | 118.9 | — | — | 0.7 | 6 | 7 | 8 |
| December | 29.969 | 1.488 | 75.2 | 41.9 | 62.2 | 44.3 | 17.5 | 53.4 | 47.6 | 3.45 | 0.9 | 83 | 534 | 118.9 | — | — | 0.7 | 6 | 7 | 8 |
| April | 29.947 | 1.332 | 69.2 | 34.0 | 56.4 | 39.1 | 17.3 | 46.5 | 40.7 | 3.55 | 0.7 | 82 | 541 | 95.7 | 37.6 | — | 0.7 | 6 | 9 | 8 |
| May | 29.939 | 1.144 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| June | 29.950 | 1.080 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| July | 29.950 | 1.080 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| August | 29.950 | 1.080 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| September | 29.950 | 1.080 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| October | 29.950 | 1.080 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| November | 29.950 | 1.080 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| December | 29.950 | 1.080 | 73.9 | 34.3 | 63.9 | 42.5 | 23.2 | 49.6 | 44.6 | 3.0 | 1.2 | 75 | 539 | 113.4 | 39.4 | — | 0.8 | 12 | 4 | 6 |
| April | 29.740 | 1.284 | 64.5 | 25.7 | 33.8 | 33.3 | 17.3 | 44.6 | 41.3 | 3.00 | 0.9 | 84 | 546 | 98.0 | 31.2 | — | 0.8 | 8 | 12 | 2 |
| May | 29.975 | 1.100 | 71.0 | 27.2 | 43.8 | 39.0 | 20.4 | 49.9 | 45.4 | 3.04 | 0.7 | 86 | 545 | 123.3 | 32.6 | — | 1.8 | 4 | 7 | 2 |
| June | 29.982 | 1.000 | 74.2 | 32.7 | 63.9 | 42.5 | 18.7 | 53.3 | 49.3 | 3.54 | 0.6 | 86 | 538 | 123.1 | 37.7 | — | 1.9 | 9 | 14 | 6 |
| July | 29.982 | 1.000 | 74.2 | 32.7 | 63.9 | 42.5 | 18.7 | 53.3 | 49.3 | 3.54 | 0.6 | 86 | 538 | 123.1 | 37.7 | — | 1.9 | 9 | 14 | 6 |
| August | 29.982 | 1.000 | 74.2 | 32.7 | 63.9 | 42.5 | 18.7 | 53.3 | 49.3 | 3.54 | 0.6 | 86 | 538 | 123.1 | 37.7 | — | 1.9 | 9 | 14 | 6 |
| September | 29.982 | 1.000 | 74.2 | 32.7 | 63.9 | 42.5 | 18.7 | 53.3 | 49.3 | 3.54 | 0.6 | 86 | 538 | 123.1 | 37.7 | — | 1.9 | 9 | 14 | 6 |
| October | 29.982 | 1.000 | 74.2 | 32.7 | 63.9 | 42.5 | 18.7 | 53.3 | 49.3 | 3.54 | 0.6 | 86 | 538 | 123.1 | 37.7 | — | 1.9 | 9 | 14 | 6 |
| November | 29.982 | 1.000 | 74.2 | 32.7 | 63.9 | 42.5 | 18.7 | 53.3 | 49.3 | 3.54 | 0.6 | 86 | 538 | 123.1 | 37.7 | — | 1.9 | 9 | 14 | 6 |
| December | 29.982 | 1.000 | 74.2 | 32.7 | 63.9 | 42.5 | 18.7 | 53.3 | 49.3 | 3.54 | 0.6 | 86 | 538 | 123.1 | 37.7 | — | 1.9 | 9 | 14 | 6 |
| April | 29.639 | 1.470 | 61.8 | 33.5 | 52.3 | 41.3 | 10.9 | 46.4 | 40.9 | 3.27 | 0.7 | 83 | 543 | — | — | — | 1.0 | 12 | 7 | 10 |
| May | 29.916 | 1.270 | 65.5 | 33.8 | 51.7 | 38.7 | 13.1 | 44.0 | 44.0 | 3.27 | 0.7 | 83 | 543 | — | — | — | 1.0 | 12 | 7 | 10 |
| June | 29.768 | 0.985 | 65.5 | 43.2 | 55.3 | 40.8 | 49.2 | 41.6 | 47.9 | 3.31 | 0.6 | 79 | 537 | — | — | — | 1.0 | 5 | 3 | 6 |
| July | 29.768 | 0.985 | 65.5 | 43.2 | 55.3 | 40.8 | 49.2 | 41.6 | 47.9 | 3.31 | 0.6 | 79 | 537 | — | — | — | 1.0 | 5 | 3 | 6 |
| August | 29.768 | 0.985 | 65.5 | 43.2 | 55.3 | 40.8 | 49.2 | 41.6 | 47.9 | 3.31 | 0.6 | 79 | 537 | — | — | — | 1.0 | 5 | 3 | 6 |
| September | 29.768 | 0.985 | | | | | | | | | | | | | | | | | | |

| Year 1882. | Month. | Pressure of Air in Month. | | | Mean Temperature. | | | Vapour. | Mean Degree of Humidity. Sat. in 100. | Mean Weight of a cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | Wind. | | | Mean Amount of Clear. | Mean Amount of Cloud. | Rain. Number of Days it fell. | Amount col- lected. | | | | | | | | | |
|---------------------------------------|--|---------------------------|--------|----------|-------------------|--------|--------------|---------|---------------------------------------|-------------------------------------|-------------------------|-------------------|-------------|--------------|------|-----------------------|-----------------------|-------------------------------------|------------------------|------------|----------------|-------------------------|-------|----------------------|---------------------|----|----|----|
| | | Mean. | Range. | Highest. | Lowest. | Range. | All Highest. | | | | | | All Lowest. | Daily Range. | Air. | | | | | Dew Point. | Elastic Force. | In a cubic foot of Air. | Mean. | Short of Saturation. | Estimated Strength. | N. | S. | W. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Height of Station Above Sea Level. | Names of Stations and Observers. | feet. | in. | in. | in. | in. | in. | in. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | | | | | | | | | |
| { 37 | LEEDS (Yorkshire), The Philosophical Society. | 437 | April | 29.571 | 1.502 | 65.0 | 52.0 | 34.0 | 54.5 | 40.5 | 11.0 | 46.5 | 42.0 | .288 | 3.1 | 0.6 | 58 | 551 | 58.0 | 0 | 5 | 6 | 16 | 1.20 | | | | |
| | HENRY CROWTHER, Esq. | | May | 29.863 | 1.314 | 72.0 | 59.0 | 35.0 | 63.9 | 44.2 | 18.7 | 53.4 | .282 | 3.2 | 1.2 | 69 | 538 | 73.0 | 0 | 12 | 4 | 11 | 1.21 | | | | | |
| | | June | 29.692 | 1.078 | 74.0 | 61.0 | 35.0 | 63.5 | 49.9 | 16.6 | 53.7 | .301 | 4.0 | 0.8 | 13 | 533 | 89.0 | 0 | 6 | 14 | 3 | 3 | 3.33 | | | | | |
| { 114 | LANCASTER (Southfields), WILLIAM ROVER, Esq. | | April | 29.683 | 1.414 | 62.0 | 50.0 | 32.0 | 51.8 | 39.3 | 13.5 | 44.8 | .281 | 2.6 | 0.8 | 77 | 544 | 54.0 | 0 | 1 | 1 | 14 | 4.06 | | | | | |
| | | May | 29.769 | 1.352 | 63.0 | 53.0 | 33.0 | 49.0 | 40.6 | 18.2 | 40.8 | .295 | 3.0 | 1.2 | 72 | 542 | 62.0 | 0 | 1 | 1 | 14 | 2.11 | | | | | | |
| | | June | 29.727 | 0.788 | 69.0 | 49.0 | 26.0 | 61.4 | 47.5 | 13.9 | 53.3 | .315 | 3.3 | 1.0 | 77 | 537 | 64.0 | 0 | 1 | 1 | 18 | 4.40 | | | | | | |
| { 28 | SILLOTH (Cumberland), "The Rectory." | | April | 29.708 | 1.017 | 69.3 | 56.8 | 32.5 | 62.1 | 38.6 | 13.5 | 43.9 | .288 | 2.7 | 0.6 | 83 | 542 | 36.0 | 0 | 1 | 1 | 16 | 2.92 | | | | | |
| | REV. F. HEDFORD, M.A., F.R.A.S., F.M.S. | | May | 29.764 | 1.036 | 70.0 | 57.0 | 32.0 | 61.1 | 42.1 | 19.1 | 50.3 | .294 | 3.0 | 1.2 | 73 | 544 | 116.0 | 0 | 3 | 8 | 18 | 1.80 | | | | | |
| | | June | 29.785 | 1.103 | 73.0 | 60.0 | 33.0 | 64.5 | 46.9 | 17.4 | 53.8 | .315 | 3.9 | 0.8 | 101 | 543 | 88.0 | 0 | 6 | 14 | 6 | 2 | 3.42 | | | | | |
| { 114 | CARLISLE, Spital (Cumberland), JAMES HARRISON, Esq., F.M.S. | | April | 29.613 | 1.290 | 60.0 | 50.7 | 30.3 | 53.8 | 36.6 | 17.2 | 44.3 | .283 | 2.7 | 0.7 | 79 | 547 | 101.0 | 0 | 2 | 15 | 6 | 3 | 3.5 | | | | |
| | ISAAC CARTMEL, Esq., F.M.S. | | May | 29.678 | 1.157 | 62.0 | 52.5 | 30.0 | 62.5 | 40.7 | 21.8 | 50.4 | .292 | 3.3 | 0.8 | 104 | 542 | 101.0 | 0 | 7 | 3 | 7 | 1 | 1.38 | | | | |
| | | June | 29.677 | 1.273 | 65.0 | 55.2 | 35.2 | 65.3 | 43.8 | 19.7 | 54.1 | .304 | 4.0 | 0.8 | 81 | 534 | 106.6 | 0 | 3 | 15 | 4 | 3 | 2 | 2.68 | | | | |

Second Rain-gauges are placed—

Second Rain-gauges are placed—
At Eastbourne, after the
" Beachy Head, " " " "
" Oxford, " " " "
" Cardington, " " " "
" Nottingham, " " " "
" Holkham, " " " "

Fog prevailed in April on the 1st at Cambridge; on the 3rd at Torquay; on the 4th at Torquay; on the 6th at Strathfield Turgiss, and Cambridge; on the 10th at Bolton and Hull; on the 13th and 20th at Torquay; on the 21st at Torquay and Lowestoft; and on the 22nd at Torquay. In May on the 5th at Oxford, Somerleyton, and Bolton; on the 6th at Bath; on the 10th at Truro, on the 11th at Guernsey and Bath; on the 18th at Wolverhampton; on the 19th at Cambridge, on the 21st at Bath; on the 22nd and 23rd at Torquay; and on the 22nd at Ventnor. In June on the 2nd and 3rd at Guernsey; on the 12th at Truro; on the 18th at Osborne; on the 20th and 21st at Barnet; on the 26th and 30th at Cambridge.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | | | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|------------------------|-------|------|-----|-----------------------|-----------------------|----------------------------------|-------------------|-------|-------|-------|------|
| | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Number of Days on which it fell. | Amount collected. | | | | |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | | |
| Guernsey | 29.590 | 63.6 | 37.0 | 26.6 | 63.6 | 37.0 | 26.6 | 13.3 | 50.3 | 50.3 | 0.83 | 0.83 | 0.83 | 83 | 536 | 109.7 | 45.4 | 1.0 | 6 | 7 | 9 | 9 | 3.6 | 5.4 | 50 | 9.55 | | | |
| Truro | 29.595 | 73.0 | 30.0 | 43.0 | 73.0 | 30.0 | 43.0 | 21.5 | 51.5 | 51.5 | 0.83 | 0.83 | 0.83 | 83 | 536 | 109.7 | 45.4 | 1.0 | 6 | 7 | 9 | 9 | 3.6 | 5.4 | 50 | 9.55 | | | |
| Plymouth | 29.575 | 70.5 | 35.0 | 35.5 | 70.5 | 35.0 | 35.5 | 35.5 | 50.5 | 50.5 | 0.83 | 0.83 | 0.83 | 83 | 536 | 109.7 | 45.4 | 1.0 | 6 | 7 | 9 | 9 | 3.6 | 5.4 | 50 | 9.55 | | | |
| Totnes | 29.647 | 74.2 | 29.3 | 44.9 | 74.2 | 29.3 | 44.9 | 44.9 | 50.5 | 50.5 | 0.83 | 0.83 | 0.83 | 83 | 536 | 109.7 | 45.4 | 1.0 | 6 | 7 | 9 | 9 | 3.6 | 5.4 | 50 | 9.55 | | | |
| Torquay | 29.626 | 70.7 | 39.3 | 36.8 | 70.7 | 39.3 | 36.8 | 58.9 | 46.0 | 29.4 | 12.9 | 51.1 | 66.0 | 31.1 | 87.6 | 0.7 | 83 | 536 | 120.3 | 37.4 | 1.5 | 5 | 8 | 6 | 13 | 5.8 | 57 | 13.14 | |
| Ventnor | 29.640 | 69.1 | 38.2 | 30.9 | 69.1 | 38.2 | 30.9 | 26.8 | 12.8 | 50.3 | 50.3 | 0.83 | 0.83 | 0.83 | 83 | 536 | 109.7 | 45.4 | 1.0 | 6 | 7 | 9 | 9 | 3.6 | 5.4 | 50 | 9.55 | | |
| Eastbourne | 29.555 | 74.1 | 34.9 | 39.2 | 74.1 | 34.9 | 39.2 | 31.9 | 17.7 | 53.3 | 49.5 | 85.6 | 4.0 | 0.6 | 87 | 0.6 | 87 | 536 | 118.8 | 43.4 | 0.7 | 4 | 8 | 6 | 11 | 9 | 5.2 | 39 | 7.49 |
| Osborne | 29.627 | 70.4 | 34.9 | 35.6 | 70.4 | 34.9 | 35.6 | 59.2 | 46.3 | 30.2 | 13.1 | 57.1 | 1.286 | 3.0 | 1.0 | 79 | 536 | 112.3 | 38.1 | 1.2 | 4 | 6 | 8 | 9 | 10 | 5.3 | 44 | 8.36 | |
| Southbourne | 29.600 | 75.0 | 35.0 | 40.0 | 75.0 | 35.0 | 40.0 | 74.1 | 42.0 | 23.0 | 52.1 | 145.4 | 3.0 | 3.0 | 1.0 | 79 | 536 | 112.3 | 38.1 | 1.2 | 4 | 6 | 8 | 9 | 10 | 5.3 | 44 | 8.36 | |
| Salisbury | 29.535 | 73.5 | 37.0 | 36.5 | 73.5 | 37.0 | 36.5 | 12.1 | 12.8 | 50.3 | 50.3 | 0.83 | 0.83 | 0.83 | 83 | 536 | 109.7 | 45.4 | 1.0 | 6 | 7 | 9 | 9 | 3.6 | 5.4 | 50 | 9.55 | | |
| Barnstaple | 29.614 | 73.2 | 30.2 | 43.0 | 73.2 | 30.2 | 43.0 | 36.4 | 19.9 | 52.4 | 46.1 | 33.4 | 3.6 | 4.1 | 1.0 | 79 | 536 | 114.1 | 36.4 | 0.7 | 4 | 5 | 8 | 11 | 10 | 4.0 | 55 | 10.11 | |
| Stratfield Turgiss | 29.598 | 70.2 | 30.5 | 39.7 | 70.2 | 30.5 | 39.7 | 33.1 | 16.5 | 50.5 | 44.4 | 29.5 | 3.4 | 0.8 | 80 | 536 | 112.3 | 37.8 | 0.7 | 4 | 7 | 8 | 11 | 11 | 2.8 | 48 | 40 | 9.32 | |
| Marlborough | 29.542 | 74.4 | 30.0 | 44.4 | 74.4 | 30.0 | 44.4 | 37.5 | 21.0 | 52.3 | 45.0 | 32.0 | 3.4 | 1.1 | 78 | 536 | 112.3 | 37.8 | 0.7 | 4 | 7 | 8 | 11 | 11 | 2.8 | 48 | 40 | 9.32 | |
| Whitechurch | 29.601 | 75.0 | 34.0 | 41.0 | 75.0 | 34.0 | 41.0 | 32.3 | 16.6 | 52.5 | 44.8 | 30.0 | 3.4 | 1.1 | 76 | 536 | 112.3 | 38.0 | 0.7 | 4 | 7 | 8 | 11 | 11 | 2.8 | 48 | 40 | 9.32 | |
| Blackheath | 29.589 | 76.5 | 31.8 | 44.7 | 76.5 | 31.8 | 44.7 | 36.4 | 19.1 | 53.0 | 46.5 | 31.9 | 3.6 | 1.0 | 79 | 536 | 121.5 | 37.4 | 0.5 | 5 | 6 | 9 | 11 | 5.0 | 4.2 | 7.01 | 0.1 | | |
| Royal Observatory | 29.609 | 74.3 | 32.6 | 41.7 | 74.3 | 32.6 | 41.7 | 34.2 | 8.7 | 53.3 | 44.9 | 29.9 | 3.3 | 1.2 | 74 | 536 | 108.2 | 31.0 | 1.0 | 8 | 6 | 8 | 8 | 6.0 | 4.3 | 6.33 | 0.1 | | |
| Camden Square | 29.632 | 72.0 | 37.0 | 35.0 | 72.0 | 37.0 | 35.0 | 34.2 | 8.7 | 53.3 | 44.9 | 29.9 | 3.3 | 1.2 | 74 | 536 | 108.2 | 31.0 | 1.0 | 8 | 6 | 8 | 8 | 6.0 | 4.3 | 6.33 | 0.1 | | |
| Barnet | 29.595 | 71.0 | 30.9 | 40.1 | 71.0 | 30.9 | 40.1 | 31.2 | 15.9 | 52.7 | 45.7 | 30.9 | 3.5 | 1.0 | 77 | 536 | 112.6 | 41.2 | 3.1 | 6 | 7 | 9 | 9 | 2.2 | 3.0 | 5.0 | 9.09 | 0.0 | |
| Oxford | 29.573 | 77.0 | 28.0 | 49.0 | 77.0 | 28.0 | 49.0 | 43.1 | 10.8 | 51.8 | 52.5 | 46.7 | 3.02 | 3.6 | 0.8 | 51 | 536 | 111.7 | 40.1 | 1.4 | 6 | 8 | 6 | 11 | 2.3 | 5.8 | 4.0 | 6.90 | 0.0 |
| Gloucester | 29.610 | 75.1 | 28.9 | 46.2 | 75.1 | 28.9 | 46.2 | 38.1 | 20.7 | 51.2 | 46.3 | 31.7 | 3.5 | 0.7 | 83 | 537 | 111.7 | 40.1 | 1.4 | 6 | 8 | 6 | 11 | 2.3 | 5.8 | 4.0 | 6.90 | 0.0 | |
| Royston | 29.565 | 77.0 | 30.0 | 47.0 | 77.0 | 30.0 | 47.0 | 42.2 | 22.0 | 52.2 | 46.3 | 31.7 | 3.6 | 0.9 | 80 | 539 | 134.5 | 36.1 | 1.2 | 8 | 9 | 9 | 4 | 5.9 | 5.0 | 6.37 | 0.1 | | |
| Bedford | 29.554 | 76.6 | 29.5 | 47.1 | 76.6 | 29.5 | 47.1 | 41.7 | 21.7 | 50.7 | 46.8 | 33.2 | 3.7 | 0.7 | 85 | 531 | 134.5 | 36.1 | 1.2 | 8 | 9 | 9 | 4 | 5.9 | 5.0 | 6.37 | 0.1 | | |
| Cambridge | 29.589 | 69.7 | 34.7 | 35.0 | 69.7 | 34.7 | 35.0 | 29.4 | 10.7 | 50.9 | 44.8 | 29.9 | 3.5 | 0.9 | 80 | 540 | 109.1 | 43.0 | 2.0 | 4 | 8 | 7 | 11 | 6.3 | 3.3 | 7.44 | 0.1 | | |
| Rugby | 29.592 | 70.2 | 32.2 | 38.0 | 70.2 | 32.2 | 38.0 | 32.3 | 13.7 | 50.5 | 45.8 | 31.2 | 3.4 | 0.7 | 84 | 542 | 109.1 | 43.0 | 2.0 | 4 | 8 | 7 | 11 | 6.3 | 3.3 | 7.44 | 0.1 | | |
| Lowestoft | 29.622 | 72.1 | 28.1 | 44.0 | 72.1 | 28.1 | 44.0 | 31.9 | 13.3 | 47.5 | 49.8 | 42.7 | 2.76 | 3.1 | 0.8 | 78 | 531 | 109.1 | 43.0 | 2.0 | 4 | 8 | 7 | 11 | 6.3 | 3.3 | 7.44 | 0.1 | |
| Somerleyton | 29.595 | 73.2 | 29.0 | 44.2 | 73.2 | 29.0 | 44.2 | 31.5 | 17.9 | 51.8 | 43.5 | 28.8 | 3.3 | 1.4 | 75 | 540 | 113.3 | 3.0 | 0.8 | 5 | 10 | 8 | 7 | 1.1 | 5.1 | 4.6 | 11.61 | 0.1 | |
| Wolverhampton | 29.568 | 78.2 | 26.2 | 52.0 | 78.2 | 26.2 | 52.0 | 48.3 | 14.2 | 40.8 | 41.5 | 45.0 | 3.03 | 3.5 | 1.0 | 80 | 537 | 105.2 | 29.6 | 0.3 | 6 | 9 | 6 | 9 | 2.3 | 6.2 | 9.10 | 0.1 | |
| Leicester | 29.575 | 72.2 | 25.7 | 46.5 | 72.2 | 25.7 | 46.5 | 40.4 | 10.8 | 18.9 | 49.3 | 45.4 | 3.06 | 3.6 | 0.6 | 87 | 543 | 114.8 | 33.9 | 1.7 | 12 | 4 | 11 | 13 | 6.2 | — | — | — | — |
| Nottingham | 29.580 | 68.5 | 33.5 | 35.0 | 68.5 | 33.5 | 35.0 | 28.4 | 12.0 | 50.0 | 44.3 | 29.2 | 3.3 | 0.8 | 83 | 541 | 114.8 | 33.9 | 1.7 | 12 | 4 | 11 | 13 | 6.2 | — | — | — | — | |
| Holkham | 29.564 | 71.3 | 29.1 | 42.2 | 71.3 | 29.1 | 42.2 | 30.4 | 12.5 | 50.5 | 45.0 | 29.2 | 3.0 | 3.4 | 0.8 | 83 | 538 | 114.8 | 33.9 | 1.7 | 12 | 4 | 11 | 13 | 6.2 | — | — | — | — |
| Llandudno | 29.617 | 74.0 | 28.5 | 45.5 | 74.0 | 28.5 | 45.5 | 30.4 | 12.5 | 50.5 | 45.0 | 29.2 | 3.0 | 3.4 | 0.8 | 83 | 538 | 114.8 | 33.9 | 1.7 | 12 | 4 | 11 | 13 | 6.2 | — | — | — | — |
| Liverpool | 29.608 | 75.0 | 28.0 | 47.0 | 75.0 | 28.0 | 47.0 | 36.8 | 10.5 | 49.6 | 43.5 | 28.2 | 3.2 | 0.9 | 77 | 534 | 72.6 | 35.1 | 1.8 | 5 | 9 | 9 | 8 | 3.5 | 6.6 | 57 | 17.15 | 0.1 | |
| Bolton | 29.572 | 75.0 | 30.5 | 44.5 | 75.0 | 30.5 | 44.5 | 36.8 | 10.5 | 49.6 | 43.5 | 28.2 | 3.2 | 0.9 | 77 | 534 | 72.6 | 35.1 | 1.8 | 5 | 9 | 9 | 8 | 3.5 | 6.6 | 57 | 17.15 | 0.1 | |
| Halifax | 29.617 | 74.0 | 28.5 | 45.5 | 74.0 | 28.5 | 45.5 | 31.1 | 13.8 | 18.5 | 48.7 | 43.0 | 2.81 | 3.2 | 0.7 | 81 | 534 | 99.9 | 39.1 | 0.7 | 5 | 8 | 8 | 10 | 6.6 | 54 | 11.84 | 0.1 | |
| Hull | 29.608 | 76.0 | 28.0 | 48.0 | 76.0 | 28.0 | 48.0 | 36.8 | 10.5 | 49.6 | 43.5 | 28.2 | 3.2 | 0.9 | 77 | 534 | 99.9 | 39.1 | 0.7 | 5 | 8 | 8 | 10 | 6.6 | 54 | 11.84 | 0.1 | | |
| Stonyhurst | 29.572 | 75.0 | 30.5 | 44.5 | 75.0 | 30.5 | 44.5 | 36.8 | 10.5 | 49.6 | 43.5 | 28.2 | 3.2 | 0.9 | 77 | 534 | 99.9 | 39.1 | 0.7 | 5 | 8 | 8 | 10 | 6.6 | 54 | 11.84 | 0.1 | | |
| Bradford | 29.587 | 74.4 | 32.0 | 42.4 | 74.4 | 32.0 | 42.4 | 32.5 | 14.5 | 50.6 | 42.6 | 29.8 | 3.0 | 1.1 | 74 | 535 | 80.4 | — | 1.0 | 4 | 7 | 7 | 13 | 6.0 | 54 | 9.25 | 0.1 | | |
| Leeds | 29.551 | 74.0 | 32.9 | 41.1 | 74.0 | 32.9 | 41.1 | 32.5 | 14.5 | 50.6 | 42.6 | 29.8 | 3.0 | 1.1 | 74 | 535 | 80.4 | — | 1.0 | 4 | 7 | 7 | 13 | 6.0 | 54 | 9.25 | 0.1 | | |
| Lancaster | 29.592 | 73.0 | 30.0 | 43.0 | 73.0 | 30.0 | 43.0 | 32.5 | 14.5 | 50.6 | 42.6 | 29.8 | 3.0 | 1.1 | 74 | 535 | 80.4 | — | 1.0 | 4 | 7 | 7 | 13 | 6.0 | 54 | 9.25 | 0.1 | | |
| Silloth | 29.572 | 75.3 | 29.8 | 45.5 | 75.3 | 29.8 | 45.5 | 32.5 | 14.5 | 50.6 | 42.6 | 29.8 | 3.0 | 1.1 | 74 | 535 | 80.4 | — | 1.0 | 4 | 7 | 7 | 13 | 6.0 | 54 | 9.25 | 0.1 | | |
| Carlisle | 29.557 | 75.7 | 23.7 | 52.0 | 75.7 | 23.7 | 52.0 | 40.0 | 10.6 | 49.8 | 43.8 | 29.2 | 3.0 | 0.8 | 81 | 540 | 100.2 | 33.3 | 0.9 | 3 | 13 | 4 | 10 | 3.8 | 6.8 | 4.0 | 6.98 | 0.1 | |

The highest temperatures of the air were at Nottingham, 78°·2; at Gloucester and Cambridge, 77°; and at Rugby 76°·6.

The lowest temperatures of the air were at Rugby, 23°·5; at Carlisle, 23°·7; and at Holkham, 25°·7.

The greatest daily ranges of temperatures were at Rugby, 53°·1; at Nottingham and Carlisle, 52°; and at Salisbury and Gloucester 49°.

The least daily ranges of temperatures were at Guernsey, 10°·6; at Lowestoft, 10°·7; and at Llandudno, 12°.

The greatest number of days of rain were at Bolton and Totnes, 57; at Barnstaple and Leicester, 55; and at Plymouth, Barmerside, and Bradford, 54.

The least number of days of rain were at Osborne, 32; at Stratfield Turgiss, Gloucester, and Silloth, 40; and at Royston, Bedford, and Somerleyton, 41.

The heaviest falls of rain in the quarter were at Bolton, 17·15 inches; at Stonyhurst, 14·49 inches; and at Marlborough, 13·43 inches.

The least falls of rain in the quarter were at Greenwich, 6·13 inches; at Royston, 6·23 inches; at Camden Square, 6·33 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Temper- ature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | |
|--|---|---|--|--|----------------------|---------------------|--|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|----|-----------------------|-----------------------|---------------------------------|-----------------------------|-------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | Mean Number of Days it fell. | Mean Amount col- lected. | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | in. | 29.590 | 63.6 | 37.0 | 31.6 | 58.9 | 48.5 | 23.0 | 10.6 | 52.6 | 48.8 | in. | grs. | gr. | 88 | 536 | 109.7 | 45.4 | 1.0 | 6 | 7 | 9 | 9 | 3.6 | 5.4 | 50 | 9.55 |
| Between | 50° and 51° | 29.598 | 71.6 | 34.6 | 37.0 | 61.0 | 46.5 | 30.9 | 34.5 | 52.2 | 47.1 | 327 | 3.7 | 0.8 | 83 | 538 | 117.3 | 40.8 | 1.5 | 5 | 7 | 8 | 10 | 5.6 | 5.0 | 50 | 8.92 |
| 51° and 52° | 29.590 | 73.8 | 30.8 | 48.0 | 62.2 | 54.1 | 35.7 | 18.7 | 32.5 | 45.5 | 40.0 | 312 | 3.5 | 1.0 | 79 | 537 | 114.4 | 37.6 | 1.4 | 6 | 6 | 8 | 8 | 5.4 | 4.2 | 46 | 8.32 |
| 52° and 53° | 29.575 | 74.2 | 29.9 | 44.5 | 61.4 | 43.3 | 35.8 | 17.9 | 31.1 | 45.2 | 39.5 | 302 | 3.2 | 0.9 | 81 | 537 | 115.5 | 39.9 | 1.0 | 6 | 6 | 8 | 8 | 5.0 | 5.0 | 46 | 8.27 |
| 53° and 54° | 29.580 | 72.6 | 29.9 | 43.7 | 58.9 | 32.9 | 15.1 | 10.0 | 24.2 | 43.5 | 38.5 | 285 | 3.2 | 0.9 | 79 | 537 | 109.3 | 38.8 | 1.0 | 4 | 8 | 7 | 11 | 3.5 | 5.3 | 50 | 10.69 |
| 54° and 55° | 29.565 | 75.5 | 25.5 | 35.0 | 56.9 | 4.1 | 18.1 | 49.6 | 49.3 | 38.3 | 38.3 | 283 | 3.2 | 0.9 | 81 | 542 | 106.1 | 36.4 | 1.2 | 3 | 12 | 5 | 5 | 5.5 | 5.8 | 45 | 7.06 |
| Mean for the Quarter, 50° to 55° | { Year 1879 " 1880 " 1881 " 1882 | 29.545 | 70.7 | 27.1 | 43.6 | 65.0 | 42.1 | 32.9 | 14.9 | 48.5 | 42.9 | 282 | 3.2 | 0.7 | 82 | 540 | 96.2 | 37.7 | 1.1 | 7 | 7 | 8 | 9 | 5.0 | 5.6 | 56 | 9.45 |
| | | 29.661 | 76.1 | 31.1 | 54.4 | 59.9 | 43.3 | 38.5 | 16.1 | 50.6 | 44.6 | 297 | 3.5 | 0.8 | 80 | 539 | 104.0 | 38.5 | 1.1 | 7 | 8 | 6 | 9 | 4.6 | 5.4 | 41 | 9.14 |
| | | 29.705 | 78.8 | 25.5 | 51.6 | 61.0 | 43.1 | 41.8 | 17.9 | 40.3 | 43.9 | 384 | 3.5 | 1.0 | 77 | 541 | 107.9 | 38.9 | 1.2 | 6 | 9 | 6 | 10 | 4.2 | 5.9 | 36 | 8.57 |
| | | 29.585 | 73.2 | 29.9 | 43.7 | 60.8 | 43.9 | 34.8 | 16.7 | 51.1 | 44.8 | 303 | 3.4 | 0.9 | 81 | 538 | 108.2 | 38.6 | 1.2 | 5 | 8 | 7 | 10 | 4.7 | 5.1 | 47 | 8.67 |

south of 51° there was a further increase of $1^{\circ}3$, but at stations north of 52° , the mean temperature of July and August was nearly the same; from August to September there was a decrease of temperature nearly the same at all stations to the mean value of $4^{\circ}7$.

About London the mean daily pressure of the atmosphere till July 3rd was above the average by 0.12 in.; from the 4th to the 18th it was below by 0.33 in.; then for three days it was above by 0.11 in.; it was four days 0.15 in. below; from July 26th to August 11th, it was above the average by 0.29 in., and for the 23 days ending September 3rd, there was an average daily deficiency of 0.24 in. this was followed by six days of an excess of pressure averaging 0.18 in. daily, and then to the end of the quarter there was a daily deficiency of 0.22 in.

The mean reading of the barometer for the month of July at the height of 159 feet above the sea was 29.700 in., being 0.099 in. below the average of 41 years; it was 0.125 in. below that of 1881; and 0.027 in. below that of 1880.

The mean reading of the barometer in August was 29.740 in. being 0.042 in. below the average in 41 years; it was 0.064 in. above that of 1881, and 0.078 in. below that of 1880.

The mean reading of the barometer in September was 29.689 in. being 0.117 in. below the average of 41 years; it was 0.114 in. below that of 1881, and 0.118 in. below that of 1880.

| 1882. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|--|--|-------|--|-------|--|-------|--|-------|---|-----|------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 41 years. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | | |
| | Mean. | Diff. from ave- rage of 41 years. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | | |
| July - | 69.4 | -1.2 | -1.8 | 56.6 | -1.2 | 53.2 | -0.8 | 18.6 | -2.4 | .466 | -0.013 | 4.5 | -0.3 |
| Aug. - | 69.6 | -1.3 | -1.9 | 56.3 | -1.2 | 53.4 | -0.6 | 18.8 | -0.9 | .409 | -0.011 | 4.6 | -0.1 |
| Sept. - | 64.3 | -2.2 | -2.8 | 52.0 | -2.0 | 49.8 | -1.3 | 17.4 | -0.9 | .358 | -0.022 | 4.0 | -0.4 |
| Means - | 58.1 | -1.6 | -2.2 | 55.0 | -1.5 | 52.1 | -0.9 | 18.3 | -1.4 | .391 | -0.019 | 4.4 | -0.3 |

| 1882. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|--|--|-----------------|
| | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Amount. | Diff. from ave- rage of 41 years. | | Number of Nights it was | | Low- est Reading at Night. | Hig- est Reading at Night. | |
| | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Amount. | Diff. from ave- rage of 41 years. | | At or below 30°. | Be- tween 30° and 40°. | | | Above 40°. |
| | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Amount. | Diff. from ave- rage of 41 years. | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| July - | 78 | + 3 | 29.700 | -0.099 | 528 | 0 | 2.45 | -0.11 | 293 | 0 | 1 | 30 | 56.9 | 74.9 |
| Aug. - | 80 | + 3 | 29.740 | -0.042 | 529 | + 1 | 1.16 | -1.29 | 303 | 0 | 7 | 24 | 53.0 | 55.8 |
| Sept. - | 83 | + 4 | 29.687 | -0.117 | 534 | + 1 | 2.40 | -0.01 | 228 | 1 | 21 | 8 | 29.0 | 52.1 |
| Means - | 81 | + 3 | 29.709 | -0.086 | 530 | + 1 | Sum 6.01 | Sum -1.41 | Mean 824 | Sum 1 | Sum 29 | Sum 62 | Lowest 29.0 | Highest 55.8 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follow:—

| Direction of Wind. | JUNE. | | | AUGUST. | | | SEPTEMBER. | | |
|-----------------------|-------|----------|-------------------------------|---------|----------|-------------------------------|------------|----------|-------------------------------|
| | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. |
| N.W. | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N. | 1½ | 2½ | -1½ | 4½ | 2½ | +2 | 6 | 2 | +4 |
| N.E. | 1 | 3½ | -2½ | 4½ | 3½ | +1 | 3½ | 4½ | -1 |
| E. | 0 | 3½ | -3½ | 3½ | 3½ | -3½ | 3 | 5½ | -2½ |
| S.E. | 0 | 1½ | -1½ | 3 | 1½ | +1½ | 3½ | 2½ | +1 |
| S. | 0 | 1 | -1 | ½ | 1½ | -1½ | 1½ | 2 | -½ |
| S.W. | 8 | 3 | +5 | 1½ | 3½ | -2½ | 5 | 3 | +2 |
| W. | 13½ | 11 | +2½ | 10 | 10½ | -½ | 6 | 8 | -2 |
| | 7½ | 4½ | +3 | 7½ | 4½ | +3 | 1½ | 3 | -1½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of July are opposite to S., S.W. and W.; in August to N.W. and W.; and in September to N. and S.

The minus sign (-) denotes deficiencies below averages. In July the largest numbers are opposite to N. and N.E.; in August to N.E. and S.; and in September to N.E. and S.W.

The atmospheric pressure in July was 0.035 in. below that of June, that in August was 0.040 in. above that of July, and that in September was 0.053 in. lower than in August.

(From the preceding 41 years observations the mean pressure in July is 0.007 in. below that in June; in August is 0.017 in. below that in July, and September is 0.022 in. above that in August.)

From June to July there was a decrease of pressure, at all stations; at those south of 51° and north 53° , of 0.07 in., and of 0.04 in. at those between these parallels; from July to August there was an increase of 0.09 in. south of 51° and north of 53° , and of 0.05 between 51° and 53° ; and from August to September there was a decrease of 0.08 in. at southern stations decreasing gradually to 0.01 in. at northern stations.

Thunderstorms occurred in July on the 7th at Royston, Somerleyton, and Lowestoft; on the 8th at Oxford, Royston, Cambridge, Wolverhampton, and Liverpool; on the 10th at Whitechurch, Oxford, Somerleyton, and Lowestoft; on the 24th at Royston, Lowestoft, and Cambridge; and on the 25th at Osborne, Salisbury, and Wolverhampton.

In August on the 12th at Plymouth, Totnes, Torquay, Osborne, Salisbury, Bath, Marlborough, and Wolverhampton; on the 13th at Bath, Liverpool, Llandudno, and Bradford; on the 14th at Halifax; on the 15th at Rugby; on the 19th at Somerleyton; and on the 25th and 30th at Cardington.

In September on the 1st at Plymouth; on the 2nd at Truro; on the 3rd at Leicester and Wolverhampton; on the 12th at Truro; on the 13th and 14th at Guernsey; on the 14th at Osborne and Bournemouth; on the 26th at Halifax and Bradford; and on the 27th at Bradford and Leeds.

Thunder was heard but lightning was not seen in July on the 1st at Wolverhampton; on the 2nd at Salisbury, Whitechurch, and Wolverhampton; on the 5th at Oxford; on the 6th at Somerleyton, Cambridge, and Liverpool; on the 7th at Barnet, Lowestoft, Cambridge, and Liverpool; on the 8th at Oxford, Somerleyton, and Cambridge; on the 9th at Somerleyton, Lowestoft, and Cambridge; on the 10th at Lowestoft and Wolverhampton; on the 11th at Oxford, and Cambridge; on the 12th at Cambridge; on the 24th at Salisbury, Strathfield Turgiss, Oxford, and Barnet; on the 25th at Oxford.

In August on the 9th at Rugby; on the 11th at Whitechurch; on the 13th at Somerleyton, Rugby, Bolton, and Carlisle; on the 14th at Somerleyton, Cambridge, Llandudno, and Carlisle; on the 25th at Rugby and Cambridge; and on the 30th at Somerleyton.

In September on the 11th at Strathfield Turgiss; on the 12th at Salisbury and Whitechurch; on the 14th at Torquay and Cambridge; and on the 27th at Burslem and Halifax.

Lightning was seen but thunder was not heard in July, on the 11th at Cambridge; and on the 30th at Whitechurch.

In August, on the 11th at Whitechurch; on the 12th at Torquay, Barnet, and Cambridge; on the 13th at Truro, Torquay and Whitechurch; on the 16th at Carlisle; on the 20th at Oxford; and on the 25th at Marlborough.

In September, on the 12th at Guernsey, Plymouth, Totness, Torquay, and Marlborough; on the 13th at Plymouth, Totnes, Torquay, Ventnor, Bournemouth, Strathfield Turgiss, Salisbury, Barnet, and Oxford; on the 14th at Plymouth, Totnes, Salisbury, Barnet, and Cambridge; on the 24th at Guernsey.

Solar halos were seen in July, on the 1st at Barnet; on the 12th, 19th, and 22nd at Oxford; and on the 7th and 31st at Bournemouth.

In August on the 13th at Oxford; and on the 30th at Torquay.

In September on the 6th at Strathfield Turgiss and Halifax; on the 8th, 10th, and 13th at Halifax; on the 17th at Torquay and Oxford; and on the 19th, 28th, and 29th at Torquay.

Lunar halos were seen in August on the 31st at Oxford.

In September, on the 25th at Oxford; on the 26th at Torquay and Oxford; on the 28th at Cambridge; and on the 29th at Oxford.

Hail fell in July on the 6th at Lowestoft; on the 7th at Royston and Lowestoft; on the 10th at Whitechurch and Oxford; on the 20th at Liverpool; and on the 25th at Osborne.

In August on the 13th and 24th at Llandudno, and on the 29th at Barnet.

In September on the 12th at Guernsey and Truro; on the 13th at Truro and Torquay; and on the 27th at Torquay.

Fog prevailed in July on the 1st, 2nd, and 28th at Guernsey, on the 29th at Guernsey, Strathfield Turgiss, Whitechurch, Oxford, and Cambridge; and on the 30th at Guernsey.

In August on the 1st at Bath, on the 8th at Marlborough and Bolton; on the 9th at Totnes and Bath; on the 10th at Bath; on the 11th at Cambridge; on the 12th at Torquay, Bath, Marlborough, and Cardington; on the 13th at Cambridge; on the 17th and 18th at Torquay; and on the 19th at Bath.

In September on the 1st at Torquay and Wolverhampton; on the 4th, 6th, and 7th at Leicester; on the 8th at Cambridge; on the 10th at Oxford, Royston, Cambridge, Leicester, and Wolverhampton; on the 11th at Cambridge and Bolton; on the 12th and 13th at Bolton; on the 14th at Oxford; on the 15th at Strathfield Turgiss, Oxford, Cambridge, Leicester, Wolverhampton, and Bolton; on the 16th at Oxford, Cambridge, and Leicester; on the 17th at Whitechurch, Oxford, and Cambridge; on the 19th at Whitechurch and Wolverhampton; on the 22nd at Bolton; on the 23rd, 25th, and 26th at Totnes; on the 26th at Cambridge; on the 27th at Wolverhampton; and on the 29th at Bolton.

| Year 1882. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | | | Temperature of Air in Month. | | | Mean Temperature. | | Mean Degree of Humi- dity, Sat ⁿ = 100. | Mean Weight of a cubic foot of Air. | Mean Reading of Thermometer. | | Estimated Strength. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | |
|---------------|---|---|---------------------------|--------|----------|---------|--------|------------------------------|----------------|--------------|-------------------|------------|--|--|---------------------------------|----------------------------|------------------------|-------------------------|----|----|--------------------------|--------------------------|----------------------------|-------|------|------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Daily Range. | Air. | Dew Point. | | | Elastic Force. | In a cubic foot of Air. | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Mean. | | Short of Saturation. | | | | | | | | |
| Months. | feet. | | In. | in. | ° | ° | ° | ° | ° | ° | in. | grs. | grs. | ° | ° | ° | ° | ° | N. | S. | W. | | | | | |
| July | 295 | GUERNSEY | 11.57 | 68.2 | 59.6 | 17.6 | 65.8 | 35.9 | 10.9 | 68.0 | 53.7 | 41.2 | 0.8 | 85 | 529 | 118.4 | 49.4 | 1.0 | 4 | 1 | 10 | 16 | 3.2 | 5.2 | 19 | 2.82 |
| Aug. | 297.51 | ADOLPHUS COLLENETTE, Esq., F.M.S. | 12.02 | 78.8 | 51.0 | 27.5 | 69.0 | 35.9 | 10.8 | 65.1 | 51.1 | 37.7 | 4.6 | 84 | 529 | 118.1 | 47.9 | 1.2 | 5 | 3 | 2 | 21 | 3.2 | 5.5 | 19 | 3.45 |
| Sept. | 297.369 | | 12.59 | 85.9 | 51.2 | 25.0 | 69.0 | 31.2 | 10.8 | 65.0 | 41.1 | 37.7 | 4.2 | 84 | 531 | 109.3 | 49.8 | 0.7 | 11 | 3 | 3 | 6 | 2.7 | 6.6 | 19 | 3.94 |
| July | 297.782 | TRURO (Cornwall). | 11.59 | 73.0 | 47.0 | 31.0 | 67.2 | 35.0 | 14.2 | 57.6 | 52.1 | 38.5 | 4.3 | 82 | 532 | — | — | 2.7 | 0 | 8 | 18 | 7.0 | 7.0 | 19 | 4.15 | |
| Aug. | 297.682 | C. BARNHAM, Esq., M.D., F.M.S., C. BARNHAM, Esq., M.D., F.M.S., | 12.00 | 78.0 | 47.0 | 31.0 | 68.7 | 35.0 | 14.2 | 57.6 | 52.1 | 38.5 | 4.3 | 81 | 533 | — | — | 2.4 | 0 | 8 | 18 | 7.0 | 7.0 | 19 | 4.15 | |
| Sept. | 297.815 | | 12.05 | 78.0 | 47.0 | 31.0 | 68.7 | 35.0 | 14.2 | 57.6 | 52.1 | 38.5 | 4.3 | 81 | 533 | — | — | 2.4 | 0 | 8 | 18 | 7.0 | 7.0 | 19 | 4.15 | |
| July | 297.738 | PLYMOUTH (Devon). | 11.10 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 2.5 | 0 | 6 | 10 | — | 6.8 | 13 | 2.66 | |
| Aug. | 297.738 | J. MERRIFIELD, Esq., LL.D., J. MERRIFIELD, Esq., LL.D., | 11.10 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 2.5 | 0 | 6 | 10 | — | 6.8 | 13 | 2.66 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 2.5 | 0 | 6 | 10 | — | 6.8 | 13 | 2.66 | |
| July | 297.738 | TORNES (Devon). | 11.10 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | T. H. EDMONDS, Esq. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | TORQUAY, Babbacombe (Devon), Edwin E. Glynne, Esq., F.M.S., | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | EASTBOURNE (Sussex), Miss W. L. HALL. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | OSBORNE (Isle of Wight), J. R. MANS, Esq. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | SOUTHBORNE ON SEA (Hants), T. A. COMPTON, Esq., M.D., B.A., F.M.S. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | SALISBURY (Wilton House), Wiles, THOMAS CHALLIS, Esq. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| July | 297.738 | STRATHFIELD TURGIS (Hants), REV. C. H. GAFFIELD, M.A., F.M.S. | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Aug. | 297.738 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |
| Sept. | 297.801 | | 11.51 | 72.0 | 46.8 | 30.7 | 67.8 | 34.7 | 16.0 | 54.2 | 49.4 | 38.3 | 4.0 | 84 | 534 | — | — | 1.2 | 3 | 2 | 22 | 4 | 7.0 | 18 | 3.79 | |

[illegible]

| Year 1882. | Month. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | | Rain. in. | | | | | | | | |
|---|--------|----------------------------------|--------|-------|------------------------------|---------|--------|-------------------|----------------|------------------------------|--------------|------------|--------|----------------------|-----------------------|--------|--------------|-------|----------|---------|--------|-----------------|----------------|-------|--------------|
| | | Mean. | Range. | Inch. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Mean. | Daily Range. | Direction. | Force. | Mean Amount of Rain. | | | | | | | | | | | |
| | | | | | | | | | | | | | | | Mean. | Range. | | Inch. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Mean. | Daily Range. |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| feet. | 50 | 500 | 238 | 183 | 39 | 187 | 197 | 500 | 530 | 12 | 593 | 137 | 114 | | | | | | | | | | | | |
| NAMES OF STATIONS AND OBSERVERS. | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STREWARD, F.M.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| WOLVERHAMPTON (Staffordshire), W. WROTESLEY, E. SIMPSON, Esq. | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEICESTER (Town Museum), J. C. SMITH, Esq. | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOTTINGHAM (Notts), NOTTINGHAM, Esq., C. E. F. G. S., F.M.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLKHAM (Norfolk), JOHN DAVIDSON, Esq., Assistant to the Earl of Leicester. | | | | | | | | | | | | | | | | | | | | | | | | | |
| LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | | | | | | | | | | | | | | | | | | | | | | | | | |
| LIVERPOOL, The Observatory, JOHN HARRING, Esq., F.R.A.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOLTON, Sharples (Lancashire), REV. F. MAGRETH, F.R.A.S., F.M.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| HALLIFAX, Burnside Observatory (Yorkshire), E. J. CROSSLEY, Esq., F.R.A.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| HULL (Yorkshire), The People's Park, N. E. FEAR. | | | | | | | | | | | | | | | | | | | | | | | | | |
| STONTHURST (Lancashire), Rev. S. J. PERRY, F.R.S., F.M.S., F.R.A.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRADFORD (Yorkshire), J. McLEANSBOROUGH, Esq., C.E., F.G.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| AEDS (Yorkshire), The Philosophical Hall, HENRY CROWTHER, Esq. | | | | | | | | | | | | | | | | | | | | | | | | | |
| LANCASTER (Southfields), WILLIAM ROGER, Esq. | | | | | | | | | | | | | | | | | | | | | | | | | |

| Year. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | | Mean Degree of Humidity, Sat. = 100. | Mean Weight of a cubic foot of Air. | Mean of Readings of Thermometer. | | Wind. | | | | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | Rain. | |
|---|----------------------------------|--------|------------------------------|---------|--------|-----------------|-------------------|-------|-------------------------|----------------------|-------------------------|--------------------------------------|-------------------------------------|----------------------------------|---------------------|------------------------|------|-------|-----|-----------------------|-------------------------|-------------------|-------|--|
| | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | In a cubic foot of Air. | Short of Sat. = 100. | Maximum in Rays of Sun. | | | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | N. | E. | S. W. | | | | | | |
| Months. | | | | | | | | | | | | | | | | | | | | | | | | |
| 1882. | | | | | | | | | | | | | | | | | | | | | | | | |
| Height of Station above Sea Level. | | | | | | | | | | | | | | | | | | | | | | | | |
| feet. | | | | | | | | | | | | | | | | | | | | | | | | |
| SILLOTH, (Cumberland), "The Rectory," Rev. F. REDFORD, M.A., F.R.A.S., F.M.S. | July | 29-710 | 1-250 | 79-1 | 46-7 | 22-4 | 65-0 | 53-5 | 13-5 | 1-1 | 82 | 139-6 | 69-2 | 1-4 | 1 | 2 | 8 | 93 | 6-5 | 6-9 | 24 | 576 | | |
| | Aug. | 29-750 | 1-156 | 75-3 | 38-0 | 37-3 | 65-7 | 51-0 | 15-7 | 50-6 | 79 | 133-4 | 48-7 | 1-1 | 1 | 3 | 7 | 9 | 7-1 | 5-6 | 14 | 576 | | |
| | Sept. | 29-730 | 1-319 | 73-3 | 36-0 | 31-3 | 61-6 | 45-1 | 15-5 | 53-0 | 45-8 | 131-0 | 43-4 | 1-1 | 1 | 3 | 7 | 9 | 7-1 | 5-6 | 14 | 576 | | |
| CARLISLE, Spital (Cumberland), ISAAC CARTMEL, Esq., F.M.S. | July | 29-601 | 1-255 | 76-8 | 44-0 | 32-8 | 69-0 | 50-2 | 18-8 | 57-8 | 53-3 | 102-9 | 44-0 | 0-8 | 1 | 3 | 8 | 9 | 12 | 4-3 | 7-8 | 25 | 456 | |
| | Aug. | 29-683 | 1-123 | 77-8 | 36-8 | 31-5 | 63-8 | 49-4 | 17-9 | 57-8 | 50-6 | 96-8 | 4-1 | 1-2 | 77 | 631 | 37-5 | 43-1 | 3-8 | 7-7 | 25 | 356 | | |
| | Sept. | 29-697 | 1-202 | 70-2 | 33-5 | 26-7 | 62-9 | 45-1 | 17-8 | 53-2 | 46-8 | 92-7 | 37-3 | 0-4 | 1 | 3 | 6 | 10 | 3-3 | 6-1 | 14 | 1-88 | | |

Second Rain-gauges are placed—

At Eastbourne, at the head of the beachy Head.

" *Oxley* " "

" *acutus* " "

Oxford,
Nottingham,

Holkham,

10

10

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the sea. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the New Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | | |
|---------------------|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|-----|----|----|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------|----|
| | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | Amount collected. | |
| | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | |
| Guernsey | 29.537 78.0 | 41.5 | 36.5 | 54.3 | 53.4 | 33.4 | 10.8 | 37.8 | 53.1 | 404 | 4.5 | 0.9 | 84 | 530 | 115.2 | 40.0 | 1.0 | 7 | 2 | 6 | 16 | 3.0 | 5.8 | 57 | 10.21 | |
| Truro | 29.492 78.0 | 35.0 | 43.0 | 66.0 | 51.8 | 33.0 | 14.8 | 56.0 | 51.0 | 381 | 4.3 | 1.0 | 82 | 537 | 115.2 | 40.0 | 1.0 | 8 | 3 | 7 | 15 | 3.0 | 5.8 | 47 | 11.33 | |
| Plymouth | 29.489 78.1 | 37.8 | 40.3 | 65.3 | 52.5 | 28.3 | 12.9 | 57.7 | 53.0 | 404 | 4.5 | 0.9 | 84 | 533 | 115.2 | 40.0 | 1.0 | 6 | 4 | 11 | 10 | 3.0 | 5.8 | 49 | 10.69 | |
| Totnes | 29.556 80.2 | 30.4 | 49.8 | 66.4 | 49.4 | 36.1 | 16.9 | 57.3 | 50.3 | 366 | 4.2 | 1.2 | 80 | 534 | 115.2 | 40.0 | 1.0 | 8 | 4 | 13 | 11 | 3.0 | 5.8 | 51 | 12.37 | |
| Torquay | 29.544 78.2 | 36.0 | 41.3 | 63.0 | 51.1 | 28.7 | 13.9 | 57.1 | 50.5 | 368 | 4.2 | 1.1 | 78 | 529 | 122.4 | 44.3 | 1.0 | 6 | 4 | 7 | 14 | 4.0 | 5.7 | 47 | 9.82 | |
| Ventnor | 29.472 77.2 | 44.2 | 33.0 | 68.0 | 54.1 | 25.0 | 11.9 | 58.4 | 53.7 | 414 | 4.6 | 0.9 | 85 | 532 | 115.2 | 40.0 | 1.0 | 6 | 4 | 5 | 15 | 5.8 | 6.6 | 44 | 7.47 | |
| Eastbourne | 29.436 75.9 | 46.0 | 39.9 | 66.8 | 52.3 | 27.1 | 14.5 | 58.5 | 52.8 | 402 | 4.5 | 1.0 | 79 | 532 | 115.8 | 48.7 | 0.9 | 6 | 3 | 7 | 15 | 1.5 | — | 42 | 8.55 | |
| Osborne | 29.460 84.9 | 39.3 | 45.0 | 68.0 | 51.9 | 32.0 | 16.7 | 58.6 | 55.8 | 438 | 5.0 | 0.6 | 80 | 530 | 119.6 | 48.7 | 1.0 | 5 | 3 | 7 | 12 | — | — | 5.6 | 4.3 | |
| Southbourne | 29.510 79.6 | 35.0 | 44.0 | 63.1 | 51.2 | 30.3 | 13.8 | 57.9 | 51.1 | 375 | 4.2 | 1.1 | 79 | 533 | 115.2 | 40.0 | 1.0 | 7 | 4 | 7 | 12 | — | — | 5.8 | 4.5 | |
| Salisbury | 29.502 82.0 | 30.0 | 52.0 | 69.1 | 46.5 | 38.0 | 22.6 | 57.0 | 48.2 | 386 | 4.3 | 1.0 | 82 | 532 | 112.4 | 43.5 | 1.0 | 10 | 3 | 7 | 11 | — | — | 5.7 | 8.04 | |
| Barnstaple | 29.469 82.0 | 38.0 | 46.0 | 67.5 | 54.5 | 30.3 | 12.7 | 59.5 | 54.2 | 422 | 4.7 | 1.0 | 82 | 531 | 115.2 | 40.0 | 1.0 | 5 | 3 | 9 | 14 | — | — | 3.6 | 5.3 | |
| Bath | 29.509 72.4 | 37.7 | 35.5 | 62.2 | 50.9 | 29.0 | 12.7 | 55.4 | 50.5 | 369 | 4.1 | 0.9 | 83 | 525 | 115.2 | 40.0 | 1.0 | 7 | 3 | 8 | 13 | — | — | 4.6 | 6.3 | |
| Strathfield Turgiss | 29.511 83.2 | 32.7 | 50.5 | 68.2 | 48.4 | 39.2 | 19.8 | 58.0 | 51.4 | 378 | 4.3 | 1.2 | 79 | 530 | 116.4 | 42.2 | 1.0 | 5 | 4 | 8 | 14 | 2.2 | — | 5.4 | 11.86 | |
| Marlborough | 29.496 78.7 | 33.7 | 45.0 | 65.5 | 48.7 | 32.5 | 16.4 | 56.0 | 50.7 | 364 | 4.1 | 1.0 | 81 | 531 | 116.4 | 42.2 | 1.0 | 5 | 4 | 8 | 11 | — | — | 6.3 | — | |
| Whitechurch | 29.512 89.1 | 34.3 | 45.8 | 68.3 | 47.5 | 36.3 | 30.8 | 57.4 | 51.4 | 387 | 4.3 | 1.0 | 81 | 532 | 115.2 | 40.0 | 1.0 | 6 | 7 | 5 | 8 | 12 | — | — | 6.3 | 47 |
| Blackheath | 29.503 81.0 | 37.5 | 43.3 | 67.6 | 51.8 | 32.2 | 15.8 | 58.3 | 50.9 | 376 | 4.2 | 1.2 | 77 | 531 | 113.1 | 46.8 | 1.0 | 5 | 3 | 10 | 12 | — | — | 5.7 | 49 | |
| Royal Observatory | 29.489 81.0 | 37.7 | 44.3 | 68.4 | 50.8 | 34.8 | 18.3 | 58.1 | 52.1 | 391 | 4.4 | 1.0 | 81 | 530 | 121.9 | 49.5 | 1.0 | 5 | 3 | 11 | 11 | — | — | 4.6 | 6.3 | |
| Camden Square | 29.509 80.8 | 37.8 | 43.0 | 68.9 | 51.0 | 33.5 | 17.9 | 58.6 | 50.6 | 370 | 4.1 | 1.2 | 75 | 531 | 109.3 | 47.5 | 1.0 | 10 | 3 | 6 | 11 | — | — | 6.2 | 39 | |
| Barnet | 29.531 79.5 | 32.5 | 47.0 | 67.7 | 47.7 | 38.4 | 20.0 | 56.6 | 50.8 | 373 | 4.1 | 1.0 | 81 | 532 | 123.4 | 40.5 | 1.0 | 9 | 5 | 5 | 12 | — | — | 6.6 | 38 | |
| Oxford | 29.579 78.7 | 35.7 | 42.0 | 66.3 | 51.0 | 30.1 | 15.4 | 58.2 | 52.8 | 392 | 4.4 | 1.1 | 80 | 529 | 116.7 | 45.5 | 2.0 | 5 | 4 | 12 | 10 | 1.0 | 6.3 | 43 | 6.51 | |
| Royston | 29.522 82.1 | 36.0 | 46.1 | 67.4 | 49.5 | 36.2 | 17.9 | 56.9 | 51.0 | 374 | 4.2 | 1.0 | 80 | 531 | 115.2 | 40.0 | 1.0 | 7 | 3 | 8 | 13 | — | — | 6.5 | 36 | |
| Bedford | 29.434 79.0 | 34.0 | 45.0 | 68.3 | 48.8 | 36.4 | 19.5 | 57.9 | 52.0 | 403 | 4.5 | 1.0 | 83 | 531 | 102.3 | 45.9 | 1.0 | 7 | 3 | 8 | 13 | — | — | 6.6 | 48 | |
| Cambridge | 29.452 88.0 | 33.5 | 52.5 | 67.0 | 49.4 | 40.8 | 21.4 | 58.5 | 52.1 | 391 | 4.4 | 1.1 | 80 | 532 | 133.1 | 42.8 | 1.0 | 8 | 4 | 10 | 8 | — | — | 6.3 | 48 | |
| Lowestoft | 29.481 76.4 | 40.9 | 35.5 | 65.0 | 51.2 | 31.2 | 13.8 | 57.7 | 50.7 | 363 | 4.1 | 1.2 | 78 | 532 | 111.1 | 47.9 | 0.5 | 4 | 4 | 7 | 15 | — | — | 6.6 | 41 | |
| Somerleyton | 29.566 74.0 | 41.0 | 33.0 | 65.7 | 50.7 | 31.0 | 15.0 | 56.9 | 51.1 | 380 | 4.2 | 1.0 | 81 | 533 | 115.2 | 40.0 | 1.0 | 6 | 5 | 8 | 13 | 6.1 | 5.8 | 42 | 7.04 | |
| Wolverhampton | 29.521 78.6 | 38.5 | 42.1 | 64.2 | 48.8 | 30.8 | 15.4 | 55.0 | 48.8 | 348 | 3.9 | 1.0 | 80 | 527 | 115.2 | 40.0 | 1.0 | 6 | 4 | 13 | 8 | — | — | 6.7 | 50 | |
| Letchworth | 29.484 79.0 | 34.0 | 45.0 | 66.8 | 50.1 | 33.3 | 16.7 | 57.3 | 50.0 | 361 | 4.0 | 1.1 | 77 | 530 | 115.4 | 41.1 | 0.7 | 5 | 4 | 9 | 13 | — | — | 6.5 | 57 | |
| Nottingham | 29.460 77.6 | 32.5 | 44.1 | 67.7 | 49.0 | 33.8 | 18.7 | 57.0 | 50.0 | 369 | 4.1 | 1.1 | 79 | 531 | 108.2 | 47.6 | 0.5 | 5 | 5 | 10 | 10 | 1.0 | 6.5 | 64 | 6.35 | |
| Holkham | 29.415 76.5 | 32.0 | 44.5 | 65.5 | 46.4 | 37.8 | 19.1 | 56.2 | 52.9 | 405 | 4.5 | 0.6 | 88 | 534 | 122.8 | 38.8 | 1.4 | 11 | 2 | 13 | 5 | — | — | 6.4 | 42 | |
| Llandudno | 29.583 70.6 | 42.0 | 28.6 | 62.2 | 51.3 | 22.3 | 11.0 | 53.3 | 50.4 | 367 | 4.1 | 1.0 | 81 | 533 | 115.2 | 40.0 | 1.0 | 6 | 5 | 2 | 9 | 14 | — | — | 7.2 | 51 |
| Liverpool | 29.456 74.1 | 41.5 | 32.2 | 62.7 | 52.1 | 23.9 | 10.6 | 50.1 | 50.8 | 375 | 4.2 | 0.9 | 83 | 531 | 115.2 | 40.0 | 1.0 | 6 | 4 | 13 | 8 | — | — | 6.9 | 58 | |
| Bolton | 29.563 73.7 | 38.0 | 35.7 | 62.4 | 48.4 | 28.5 | 14.0 | 54.4 | 49.4 | 354 | 4.0 | 0.7 | 84 | 527 | 77.2 | 42.5 | 1.2 | 6 | 4 | 10 | 10 | 3.8 | 7.4 | 66 | 15.31 | |
| Halifax | 29.482 79.0 | 31.0 | 48.0 | 68.4 | 47.3 | 34.0 | 21.1 | 57.2 | 50.2 | 366 | 4.2 | 1.1 | 81 | 534 | 99.0 | 44.8 | 1.1 | 3 | 7 | 17 | 19 | — | — | 6.0 | 58 | |
| Hull | 29.446 76.5 | 34.9 | 41.6 | 65.2 | 50.8 | 29.2 | 14.4 | 53.6 | 51.4 | 381 | 4.2 | 0.7 | 80 | 528 | 120.1 | 46.8 | 1.0 | 3 | 2 | 7 | 19 | 1.7 | 6.2 | 52 | 6.76 | |
| Stonyhurst | 29.470 77.4 | 38.1 | 39.3 | 64.7 | 51.4 | 29.1 | 13.2 | 58.1 | 48.3 | 388 | 3.7 | 1.4 | 74 | 527 | 84.3 | — | 0.9 | 6 | 4 | 8 | 13 | — | — | 7.4 | 55 | |
| Bradford | 29.414 76.0 | 38.0 | 38.0 | 66.5 | 50.9 | 30.7 | 12.6 | 57.9 | 49.3 | 371 | 4.2 | 0.9 | 83 | 529 | — | — | 1.0 | 5 | 7 | 14 | — | — | 8.1 | 50 | | |
| Leeds | 29.440 75.0 | 39.0 | 36.0 | 66.3 | 49.5 | 30.3 | 14.1 | 55.7 | 49.2 | 349 | 3.9 | 1.2 | 79 | 533 | — | — | 1.2 | 5 | 4 | 7 | 17 | — | — | 5.6 | 12.21 | |
| Lancaster | 29.431 75.3 | 36.0 | 39.3 | 64.8 | 49.3 | 31.3 | 14.9 | 56.1 | 50.1 | 365 | 4.1 | 1.1 | 80 | 534 | 118.4 | 47.2 | 1.2 | 5 | 4 | 7 | 14 | 6.0 | 6.0 | 5.8 | 10.72 | |
| Silloth | 29.421 77.8 | 33.5 | 44.8 | 66.4 | 48.2 | 37.0 | 18.2 | 56.3 | 50.2 | 363 | 4.1 | 1.0 | 80 | 532 | 97.7 | 41.5 | 0.6 | 5 | 8 | 7 | 12 | 3.8 | 7.2 | 49 | 8.62 | |
| Carlisle | 29.421 77.8 | 33.5 | 44.8 | 66.4 | 48.2 | 37.0 | 18.2 | 56.3 | 50.2 | 363 | 4.1 | 1.0 | 80 | 532 | 97.7 | 41.5 | 0.6 | 5 | 8 | 7 | 12 | 3.8 | 7.2 | 49 | 8.62 | |

The highest temperatures of the air were at Cambridge, 86°; at Osborne, 84°; and at Strathfield Turgiss, 85°; and there were in August.

The lowest temperatures of the air were at Salisbury, 30°; at Totnes, 30°; and at Hull, 31°.

The greatest daily ranges of temperatures were at Salisbury, 29°; at Cambridge, 21°; and at Hull, 21°.

The least daily ranges of temperatures were at Liverpool, 10°; at Guernsey, 10°; at Llandudno, 11°; and at Ventnor, 11°.

The greatest number of days of rain were at Bolton 66; at Nottingham, 64; and at Liverpool and Bradford, 58.

The least number of days of rain were at Royston, 36; at Barnet, 38; and at Camden Square, 39.

The heaviest falls of rain in the quarter were at Stonyhurst, 16.34 inches; at Barnstaple, 15.55 inches; and at Bolton, 15.31 inches.

The least falls of rain in the quarter were at Royston, 4.73 inches; at Strathfield Turgiss, 5.86 inches; and at Cambridge, 5.90 inches.

ERRATA.—Quarter ending 30th June 1882, for the greatest daily ranges of temperature were, Rugby, 53°; at Nottingham and Carlisle, 52°; and at Salisbury and Gloucester, 49°; read Salisbury, 29°; and at Gloucester, 21°; and at Rugby, 21°.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the sea. | | | | | | | | | | | | | | | Mean of all Highest Readings of the Thermometer. | | | | Mean of all Lowest Readings of the Thermometer. | | | | Mean Range of Tempera- ture in the Quarter. | | | | Mean of all Highest. | | | | Mean of all Lowest. | | | | Mean Monthly Range of Temperature. | | | | Mean Daily Range of Temperature. | | | | Mean Temperature of the Air. | | | | Mean Temperature of the Dew Point. | | | | Mean Elastic Force of Vapour. | | | | Mean Weight of Vapour in a cubic foot of Air. | | | | Mean additional Weight required for saturation. | | | | Mean degree of Humidity. | | | | Mean Weight of a cubic foot of Air. | | | | Mean Reading of Max- imum in Rays of Sun. | | | | Mean Reading of Min- imum on Grass. | | | | Mean Estimated Strength. | | | | WIND. | | | | Relative Pro- portion of | | | | Rain. | | | |
|--|---|---|---|--------|-----------------------|------|------|------|---------------------------------|------|------|------|-----------------------------|------|-----|---|----------------------|-----|-------|--|---------------------|-----|---|--|---------------------------------------|-----|-----|----------------------|-------------------------------------|-------|--|---------------------|---------------------------------|--|--|---------------------------------------|---------------------------------------|--|--|-------------------------------------|----------------------------------|--|--|---------------------------------|--|--|--|---------------------------------------|--|--|--|----------------------------------|--------------------------|--|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|-----------------------------|--|--|--|-------------|--|--|--|-----------------------|--|--|-----------------------------|-----------------------|--|--|-------|---------------------------------|--|--|-----------------------------|-----------------------------|--|--|-------|--|--|--|
| | Mean Amount of Ozone. | | | | Mean Amount of Cloud. | | | | Mean Number of Days it fell. | | | | Mean Amount col- lected. | | | | Mean of all Highest. | | | | Mean of all Lowest. | | | | Mean Monthly Range of Temperature. | | | | Mean Daily Range of Temperature. | | | | Mean Temperature of the Air. | | | | Mean Temperature of the Dew Point. | | | | Mean Elastic Force of Vapour. | | | | Mean Weight of Vapour in a cubic foot of Air. | | | | Mean additional Weight required for saturation. | | | | Mean degree of Humidity. | | | | Mean Weight of a cubic foot of Air. | | | | Mean Reading of Max- imum in Rays of Sun. | | | | Mean Reading of Min- imum on Grass. | | | | Mean Estimated Strength. | | | | N. E. S. W. | | | | Mean Amount of Ozone. | | | | Mean Amount of Cloud. | | | | Mean Number of Days it fell. | | | | Mean Amount col- lected. | | | | | | |
| | Mean Amount of Ozone. | | | | Mean Amount of Cloud. | | | | Mean Number of Days it fell. | | | | Mean Amount col- lected. | | | | Mean of all Highest. | | | | Mean of all Lowest. | | | | Mean Monthly Range of Temperature. | | | | Mean Daily Range of Temperature. | | | | Mean Temperature of the Air. | | | | Mean Temperature of the Dew Point. | | | | Mean Elastic Force of Vapour. | | | | Mean Weight of Vapour in a cubic foot of Air. | | | | Mean additional Weight required for saturation. | | | | Mean degree of Humidity. | | | | Mean Weight of a cubic foot of Air. | | | | Mean Reading of Max- imum in Rays of Sun. | | | | Mean Reading of Min- imum on Grass. | | | | Mean Estimated Strength. | | | | N. E. S. W. | | | | Mean Amount of Ozone. | | | | Mean Amount of Cloud. | | | | Mean Number of Days it fell. | | | | Mean Amount col- lected. | | | | | | |
| Guernsey | - | - | - | in. | 537 | 78.0 | 41.5 | 36.5 | 54.3 | 53.4 | 33.4 | 10.8 | 37.8 | 53.1 | 404 | 4.5 | 0.9 | 84 | 530 | 115.2 | 40.0 | 1.0 | 7 | 2 | 6 | 16 | 3.0 | 5.8 | 57 | 10.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Between the latitudes | 50° | - | - | 29.492 | 78.0 | 35.0 | 43.0 | 66.0 | 51.8 | 33.0 | 14.8 | 56.0 | 51.0 | 381 | 4.3 | 1.0 | 82 | 537 | 115.2 | 40.0 | 1.0 | 8 | 3 | 7 | 15 | 3.0 | 5.8 | 47 | 11.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 51° | - | - | 29.509 | 80.2 | 30.4 | 49.8 | 66.4 | 49.4 | 36.1 | 16.9 | 57.3 | 50.3 | 366 | 4.2 | 1.2 | 80 | 534 | 115.2 | 40.0 | 1.0 | 8 | 4 | 13 | 11 | 3.0 | 5.8 | 51 | 12.37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 52° | - | - | 29.489 | 78.1 | 37.8 | 40.3 | 65.3 | 52.5 | 28.3 | 12.9 | 57.7 | 53.0 | 404 | 4.5 | 0.9 | 84 | 533 | 115.2 | 40.0 | 1.0 | 6 | 4 | 11 | 10 | 3.0 | 5.8 | 49 | 10.69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 53° | - | - | 29.556 | 80.2 | 30.4 | 49.8 | 66.4 | 49.4 | 36.1 | 16.9 | 57.3 | 50.3 | 366 | 4.2 | 1.2 | 80 | 534 | 115.2 | 40.0 | 1.0 | 8 | 4 | 13 | 11 | 3.0 | 5.8 | 51 | 12.37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54° | - | - | - | 29.544 | 78.2 | 36.0 | 41.3 | 65.0 | 51.1 | 33.0 | 14.8 | 56.0 | 51.0 | 381 | 4.3 | 1.0 | 82 | 537 | 115.2 | 40.0 | 1.0 | 8 | 3 | 7 | 15 | 3.0 | 5.8 | 47 | 11.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | - | - | - | 29.521 | 82.7 | 41.9 | 40.8 | 68.3 | 52.9 | 34.3 | 15.6 | 59.5 | 54.1 | 420 | 4.7 | 1.0 | 83 | 530 | 115.2 | 48.5 | 1.0 | 6 | 4 | 7 | 14 | 2.7 | 6.3 | 48 | 9.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean for the Quarter, 50° to 55° | Year 1879 | - | - | 29.463 | 77.2 | 37.1 | 40.1 | 64.7 | 50.8 | 31.6 | 13.9 | 56.5 | 51.4 | 383 | 4.3 | 0.8 | 84 | 531 | 102.0 | 46.0 | 1.0 | 5 | 5 | 8 | 13 | 4.5 | 6.8 | 56 | 12.44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " 1880 | - | - | 29.524 | 82.7 | 41.9 | 40.8 | 68.3 | 52.9 | 34.3 | 15.6 | 59.5 | 54.1 | 420 | 4.7 | 1.0 | 83 | 530 | 115.2 | 48.5 | 1.0 | 6 | 4 | 7 | 14 | 2.7 | 6.3 | 48 | 9.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " 1881 | - | - | 29.533 | 84.1 | 39.1 | 46.4 | 65.5 | 50.7 | 32.7 | 15.5 | 58.7 | 54.4 | 376 | 4.3 | 1.0 | 81 | 532 | 108.4 | 45.0 | 1.0 | 6 | 4 | 7 | 14 | 2.7 | 6.3 | 48 | 9.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " 1882 | - | - | 29.480 | 78.3 | 38.1 | 42.2 | 66.6 | 50.9 | 32.9 | 16.4 | 56.9 | 50.9 | 375 | 4.3 | 1.0 | 81 | 531 | 103.1 | 45.0 | 1.2 | 5 | 5 | 8 | 13 | 4.5 | 6.8 | 56 | 12.44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

The atmospheric pressure in October was 0.031 in. below that in September; that in November was 0.124 in. below that in October, and that in December was 0.039 in. below that in November.

(From the preceding 41 years observations the mean pressure in October is 0.095 in. below that in September; that in November 0.040 in. above that in October, and that in December 0.046 in. above that in November.)

From September to October there was a decrease of pressure at all stations of 0.054 in. at those south of 51°; of 0.038 in. between 51° and 52°; and of 0.020 in. at stations north of 52°; from October to November there was a decrease of 0.041 in. at southern stations, increasing gradually to 0.230 in. at northern stations; from November to December there was a decrease of 0.087 in. at stations south of 51°; of 0.049 in. at those between 51° and 52°; of 0.023 in. at those between 53° and 54°; between 53° and 54°, the readings in December were nearly the same as those in November; and north of 54° the readings in December were higher by 0.029 in. than in November.

| 1882. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|---|--|-------|--|-------|--|-------|--|-------|---|-----|------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 111 years. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | | |
| | | | | | | | | | | | | | |
| Oct. - | 50.8 | +1.3 | +0.8 | 49.2 | +1.2 | 47.5 | +1.6 | 12.9 | -1.8 | .330 | +0.019 | 3.8 | +0.1 |
| Nov. - | 43.5 | +1.2 | 0.0 | 41.2 | -0.1 | 33.6 | -0.8 | 10.3 | -1.2 | .234 | -0.012 | 2.7 | -0.1 |
| Dec. - | 40.1 | +1.0 | +0.2 | 39.0 | +0.5 | 37.6 | +1.0 | 8.4 | -1.0 | .225 | +0.006 | 2.6 | 0.0 |
| Means - | 44.8 | +1.2 | +0.3 | 43.1 | +0.5 | 41.2 | +0.5 | 10.5 | -1.3 | .263 | +0.004 | 3.0 | 0.0 |

| 1882. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Mean. | Diff. from ave- rage of 41 years. | Amount. | Diff. from ave- rage of 66 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| Oct. - | 88 | + 2 | in. 29.556 | -0.053 | grs. 538 | - 2 | 5.42 | +2.62 | Miles. 269 | 3 | 14 | 14 | o 27.0 | o 54.2 |
| Nov. - | 88 | - 2 | 29.532 | -0.217 | 544 | - 4 | 2.19 | -0.15 | 449 | 13 | 10 | 7 | 18.2 | 47.1 |
| Dec. - | 91 | + 3 | 29.493 | -0.302 | 547 | - 5 | 1.78 | -0.22 | 288 | 14 | 10 | 7 | 20.3 | 48.1 |
| Means - | 88 | + 1 | 29.500 | -0.191 | 543 | - 4 | Sum 9.39 | Sum +2.25 | Mean 335 | Sum 30 | Sum 34 | Sum 28 | Lowest 18.2 | Highest 54.2 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follow:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|-----------|----------|-------------------------|
| | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. | 1882. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 1½ | 2½ | -1 | 5½ | 2½ | +3 | 4 | 2½ | +1½ |
| N. | 2½ | 3½ | -1 | 1½ | 4½ | -2½ | 1½ | 3 | -1½ |
| N.E. | 2½ | 3 | -½ | 1 | 4 | -3 | 1½ | 2½ | -1 |
| E. | 6 | 1½ | +4½ | 1½ | 2½ | -1 | 3½ | 2 | +1½ |
| S.E. | 2½ | 2 | +½ | 2 | -1½ | -3½ | 4½ | 2 | +2½ |
| S. | 4 | 4 | 0 | 4 | -3½ | -3½ | 3½ | 3½ | 0 |
| S.W. | 7½ | 10 | -2½ | 5½ | 8½ | -2½ | 8 | 11 | -3 |
| W. | 5½ | 4½ | +1 | 13½ | 2½ | +10½ | 4½ | 4½ | 0 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of October are opposite to E. and W.; in November to W. and N.W.; and in December to S.E., E., and N.W.

The minus sign (-) denotes deficiencies below averages. In October the largest numbers are opposite to S.W., N.W. and N.; in November to S. and N.E.; and in December to S.W. and N.

Thunderstorms occurred in October on the 2nd at Sillith; on the 8th at Torquay, Royston, Cambridge, and Halifax; and on the 24th at Llandudno, and Salisbury.

In November on the 2nd at Sillith; on the 4th at Stonyhurst; on the 7th at Sillith; on the 8th at Burslem, Wolverhampton, Halifax, Stonyhurst, Bradford, and Sillith; on the 9th at Bradford; on the 16th at Torquay; on the 19th at Guernsey; on the 25th at Bolton; on the 26th at Halifax; and on the 27th at Wolverhampton; and none in December.

Thunder was heard but lightning was not seen in October on the 8th at Salisbury and Hull.

In November on the 3rd and 4th at Carlisle; and on the 9th at Rugby.

Lightning was seen but thunder was not heard in October on the 7th at Osborne, Salisbury, Barnet, Oxford, Royston, and Cambridge; on the 8th at Torquay, Barnet, Oxford, and Lowestoft; on the 10th at Guernsey and Cambridge; on the 13th at Royston; on the 22nd at Guernsey, Bolton, Llandudno, and Stonyhurst; and on the 23rd at Bolton.

In November, on the 2nd and 4th at Carlisle; on the 5th at Halifax and Stonyhurst; on the 6th at Carlisle; on the 7th at Oxford and Carlisle; on the 8th at Plymouth, Strathfield Turgiss, Blackheath, Barnet, Oxford, Cambridge, Hull, and Carlisle; on the 9th at Plymouth, Torquay, and Hull; on the 10th at Hull; on the 12th at Stonyhurst; on the 19th at Plymouth; on the 20th at Guernsey and Plymouth; on the 25th at Halifax.

Aurora borealis was seen on the 1st October at Halifax; on the 2nd at Guernsey, Torquay, Oxford, Barnet, Royston, Somerleyton, Cambridge, Leicester, Hull, and Sillith; on the 3rd at Oxford, and Hull; and on the 5th at Stonyhurst and Sillith.

In November on the 1st at Oxford; on the 12th at Stonyhurst and Sillith; on the 13th at Bolton and Stonyhurst; on the 14th at Stonyhurst; on the 17th at Guernsey, Totnes, Torquay, Osborne, Salisbury, Whitechurch, Blackheath, Oxford, Barnet, Royston, Somerleyton, Lowestoft, Cambridge, Halifax, Hull, Stonyhurst, and Sillith; on the 18th at Torquay and Cardington; on the 19th and 20th at Oxford.

In December on the 19th at Oxford; and on the 23rd at Halifax.

Solar halos were seen in October, on the 9th at Torquay and Oxford; and on the 29th at Oxford.

In November on the 2nd at Oxford; on the 3rd and 6th at Halifax; on the 7th at Halifax and Torquay; on the 11th and 16th at Torquay; on the 17th at Oxford; on the 21st at Torquay, Strathfield Turgiss, Oxford, Halifax, and Stonyhurst; on the 25th at Oxford; on the 27th at Torquay; and on the 28th at Halifax, Stonyhurst, and Sillith.

In December on the 1st at Oxford; on the 11th at Torquay; on the 20th at Halifax; and on the 23rd at Torquay.

Lunar halos were seen in October on the 20th at Wolverhampton; on the 23rd at Torquay; on the 24th at Cambridge, Burslem, and Sillith; on the 25th at Bolton and Halifax; on the 29th at Plymouth and Torquay; on the 31st at Oxford.

In November on the 2nd at Oxford; on the 17th at Torquay; on the 19th at Cambridge; on the 20th at Oxford, Lowestoft, and Stonyhurst; on the 21st at Oxford, Lowestoft, and Cambridge; on the 23rd at Halifax; on the 24th at Oxford; and on the 25th at Torquay.

In December on the 16th at Torquay; on the 17th, 19th, and 20th at Oxford; on the 20th at Halifax; on the 21st at Torquay; on the 22nd at Lowestoft and Cambridge; on the 23rd at Torquay, Oxford, Cambridge, and Halifax; and on the 24th at Barnet, Oxford, Lowestoft, and Cambridge.

Snow fell in October on the 16th at Hull; and on the 20th at Salisbury, Oxford, Royston, Cambridge, and Leicester.

In November, on the 8th at Burslem; on the 10th and 11th at Carlisle; on the 15th at Strathfield Turgiss, and Bolton; on the 16th at Osborne, Salisbury, Whitechurch, Blackheath, Barnet, Oxford, Royston, Cardington, and Carlisle; on the 17th at Royston and Lowestoft; on the 18th at Oxford, Royston, Cardington, and Carlisle; on the 19th at Bolton, Halifax, and Carlisle; on the 20th at Burslem, Cambridge, Bolton, and Halifax; on the 24th at Halifax; on the 25th at Halifax and Bradford; on the 26th at Halifax; on the 27th at Burslem, Halifax, and Bradford; on the 30th at Cambridge.

In December, on the 2nd at Wolverhampton, Oxford, Burslem, Bolton, and Stonyhurst; on the 4th at Burslem, Wolverhampton, Bolton, and Halifax; on the 5th at Torquay, Barnet, Burslem, Cambridge, Wolverhampton, Bolton, Llandudno, Halifax, Bradford, Sillith, and Cardington; on the 6th at Guernsey, Torquay, Salisbury, Bath, Barnet, Oxford, Burslem, Cambridge, Bolton, Llandudno, Halifax, Stonyhurst, and Bradford; on the 7th at Guernsey, Plymouth, Torquay, Osborne, Salisbury, Bath, Barnet, Oxford, Cardington, Lowestoft, Cambridge, Wolverhampton, Bradford, and Sillith; on the 8th at Plymouth, Torquay, Bath, Oxford, Burslem, Lowestoft, Cambridge, Wolverhampton, Bolton, Halifax, Bradford, and Sillith; on the 9th at Guernsey, Halifax, and Bradford; on the 11th at Carlisle; on the 12th at Torquay, Bath, Oxford, Burslem, Wolverhampton, and Bolton; on the 13th at Bath, Barnet, Cambridge, Bolton, Llandudno, Halifax, Stonyhurst, and Bradford; on the 14th at Llandudno, and Bradford; on the 23rd at Burslem; on the 25th and 26th at Sillith; and on the 30th at Burslem, Bolton, and Halifax.

Hail fell in October on the 7th at Osborne; on the 21st at Truro; on the 22nd at Truro, Totnes, Lowestoft, and Bolton; on the 23rd at Guernsey, Truro, and Sillith; on the 24th at Truro, Torquay, Salisbury, Oxford, Royston, Lowestoft, and Cambridge; and on the 25th at Guernsey, Truro, and Torquay.

In November on the 3rd at Halifax; on the 6th at Totnes; on the 7th at Totnes, Strathfield Turgiss, Wolverhampton, and Sillith; on the 8th at Truro, Totnes, Burslem, Llandudno, and Sillith; on the 9th at Guernsey, Truro, Burslem, and Llandudno; on the 10th at Truro, Llandudno, and Halifax; on the 11th at Guernsey and Llandudno; on the 14th at Guernsey; on the 15th at Guernsey and Truro; on the 16th at Truro; on the 17th at Truro, Lowestoft, and Hull; on the 19th at Guernsey, Oxford, Bolton, Llandudno, Stonyhurst, and Carlisle; on the 20th at Guernsey; on the 24th at Burslem, Bolton, Halifax, and Carlisle; on the 25th at Bolton, Llandudno, and Carlisle; on the 26th at Halifax and Stonyhurst; on the 27th at Guernsey, Truro, Burslem, Wolverhampton, Llandudno, Stonyhurst, and Carlisle; on the 28th at Guernsey; and on the 29th at Guernsey, Truro, and Whitechurch.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31ST, 1882.
The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1882. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Four- permanence. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. Amount in Inches. | |
|---------------|--|-------------------------------------|----------------------------------|--------|---------|------------------------------|--------|---------|---------------------------|-------|-------------------------|---------------------------|------------------------------------|-----------------------------|---------------------------|----|----------------------------|----------------------------------|----|
| | | | Mean. | Range. | Lowest. | Highest. | Range. | Lowest. | Highest. | Mean. | Short of Saturation. | Mean Weight of Air. | Mean Amount of Ozone. | Mean Amount of Cloud. | Relative Proportion of | | Number of Days it fell. | | |
| | | | | | | | | | | | | | | | N. | S. | | | W. |
| | | | | | | | | | | | | | | | | | | | |
| Oct. | 29-544 | 1-417 | 66.3 | 40.3 | 86.3 | 46.0 | 58.1 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-535 | 1-400 | 65.0 | 39.0 | 85.0 | 46.0 | 57.0 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-422 | 1-253 | 64.6 | 39.0 | 84.6 | 45.6 | 56.6 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-739 | 1-247 | 65.0 | 39.0 | 85.0 | 46.0 | 58.1 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-730 | 1-247 | 65.0 | 39.0 | 85.0 | 46.0 | 58.1 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-622 | 1-234 | 65.0 | 39.0 | 85.0 | 46.0 | 58.1 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-740 | 1-237 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-729 | 1-237 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-644 | 1-213 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-748 | 1-219 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-708 | 1-219 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-627 | 1-219 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-500 | 1-466 | 63.7 | 34.3 | 83.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-439 | 1-466 | 63.7 | 34.3 | 83.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-349 | 1-212 | 63.7 | 34.3 | 83.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-721 | 1-208 | 63.7 | 34.3 | 83.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-658 | 1-208 | 63.7 | 34.3 | 83.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-500 | 1-232 | 63.7 | 34.3 | 83.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-653 | 1-554 | 71.3 | 33.3 | 85.3 | 43.3 | 55.3 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-559 | 1-254 | 71.3 | 33.3 | 85.3 | 43.3 | 55.3 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-450 | 1-256 | 71.3 | 33.3 | 85.3 | 43.3 | 55.3 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-610 | 1-556 | 70.0 | 27.0 | 83.0 | 43.0 | 53.0 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-532 | 1-556 | 70.0 | 27.0 | 83.0 | 43.0 | 53.0 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-464 | 1-710 | 62.0 | 10.5 | 83.5 | 43.5 | 53.5 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-824 | 1-038 | 74.7 | 50.3 | 84.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-723 | 1-038 | 74.7 | 50.3 | 84.7 | 43.7 | 53.7 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-557 | 1-132 | 71.0 | 40.4 | 83.0 | 43.0 | 53.0 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-611 | 1-260 | 69.0 | 33.4 | 83.4 | 43.4 | 53.4 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-515 | 1-260 | 69.0 | 33.4 | 83.4 | 43.4 | 53.4 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-464 | 1-219 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-735 | 1-210 | 70.0 | 34.0 | 84.0 | 47.0 | 57.0 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-724 | 1-210 | 70.0 | 34.0 | 84.0 | 47.0 | 57.0 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 29-629 | 1-210 | 70.0 | 34.0 | 84.0 | 47.0 | 57.0 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Oct. | 29-175 | 1-514 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Nov. | 29-055 | 1-514 | 64.9 | 38.9 | 84.9 | 45.9 | 57.9 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |
| Dec. | 28-524 | 1-166 | 54.0 | 13.4 | 75.0 | 40.6 | 45.5 | 0.7 | 85 | 1.1 | 1.1 | 25 | 7.90 | | | | | | |

| Year 1882. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | Temperature of Air. | | Vapour. | | Mean Reading of Thermometer. | | | Wind. | | | Rain. Amount in Inches. | |
|---------------|--|-------------------------------------|---------------------------|----------|----------|---------------------|---------|-------------------------|---------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------|------------|----------------------------------|--------|
| | | | Range. | Lowest. | Highest. | Range. | Mean. | Short of Saturation. | Mean Weight of Air. | Mean Amount of Ozone. | Mean Amount of Cloud. | Relative Proportion of | | Number of Days. | | | |
| | | | | | | | | | | | | E. | W. | | Direction. | | Force. |
| | | | | | | | | | | | | | | | | | |
| Month. | Mean. | Range. | Lowest. | Highest. | Lowest. | Range. | Lowest. | Highest. | Mean. | Short of Saturation. | Mean Weight of Air. | Mean Amount of Ozone. | Mean Amount of Cloud. | Direction. | Force. | Number of Days. | |
| Oct. | 29-625 | 1-535 | 69.0 | 41.1 | 87.4 | 42.9 | 14.5 | 49.9 | 47.0 | 0.333 | 85 | 1.9 | 1.9 | 5 | 6 | 10 | 23 |
| Nov. | 29-515 | 1-535 | 69.0 | 41.1 | 87.4 | 42.9 | 14.5 | 49.9 | 47.0 | 0.333 | 85 | 1.9 | 1.9 | 5 | 6 | 10 | 23 |
| Dec. | 29-415 | 1-266 | 57.0 | 38.4 | 85.6 | 38.4 | 10.0 | 39.9 | 37.3 | 0.294 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-315 | 1-610 | 65.0 | 38.7 | 85.2 | 43.1 | 12.1 | 48.5 | 46.5 | 0.318 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-302 | 1-634 | 68.8 | 42.2 | 86.6 | 47.2 | 10.8 | 41.5 | 39.5 | 0.343 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-149 | 1-192 | 64.1 | 11.8 | 83.3 | 42.7 | 8.1 | 38.9 | 36.6 | 0.260 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-657 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.8 | 47.2 | 0.334 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 39.9 | 0.354 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 39.7 | 10.1 | 36.1 | 33.9 | 0.264 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-664 | 1-745 | 71.0 | 32.3 | 88.7 | 47.8 | 15.4 | 50.8 | 48.3 | 0.315 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-552 | 1-745 | 71.0 | 32.3 | 88.7 | 47.8 | 15.4 | 50.8 | 48.3 | 0.315 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-515 | 1-204 | 60.0 | 24.0 | 84.0 | 39.1 | 43.7 | 38.7 | 36.6 | 0.224 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-707 | 71.1 | 31.9 | 89.6 | 47.4 | 12.9 | 39.7 | 37.4 | 0.330 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-533 | 1-707 | 71.1 | 31.9 | 89.6 | 47.4 | 12.9 | 39.7 | 37.4 | 0.330 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-493 | 1-261 | 60.1 | 24.5 | 84.7 | 38.4 | 10.3 | 43.5 | 38.6 | 0.224 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-694 | 1-467 | 70.4 | 31.9 | 88.6 | 44.5 | 11.5 | 51.0 | 46.5 | 0.318 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-558 | 1-600 | 61.8 | 25.4 | 83.4 | 44.3 | 35.6 | 40.5 | 38.5 | 0.232 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-493 | 1-271 | 57.2 | 21.5 | 83.7 | 44.3 | 35.6 | 40.5 | 38.5 | 0.232 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Oct. | 29-656 | 1-768 | 67.0 | 30.7 | 89.7 | 47.4 | 15.4 | 49.3 | 46.8 | 0.321 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Nov. | 29-662 | 1-913 | 68.8 | 32.3 | 88.3 | 48.3 | 12.2 | 42.5 | 37.2 | 0.292 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | 20 |
| Dec. | 29-563 | 1-268 | 55.3 | 39.0 | 85.3 | 42.3 | 35.6 | 38.3 | 36.3 | 0.214 | 91 | 1.6 | 1.6 | 5 | 8 | 12 | |

| Height of Station Above Sea Level. | Names of Stations and Observers. | | Year 1882. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Tem- perature. | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Estn. Amount col- lected. | | | | | | | | |
|------------------------------------|----------------------------------|--------|------------|----------------------------------|---------|------------------------------|-----------------|----------------|---------------------|-------------------------|----------------------|--------------------------------------|-------------------------|-------------------|---------------------|----|-----------------------|-------------------------|---------------------------|----|----|----|--------------|------|------------|----------------|-------|
| | Mean. | Range. | | Highest. | Lowest. | Range. | Mean. | | | In a cubic foot of Air. | Short of Saturation. | Mean Degree of Humidity, "at" = 100. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated Strength. | N. | | | | E. | S. | W. | | | | | |
| | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | | | | | | | | | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | Oct. 29-730 | 1.086 | 66.9 | 33.0 | 31.3 | 55.7 | 46.8 | 9.9 | 43.6 | 47.6 | 329 | 37.7 | 0.75 | 88 | 11 | 5 | 15 | 19 | | | | | | | | | |
| | Nov. 29-515 | 0.932 | 59.5 | 29.8 | 29.7 | 48.9 | 38.6 | 10.3 | 43.6 | 38.8 | 336 | 37.7 | 0.75 | 88 | 6 | 4 | 22 | 3.48 | | | | | | | | | |
| | Dec. 29-544 | 1.426 | 55.0 | 21.0 | 34.0 | 43.5 | 35.2 | 10.3 | 39.7 | 38.8 | 219 | 2.5 | 0.5 | 90 | 4 | 5 | 9 | 3.67 | | | | | | | | | |
| 50 | Oct. 29-781 | 1.086 | 67.3 | 31.0 | 30.3 | 57.2 | 46.2 | 11.0 | 50.7 | 47.2 | 326 | 3.7 | 0.3 | 88 | 4 | 11 | 9 | 5.05 | | | | | | | | | |
| | Nov. 29-605 | 0.936 | 60.2 | 26.0 | 33.2 | 47.9 | 37.9 | 10.0 | 42.4 | 37.9 | 230 | 2.6 | 0.5 | 83 | 6 | 15 | 5.8 | 3.20 | | | | | | | | | |
| | Dec. 29-551 | 1.342 | 55.5 | 19.8 | 33.7 | 43.5 | 34.3 | 9.3 | 38.8 | 37.0 | 220 | 2.6 | 0.1 | 83 | 4 | 9 | 7.3 | 3.90 | | | | | | | | | |
| 500 | Oct. 29-905 | 1.233 | 64.8 | 30.9 | 33.9 | 41.1 | 31.0 | 13.0 | 46.8 | 44.5 | 287 | 3.3 | 0.3 | 92 | 6 | 10 | 4 | 5.80 | | | | | | | | | |
| | Nov. 29-774 | 0.924 | 57.8 | 24.5 | 33.3 | 46.9 | 34.4 | 12.4 | 40.4 | 38.3 | 214 | 2.5 | 0.5 | 86 | 2 | 11 | 6.1 | 3.97 | | | | | | | | | |
| | Dec. 29-534 | 1.168 | 54.8 | 18.0 | 36.4 | 41.8 | 31.5 | 9.7 | 37.1 | 35.0 | 203 | 2.4 | 0.2 | 82 | 5 | 8 | 8.4 | 3.93 | | | | | | | | | |
| 238 | Oct. 29-558 | 1.237 | 67.4 | 30.2 | 37.2 | 56.6 | 43.7 | 12.9 | 49.7 | 45.8 | 307 | 3.5 | 0.5 | 88 | 7 | 8 | 8 | 5.55 | | | | | | | | | |
| | Nov. 29-783 | 1.083 | 58.5 | 25.0 | 30.0 | 47.0 | 37.0 | 10.0 | 42.0 | 37.2 | 223 | 2.6 | 0.5 | 84 | 8 | 13 | 4.3 | 3.91 | | | | | | | | | |
| | Dec. 29-576 | 1.372 | 50.0 | 16.4 | 38.6 | 43.3 | 34.3 | 8.3 | 39.3 | 33.1 | 180 | 2.2 | 0.5 | 75 | 7 | 8 | 8.6 | 3.91 | | | | | | | | | |
| 183 | Oct. 29-619 | 1.244 | 67.7 | 30.3 | 37.4 | 53.7 | 42.6 | 13.1 | 48.4 | 44.7 | 260 | 3.3 | 0.5 | 87 | 14 | 9 | 6.6 | 5.23 | | | | | | | | | |
| | Nov. 29-520 | 0.972 | 60.1 | 23.2 | 36.9 | 47.1 | 33.5 | 12.0 | 41.1 | 37.3 | 222 | 2.6 | 0.4 | 87 | 10 | 6 | 5.4 | 4.55 | | | | | | | | | |
| | Dec. 29-429 | 1.238 | 54.8 | 17.1 | 35.7 | 41.4 | 33.5 | 8.3 | 37.6 | 35.7 | 210 | 2.5 | 0.2 | 83 | 6 | 7 | 7.4 | 3.63 | | | | | | | | | |
| 39 | Oct. 29-765 | 1.294 | 69.1 | 30.9 | 39.8 | 53.4 | 41.1 | 15.3 | 49.3 | 46.9 | 336 | 3.7 | 0.3 | 93 | 10 | 14 | 4 | 5.63 | | | | | | | | | |
| | Nov. 29-607 | 1.058 | 58.7 | 25.4 | 33.3 | 47.1 | 35.6 | 11.5 | 41.7 | 39.3 | 241 | 2.8 | 0.2 | 82 | 7 | 13 | 7.6 | 3.12 | | | | | | | | | |
| | Dec. 29-584 | 1.370 | 53.7 | 18.2 | 35.5 | 43.4 | 32.3 | 11.1 | 38.5 | 35.8 | 219 | 2.6 | 0.2 | 84 | 7 | 14 | 8 | 3.12 | | | | | | | | | |
| 197 | Oct. 29-707 | 1.480 | 71.2 | 38.4 | 32.8 | 53.1 | 42.4 | 8.7 | 50.6 | 45.7 | 307 | 3.5 | 0.6 | 83 | 2 | 14 | 6 | 2.64 | | | | | | | | | |
| | Nov. 29-532 | 1.230 | 56.7 | 25.3 | 32.7 | 45.1 | 40.3 | 8.0 | 44.8 | 40.0 | 248 | 2.8 | 0.6 | 84 | 5 | 8 | 12 | 3.91 | | | | | | | | | |
| | Dec. 29-515 | 1.160 | 55.2 | 25.5 | 32.7 | 45.3 | 37.4 | 6.4 | 41.0 | 38.9 | 219 | 2.5 | 0.5 | 86 | 5 | 11 | 7.6 | 3.56 | | | | | | | | | |
| 500 | Oct. 29-277 | 1.433 | 66.4 | 34.0 | 32.4 | 53.9 | 42.7 | 11.2 | 48.2 | 44.2 | 290 | 3.2 | 0.5 | 87 | 6 | 10 | 9 | 5.91 | | | | | | | | | |
| | Nov. 29-082 | 1.069 | 55.7 | 25.1 | 29.6 | 46.0 | 35.5 | 10.2 | 40.9 | 38.8 | 218 | 2.5 | 0.5 | 86 | 5 | 8 | 12 | 3.07 | | | | | | | | | |
| | Dec. 29-075 | 1.253 | 51.5 | 18.4 | 35.1 | 45.1 | 33.4 | 8.5 | 37.2 | 33.9 | 193 | 2.4 | 0.4 | 88 | 4 | 8 | 7.6 | 2.56 | | | | | | | | | |
| 530 | Oct. 29-304 | 1.455 | 67.8 | 30.0 | 37.8 | 54.7 | 42.2 | 12.5 | 48.2 | 44.6 | 335 | 3.4 | 0.5 | 88 | 7 | 10 | 7 | 4.44 | | | | | | | | | |
| | Nov. 29-135 | 1.054 | 59.9 | 20.0 | 36.0 | 45.5 | 34.0 | 9.3 | 38.8 | 37.1 | 224 | 2.6 | 0.4 | 84 | 6 | 9 | 6.6 | 6.51 | | | | | | | | | |
| | Dec. 29-083 | 1.276 | 52.0 | 13.0 | 39.0 | 43.0 | 32.1 | 6.3 | 35.6 | 34.1 | 180 | 2.2 | 0.3 | 91 | 5 | 9 | 8.5 | 5.03 | | | | | | | | | |
| 13 | Oct. 29-881 | 1.374 | 70.0 | 32.0 | 38.0 | 56.7 | 44.0 | 12.7 | 50.6 | 48.7 | 320 | 3.6 | 0.5 | 87 | 5 | 6 | 10 | 5.83 | | | | | | | | | |
| | Nov. 29-602 | 1.078 | 60.0 | 23.0 | 37.0 | 47.8 | 37.0 | 8.5 | 41.7 | 38.5 | 220 | 2.6 | 0.5 | 84 | 4 | 10 | 7.5 | 5.17 | | | | | | | | | |
| | Dec. 29-626 | 1.316 | 54.0 | 14.0 | 40.0 | 46.0 | 32.1 | 14.1 | 37.8 | 35.5 | 206 | 2.4 | 0.3 | 92 | 5 | 7 | 9.0 | 4.69 | | | | | | | | | |
| 393 | Oct. 29-481 | 1.433 | 66.0 | 30.0 | 36.0 | 55.6 | 42.8 | 12.8 | 48.6 | 44.2 | 294 | 3.3 | 0.5 | 88 | 6 | 8 | 13 | 5.83 | | | | | | | | | |
| | Nov. 29-213 | 1.183 | 56.2 | 25.5 | 30.7 | 46.0 | 34.7 | 12.2 | 40.8 | 38.8 | 212 | 2.5 | 0.5 | 87 | 4 | 9 | 7.6 | 3.13 | | | | | | | | | |
| | Dec. 29-244 | 1.263 | 53.0 | 17.0 | 32.0 | 42.2 | 32.3 | 9.3 | 37.2 | 35.5 | 191 | 2.2 | 0.4 | 83 | 5 | 10 | 8.4 | 2.37 | | | | | | | | | |
| 266 | Oct. 29-394 | 1.470 | 67.2 | 34.8 | 32.4 | 55.0 | 45.7 | 9.3 | 49.5 | 45.6 | 306 | 3.5 | 0.5 | 87 | 4 | 8 | 9 | 4.08 | | | | | | | | | |
| | Nov. 29-228 | 1.104 | 56.2 | 24.0 | 32.2 | 45.4 | 37.7 | 8.7 | 41.7 | 38.8 | 219 | 2.5 | 0.5 | 84 | 5 | 10 | 7.8 | 5.17 | | | | | | | | | |
| | Dec. 29-460 | 1.363 | 53.2 | 18.6 | 34.6 | 46.4 | 33.5 | 7.1 | 37.4 | 34.6 | 200 | 2.3 | 0.3 | 90 | 3 | 6 | 8.5 | 2.54 | | | | | | | | | |
| 337 | Oct. 29-674 | 1.464 | 68.0 | 35.0 | 33.0 | 56.0 | 45.9 | 10.1 | 50.5 | 47.2 | 325 | 3.8 | 0.5 | 89 | 5 | 7 | 8 | 5.98 | | | | | | | | | |
| | Nov. 29-462 | 1.128 | 48.0 | 25.0 | 33.0 | 47.2 | 38.7 | 8.5 | 42.9 | 39.1 | 239 | 2.8 | 0.4 | 87 | 4 | 8 | 7.7 | 3.64 | | | | | | | | | |
| | Dec. 29-464 | 1.354 | 55.0 | 18.0 | 37.0 | 41.5 | 34.3 | 7.2 | 38.4 | 34.7 | 208 | 2.4 | 0.4 | 87 | 6 | 10 | 8.8 | 2.98 | | | | | | | | | |

[illegible]

In December on the 2nd at Bath; on the 3rd at Plymouth and Bath; on the 4th, 5th, 6th, 7th, 8th, and 10th at Guernsey; on the 4th at Llandudno and Truro; on the 5th and 6th at Hull; on the 7th at Lowestoft; on the 8th at Totnes, Torquay, Barnet, Oxford, Cambridge, Wolverhampton, and Hull; on the 9th at Totnes, Wolverhampton, Bolton, Hull, and Stonyhurst; on the 10th at Lowestoft, Cambridge, Wolverhampton, Lowestoft, Cambridge, Wolverhampton, Guernsey, Totnes, Barnet, Oxford, Somerset, Bolton, Hull, and Stonyhurst; on the 11th at Cambridge; on the 12th at Totnes; on the 13th at Plymouth and the 14th at Somerleyton, and Cambridge; on the 14th at Totnes; on the 15th at Plymouth and the 16th at Totnes, Barnet, Wolverhampton; on the 16th at Totnes, and Hull; on the 17th at Totnes, Barnet, Wolverhampton; on the 18th at Torquay, Bridport, and Hull; on the 19th at Oxford, and Wolverhampton; on the 21st at Torquay, Bridport, and Hull; on the 22nd at Bolton; on the 25th at Totnes, Barnet, Oxford, Hull, and Stonyhurst; on the 26th at Wolverhampton. In November on the 1st at Hull; on the 6th at Totnes, Cambridge, and Wolverhampton. In December on the 1st at Wolverhampton, and Stonyhurst; on the 11th at Blackheath; on the 14th at Whitechurch, Wolverhampton, and Barnet, Oxford, Royston, Cardington, Cambridge, and Wolverhampton; on the 15th at Stratfield Turziss; on the 17th at Oxford; on the 17th at Bolton, Hull; on the 18th at Torquay, Whitechurch, Blackheath, Barnet, and Cambridge; on the 19th at Bolton; on the 20th and 21st at Blackheath; on the 25th at Oxford; on the 26th at Hull and Braod; on the 26th Oxford, Bolton, and Llandudno.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | | | | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|------------------------|------|------|------|-----------------------|-----------------------|--------------------------|---|-----------------------------------|---------------------------------------|-------------------|-------|-------|
| | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Mean Estimated Strength. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Amount of Days on which it fell. | Amount collected. | | |
| | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | | | |
| Guernsey | 29.497 | 60.3 | 39.0 | 21.3 | 52.6 | 44.9 | 25.8 | 7.8 | 49.5 | 44.7 | 29.1 | 3.1 | 0.6 | 87 | 537 | 79.7 | 41.1 | 1.2 | 5 | 4 | 10 | 12 | 4.5 | 7.7 | 85 | 21.65 | |
| Truro | 29.456 | 55.0 | 22.0 | 33.0 | 44.0 | 35.6 | 18.3 | 8.6 | 43.1 | 33.3 | 28.5 | 3.2 | 0.5 | 87 | 542 | 79.7 | 41.1 | 1.2 | 5 | 4 | 10 | 12 | 4.5 | 7.7 | 79 | 18.34 | |
| Plymouth | 29.508 | 54.9 | 22.8 | 32.1 | 44.0 | 33.6 | 16.6 | 10.6 | 45.9 | 42.2 | 27.4 | 3.1 | 0.6 | 84 | 543 | — | — | 1.6 | 8 | 6 | 6 | 10 | 10 | 7.6 | 7.1 | 15.59 | |
| Totnes | 29.547 | 57.2 | 26.2 | 31.0 | 50.2 | 40.3 | 35.7 | 12.6 | 46.5 | 41.4 | 26.5 | 3.0 | 0.6 | 85 | 543 | — | — | 2.8 | 6 | 6 | 6 | 14 | 4 | 6.8 | 7.9 | 20.28 | |
| Torquay | 29.480 | 55.7 | 20.4 | 35.3 | 51.6 | 41.4 | 31.3 | 10.2 | 46.0 | 42.2 | 27.2 | 3.1 | 0.5 | 86 | 539 | 83.6 | 33.7 | 1.7 | 7 | 4 | 6 | 14 | 4 | 6.9 | 7.1 | 14.63 | |
| Ventnor | 29.442 | 57.0 | 20.3 | 37.7 | 52.8 | 44.4 | 25.3 | 8.4 | 48.4 | 44.6 | 30.1 | 3.4 | 0.4 | 87 | 540 | — | — | 1.5 | 7 | 6 | 6 | 12 | 4 | 6.3 | 6.5 | 66.15 | |
| Osborne | 29.451 | 71.3 | 43.0 | 48.3 | 51.5 | 41.8 | 32.2 | 10.2 | 45.9 | 43.9 | 29.9 | 3.3 | 0.2 | 92 | 541 | 76.0 | 38.2 | 0.2 | 6 | 4 | 9 | 12 | 4 | 6.7 | 6.2 | 12.73 | |
| Salisbury | 29.472 | 70.0 | 26.5 | 35.5 | 51.6 | 43.4 | 34.3 | 15.2 | 44.3 | 41.2 | 29.3 | 3.0 | 0.4 | 90 | 543 | 84.6 | 34.8 | 1.3 | 9 | 3 | 11 | 8 | — | 7.5 | 7.7 | 15.62 | |
| Barnstaple | 29.476 | 70.0 | 18.0 | 32.0 | 52.6 | 43.0 | 35.2 | 9.6 | 47.5 | 44.0 | 28.7 | 3.3 | 0.5 | 87 | 543 | — | — | 1.3 | 7 | 5 | 9 | 10 | — | 4.4 | 6.8 | 22.10 | |
| Bath | 29.462 | 64.9 | 31.4 | 31.5 | 48.3 | 33.5 | 33.9 | 9.0 | 45.3 | 41.3 | 26.3 | 3.1 | 0.2 | 92 | 535 | 76.4 | 32.8 | 1.6 | 7 | 9 | 7 | 10 | — | 7.6 | 6.8 | 10.95 | |
| Stratfield Turgiss | 29.494 | 69.0 | 18.5 | 54.6 | 59.2 | 38.0 | 39.9 | 12.2 | 44.8 | 40.9 | 26.0 | 3.0 | 0.4 | 90 | 540 | 75.4 | 32.4 | — | 4 | 8 | 13 | 13 | 1.8 | 6.8 | 7.2 | 15.17 | |
| Marlborough | 29.461 | 66.0 | 11.4 | 34.2 | 48.4 | 38.0 | 35.9 | 13.3 | 43.0 | 40.9 | 25.9 | 3.0 | 0.2 | 92 | 539 | 76.1 | 35.2 | 0.5 | 5 | 7 | 7 | 12 | — | 7.2 | 7.2 | 15.17 | |
| Whitechurch | 29.473 | 67.0 | 19.0 | 43.0 | 49.9 | 37.3 | 37.0 | 12.6 | 42.6 | 40.7 | 25.5 | 3.3 | 0.1 | 92 | 542 | — | — | 1.3 | 5 | 7 | 8 | 11 | — | 6.6 | 6.8 | 10.87 | |
| Blackheath | 29.487 | 71.0 | 21.0 | 47.0 | 49.6 | 40.1 | 34.9 | 9.5 | 44.5 | 40.5 | 25.5 | 2.9 | 0.5 | 88 | 544 | 72.1 | 36.0 | 1.1 | 4 | 6 | 7 | 14 | — | 7.0 | 6.9 | 11.06 | |
| Camden Square | 29.470 | 70.5 | 24.5 | 45.9 | 50.5 | 39.4 | 34.9 | 11.2 | 45.5 | 42.8 | 25.7 | 3.0 | 0.4 | 89 | 544 | 66.9 | 36.6 | — | 8 | 5 | 12 | — | — | 7.2 | 5.7 | 10.04 | |
| Barnet | 29.510 | 59.5 | 23.6 | 35.9 | 49.6 | 37.0 | 22.6 | 12.6 | 43.3 | 40.1 | 25.2 | 3.0 | 0.4 | 89 | 544 | — | — | 31.8 | 81.1 | 9 | 7 | 5 | 9 | — | 7.0 | 6.2 | 9.21 |
| Oxford | 29.450 | 57.2 | 21.8 | 35.0 | 45.8 | 35.6 | 18.3 | 8.6 | 43.1 | 33.3 | 28.5 | 3.1 | 0.3 | 91 | 542 | 78.9 | 34.8 | 3.0 | 5 | 9 | 11 | 1.3 | 6.9 | 6.6 | 12.02 | | |
| Burslem | 29.464 | 56.6 | 15.6 | 49.0 | 46.8 | 37.2 | 34.1 | 9.4 | 41.7 | 33.6 | 26.3 | 3.7 | 0.4 | 89 | 538 | — | — | 0.5 | 5 | 7 | 9 | 10 | — | 7.3 | 7.5 | 15.21 | |
| Royston | 29.498 | 58.7 | 19.1 | 39.6 | 49.0 | 38.1 | 23.5 | 10.9 | 43.5 | 39.7 | 24.0 | 2.8 | 0.5 | 87 | 542 | — | — | — | 5 | 9 | 12 | — | — | 7.0 | 6.0 | 11.10 | |
| Cardington | 29.448 | 70.4 | 17.0 | 33.4 | 50.1 | 37.5 | 39.5 | 12.4 | 43.6 | 40.9 | 26.0 | 3.0 | 0.3 | 90 | 545 | 77.2 | 34.2 | 1.0 | 6 | 8 | 9 | 12 | — | 7.1 | 5.5 | 11.03 | |
| Cambridge | 29.448 | 71.8 | 19.0 | 32.5 | 50.1 | 38.5 | 39.9 | 11.6 | 44.1 | 40.9 | 26.1 | 3.0 | 0.4 | 89 | 545 | 77.3 | 33.2 | 1.1 | 6 | 5 | 10 | 9 | — | 6.0 | 6.9 | 9.08 | |
| Lowestoft | 29.434 | 65.9 | 21.0 | 45.9 | 49.7 | 40.2 | 31.7 | 9.5 | 44.9 | 41.1 | 26.1 | 3.0 | 0.5 | 86 | 543 | 77.2 | 33.8 | 0.4 | 14 | 7 | 7 | 13 | — | 7.0 | 6.2 | 12.07 | |
| Somerleyton | 29.450 | 57.3 | 19.8 | 37.5 | 49.5 | 35.6 | 18.3 | 8.6 | 43.1 | 33.3 | 28.5 | 3.0 | 0.4 | 89 | 545 | — | — | — | 1.1 | 3 | 8 | 10 | 10 | 5.6 | 6.5 | 6.6 | 12.24 |
| Wolverhampton | 29.414 | 61.8 | 18.0 | 46.5 | 47.5 | 35.8 | 34.7 | 11.7 | 41.4 | 38.6 | 23.3 | 2.7 | 0.3 | 90 | 540 | — | — | — | 6 | 7 | 11 | 7 | — | 7.3 | 6.4 | 13.70 | |
| Lelcester | 29.431 | 67.4 | 16.4 | 31.0 | 43.7 | 35.8 | 37.4 | 10.4 | 43.7 | 38.7 | 24.0 | 2.5 | 0.5 | 83 | 542 | 68.4 | 31.4 | 0.7 | 6 | 8 | 11 | — | — | 6.5 | 7.6 | 12.73 | |
| Nottingham | 29.432 | 67.7 | 17.5 | 30.2 | 43.2 | 37.1 | 37.2 | 11.1 | 42.4 | 39.2 | 24.8 | 2.8 | 0.4 | 89 | 544 | 63.4 | 35.4 | 0.3 | 6 | 9 | 8 | 8 | 1.1 | 7.9 | 7.4 | 12.47 | |
| Holkham | 29.433 | 69.1 | 18.2 | 50.9 | 49.9 | 33.5 | 36.2 | 12.6 | 43.2 | 40.1 | 26.2 | 3.0 | 0.2 | 93 | 546 | 62.0 | 30.7 | 1.5 | 5 | 7 | 13 | 6 | — | 7.7 | 4.8 | 10.35 | |
| Llandudno | 29.540 | 57.2 | 25.5 | 31.7 | 49.1 | 41.4 | 20.5 | 7.7 | 45.6 | 40.9 | 23.8 | 2.9 | 0.6 | 84 | 542 | — | — | — | 1.2 | 3 | 7 | 11 | 10 | — | 7.3 | 6.2 | 10.11 |
| Bolton | 29.450 | 56.4 | 18.4 | 34.0 | 48.0 | 40.9 | 39.1 | 31.7 | 41.2 | 33.3 | 23.4 | 2.7 | 0.5 | 87 | 533 | 50.8 | 31.2 | 2.0 | 6 | 7 | 8 | 9 | 2.5 | 7.5 | 7.3 | 10.08 | |
| Halifax | 29.524 | 57.8 | 13.0 | 34.8 | 48.2 | 36.8 | 37.6 | 9.4 | 41.4 | 38.7 | 23.6 | 2.7 | 0.4 | 90 | 540 | 65.0 | 34.9 | 0.8 | 6 | 8 | 9 | — | — | 7.5 | 7.3 | 10.08 | |
| Hull | 29.450 | 57.0 | 23.6 | 34.0 | 45.3 | 35.6 | 18.3 | 8.6 | 43.1 | 33.3 | 28.5 | 2.9 | 0.8 | 57 | 547 | 57.4 | 34.4 | 1.6 | 4 | 5 | 9 | 12 | 6.7 | 6.7 | 6.7 | 14.05 | |
| Stonyhurst | 29.459 | 63.0 | 17.0 | 49.0 | 49.9 | 48.2 | 36.8 | 14.2 | 42.2 | 39.1 | 23.4 | 2.7 | 0.5 | 85 | 541 | 72.9 | 35.8 | — | 8 | 6 | 10 | — | — | 8.3 | 6.8 | 16.37 | |
| Bradford | 29.446 | 57.2 | 18.8 | 48.0 | 47.3 | 38.9 | 33.1 | 11.6 | 42.9 | 39.9 | 24.2 | 2.8 | 0.4 | 87 | 540 | 55.5 | — | — | 1.1 | 7 | 5 | 7 | 12 | — | 7.5 | 7.9 | 13.76 |
| Leeds | 29.420 | 58.0 | 18.0 | 49.0 | 48.2 | 39.6 | 34.3 | 8.6 | 43.3 | 39.7 | 23.7 | 2.8 | 0.8 | 58 | 545 | — | — | — | 1.1 | 6 | — | — | — | — | 8.0 | 7.0 | 9.60 |
| Lancaster | 29.434 | 67.0 | 21.0 | 46.0 | 46.6 | 33.3 | 30.7 | 10.6 | 43.0 | 39.1 | 23.6 | 2.7 | 0.5 | 88 | 545 | — | — | — | — | — | — | — | — | — | 5.5 | 7.4 | — |
| Silloth | 29.416 | 70.0 | 17.5 | 32.5 | 47.1 | 37.0 | 33.5 | 9.4 | 42.9 | 38.5 | 23.7 | 2.5 | 0.8 | 54 | 547 | 78.3 | 31.0 | 1.6 | 6 | 10 | 6 | 9 | 9.4 | 6.0 | 6.9 | 11.00 | |
| Carlisle | 29.421 | 68.8 | 15.5 | 33.5 | 47.7 | 35.4 | 33.6 | 12.2 | 41.7 | 38.0 | 23.1 | 2.7 | 0.5 | 87 | 542 | 59.7 | 27.9 | 1.0 | 3 | 10 | 5 | 13 | 3.6 | 7.7 | 6.5 | 10.58 | |

The highest temperatures of the air were at Cambridge, 71° 8; at Osborne, 71° 3; and at Llandudno, 71° 2.

The lowest temperatures of the air were at Marlborough, 11° 8; at Halifax, 13°; and at Bath, 13° 4.

The greatest daily ranges of temperatures were at Salisbury, 15° 2; and at Whitechurch, Cardington, and Holkham, 19° 6.

The least daily ranges of temperatures were at Llandudno, 7° 7; at Guernsey, 7° 8; and at Ventnor and Bradford, 8° 4.

The greatest number of days of rain were at Guernsey, 85; at Truro, Bradford, and Totnes, 79.

The least number of days of rain were at Holkham, 48; at Barnet, 52; and at Cardington, Lancaster, and Carlisle, 55.

The greatest falls of rain in the quarter were at Barnstaple, 22.1 inches; at Guernsey, 21.65 inches; and at Totnes, 20.28 inches.

The least falls of rain in the quarter were at Barnet, 9.21 inches; at Leeds 9.60 inches; and at Cambridge, 9.70 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | |
|--|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|----|-----------------------|-----------------------|---------------------------------|--------------------------|------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | Mean Number of Days it fell. | Mean Amount col- led. | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | 29.497 | 60.3 | 39.0 | 21.3 | 52.6 | 44.9 | 25.8 | 7.8 | 48.5 | 44.7 | 29.1 | 3.1 | 0.6 | 87 | 537 | 79.7 | 41.1 | 1.2 | 5 | 4 | 10 | 12 | 4.5 | 7.7 | 85 | 21.65 | |
| Between the latitudes | 50° and 51° | 29.470 | 60.7 | 39.3 | 48.5 | 52.3 | 34.2 | 33.0 | 60.0 | 47.1 | 34.3 | 3.0 | 0.61 | 86 | 541 | 79.7 | 36.0 | 1.3 | 5 | 6 | 8 | 10 | 11 | 1.6 | 6.9 | 65 | 13.1 |
| | 51° and 52° | 29.474 | 58.1 | 37.0 | 51.6 | 50.6 | 40.9 | 33.7 | 51.2 | 44.0 | 41.1 | 3.0 | 0.61 | 86 | 541 | 79.7 | 36.0 | 1.3 | 5 | 6 | 8 | 10 | 10 | 3.7 | 7.1 | 64 | 11.1 |
| | 52° and 53° | 29.450 | 56.8 | 35.4 | 21.4 | 49.8 | 40.9 | 21.9 | 7.9 | 44.0 | 40.1 | 25.2 | 3.0 | 0.4 | 83 | 544 | 79.7 | 34.7 | 1.0 | 5 | 6 | 9 | 10 | 3.7 | 7.1 | 64 | 11.1 |
| | 53° and 54° | 29.471 | 57.9 | 34.2 | 23.7 | 49.8 | 41.9 | 23.9 | 7.9 | 43.1 | 39.2 | 24.4 | 2.8 | 0.5 | 84 | 547 | 69.3 | 35.2 | 1.3 | 5 | 6 | 8 | 10 | 1 | 7.6 | 68 | 13.1 |
| 54° and 55° | 29.416 | 56.4 | 32.5 | 23.9 | 47.7 | 39.8 | 13.3 | 7.7 | 43.4 | 38.7 | 23.8 | 2.7 | 0.5 | 87 | 545 | 69.0 | 31.0 | 1.3 | 4 | 4 | 10 | 6 | 11 | 6.5 | 6.9 | 57 | 10.1 |
| Mean for the Quarter, 50° to 55° | Year 1879 | 29.987 | 65.2 | 42.1 | 53.1 | 46.8 | 35.0 | 33.3 | 60.3 | 47.8 | 37.0 | 2.9 | 0.6 | 86 | 556 | 66.4 | 30.5 | 1.0 | 9 | 8 | 5 | 9 | 9 | 3.2 | 6.6 | 83 | 4.4 |
| | " 1880 | 29.963 | 63.5 | 41.3 | 51.3 | 43.3 | 34.9 | 33.4 | 61.3 | 48.7 | 39.3 | 1.4 | 0.6 | 85 | 548 | 68.9 | 33.1 | 1.3 | 7 | 6 | 6 | 12 | 8 | 3.6 | 6.6 | 90 | 12.5 |
| | " 1881 | 29.963 | 63.5 | 41.3 | 51.3 | 43.3 | 34.9 | 33.4 | 61.3 | 48.7 | 39.3 | 1.4 | 0.6 | 85 | 548 | 68.9 | 33.1 | 1.3 | 7 | 6 | 6 | 12 | 8 | 3.6 | 6.6 | 90 | 12.5 |
| | " 1882 | 29.458 | 58.1 | 37.0 | 51.6 | 50.6 | 40.9 | 33.7 | 51.2 | 44.0 | 41.1 | 3.0 | 0.6 | 86 | 541 | 79.7 | 36.0 | 1.3 | 5 | 4 | 9 | 11 | 10 | 3.7 | 6.4 | 50 | 9.9 |
| | | 29.458 | 58.1 | 37.0 | 51.6 | 50.6 | 40.9 | 33.7 | 51.2 | 44.0 | 41.1 | 3.0 | 0.6 | 86 | 541 | 79.7 | 36.0 | 1.3 | 5 | 4 | 9 | 11 | 10 | 3.7 | 6.4 | 50 | 9.9 |

On the Weather during the Quarter ending March 31st, 1883.

From January to February there was an increase of temperature south of 51° of $0^{\circ} \cdot 1$, between 51° and 52° of $2^{\circ} \cdot 0$, between 52° and 53° of $1^{\circ} \cdot 7$, between 53° and 54° of $2^{\circ} \cdot 6$, and between 54° and 55° of $2^{\circ} \cdot 0$.

From February to March there was a decrease of temperature south of 51° of $5^{\circ} \cdot 9$, between 51° and 52° of $6^{\circ} \cdot 5$, between 52° and 53° of $6^{\circ} \cdot 9$, between 53° and 54° of $6^{\circ} \cdot 6$, and between 54° and 55° of $6^{\circ} \cdot 1$.

| 1883. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|---|----------------|--|--|-------|--|-------|--|-------|--|-------|---|-----|------|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | | Mean. | Diff. from ave- rage of 42 years. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | | |
| | | | | | | | | | | | | | | |
| Jan. | - | 41.2 | +4.7 | +2.8 | 39.6 | +2.8 | 37.6 | +2.9 | 9.1 | -0.5 | .225 | +0.026 | 2.6 | +0.2 |
| Feb. | - | 42.6 | +3.9 | +3.1 | 40.9 | +3.2 | 38.8 | +3.5 | 11.3 | +0.2 | .236 | +0.026 | 2.7 | +0.4 |
| Mar. | - | 36.1 | -5.0 | -5.7 | 33.2 | -6.2 | 29.2 | -7.0 | 14.8 | +0.1 | .161 | -0.056 | 1.9 | -0.7 |
| Means - | | 40.0 | +1.2 | +0.1 | 37.9 | -0.1 | 35.2 | -0.2 | 11.7 | -0.1 | .207 | +0.001 | 2.4 | 0.0 |

| 1882. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horiz- ontal move- ment of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---|---------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------|----------|---|--|
| | | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Amount. | Diff. from ave- rage of 67 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | | | | |
| | | | | | | | | | | | Be- tween 30° and 40°. | Above 40°. | | | |
| Jan. | - | 87 | 0 | 29.735 | -0.017 | 550 | -4 | 1.69 | -0.20 | 339 | 17 | 13 | 1 | 21.9 | 49.5 |
| Feb. | - | 83 | +1 | 29.904 | +0.115 | 551 | -2 | 2.89 | +1.32 | 349 | 7 | 20 | 1 | 25.7 | 41.1 |
| Mar. | - | 76 | -5 | 29.749 | 0.000 | 556 | +6 | 0.78 | -0.77 | 337 | 24 | 7 | 0 | 14.3 | 37.9 |
| Means - | | 83 | +1 | 29.793 | +0.033 | 552 | 0 | Sum 5.36 | Sum +0.35 | Mean 342 | Sum 43 | Sum 40 | Sum 2 | Lowest 14.3 | Highest 49.5 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|--------|----------|-------------------------------|
| | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 14 | 14 | + 0 | 14 | 2 | - 2 | 9 | 2 | - 7 |
| N. | 3 | 3 | - 0 | 0 | 3 | - 3 | 2 | 3 | - 1 |
| N.E. | 2 | 3 | - 1 | 1 | 3 | - 2 | 8 | 4 | + 4 |
| E. | 10 | 10 | + 0 | 1 | 2 | - 1 | 2 | 2 | - 0 |
| S.E. | 3 | 2 | + 1 | 7 | 1 | + 6 | 1 | 2 | - 1 |
| S. | 3 | 4 | - 1 | 5 | 3 | + 2 | 0 | 2 | - 2 |
| S.W. | 9 | 9 | - 0 | 8 | 8 | - 0 | 1 | 7 | - 6 |
| W. | 4 | 3 | + 1 | 3 | 2 | + 1 | 4 | 3 | + 1 |
| Calm. | 0 | 2 | - 2 | 0 | 2 | - 2 | 0 | 2 | - 2 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of January are opposite to E. and S.E.; in February to S.E. and S.; and in March to N.W. and N.E.

The minus sign (-) denotes deficiencies below averages. In January the largest numbers are opposite to W. and N.; in February to N., N.E., and E.; and in March to S.W. and S.

About London the mean daily pressure of the atmosphere was below its average for the first two days, the deficiency being $0 \cdot 24$ in.; from the 3rd to the 8th it was above its average, the average daily excess being $0 \cdot 34$ in.; from the 9th to the 16th it was below, the average deficiency for these eight days being $0 \cdot 33$ in.; then from the 17th till the 24th it was above its average (the 22nd and 23rd being as much as $0 \cdot 66$ in. and $0 \cdot 67$ in. respectively above), and the daily excess was $0 \cdot 40$; from January 25th to February 3rd, there was a deficiency of $0 \cdot 38$ in. daily, this was followed by three days above the daily excess being $0 \cdot 19$ in.; from the 7th to the 14th there was a deficiency of $0 \cdot 23$ in. daily; from February 15th to March 6th there was a daily deficiency of $0 \cdot 44$ in.; and from this date to the end of the quarter there was a mean daily deficiency of $0 \cdot 19$ inch.

On the Weather during the Quarter ending March 31st, 1883.

The mean reading of the barometer for the month of January at the height of 160 feet above the sea was $29 \cdot 735$ ins., being $0 \cdot 017$ in. below the average of 42 years; $0 \cdot 450$ in. below that of 1882; and $0 \cdot 025$ in. below that of 1881.

The mean reading of the barometer for the month of February was $29 \cdot 904$ ins., being $0 \cdot 115$ in. above the average of 42 years, $0 \cdot 147$ in. below that of 1882, and $0 \cdot 243$ in. above that of 1881.

The mean reading of the barometer for the month of March was $29 \cdot 749$ ins., being the same as the average of 42 years, $0 \cdot 094$ in. below that of 1882, and $0 \cdot 021$ in. above that of 1881.

(From the 42 preceding years observations the mean pressure in January is $0 \cdot 036$ in. less than in December; that in February is $0 \cdot 037$ in. above that in January, and that in March is $0 \cdot 040$ in. below that in February.)

From December to January there was an increase of pressure at stations south of 51° of $0 \cdot 021$ in.; between 51° and 52° of $0 \cdot 22$ in.; and between 52° and 53° of $0 \cdot 23$ in.; and between 53° and 54° of $0 \cdot 20$ in.; and north of 54° of $0 \cdot 16$ in.

From January to February there was a decrease of pressure upon extreme northern stations of $0 \cdot 18$ in. to extreme southern stations of $0 \cdot 13$ in.

From February to March between the stations Somerleyton and Truro, there was a deficiency of $0 \cdot 13$ in., from Wolverhampton to Hull there was a deficiency of $0 \cdot 05$ in., from Stonyhurst to Bradford of $0 \cdot 01$ in., and from Lancaster to Carlisle a deficiency of $0 \cdot 04$ in.

Thunderstorms occurred in January on the 27th at Truro; and on the 29th at Cambridge. In February, on the 1st at Guernsey, Truro, Plymouth, and Torquay; and on the 2nd at Totnes.

Thunder was heard but lightning was not seen in February, on the 11th at Bradford; on the 13th at Carlisle; on the 15th at Stonyhurst; and on the 18th at Carlisle; and in March, on the 21st at Guernsey.

Lightning was seen but thunder was not heard in January, on the 10th at Carlisle, and on the 30th at Cambridge; and in March, on the 25th at Llandudno.

Solar halos were seen on January 14th and 15th at Oxford; on the 15th at Cardington; on the 23rd and 28th at Torquay; on the 28th at Oxford; and on the 31st at Oxford and Bermerside.

In February, on the 1st at Torquay; on the 5th at Guernsey and Oxford; on the 16th at Torquay, Oxford, and Stonyhurst; on the 18th and 19th at Torquay.

In March, on the 14th at Torquay; on the 16th at Torquay and Oxford; on the 19th at Torquay; on the 26th, 28th, and 29th at Halifax; and on the 31st at Guernsey.

Lunar halos were seen on the 13th at Lowestoft; on the 15th at Cambridge; on the 17th at Wolverhampton and Halifax; on the 18th and 19th at Oxford and Halifax; on the 20th at Wolverhampton; and on the 27th at Oxford.

In February on the 12th at Oxford and Cambridge; on the 14th at Oxford; on the 15th at Oxford, Cambridge, and Lowestoft; on the 16th at Oxford and Rugby; on the 17th at Oxford; and on the 19th at Salisbury, Barnet, Wolverhampton, Leicester, and Stonyhurst.

In March, on the 19th at Torquay; and on the 26th at Bermerside.

Aurora borealis was seen in February, on the 12th at Hull; and on the 24th at Cambridge.

In March on the 3rd and 10th at Oxford.

Snow fell in January on the 8th at Royston; on the 9th at Marlborough, Oxford, and Burslem; on the 15th at Cambridge; on the 23rd at Carlisle; on the 24th at Salisbury, Whitechurch, Barnet, Royston, Cambridge, and Wolverhampton; on the 25th at Cardington, Somerleyton, Wolverhampton, Bolton, Bermerside, and Bradford; on the 26th at Totnes, Torquay, Royston, Bolton, Bermerside, Hull, Bradford, and Leeds; on the 27th at Marlborough, Burslem, Royston, Cardington, Rugby, Lowestoft, Wolverhampton, Bermerside, Bradford, Leeds, and Lancaster; on the 28th at Bermerside and Carlisle; on the 29th at Burslem, Llandudno, Bolton, Halifax, and Carlisle; on the 30th at Torquay, Marlborough, Barnet, Burslem, Bermerside, and Bradford; on the 31st at Torquay.

In February, on the 1st at Wolverhampton, Llandudno, and Bolton; on the 2nd at Royston; on the 7th at Bradford; on the 11th at Oxford and Bradford; and on the 13th at Carlisle.

In March snow fell at every station on about five or six, at some places it fell on 12 days, falling all over the country at nearly the same time.

Hail fell on the 2nd January at Torquay and Salisbury; on the 9th at Guernsey; on the 23rd at Bolton; on the 24th at Truro, Salisbury, Royston, Leicester, and Bolton; on the 25th Salisbury and Marlborough; on the 26th at Guernsey, Totnes, Torquay, Ventnor, Osborne, Salisbury, Rugby, Lowestoft, Llandudno, Bermerside, and Carlisle; on the 27th at Guernsey, Salisbury, Oxford, Llandudno, and Bermerside; on the 28th at Bermerside; on the 30th at Plymouth, Marlborough, Burslem, Cardington, and Llandudno; and on the 31st at Totnes and Torquay.

In February, on the 1st at Torquay; on the 2nd at Truro; on the 3rd at Guernsey, Torquay, and Oxford; on the 11th at Guernsey, Oxford, Royston, and Stonyhurst; on the 12th at Guernsey, Torquay, and Stonyhurst; on the 13th at Torquay, Osborne, Blackheath, Llandudno, and Carlisle; on the 14th at Oxford; on the 15th at Guernsey, Blackheath, Oxford, Cambridge, Rugby, and Llandudno.

In March, on the 6th at Ventnor, Blackheath, Oxford, Royston, Lowestoft, Somerleyton, and Hull; on the 7th at Lowestoft, Somerleyton, and Hull; on the 8th, 9th, 10th, and 11th at Lowestoft and Somerleyton; on the 14th at Guernsey; on the 15th at Stockton; on the 16th at Llandudno, Bolton, and Stonyhurst; on the 17th at Guernsey, Truro, Plymouth, Torquay, Salisbury, Oxford, and Llandudno; on the 22nd at Hull; on the 24th at Bedford, Hull, and Stonyhurst; on the 25th at Bolton; on the 26th at Truro and Llandudno; on the 27th at Plymouth, Royston, Llandudno, and Hull.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31st, 1883.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1883. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean Temperature. | | Mean Reading of Thermometer. | Wind. | | | | Rain. | | |
|------------|---------|------------------------------------|--|---|--------|----------|---------|------------------------------|-----------------|----------------|-------|-------------------|------------|------------------------------|----------------|---------|----------------------|-----------------------|-------|-------------------------|-------------------|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Air. | Dew Point. | | Elastic Force. | Vapour. | | Mean Amount of Ozone. | | Number of Days it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | Mean. | Short of Saturation. | | | | |
| { 270 } | Jan. | 29.629 | GUTHRIE'S COLLETT, Esq., F.M.S. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Feb. | 29.621 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Mar. | 29.618 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | { 43 } | Jan. | 29.804 | TRURO (Cornwall), C. BARNHAM, Esq., M.D., F.M.S. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | | Feb. | 29.799 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | | Mar. | 29.791 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | { 69 } | Jan. | 29.826 | PLYMOUTH (Devon), J. HENRIFF, Esq., LL.D., F.R.S., F.M.S. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | | Feb. | 29.821 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | | Mar. | 29.805 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | { 107 } | Jan. | 29.821 | TOTNES (Devon), T. H. EDMONDS, Esq. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | | Feb. | 29.809 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | | Mar. | 29.805 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| { 305 } | Jan. | 29.848 | TORQUAY, Babinecombe (Devon), EDWIN E. GLYDE, Esq., F.M.S. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Feb. | 29.844 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Mar. | 29.810 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| { 80 } | Jan. | 29.842 | VENTNOR, (Isle of Wight), National Hospital for Consumption, HARTLEY SAGAR, Esq. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Feb. | 29.837 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Mar. | 29.833 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| { 12 } | Oct. | 29.750 | EASTBOURNE, (Sussex), Miss W. L. HALL. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Nov. | 29.653 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Dec. | 29.625 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| { 172 } | 1883. | Jan. | 29.715 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | Feb. | 29.711 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Mar. | 29.707 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| { 95 } | 1882. | Oct. | 29.688 | SOUTHBORNE, (near) Bourne-mouth, Hants, T. A. COMPTON, Esq., M.D., B.A., F.M.S. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | Nov. | 29.685 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Dec. | 29.660 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| { 186 } | 1883. | Jan. | 29.813 | SALISBURY (Wiltshire), Wills, THOMAS CHALLIS, Esq. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | Feb. | 29.804 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Mar. | 29.825 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| { 186 } | 1884. | Jan. | 29.680 | SALISBURY (Wiltshire), Wills, THOMAS CHALLIS, Esq. | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | |
| | Feb. | 29.847 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |
| | Mar. | 29.727 | | 30.0 | 32.2 | 35.0 | 27.8 | 7.2 | 30.0 | 27.8 | 30.0 | 41.5 | 2.63 | 30.0 | 3.0 | 13 | 8 | 7.3 | 21.90 | | |

| Year 1883. | Month. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | | Mean Tem- perature. | | Vapour. | Mean Reading of Thermometer. | Mean Amount of Wind. | Mean Amount of Cloud. | Rain. |
|---------------|--------|---------------------------------------|---|------------------------------|--------|-----------------|----------------|------------------------|------------|---------|------------------------------------|----------------------------|-----------------------------|-------|
| | | | | Temperature of Air in Month. | | | | Air. | Dew Point. | | | | | |
| | | | | Mean. | Range. | Of all Highest. | Of all Lowest. | | | | | | | |
| feet. | in. | in. | in. | ° F. | ° C. | ° F. | ° C. | ° F. | ° C. | in. | ° F. | ° F. | ° F. | in. |
| 43 | Jan. | 29.832 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 30.0 | 31.5 | 35.5 | 30.0 | 39.7 | 10.3 | 44.6 | 41.1 | .708 | 2.9 | 18 |
| | Feb. | 29.838 | | 30.0 | 30.5 | 35.5 | 31.5 | 41.1 | 10.8 | 45.6 | 42.0 | .708 | 3.0 | 23 |
| | Mar. | 29.804 | | 30.0 | 32.0 | 37.2 | 33.7 | 43.4 | 10.4 | 46.3 | 43.0 | .708 | 2.6 | 10 |
| 496 | Jan. | 29.262 | BATH (Somerset), St. Gregory's College, Downside, REV. T. J. ALMOND, O.S.B., F.M.S. | 35.4 | 38.1 | 45.3 | 35.7 | 9.3 | 40.8 | 37.9 | .230 | 2.7 | 35 | |
| | Feb. | 29.381 | | 35.0 | 38.5 | 44.5 | 36.9 | 7.8 | 41.2 | 39.0 | .337 | 2.8 | 47 | |
| | Mar. | 29.270 | | 33.9 | 37.5 | 44.7 | 38.4 | 13.3 | 38.3 | 30.7 | .172 | 2.1 | 12 | |
| 197 | Jan. | 29.669 | STRATHFIELD TURGIS (Hants) REV. C. H. GRIFFITH, M.A., F.M.S. | 34.3 | 35.3 | 46.3 | 35.4 | 10.9 | 40.9 | 37.8 | .926 | 2.7 | 33 | |
| | Feb. | 29.874 | | 35.7 | 38.7 | 49.7 | 35.9 | 8.3 | 43.6 | 39.2 | .341 | 2.7 | 93 | |
| | Mar. | 29.728 | | 36.1 | 39.1 | 44.6 | 39.1 | 17.3 | 36.3 | 32.4 | .185 | 2.1 | 36 | |
| 456 | Jan. | 29.370 | MAREBOURGH (Wilt), REV. THOMAS A. PASTON, M.A., F.M.S. | 34.9 | 38.3 | 44.9 | 36.1 | 8.5 | 40.3 | 37.5 | .223 | 2.6 | 8 | |
| | Feb. | 29.565 | | 33.7 | 38.7 | 45.1 | 38.1 | 11.7 | 41.8 | 39.3 | .238 | 2.7 | 64 | |
| | Mar. | 29.447 | | 35.2 | 38.7 | 43.1 | 37.6 | 15.5 | 34.8 | 29.3 | .161 | 1.9 | 19 | |
| 150 | Jan. | 29.766 | WHITCHURCH RECTORY (Oxon), (near Reading), REV. J. SALTER, M.A., F.M.S. | 34.7 | 35.8 | 45.9 | 36.0 | 9.9 | 41.0 | 40.0 | .218 | 2.9 | 62 | |
| | Feb. | 29.910 | | 34.9 | 36.6 | 47.7 | 35.3 | 13.4 | 42.2 | 41.2 | .238 | 3.2 | 73 | |
| | Mar. | 29.764 | | 37.2 | 37.2 | 44.1 | 38.4 | 15.7 | 36.0 | 33.7 | .105 | 2.2 | 16 | |
| 169 | Jan. | 29.736 | BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 34.6 | 39.2 | 44.6 | 39.3 | 8.3 | 41.7 | 37.7 | .226 | 2.6 | 34 | |
| | Feb. | 29.913 | | 34.9 | 37.7 | 47.7 | 36.7 | 10.1 | 42.7 | 38.3 | .252 | 2.8 | 64 | |
| | Mar. | 29.790 | | 35.3 | 38.1 | 44.2 | 39.6 | 13.6 | 43.5 | 30.6 | .172 | 2.0 | 23 | |
| 129 | Jan. | 29.765 | ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 35.0 | 38.3 | 49.3 | 39.5 | 6.3 | 41.6 | 37.7 | .918 | 2.6 | 7.5 | |
| | Feb. | 29.934 | | 38.0 | 40.0 | 50.5 | 42.5 | 12.5 | 43.0 | 38.8 | .259 | 2.7 | 21 | |
| | Mar. | 29.740 | | 39.6 | 44.0 | 50.4 | 44.5 | 14.8 | 39.1 | 34.9 | .161 | 1.9 | 13 | |
| 123 | Jan. | 29.767 | CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F.M.S. | 35.3 | 38.5 | 45.3 | 39.7 | 11.3 | 42.2 | 37.6 | .225 | 2.6 | 7.5 | |
| | Feb. | 29.935 | | 38.0 | 40.0 | 50.4 | 44.5 | 14.8 | 39.1 | 34.9 | .161 | 1.9 | 21 | |
| | Mar. | 29.794 | | 39.6 | 44.0 | 50.4 | 44.5 | 14.8 | 39.1 | 34.9 | .161 | 1.9 | 13 | |
| 212 | Jan. | 29.850 | BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 35.3 | 38.5 | 45.3 | 39.7 | 11.3 | 42.2 | 37.6 | .225 | 2.6 | 7.5 | |
| | Feb. | 29.935 | | 38.0 | 40.0 | 50.4 | 44.5 | 14.8 | 39.1 | 34.9 | .161 | 1.9 | 21 | |
| | Mar. | 29.794 | | 39.6 | 44.0 | 50.4 | 44.5 | 14.8 | 39.1 | 34.9 | .161 | 1.9 | 13 | |
| 210 | Jan. | 29.638 | OXFORD (The Observatory), E. J. STONE, Esq., F.R.S. | 34.6 | 39.2 | 44.6 | 39.3 | 8.3 | 41.7 | 37.7 | .226 | 2.6 | 34 | |
| | Feb. | 29.833 | | 34.9 | 37.7 | 47.7 | 36.7 | 10.1 | 42.7 | 38.3 | .252 | 2.8 | 64 | |
| | Mar. | 29.703 | | 35.3 | 38.1 | 44.2 | 39.6 | 13.6 | 43.5 | 30.6 | .172 | 2.0 | 23 | |
| 536 | Jan. | 29.259 | BIRMINGHAM, J. E. WORTH, Esq., C.E. | 32.1 | 37.6 | 42.9 | 34.5 | 8.4 | 38.4 | 36.0 | .212 | 2.3 | 8.5 | |
| | Feb. | 29.397 | | 33.0 | 34.7 | 46.2 | 36.2 | 10.0 | 40.7 | 38.7 | .265 | 2.8 | 21 | |
| | Mar. | 29.328 | | 34.8 | 37.0 | 42.4 | 35.6 | 12.8 | 37.3 | 30.3 | .169 | 2.0 | 18 | |
| 269 | Jan. | 29.035 | ROYSTON (Hertfordshire), HAILE WORTHAM, Esq., F.R.A.S., F.M.S. | 34.3 | 38.0 | 47.3 | 36.3 | 9.1 | 40.0 | 34.5 | .300 | 2.3 | 6.6 | |
| | Feb. | 29.259 | | 35.2 | 39.7 | 49.5 | 35.8 | 11.8 | 41.8 | 38.5 | .232 | 2.8 | 10 | |
| | Mar. | 29.656 | | 34.4 | 36.8 | 42.9 | 38.5 | 14.4 | 34.7 | 30.5 | .172 | 2.0 | 11 | |
| 105 | Jan. | 29.061 | BEDFORD, Cardington, MR. J. MCCLAREN, Assistant to S. WHITEHEAD, Esq., M.P. | 32.6 | 37.6 | 42.9 | 34.5 | 8.4 | 38.4 | 36.0 | .212 | 2.3 | 8.5 | |
| | Feb. | 29.259 | | 35.2 | 39.7 | 49.5 | 35.8 | 11.8 | 41.8 | 38.5 | .232 | 2.8 | 10 | |
| | Mar. | 29.656 | | 34.4 | 36.8 | 42.9 | 38.5 | 14.4 | 34.7 | 30.5 | .172 | 2.0 | 11 | |
| 40 | Jan. | 29.855 | CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | 35.0 | 38.3 | 45.3 | 39.7 | 11.3 | 42.2 | 37.6 | .225 | 2.6 | 7.5 | |
| | Feb. | 29.933 | | 38.0 | 40.0 | 50.4 | 44.5 | 14.8 | 39.1 | 34.9 | .161 | 1.9 | 21 | |
| | Mar. | 29.888 | | 39.6 | 44.0 | 50.4 | 44.5 | 14.8 | 39.1 | 34.9 | .161 | 1.9 | 13 | |

the reading was below, and continued so till the 21st, the average deficiency was 0.07 in., the 22nd and 23rd were above by 0.04 in., and from the 24th to the 28th there was a mean deficiency of 0.10 in., and the last two days of the quarter, there was an excess of 0.02 in.

| 1883. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|----------------|---------------------------------|--------------|---------------------------------|------------|---------------------------------|------------------|---------------------------------|--------------------------|---------------------------------|--|---------------------------------|
| | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. |
| | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. | | | | |
| | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. | Mean. | Diff. from average of 42 years. |
| April - | 46.8 | +0.7 | 43.8 | -0.7 | 39.4 | -1.1 | 29.2 | +1.8 | in. | -0.004 | 2.8 | -0.1 |
| May - | 53.1 | +0.6 | 49.2 | +0.4 | 45.3 | +0.3 | 29.2 | -0.3 | in. | +0.005 | 3.4 | -0.1 |
| June - | 59.0 | +0.8 | 54.9 | +0.4 | 51.3 | +0.7 | 21.9 | +1.0 | in. | +0.008 | 4.3 | +0.2 |
| Means - | 53.0 | +0.7 | 49.1 | 0.0 | 45.3 | 0.0 | 20.8 | +0.8 | 31.0 | +0.003 | 3.5 | 0.0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

The average duration of the different directions of the wind referred to eight points of the compass, and the duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|--------------------|--------|----------|-------------------------|-------|----------|-------------------------|-------|----------|-------------------------|
| | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 2½ | 2½ | 0 | 4½ | 1½ | +2½ | 2 | 2½ | -½ |
| N. | 1 | 4½ | -3½ | 4½ | 4½ | 0 | 1½ | 3½ | -1½ |
| N.E. | 3½ | 6½ | -3½ | 5½ | 7½ | -2½ | 5½ | 3½ | +1½ |
| E. | 5 | 3½ | +1½ | 2 | 2½ | -½ | 1½ | 2½ | -1½ |
| S.E. | 4 | 2½ | +1½ | 1½ | 1½ | 0 | 1 | 2½ | -1½ |
| S. | 2 | 2½ | -½ | 2 | 2½ | -½ | 6 | 2½ | +3½ |
| S.W. | 4½ | 6½ | -1½ | 7½ | 8 | -½ | 7½ | 10 | -2½ |
| W. | 8½ | 2½ | +5½ | 3½ | 2½ | +1½ | 4½ | 4 | +½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of April are opposite to W. and S.E.; in May to N.W. and W.; and in June to S. and N.E.

The minus sign (-) denotes deficiencies below averages. In April the largest numbers are opposite to N. and N.E.; in May to N.E. and S.; and in June to S.W. and N.

The mean reading of the barometer for the month of April at the height of 160 feet above the level of the sea was 29.826 ins., being 0.076 in. above the average of 42 years; 0.224 in. above that of 1882; and 0.054 in. above that of 1881.

The mean reading of the barometer for the month of May was 29.784 ins., being 0.007 in. below the average of 42 years, 0.091 in. below that of 1882, and 0.145 in. below that of 1881.

The mean reading of the barometer for the month of June was 29.793 ins., being 0.012 in. lower than the average of 42 years, 0.058 in. above that of 1882, and 0.013 in. below that of 1881.

(From the 42 preceding years' observations the mean pressure of April is 0.001 in. higher than in March; that in May is 0.041 in. higher than in April, and that in June is 0.014 in. higher than in May.)

From March to April there was an increase of pressure at stations south of 51° of 0.060 in.; between 51° and 52° of 0.077 in.; between 52° and 53° of 0.076 in.; between 53° and 54° of 0.054 in. and north of 54° of 0.050 in.

From April to May there was a decrease of pressure at stations south of 51° of 0.027 in.; between 51° and 52° of 0.044 in.; between 52° and 53° of 0.047 in. between 53° and 54° of 0.042 in. and north of 54° of 0.052 in.

From May to June there was a decrease at stations south of 50° of 0.003 in., and increase between 51° and 52° of 0.002 in., between 52° and 53° of 0.011 in., and a decrease between 53° and 54° of 0.001 in., and north of 54° of 0.012 in.

Thunderstorms occurred in May on the 6th at Truro, Plymouth, and Torquay; on the 15th at Lowestoft; on the 16th at Plymouth; on the 24th at Whitechurch; on the 25th at Torquay, Lowestoft, Somerleyton, Bolton, and Halifax; and on the 26th at Torquay.

In June, on the 1st at Halifax; on the 8th at Oxford, Wolverhampton, Leicester, Halifax, and Stonyhurst; on the 9th at Strathfield Turgiss, Whitechurch, Oxford, Bedford, and Leicester; on the 10th at Southbourne, Strathfield Turgiss, Oxford, Rugby, and Stonyhurst; on the 15th at Llandudno and Stonyhurst; on the 21st at Osborne and Oxford; on the 25th at Burslem, Royston, Bedford, Cambridge, Lowestoft, Leicester, Llandudno, Bolton, Halifax, Stonyhurst, and Bradford; on the 26th at Whitechurch, Blackheath, Barnet, Royston, Bedford, Cambridge, Rugby, Wolverhampton, Leicester, Bolton, and Bradford; on the 29th at Guernsey, Torquay, Ventnor, Southbourne, Whitechurch, Burslem, Wolverhampton, Leicester, Halifax, Stonyhurst, and Bradford; on the 30th at Blackheath, Barnet, Royston, Rugby, Halifax, and Bradford.

Thunder was heard but lightning was not seen in May, on the 1st at Torquay; on the 3rd at Wolverhampton; on the 6th at Plymouth; on the 11th at Blackheath and Barnet; on the 25th at Oxford, Royston, and Rugby; and on the 26th at Guernsey and Cockermouth.

In June on the 4th at Osborne; on the 5th at Totnes and Torquay; on the 6th at Osborne; on the 8th at Burslem, Liverpool, and Bolton; on the 9th at Ventnor, Burslem, Rugby, and Halifax; on the 10th at Osborne, Whitechurch, and Bedford; on the 13th at Oxford and Cambridge; on the 14th at Oxford; on the 15th at Halifax; on the 16th at Carlisle; on the 18th at Halifax; on the 21st at Blackheath, Barnet, Oxford, and Cambridge; on the 23rd at Carlisle and Silloth; on the 24th at Truro; on the 25th at Rugby; and on the 26th at Oxford and Cambridge; and on the 30th at Cambridge.

Lightning was seen but thunder was not heard in May, on the 5th at Plymouth; and on the 25th at Wolverhampton and Stonyhurst. In June, on the 3rd at Guernsey, Truro, and Torquay; on the 4th, 5th, and 9th at Torquay, on the 10th at Whitechurch, on the 13th at Royston and Cambridge; on the 14th at Lowestoft, on the 24th at Blackheath, on the 25th at Lowestoft and Carlisle; and on the 29th at Torquay, Osborne, Royston, and Cambridge.

Solar halos were seen in April, on the 1st at Torquay, Oxford, and Halifax; on the 4th at Oxford; on the 7th at Torquay, Strathfield Turgiss, and Oxford; on the 10th at Oxford; on the 13th at Hull; on the 14th at Halifax; on the 16th and 19th at Torquay and Oxford; on the 20th and 24th at Oxford; on the 26th at Torquay, Oxford, and Halifax; on the 27th at Halifax.

In May, on the 3rd at Torquay; on the 6th at Torquay and Oxford; on the 7th at Stonyhurst; on the 10th at Torquay and Oxford, on the 14th and 16th at Halifax, on the 17th and 18th at Torquay and Oxford; on the 22nd at Torquay, Halifax, and Stonyhurst; on the 25th at Halifax and Stonyhurst.

In June, on the 2nd at Stonyhurst; on the 5th at Torquay; on the 9th at Stonyhurst; on the 14th at Liverpool and Halifax; on the 16th at Halifax; on the 18th at Stonyhurst; on the 22nd, 25th, and 29th at Torquay.

Lunar halos were seen in April, on the 14th and 16th at Oxford and Halifax; on the 16th at Royston, Cambridge, Lowestoft, and Leicester; on the 17th at Bolton; and on the 18th at Torquay.

In May on the 13th at Ventnor, Marlborough, Oxford, and Leicester; on the 16th at Bolton; on the 17th at Oxford, Rugby, and Halifax; on the 18th at Oxford; and on the 22nd at Halifax.

Aurora borealis was seen in April, on the 2nd at Whitechurch; and on the 3rd at Stonyhurst. In May on the 11th at Stonyhurst; and on the 26th at Whitechurch.

Snow fell in April, on the 22nd at Bedford and Hull; on the 23rd at Torquay, Ventnor, Osborne, Salisbury, Marlborough, Barnet, Oxford, Burslem, Royston, Cambridge, Rugby, Lowestoft, Somerleyton, Wolverhampton, Llandudno, Bolton, Halifax, and Hull; on the 24th at Torquay, Ventnor, Osborne, Bedford, and Stonyhurst; on the 27th at Whitechurch.

In May, on the 2nd, 3rd, and 4th at Halifax; on the 4th at Rugby, Wolverhampton, and Llandudno; on the 5th at Rugby; on the 8th at Halifax; on the 10th at Salisbury, Marlborough, and Whitechurch; on the 11th at Burslem and Halifax; and on the 12th at Halifax.

Hail fell in April, on the 20th at Truro and Salisbury; on the 22nd at Oxford, Bedford, and Hull; on the 23rd at Torquay, Salisbury, Marlborough, Barnet, Oxford, Royston, Bedford, Cambridge, Rugby, and Hull; on the 24th at Barnet, Oxford, Royston, and Bedford; and on the 25th at Torquay.

In May, on the 3rd at Torquay, Burslem, Royston, and Lowestoft; on the 4th at Oxford, Royston, Rugby, and Wolverhampton; on the 6th at Torquay; on the 9th at Torquay; on the 10th at Oxford, Lowestoft, and Bolton; and on the 11th at Torquay, Marlborough, Barnet, Oxford, Burslem, Rugby, Wolverhampton, Bolton, Halifax, and Stonyhurst.

In June, on the 9th at Leicester; on the 16th at Torquay; on the 25th at Royston and Cambridge; on the 26th at Royston, Bedford, and Wolverhampton; and on the 29th at Whitechurch and Leicester.

| Year 1882. | Month. | Pressure of Atmosphere in Month. | Temperature of Air in Month. | | | Mean Temp. | Dew Point. | Elastic Force. | Vapour. | | Mean Degree of Humi- dity, Sat., = 100. | Mean Weight of a Cubic Foot of a Mixture of Air. | Mean Thermometer. | | Mean Amount of Ozone. | Wind. | | Rain. |
|---|-----------|--|------------------------------|-------------|----------------------------|---------------|------------|----------------|----------------------------|----------------------|---|--|------------------------|---------------------------|--------------------------|-------|------|-------|
| | | | Mean | | In a cubic foot of Air. | | | | Maximum in Days of Sun. | Minimum on Grass. | | | Estimated Strength. | Relative Proportion of | | | | |
| | | | All Highest. | All Lowest. | | | | | | | | | | W. | | S. | | |
| NAMES OF STATIONS AND OBSERVERS. | | | | | | | | | | | | | | | | | | |
| GUPPENNEY, ADOLPHUS COLLETTIE, Esq., F.M.S. | April | 29.704 | 1.316 | 63.2 | 30.4 | 52.9 | 41.6 | 11.3 | 46.4 | 0.5 | 85 | 544 | 103.8 | 35.8 | 0.7 | 12 | 5.9 | 10 |
| | May | 29.689 | 0.879 | 63.9 | 30.6 | 53.7 | 45.0 | 12.6 | 45.6 | 0.7 | 84 | 539 | 109.2 | 39.9 | 0.7 | 13 | 5.5 | 10 |
| | June | 29.685 | 0.860 | 72.2 | 41.0 | 51.7 | 51.7 | 11.0 | 53.7 | 0.5 | 89 | 533 | 113.3 | 46.8 | 0.6 | 9 | 5.3 | 13 |
| | July | 29.720 | 1.482 | 65.6 | 35.0 | 50.5 | 37.3 | 19.2 | 38.9 | 0.6 | 81 | 549 | | 2.4 | 0.9 | 7 | 8 | 10 |
| | August | 29.869 | 0.863 | 78.0 | 42.0 | 59.5 | 49.5 | 17.6 | 54.6 | 0.3 | 87 | 537 | | 2.4 | 0.9 | 7 | 8 | 10 |
| | September | 29.876 | 0.734 | 75.0 | 41.9 | 54.0 | 49.5 | 17.6 | 54.6 | 0.3 | 87 | 537 | | 2.4 | 0.9 | 7 | 8 | 10 |
| | October | 29.920 | 1.488 | 69.0 | 34.5 | 52.5 | 45.0 | 13.1 | 47.6 | 0.7 | 82 | 545 | | 1.4 | 0.8 | 15 | 8 | 4 |
| | November | 29.904 | 0.875 | 72.0 | 42.0 | 54.5 | 45.9 | 13.6 | 51.8 | 0.7 | 80 | 541 | | 1.4 | 0.8 | 15 | 8 | 4 |
| | December | 29.884 | 0.792 | 74.5 | 42.0 | 54.5 | 45.9 | 13.6 | 51.8 | 0.7 | 80 | 541 | | 1.4 | 0.8 | 15 | 8 | 4 |
| | January | 29.986 | 1.449 | 62.0 | 37.6 | 51.4 | 46.3 | 18.5 | 39.2 | 0.5 | 84 | 535 | | 1.3 | 0.5 | 10 | 7 | 8 |
| | February | 29.904 | 0.815 | 72.7 | 42.7 | 55.7 | 46.3 | 18.5 | 39.2 | 0.5 | 84 | 535 | | 1.3 | 0.5 | 10 | 7 | 8 |
| | March | 29.885 | 0.685 | 74.7 | 38.9 | 57.9 | 46.3 | 18.5 | 39.2 | 0.5 | 84 | 535 | | 1.3 | 0.5 | 10 | 7 | 8 |
| TORQUAY, Babcocks (Devon), Edwin E. Gayle, Esq., F.M.S. | April | 29.629 | 1.319 | 58.7 | 38.1 | 53.9 | 39.6 | 14.3 | 45.9 | 0.8 | 79 | 544 | 110.2 | 30.5 | 1.2 | 7 | 10 | 6 |
| | May | 29.630 | 0.882 | 72.6 | 43.0 | 54.0 | 44.0 | 14.4 | 50.2 | 0.4 | 82 | 538 | 117.6 | 35.3 | 1.2 | 7 | 10 | 6 |
| | June | 29.659 | 0.683 | 73.8 | 41.0 | 51.8 | 45.3 | 13.2 | 46.4 | 0.9 | 84 | 548 | 118.3 | 42.3 | 1.6 | 8 | 5 | 7 |
| | July | 29.909 | 1.933 | 69.0 | 39.3 | 52.6 | 44.3 | 13.2 | 46.4 | 0.9 | 84 | 548 | | 3.5 | 1.0 | 6 | 8 | 5 |
| | August | 29.879 | 0.832 | 70.9 | 42.3 | 53.5 | 45.8 | 13.5 | 50.8 | 0.5 | 83 | 545 | | 3.5 | 1.0 | 6 | 8 | 5 |
| | September | 29.872 | 0.622 | 73.5 | 44.9 | 52.6 | 45.8 | 14.1 | 56.6 | 0.2 | 84 | 542 | | 3.5 | 1.0 | 6 | 8 | 5 |
| | October | 29.885 | 1.370 | 54.9 | 39.0 | 46.7 | 39.3 | 7.4 | 43.0 | 0.8 | 85 | 551 | 62.5 | 37.0 | 2.5 | 8 | 9 | 11 |
| | November | 30.014 | 1.744 | 54.6 | 36.2 | 47.0 | 40.2 | 8.4 | 43.6 | 0.4 | 89 | 533 | 77.7 | 35.1 | 0.3 | 6 | 10 | 11 |
| | December | 29.848 | 1.448 | 53.8 | 33.1 | 46.7 | 37.1 | 32.1 | 41.0 | 0.2 | 89 | 533 | 92.3 | 38.5 | 0.3 | 6 | 10 | 11 |
| | January | 29.945 | 1.196 | 65.4 | 39.6 | 51.8 | 45.1 | 39.5 | 46.1 | 0.3 | 89 | 533 | 105.1 | 42.3 | 0.2 | 7 | 10 | 8 |
| | February | 29.985 | 1.370 | 54.9 | 39.0 | 46.7 | 39.3 | 7.4 | 43.0 | 0.8 | 85 | 551 | 62.5 | 37.0 | 2.5 | 8 | 9 | 11 |
| | March | 30.014 | 1.744 | 54.6 | 36.2 | 47.0 | 40.2 | 8.4 | 43.6 | 0.4 | 89 | 533 | 77.7 | 35.1 | 0.3 | 6 | 10 | 11 |
| EASTBOURNE, (Sussex), Miss W. L. Hall. | April | 29.945 | 1.196 | 65.4 | 39.6 | 51.8 | 45.1 | 39.5 | 46.1 | 0.3 | 89 | 533 | 105.1 | 42.3 | 0.2 | 7 | 10 | 8 |
| | May | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | June | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | July | 29.937 | 1.246 | 67.2 | 39.5 | 53.7 | 38.1 | 20.8 | 46.2 | 0.1 | 84 | 546 | 112.3 | 35.6 | 0.1 | 6 | 8 | 10 |
| | August | 29.877 | 0.890 | 74.4 | 43.9 | 63.1 | 43.6 | 19.5 | 51.7 | 0.7 | 82 | 539 | 118.3 | 41.3 | 0.1 | 4 | 5 | 8 |
| | September | 29.791 | 0.684 | 73.8 | 40.2 | 59.1 | 70.2 | 29.8 | 57.8 | 0.4 | 87 | 531 | 125.6 | 46.5 | — | 11 | 10 | 6 |
| | October | 29.895 | 1.266 | 61.3 | 30.2 | 51.1 | 53.7 | 38.4 | 45.4 | 38.5 | 82.4 | 548 | | 1.7 | 1.0 | 8 | 4 | 10 |
| | November | 29.841 | 0.836 | 73.4 | 39.9 | 42.5 | 53.2 | 43.7 | 44.5 | 30.2 | 43.6 | 548 | | 1.7 | 1.0 | 8 | 4 | 10 |
| | December | 29.830 | 0.656 | 76.1 | 39.3 | 38.8 | 61.2 | 49.5 | 14.7 | 55.0 | 49.2 | 553 | 3.9 | 1.0 | 7 | 8 | 10 | |
| | January | 29.719 | 1.390 | 52.0 | 29.6 | 42.4 | 45.8 | 37.9 | 7.9 | 49.0 | 28.4 | 535 | 2.7 | 0.4 | 82 | 29.6 | 29.6 | 29.6 |
| | February | 29.854 | 1.498 | 54.0 | 32.4 | 47.4 | 38.4 | 47.4 | 38.4 | 47.4 | 38.4 | 535 | 2.7 | 0.4 | 82 | 29.6 | 29.6 | 29.6 |
| | March | 29.766 | 1.470 | 51.0 | 23.0 | 28.0 | 43.1 | 31.0 | 37.4 | 30.0 | 16.7 | 541 | 38.1 | 0.7 | 54 | 38.1 | 38.1 | 38.1 |
| SOUTHBOURNE, (near) Bournemouth (Hants), T.A. Compton, Esq., M.D., B.A., F.M.S. | April | 29.805 | 1.266 | 61.3 | 30.2 | 51.1 | 53.7 | 38.4 | 45.4 | 38.5 | 82.4 | 548 | | 1.7 | 1.0 | 8 | 4 | 10 |
| | May | 29.841 | 0.836 | 73.4 | 39.9 | 42.5 | 53.2 | 43.7 | 44.5 | 30.2 | 43.6 | 548 | | 1.7 | 1.0 | 8 | 4 | 10 |
| | June | 29.830 | 0.656 | 76.1 | 39.3 | 38.8 | 61.2 | 49.5 | 14.7 | 55.0 | 49.2 | 553 | 3.9 | 1.0 | 7 | 8 | 10 | |
| | July | 29.719 | 1.390 | 52.0 | 29.6 | 42.4 | 45.8 | 37.9 | 7.9 | 49.0 | 28.4 | 535 | 2.7 | 0.4 | 82 | 29.6 | 29.6 | 29.6 |
| | August | 29.854 | 1.498 | 54.0 | 32.4 | 47.4 | 38.4 | 47.4 | 38.4 | 47.4 | 38.4 | 535 | 2.7 | 0.4 | 82 | 29.6 | 29.6 | 29.6 |
| | September | 29.766 | 1.470 | 51.0 | 23.0 | 28.0 | 43.1 | 31.0 | 37.4 | 30.0 | 16.7 | 541 | 38.1 | 0.7 | 54 | 38.1 | 38.1 | 38.1 |
| | October | 29.805 | 1.266 | 61.3 | 30.2 | 51.1 | 53.7 | 38.4 | 45.4 | 38.5 | 82.4 | 548 | | 1.7 | 1.0 | 8 | 4 | 10 |
| | November | 29.841 | 0.836 | 73.4 | 39.9 | 42.5 | 53.2 | 43.7 | 44.5 | 30.2 | 43.6 | 548 | | 1.7 | 1.0 | 8 | 4 | 10 |
| | December | 29.830 | 0.656 | 76.1 | 39.3 | 38.8 | 61.2 | 49.5 | 14.7 | 55.0 | 49.2 | 553 | 3.9 | 1.0 | 7 | 8 | 10 | |
| | January | 29.719 | 1.390 | 52.0 | 29.6 | 42.4 | 45.8 | 37.9 | 7.9 | 49.0 | 28.4 | 535 | 2.7 | 0.4 | 82 | 29.6 | 29.6 | 29.6 |
| | February | 29.854 | 1.498 | 54.0 | 32.4 | 47.4 | 38.4 | 47.4 | 38.4 | 47.4 | 38.4 | 535 | 2.7 | 0.4 | 82 | 29.6 | 29.6 | 29.6 |
| | March | 29.766 | 1.470 | 51.0 | 23.0 | 28.0 | 43.1 | 31.0 | 37.4 | 30.0 | 16.7 | 541 | 38.1 | 0.7 | 54 | 38.1 | 38.1 | 38.1 |
| BRIGHTON, F. E. Sawyer, Esq., F.M.S. | April | 29.748 | 0.619 | 73.0 | 42.6 | 56.4 | 69.2 | 30.6 | 58.5 | 4.1 | 75 | 531 | 113.9 | 44.5 | 0.9 | 6 | 10 | 9 |
| | May | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | June | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | July | 29.748 | 0.619 | 73.0 | 42.6 | 56.4 | 69.2 | 30.6 | 58.5 | 4.1 | 75 | 531 | 113.9 | 44.5 | 0.9 | 6 | 10 | 9 |
| | August | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | September | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | October | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | November | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | December | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | January | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | February | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | March | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| Year 1883. | Month. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | Wind. | Mean Amount of | | | Mean Reading of Thermometer. | Vapour. | | | Mean Weight of a cubic foot of Air. | Mean Degree of Humidity, Say, = 100. | Mean Weight of a cubic foot of Air. | Mean Degree of Saturation. | In a Cubic foot of Air. | Elastic Force. | Relative Proportion of | Mean Amount of | Mean Amount of | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------------------------|----------------------------------|--------|----------|------------------------------|--------|--------------|---------------------|-------|----------------|-------|--------------|------------------------------|---------|------------|-------|-------------------------------------|--------------------------------------|-------------------------------------|----------------------------|-------------------------|----------------|------------------------|----------------|----------------|-------|----------------------|-------------------------|---------|----------------|----|----|----|----|--------|--------|---------------|---------------------|-------|--------|----------|---------|--------|--------------|-------------|-------|----------------------|-------------------------|---------|----------------|----|----|----|----|--------|--------|---------------|---------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | All Highest. | | | All Lowest. | Mean. | Daily Range. | | Air. | New Point. | Mean. | | | | | | | | | | | Short of Saturation. | In a Cubic foot of Air. | Vapour. | Elastic Force. | N. | E. | S. | W. | Ozone. | Cloud. | Days it fell. | Amount col- lected. | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Mean. | Range. | Highest. | Lowest. | Range. | All Highest. | All Lowest. | Mean. | Short of Saturation. | In a Cubic foot of Air. | Vapour. | Elastic Force. | N. | E. | S. | W. | Ozone. | Cloud. | Days it fell. | Amount col- lected. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| feet. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SALISBURY (Wilton House), Wils., THOMAS CHALLIS, Esq. | 186 | April 29.702 | 1.284 | 67.0 | 92.5 | 43.5 | 59.9 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 7 | 9 | 9 | 5 | 6.1 | 10 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 43 | May 29.771 | 0.654 | 84.0 | 92.5 | 47.0 | 63.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | STRATHFIELD TURGIS (Hants), REV. C. H. GRIFFITH, M.A., F.M.S. | 107 | April 29.792 | 1.360 | 65.0 | 92.5 | 34.5 | 59.1 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | May 29.827 | 0.910 | 73.5 | 92.5 | 28.5 | 62.5 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | June 29.912 | 0.680 | 77.0 | 92.5 | 23.5 | 63.1 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BATH (Somerset), St. Gregory's College, Downside, REV. T. J. ALMOND, O.S.B., F.M.S., MARLBOROUGH (Wils), REV. THOMAS A. PRESTON, M.A., F.M.S. | 506 | April 29.781 | 1.254 | 67.4 | 92.5 | 43.5 | 59.9 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.759 | 0.860 | 70.5 | 92.5 | 42.5 | 63.2 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | June 29.767 | 1.318 | 61.2 | 92.5 | 44.3 | 63.9 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.835 | 0.680 | 77.0 | 92.5 | 23.5 | 63.1 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WHITCHURCH RECTORY (Oxon), (near Reading), REV. J. SLATTER, M.A., F.M.S. | 120 | April 29.488 | 1.273 | 67.0 | 92.5 | 43.5 | 59.9 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.458 | 0.878 | 71.1 | 92.5 | 42.0 | 63.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | June 29.468 | 0.938 | 78.3 | 92.5 | 41.1 | 65.8 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.872 | 1.449 | 68.0 | 92.5 | 40.0 | 68.6 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 120 | April 29.898 | 1.245 | 69.5 | 92.5 | 34.2 | 58.5 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 129 | April 29.835 | 1.240 | 69.1 | 92.5 | 38.2 | 60.9 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.784 | 0.877 | 81.0 | 92.5 | 39.7 | 63.7 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | June 29.783 | 0.843 | 84.0 | 92.5 | 44.4 | 70.8 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.888 | 1.224 | 68.9 | 92.5 | 39.6 | 58.7 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F.M.S. | 123 | May 29.837 | 0.831 | 79.6 | 92.5 | 45.6 | 64.8 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | June 29.837 | 0.655 | 85.6 | 92.5 | 44.3 | 71.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | April 29.892 | 1.222 | 68.2 | 92.5 | 45.8 | 57.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.759 | 0.824 | 78.5 | 92.5 | 45.0 | 63.9 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 210 | May 29.757 | 0.838 | 73.4 | 92.5 | 43.0 | 61.0 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | June 29.725 | 0.773 | 78.0 | 92.5 | 47.0 | 66.9 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | April 29.725 | 1.290 | 68.8 | 92.5 | 43.0 | 61.0 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.763 | 0.914 | 80.1 | 92.5 | 44.4 | 70.3 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROYSTON (Hertfordshire), HALE WORTHAM, Esq., F.R.A.S., F.M.S. | 269 | May 29.725 | 0.690 | 89.1 | 92.5 | 38.7 | 64.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | June 29.725 | 0.619 | 89.1 | 92.5 | 38.7 | 64.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | April 29.911 | 1.260 | 70.4 | 92.5 | 45.4 | 57.8 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.887 | 0.884 | 79.0 | 92.5 | 46.4 | 65.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BEDFORD, Cardington, Assistant to MR. J. McLEARN, Esq., M.P. S. WHITEHEAD, Esq., M.P. CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | 105 | April 29.875 | 0.656 | 85.8 | 92.5 | 47.0 | 70.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | May 29.947 | 0.721 | 87.1 | 92.5 | 47.1 | 70.4 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | April 29.887 | 0.872 | 81.5 | 92.5 | 45.8 | 64.8 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | June 29.901 | 0.672 | 85.7 | 92.5 | 47.9 | 71.2 | 33.9 | 26.0 | 46.0 | 39.0 | 2.44 | 2.8 | 0.8 | 79 | 546 | 112.1 | 30.3 | 1.1 | 1 | 9 | 9 | 6 | 6.5 | 16 | 1.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Meteorological Table, Quarter ending June 30th, 1883.

| Year 1883. | Month. | Height of Station above Sea Level. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Rain. | | | | | | | |
|---------------|-----------|--|---------------------------|--------|------|------------------------------|---------|--------|------------------------|----------------|-------|----------------|----------------------------|-------------------------|------------------------------------|--|--|----------------------------|----------------------|---------------------------|----|------|-----------------------------|-----------------------------|----------------------------|-------------------------|
| | | | Mean. | Range. | In. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Elastic Force. | In a cubic foot of Air. | Short of Saturation. | | Mean Degree of Humi- dity, 32° = 100. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Relative Proportion of | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount, col- lected. |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | | | | |
| | April | 29.570 | 1.162 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | May | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | June | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | July | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | August | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | September | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | October | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | November | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |
| | December | 29.545 | 0.824 | 31.0 | 24.0 | 45.5 | 39.3 | 2.8 | 1.2 | 0.7 | 79 | 54.3 | 54.3 | 0.6 | 6 | 9 | 9 | 7 | 6.9 | 6.8 | 11 | 1.51 | | | | |

Meteorological Table, Quarter ending June 30th, 1883.

| Year 1883. | Height Of Station Above Sea Level. | Months. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | Mean Reading of Thermometer. | | | Wind. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. Number of Days it fell. | Amount col- lected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|---------|---------------------------|--------|---------|------------------------------|---------|--------|------------------------|----------------|---------|---------------------------------|------|------------|----------------|-------|-------------------------|----------------------------------|-----------------------------|-----------------------------|---|------------------------|--|----------------------------|----------------------|--------------------------|----|----|----|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean. | Range. | Lowest. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humi- dity. | | | | | Mean Weight of a cubic Foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Relative Proportion o | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Estimated Strength. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April | 137 | April | 29.833 | 1.292 | 31.0 | 24.0 | 39.6 | 16.0 | 46.5 | 41.0 | 2.68 | 3.1 | 0.5 | 82 | 546 | 546 | 1.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Second Rain-gauges are placed—

| At Eastbourne, at the height of 160 feet above the sea; the amount collected was— | January. | February. | March. | April. | May. | June. | Total in Quarter. |
|---|----------|-----------|--------|--------|------|-------|-------------------|
| " Beachy Head, " | 1.80 | 2.51 | 0.43 | 1.71 | 1.45 | 1.45 | 1.45 |
| " Oxford, " | 1.80 | 2.51 | 0.43 | 1.71 | 1.45 | 1.45 | 1.45 |
| " Carlisle, " | 1.80 | 2.51 | 0.43 | 1.71 | 1.45 | 1.45 | 1.45 |
| " Nottingham, " | 1.80 | 2.51 | 0.43 | 1.71 | 1.45 | 1.45 | 1.45 |

Fog prevailed in April, on the 2nd at Torquay; on the 3rd at Guernsey, Ventnor, and Blackheath; on the 4th and 6th at Guernsey; on the 7th at Guernsey, Torquay, and Wexhampton; on the 8th at Guernsey, Torquay, and Wexhampton; on the 9th at Truro and Wexhampton; on the 10th at Guernsey, Torquay, and Wexhampton; on the 11th at Guernsey, Torquay, and Wexhampton; on the 12th at Guernsey, Torquay, and Wexhampton; on the 13th at Guernsey, Torquay, and Wexhampton; on the 14th at Guernsey, Torquay, and Wexhampton; on the 15th at Guernsey, Torquay, and Wexhampton; on the 16th at Guernsey, Torquay, and Wexhampton; on the 17th at Guernsey, Torquay, and Wexhampton; on the 18th at Guernsey, Torquay, and Wexhampton; on the 19th at Guernsey, Torquay, and Wexhampton; on the 20th at Guernsey, Torquay, and Wexhampton; on the 21st at Guernsey, Torquay, and Wexhampton; on the 22nd at Guernsey, Torquay, and Wexhampton; on the 23rd at Guernsey, Torquay, and Wexhampton; on the 24th at Guernsey, Torquay, and Wexhampton; on the 25th at Guernsey, Torquay, and Wexhampton; on the 26th at Guernsey, Torquay, and Wexhampton; on the 27th at Guernsey, Torquay, and Wexhampton; on the 28th at Guernsey, Torquay, and Wexhampton; on the 29th at Guernsey, Torquay, and Wexhampton; on the 30th at Guernsey, Torquay, and Wexhampton.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. |
|---------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | gr. | | grs. | ° | ° | | | | | | | in | | |
| Guernsey | 29.651 | 72.2 | 32.8 | 39.4 | 57.7 | 65.1 | 30.7 | 11.6 | 50.8 | 46.6 | 324 | 3.7 | 0.6 | 86 | 539 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Truro | 29.649 | 78.0 | 28.0 | 50.0 | 61.2 | 43.3 | 40.3 | 17.9 | 49.8 | 44.4 | 300 | 3.4 | 0.6 | 82 | 543 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Plymouth | 29.659 | 74.5 | 34.5 | 40.0 | 59.8 | 45.7 | 31.7 | 13.1 | 52.0 | 46.6 | 321 | 3.6 | 0.7 | 82 | 541 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Totnes | 29.657 | 74.7 | 27.6 | 47.1 | 61.2 | 41.8 | 35.7 | 19.4 | 50.9 | 44.2 | 307 | 3.1 | 0.9 | 79 | 542 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Torquay | 29.693 | 72.8 | 33.1 | 39.7 | 58.5 | 44.1 | 31.8 | 14.1 | 50.4 | 44.0 | 292 | 3.3 | 0.9 | 79 | 538 | 115.4 | 36.0 | 1.3 | 8 | 8 | 6 | 8 | 5.2 | 6.9 | 42 | 6.30 |
| Ventnor | 29.652 | 73.5 | 32.3 | 41.2 | 59.9 | 46.3 | 31.3 | 13.6 | 51.3 | 45.5 | 322 | 3.7 | 0.7 | 85 | 542 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Osborne | 29.650 | 73.3 | 31.5 | 38.8 | 58.7 | 43.7 | 30.4 | 13.0 | 51.9 | 47.5 | 335 | 3.8 | 0.7 | 85 | 539 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Southbourne | 29.655 | 76.1 | 30.2 | 45.9 | 58.7 | 43.9 | 36.8 | 14.8 | 50.5 | 45.8 | 290 | 3.3 | 0.9 | 78 | 543 | 109.7 | 41.1 | 0.7 | 13 | 10 | 6 | 10 | 8 | 4.9 | 32 | 5.13 |
| Brighton | 29.718 | 79.0 | 31.0 | 48.0 | 61.6 | 45.0 | 36.4 | 16.6 | 52.1 | 44.5 | 362 | 3.4 | 1.1 | 76 | 538 | 104.7 | 39.8 | 1.0 | 7 | 7 | 8 | 8 | 6.0 | 31 | 4.10 | |
| Salisbury | 29.666 | 84.0 | 24.5 | 59.5 | 65.5 | 39.8 | 47.5 | 25.7 | 51.6 | 45.6 | 308 | 3.6 | 0.9 | 80 | 539 | 115.3 | 37.5 | 1.1 | 8 | 7 | 10 | 6 | 6.4 | 42 | 4.95 | |
| Barnstaple | 29.652 | 77.0 | 32.0 | 45.0 | 63.6 | 48.3 | 33.3 | 15.3 | 54.2 | 48.6 | 311 | 3.5 | 1.2 | 72 | 539 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Strathfield Turgiss | 29.673 | 81.2 | 25.8 | 55.4 | 63.3 | 41.6 | 44.4 | 21.7 | 51.4 | 45.5 | 307 | 3.5 | 0.8 | 81 | 539 | 115.8 | 36.3 | 1.3 | 6 | 7 | 7 | 10 | 2.0 | 5.7 | 34 | 4.69 |
| Bath | 29.655 | 73.9 | 28.9 | 45.0 | 58.8 | 42.8 | 35.3 | 16.0 | 49.6 | 44.6 | 302 | 3.6 | 0.6 | 82 | 540 | 113.9 | 37.5 | 1.2 | 9 | 5 | 8 | 9 | 6.5 | 44 | 4.87 | |
| Marlborough | 29.672 | 78.3 | 27.1 | 51.2 | 60.5 | 42.3 | 40.3 | 18.1 | 50.5 | 45.5 | 285 | 3.3 | 0.9 | 77 | 535 | 112.9 | 39.0 | 0.7 | 7 | 8 | 7 | 8 | 6.2 | 44 | 4.67 | |
| Blackheath | 29.678 | 84.0 | 31.2 | 52.8 | 63.4 | 45.5 | 42.8 | 17.9 | 52.5 | 44.0 | 305 | 3.4 | 1.2 | 74 | 539 | 115.7 | 38.8 | 0.7 | 6 | 7 | 11 | 1 | 5.7 | 34 | 4.90 | |
| Royal Observatory | 29.666 | 84.8 | 28.2 | 56.6 | 64.0 | 43.3 | 45.3 | 20.8 | 53.0 | 45.2 | 306 | 3.5 | 1.1 | 76 | 538 | 117.9 | 36.7 | 1.0 | 10 | 6 | 7 | 8 | 6.1 | 25 | 8.38 | |
| Camden Square | 29.685 | 85.6 | 29.3 | 56.3 | 65.0 | 44.6 | 44.2 | 20.4 | 53.2 | 43.8 | 290 | 3.4 | 1.3 | 70 | 539 | 101.9 | 41.0 | 1.4 | 6 | 5 | 7 | 1 | 5.7 | 32 | 4.88 | |
| Barnet | 29.719 | 83.9 | 22.4 | 61.5 | 63.4 | 40.5 | 48.1 | 22.8 | 50.8 | 43.8 | 284 | 3.3 | 1.3 | 76 | 540 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Oxford | 29.664 | 78.0 | 29.8 | 48.2 | 61.6 | 44.8 | 38.2 | 16.8 | 52.8 | 45.6 | 310 | 3.5 | 1.1 | 77 | 537 | 112.7 | 38.8 | 0.7 | 6 | 7 | 8 | 7 | 6.2 | 40 | 6.51 | |
| Royston | 29.696 | 83.1 | 28.7 | 54.4 | 64.0 | 43.1 | 45.3 | 20.9 | 51.3 | 45.5 | 310 | 3.4 | 0.9 | 81 | 538 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Bedford | 29.698 | 85.6 | 25.0 | 60.6 | 64.0 | 42.4 | 48.3 | 21.6 | 52.0 | 44.0 | 293 | 3.4 | 1.1 | 74 | 541 | 98.4 | 40.2 | 1.0 | 11 | 5 | 6 | 8 | 5.9 | 26 | 8.48 | |
| Cambridge | 29.644 | 85.7 | 23.0 | 62.7 | 64.9 | 42.4 | 49.3 | 22.5 | 51.8 | 45.6 | 311 | 3.5 | 0.9 | 80 | 541 | 130.5 | 37.3 | 1.0 | 5 | 8 | 8 | 10 | 6.5 | 34 | 4.61 | |
| Rugby | 29.695 | 80.2 | 24.0 | 56.2 | 61.8 | 41.6 | 44.1 | 20.2 | 50.6 | 44.7 | 300 | 3.4 | 0.8 | 81 | 537 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Lowestoft | 29.674 | 77.0 | 27.9 | 49.1 | 56.1 | 43.9 | 36.9 | 12.2 | 49.4 | 44.0 | 250 | 3.3 | 0.8 | 82 | 544 | 105.1 | 40.6 | 0.5 | 6 | 8 | 8 | 8 | 6.6 | 34 | 6.02 | |
| Somerleyton | 29.638 | 77.3 | 27.3 | 50.0 | 58.4 | 43.1 | 35.5 | 15.3 | 49.3 | 45.4 | 306 | 3.4 | 0.6 | 84 | 544 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Wolverhampton | 29.735 | 74.5 | 24.8 | 47.7 | 59.6 | 41.1 | 39.7 | 18.5 | 48.7 | 44.6 | 306 | 3.4 | 0.8 | 77 | 534 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Leicester | 29.691 | 80.7 | 27.0 | 53.7 | 61.8 | 43.5 | 41.6 | 18.3 | 51.7 | 43.8 | 304 | 3.3 | 1.1 | 75 | 538 | 107.5 | 34.9 | 0.5 | 9 | 6 | 7 | 8 | 6.4 | 39 | 8.32 | |
| Nottingham | 29.639 | 87.7 | 24.8 | 62.9 | 63.4 | 42.6 | 46.4 | 20.8 | 51.5 | 43.2 | 284 | 3.2 | 1.2 | 73 | 539 | 93.8 | 40.8 | 0.2 | 6 | 8 | 9 | 7 | 2.0 | 6.1 | 37 | 8.06 |
| Burslem | 29.676 | 72.3 | 35.2 | 46.1 | 59.9 | 42.6 | 36.7 | 17.3 | 50.0 | 42.4 | 274 | 3.2 | 1.0 | 75 | 533 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Llandudno | 29.696 | 70.0 | 32.5 | 37.5 | 57.1 | 45.1 | 27.3 | 12.0 | 50.5 | 43.0 | 282 | 3.2 | 1.0 | 74 | 542 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Liverpool | 29.687 | 74.9 | 34.3 | 40.6 | 57.8 | 45.3 | 39.6 | 12.5 | 50.3 | 42.2 | 273 | 3.1 | 1.1 | 75 | 543 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Bolton | 29.712 | 74.2 | 28.1 | 46.1 | 58.2 | 41.6 | 34.7 | 16.6 | 48.9 | 41.6 | 269 | 3.0 | 1.0 | 75 | 536 | 74.0 | 34.9 | 1.5 | 7 | 8 | 7 | 8 | 3.2 | 6.7 | 39 | 7.43 |
| Halifax | 29.742 | 77.0 | 28.4 | 48.6 | 59.8 | 41.2 | 39.0 | 18.6 | 48.9 | 40.9 | 255 | 2.9 | 1.0 | 73 | 536 | 97.4 | 37.8 | 0.8 | 6 | 7 | 8 | 10 | 6.7 | 37 | 7.75 | |
| Hull | 29.693 | 79.0 | 28.0 | 51.0 | 61.0 | 41.4 | 42.0 | 19.6 | 50.7 | 41.8 | 268 | 3.0 | 1.0 | 73 | 541 | 85.1 | 40.6 | 1.4 | 4 | 9 | 10 | 7 | 6.5 | 36 | 6.73 | |
| Stonyhurst | 29.693 | 75.0 | 27.0 | 48.9 | 60.6 | 41.0 | 37.2 | 19.6 | 49.3 | 42.2 | 271 | 3.1 | 0.9 | 76 | 538 | 115.3 | 39.7 | 1.0 | 4 | 7 | 6 | 9 | 7.2 | 34 | 8.39 | |
| Bradford | 29.639 | 75.0 | 27.1 | 42.9 | 58.9 | 44.3 | 33.8 | 14.7 | 50.2 | 41.2 | 263 | 3.1 | 1.0 | 76 | 537 | 79.5 | 39.7 | 0.9 | 4 | 8 | 6 | 13 | 6.4 | 42 | 6.73 | |
| Leeds | 29.641 | 79.0 | 31.0 | 48.0 | 61.1 | 44.3 | 35.3 | 16.7 | 51.1 | 45.8 | 314 | 3.9 | 0.6 | 85 | 540 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Lancaster | 29.653 | 71.0 | 23.0 | 43.0 | 58.8 | 41.9 | 32.7 | 16.9 | 49.9 | 41.6 | 266 | 3.0 | 1.1 | 74 | 542 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Silloth | 29.683 | 72.5 | 28.4 | 44.1 | 57.7 | 41.7 | 33.8 | 16.0 | 48.8 | 42.1 | 271 | 3.1 | 0.8 | 77 | 545 | 108.5 | 38.9 | 1.4 | 5 | 9 | 12 | 7 | 5.3 | 39 | 5.57 | |
| Carlisle | 29.695 | 76.8 | 25.8 | 51.0 | 60.6 | 40.0 | 41.4 | 20.6 | 49.0 | 43.2 | 281 | 3.2 | 0.7 | 80 | 549 | 97.7 | 32.0 | 0.9 | 4 | 9 | 5 | 12 | 3.6 | 7.5 | 33 | 5.70 |

The highest temperatures of the air were at Nottingham, 87°·7; at Cambridge, 85°·7; and at Camden Square and Bedford, 85°·6.

The lowest temperatures of the air were at Barnet, 22°·4; at Cambridge, 23°·0; and at Rugby, 24°·0.

The greatest ranges of temperature were at Salisbury, 25°·7; at Barnet, 23°·8; and at Cambridge, 23°·5.

The least daily ranges of temperature were at Guernsey, 11°·6; at Llandudno, 12°·0; and at Lowestoft, 12°·2.

The greatest number of days of rain were at Marlborough, Burslem, and Bath 44; at Totnes, 43; and at Torquay, Salisbury, and Bradford, 42.

The least number of days of rain were at Royston, 25; at Bedford, Bath, and Llandudno, 26; and at Barnet, 28.

The greatest falls of rain were at Bath, 8.87 inches; Cambridge, 8.61 inches; and at Stonyhurst, 8.39 inches.

The least falls of rain were at Liverpool, 3.83 inches; at Llandudno, 3.95 inches; and at Brighton, 4.10 inches.

QUARTERLY METEOROLOGICAL TABLE FOR DIFFERENT PARALLELS OF LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Range of the Thermometer in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | RAIN. Mean Amount col- lected. |
|--|-------------|---|---|--|---|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|----|-----------------------|-----------------------|----------------------------|--|
| | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | - - - | 29.651 | 72.2 | 32.8 | 39.4 | 57.7 | 65.1 | 30.7 | 11.6 | 50.8 | 46.6 | 324 | 3.7 | 0.6 | 86 | 539 | 108.8 | 41.2 | 0.7 | 11 | 5 | 7 | 7 | 2.7 | 5.5 | 40 | 6.56 |
| Between the latitudes | 50° and 51° | 29.669 | 75.9 | 30.9 | 43.5 | 1.006 | 44.4 | 35.4 | 16.2 | 51.1 | 45.1 | 334 | 3.4 | 0.8 | 81 | 541 | 113.3 | 39.6 | 1.3 | 8 | 8 | 7 | 8 | 5.7 | 5.8 | 36 | 5.58 |
| | 51° and 52° | 29.676 | 81.1 | 27.9 | 53.2 | 62.9 | 43.4 | 41.9 | 19.6 | 52.0 | 46.6 | 321 | 3.5 | 1.1 | 77 | 539 | 108.8 | 41.2 | 1.3 | 8 | 8 | 7 | 8 | 5.7 | 5.8 | 36 | 5.58 |
| | 52° and 53° | 29.683 | 77.4 | 32.1 | 45.3 | 61.3 | 42.6 | 42.7 | 18.7 | 50.0 | 44.0 | 323 | 3.3 | 0.9 | 78 | 539 | 108.8 | 38.8 | 0.7 | 8 | 8 | 7 | 8 | 4.2 | 6.3 | 36 | 5.58 |
| | 53° and 54° | 29.690 | 75.1 | 29.9 | 45.5 | 55.2 | 42.9 | 34.8 | 16.4 | 50.2 | 44.0 | 323 | 3.1 | 0.9 | 75 | 540 | 90.3 | 38.3 | 1.1 | 4 | 8 | 7 | 8 | 6.5 | 3.5 | 36 | 5.58 |
| | 54° and 55° | 29.674 | 74.7 | 27.1 | 47.6 | 59.2 | 40.8 | 37.6 | 18.3 | 48.9 | 42.7 | 276 | 3.1 | 0.8 | 79 | 543 | 103.1 | 35.5 | 1.2 | 5 | 9 | 7 | 12 | 5.7 | 6.4 | 36 | 5.58 |
| Mean for the Quarter. 50° to 55° | Year 1880 | 29.661 | 76.0 | 31.5 | 45.5 | 55.9 | 43.8 | 35.7 | 16.1 | 50.6 | 44.4 | 297 | 3.5 | 0.8 | 80 | 539 | 104.5 | 38.5 | 1.2 | 7 | 8 | 6 | 9 | 4.6 | 6.4 | 41 | 5.94 |
| | " 1881 | 29.705 | 78.6 | 26.5 | 51.6 | 61.1 | 43.1 | 14.8 | 17.9 | 51.0 | 43.9 | 304 | 3.3 | 1.0 | 77 | 541 | 107.2 | 38.6 | 1.2 | 8 | 8 | 6 | 10 | 4.2 | 6.9 | 36 | 5.94 |
| | " 1882 | 29.583 | 73.6 | 32.6 | 43.7 | 60.8 | 43.8 | 16.4 | 16.7 | 51.1 | 44.8 | 303 | 3.4 | 0.9 | 81 | 538 | 108.5 | 38.9 | 1.2 | 8 | 8 | 7 | 9 | 4.7 | 6.3 | 36 | 5.94 |
| | " 1883 | 29.673 | 77.4 | 32.3 | 49.1 | 60.6 | 42.7 | 38.6 | 17.9 | 50.5 | 43.7 | 289 | 3.3 | 0.9 | 78 | 539 | 106.5 | 37.8 | 1.1 | 7 | 8 | 7 | 9 | 4.6 | 6.2 | 35 | 6.11 |

reading passed below the average, and continued so with few exceptions till September 11th; then for 8 days there was an excess of pressure; and from the 20th to the end of the quarter there was a deficiency of 0.27 in. daily.

| 1883. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|------|----------------|--|--------------|--|------------|--|----------------------|--|-----------------------------|--|---|--|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | |
| | | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. |
| | | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | in. |
| July - | 59.9 | -1.8 | -2.3 | 56.2 | -1.5 | 53.0 | -1.0 | 19.3 | -1.7 | 402 | -0.016 | 4.5 | -0.3 |
| Aug. - | 61.9 | +1.0 | +0.6 | 57.7 | +0.2 | 54.1 | +0.1 | 21.2 | +1.6 | 419 | +0.000 | 4.6 | -0.1 |
| Sept. - | 56.8 | +0.3 | -0.3 | 54.5 | +0.5 | 52.4 | +1.3 | 16.7 | -1.6 | 394 | +0.015 | 4.4 | 0.0 |
| Means - | 59.5 | -0.2 | -0.7 | 56.1 | -0.3 | 53.2 | +0.1 | 19.1 | -0.6 | 405 | 0.000 | 4.5 | -0.1 |

| 1883. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Hor- izontal move- ment of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----|---------------------------|--|-----------------------------|--|--------------------------------------|--|--------------|--|---|----------------------------------|---------------|----------------|---|--|
| | | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Amount. | Diff. from ave- rage of 67 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | | | | |
| | | | | | | | | | | | Be- tween 30° and 40°. | Above 40°. | | | |
| July - | 78 | + 2 | in. 29.688 | in. -0.109 | grs. 528 | grs. 0 | in. 1.99 | in. -0.57 | Miles. 273 | 0 | 3 | 28 | ° 37.2 | ° 59.1 | |
| Aug. - | 76 | - 1 | 29.841 | +0.060 | 529 | + 1 | 0.72 | -1.71 | 252 | 0 | 7 | 24 | 32.8 | 56.0 | |
| Sept. - | 86 | + 5 | 29.648 | -0.154 | 531 | - 2 | 3.82 | +1.41 | 266 | 0 | 8 | 22 | 32.3 | 56.9 | |
| Means - | 80 | +2 | 29.726 | -0.029 | 529 | 0 | Sum 6.53 | Sum -0.12 | Mean 264 | Sum 0 | Sum 18 | Sum 74 | Lowest 32.3 | Highest 59.1 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (−) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|-----------------------|-------|----------|-------------------------------|---------|----------|-------------------------------|------------|----------|-------------------------------|
| | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 5½ | 2½ | +3 | 4 | 2½ | +1½ | 5 | 2½ | +2½ |
| N. | 1½ | 3½ | -2 | 0 | 3½ | -3½ | 1 | 4½ | -3½ |
| N.E. | 3½ | 3 | +½ | 0 | 3½ | -3½ | 1 | 5½ | -4½ |
| E. | 0 | 1½ | -1½ | 2½ | 1½ | +1 | 5 | 2½ | +2½ |
| S.E. | 1 | 1 | 0 | 1½ | 1½ | 0 | 2 | 2 | 0 |
| S. | 3½ | 3 | +½ | 1½ | 3½ | -2 | 2 | 3 | -1 |
| S.W. | 8½ | 11 | -2½ | 8½ | 10½ | -2 | 5 | 8 | -3 |
| W. | 10½ | 4½ | +6 | 13 | 4½ | +8½ | 9 | 3 | +6 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of July are opposite to W. and N.W.; in August to W. and N.W.; and in September to W. and N.W.

The minus sign (−) denotes deficiencies below averages. In July the largest numbers are opposite to N.E. and N.; in August to N. and N.E.; and in September to N.E. and N.

The mean reading of the barometer for the month of July at the height of 160 feet above the level of the sea was 29.688 ins., being 0.109 in. below the average of 42 years; 0.012 in. lower than that in 1882; and 0.137 in. lower than that in 1881.

The mean reading of the barometer for the month of August was 29.841 ins., being 0.060 in. above the average of 42 years, 0.101 in. above that in 1882, and 0.165 in. above that in 1881.

The mean reading of the barometer for the month of September was 29.648 ins., being 0.154 in. below the average of 42 years, 0.039 in. below that in 1882, and 0.153 in. below that in 1881.

(From the preceding 42 years' observations the mean pressure of July is 0.008 in. lower than in June; that in August is 0.016 in. lower than in July, and that in September is 0.021 in. higher than in August.)

From June to July there was a decrease of pressure at stations south of 51° of 0.081 in.; between 51° and 52° of 0.105 in.; between 52° and 53° of 0.134 in.; between 53° and 54° of 0.149 in. and north of 54° of 0.170 in.

From July to August there was an increase of pressure at stations south of 51° of 0.160 in.; between 51° and 52° of 0.159 in.; between 52° and 53° of 0.165 in.; between 53° and 54° of 0.165 in., and north of 54° of 0.119 in.

From August to September there was a decrease at stations south of 51° of 0.212 in.; between 51° and 52° of 0.198 in.; between 52° and 53° of 0.183 in.; between 53° and 54° of 0.162 in., and north of 54° of 0.140 in.

Thunderstorms occurred in July on the 2nd at Guernsey, Osborne, Strathfield Turgiss, and Halifax; on the 3rd at Osborne, Marlborough, Cardington, Leicester and Halifax; on the 4th at Lowestoft, Wolverhampton, and Carlisle; on the 5th at Carlisle; on the 13th and 14th at Cardington; on the 14th at Truro, Osborne, Lowestoft, and Somerleyton; on the 15th at Osborne, Bath, and Cambridge; on the 21st at Cardington and Cambridge; on the 23rd at Bath; on the 31st at Strathfield Turgiss, Cardington, Lowestoft, and Somerleyton.

In August on the 8th at Barnet; and on the 9th at Silloth.

In September on the 20th at Torquay; and on the 21st at Ventnor.

Thunder was heard but lightning was not seen in July, on the 2nd at Wolverhampton; on the 3rd at Whitechurch, Cambridge, and Wolverhampton; on the 4th at Whitechurch; on the 11th at Cambridge; on the 13th at Truro, Bath, Marlborough, and Somerleyton; on the 14th at Strathfield Turgiss, Bath, Marlborough, Cambridge, and Wolverhampton; on the 15th at Marlborough and Wolverhampton; on the 21st at Osborne, Marlborough, and Somerleyton; on the 23rd and 24th at Carlisle; on the 25th at Cambridge; on the 26th at Whitechurch; and on the 31st at Marlborough.

In August, on the 3rd at Royston; on the 8th at Whitechurch and Halifax; on the 12th and 14th at Stonyhurst; and on the 22nd at Lowestoft.

In September on the 2nd at Whitechurch; on the 3rd at Silloth; on the 15th at Burslem, Bolton, and Stonyhurst; on the 18th at Stonyhurst and Silloth; on the 22nd at Torquay and Hull; on the 28th at Silloth.

Lightning was seen but thunder was not heard in July on the 2nd at Bath and Cambridge; on the 3rd at Bath, Whitechurch, Cambridge, and Lowestoft; on the 14th and 25th at Cambridge.

In August, on the 6th at Torquay, Osborne, and Oxford; and on the 26th at Stonyhurst and Carlisle.

In September, on the 18th at Stonyhurst; and on the 20th at Whitechurch, Cardington, Rugby, and Wolverhampton.

Solar halos were seen in July on the 1st at Halifax; on the 8th at Lowestoft; on the 19th at Strathfield Turgiss; on the 20th at Halifax; and on the 21st at Lowestoft.

In August, on the 5th at Stonyhurst; on the 12th at Halifax; on the 16th at Torquay and Stonyhurst; on the 19th at Torquay, Oxford, Burslem, and Halifax; on the 20th at Stonyhurst; on the 25th at Halifax; on the 26th and 27th at Torquay and Halifax.

In September, on the 4th at Stonyhurst; and on the 5th, 7th, 17th, 23rd, and 25th at Torquay.

Lunar halos were seen in July, on the 18th at Bolton; and on the 19th at Lowestoft and Halifax.

In August, on the 11th at Ventnor; on the 16th at Ventnor and Halifax; on the 18th at Totnes, Torquay, and Halifax; on the 19th at Torquay and Oxford; and on the 21st at Halifax.

In September, on the 16th at Stonyhurst; and on the 19th at Cambridge.

Aurora borealis was seen in August, on the 6th at Whitechurch.

In September, on the 5th at Silloth.

Snow fell in July, on the 15th at Whitechurch.

Hail fell in July on the 3rd at Whitechurch; on the 4th at Wolverhampton; on the 14th at Truro and Somerleyton; on the 15th at Marlborough, Cambridge, and Stonyhurst; on the 21st at Truro and Whitechurch; on the 23rd at Bath.

In August, on the 3rd at Halifax; and on the 10th at Osborne.

In September, on the 16th and 17th at Stonyhurst; and on the 29th at Blackheath.

Fog prevailed in July, on the 19th at Stonyhurst; on the 24th and 27th at Bath; and on the 31st at Stonyhurst.

In August, on the 3rd at Stonyhurst; on the 4th at Strathfield Turgiss, Whitechurch, Barnet, Cardington, and Stonyhurst; on the 5th at Stonyhurst; on the 16th and 17th at Guernsey; on 19th at Barnet and Royston; on the 20th at Totnes and Torquay; on the 22nd and 24th at Bath; on the 25th at Bath, Barnet, Oxford, and Royston; on the 26th at Truro and Bath; on 27th at Guernsey; and on the 31st at Torquay.

In September, on the 1st at Cambridge; on the 4th at Torquay; on the 8th and 9th at Bolton; on the 10th at Guernsey; on the 13th at Blackheath, Cambridge, and Bolton; on the 14th at Cambridge; on the 15th at Bolton; on the 16th at Guernsey, Ventnor, Whitechurch, Blackheath, Cardington, Cambridge, and Bolton; on the 17th at Plymouth, Torquay, Ventnor, Whitechurch, Blackheath, Cambridge, Wolverhampton, Llandudno, and Hull; on the 18th at Whitechurch, Blackheath, Cambridge, Wolverhampton, Bolton, and Hull; on the 19th at Torquay, Blackheath, Cambridge, and Wolverhampton; on the 21st at Cambridge and Wolverhampton; on the 23rd at Whitechurch, Cardington, and Wolverhampton.

| Year 1881. | Months. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | Wind. | | | Mean Amount of Cloud. | Rain. | |
|--|---------|--|-------|--------|------------------------------|---------|--------|----------------------|---------------------------|------|------|-----------------------------|-------|-----|
| | | Height of Station. | | | Mean | | | | Relative Proportion of | | | | | |
| | | feet. | Mean. | Range. | Highest. | Lowest. | Range. | | N. | E. | S. | | | W. |
| GUPPENNEY, ADOLPHUS COLLETTES, Esq., F.M.S. | July | 29-641 | 0-873 | 74-9 | 47-5 | 27-4 | 64-9 | 58-2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Aug. | 29-780 | 0-594 | 76-3 | 47-0 | 29-3 | 64-2 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Sept. | 29-582 | 1-374 | 69-0 | 48-0 | 21-0 | 63-1 | 53-8 | 0 | 0 | 0 | 0 | 0 | |
| | July | 29-800 | 0-870 | 71-0 | 48-0 | 23-0 | 65-5 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Aug. | 29-959 | 0-623 | 77-0 | 49-0 | 32-0 | 68-7 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Sept. | 29-754 | 1-688 | 71-0 | 39-0 | 32-0 | 64-6 | 53-8 | 0 | 0 | 0 | 0 | 0 | |
| | July | 29-803 | 0-641 | 72-0 | 47-0 | 25-0 | 65-8 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Aug. | 29-969 | 0-638 | 71-1 | 45-0 | 29-1 | 69-8 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Sept. | 29-751 | 1-667 | 68-9 | 43-5 | 24-5 | 63-1 | 51-8 | 0 | 0 | 0 | 0 | 0 | |
| | July | 29-795 | 0-685 | 72-5 | 43-8 | 28-5 | 69-9 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Aug. | 29-955 | 0-639 | 77-7 | 40-1 | 37-6 | 69-4 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Sept. | 29-767 | 1-682 | 72-0 | 35-1 | 33-9 | 64-4 | 49-6 | 0 | 0 | 0 | 0 | 0 | |
| TOTINES (Devon). T. H. EDMONDS, Esq. | July | 29-754 | 0-710 | 73-4 | 48-0 | 29-4 | 65-0 | 51-5 | 0 | 0 | 0 | 0 | 0 | |
| | Aug. | 29-723 | 0-657 | 75-9 | 47-1 | 29-8 | 67-8 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Sept. | 29-526 | 1-644 | 67-4 | 44-7 | 23-7 | 63-8 | 49-6 | 0 | 0 | 0 | 0 | 0 | |
| | July | 29-794 | 0-604 | 70-9 | 47-1 | 27-8 | 65-6 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Aug. | 29-964 | 0-754 | 77-1 | 31-9 | 35-2 | 69-6 | 58-2 | 0 | 0 | 0 | 0 | 0 | |
| | Sept. | 29-728 | 1-415 | 70-4 | 47-8 | 23-6 | 61-7 | 54-2 | 0 | 0 | 0 | 0 | 0 | |
| | April | 29-945 | 1-186 | 65-4 | 39-6 | 34-8 | 55-6 | 38-7 | 17-9 | 46-1 | 39-5 | 24-3 | 0-8 | 7-8 |
| | May | 30-862 | 0-822 | 72-2 | 33-2 | 40-0 | 62-4 | 38-7 | 17-9 | 46-1 | 39-5 | 24-3 | 0-8 | 7-8 |
| | June | 29-907 | 0-595 | 77-2 | 41-7 | 35-5 | 68-8 | 50-6 | 18-2 | 52-4 | 43-1 | 27-9 | 3-1 | 1-1 |
| | July | 29-815 | 0-595 | 72-5 | 46-4 | 28-1 | 67-9 | 53-2 | 14-7 | 59-4 | 39-7 | 37-5 | 4-3 | 1-3 |
| | Aug. | 30-003 | 0-646 | 80-4 | 46-5 | 33-9 | 71-4 | 54-6 | 16-4 | 61-9 | 53-5 | 41-2 | 4-6 | 1-8 |
| | Sept. | 29-749 | 1-274 | 72-2 | 40-9 | 31-3 | 66-2 | 51-8 | 14-4 | 58-1 | 53-5 | 41-2 | 4-6 | 1-8 |
| SOUTHBOURNE, (near) Bourne- mouth (Hants). T. A. COMPTON, Esq., M.D., B.A., F.M.S. | July | 29-720 | 1-512 | 61-5 | 41-0 | 37-5 | 63-2 | 51-2 | 12-0 | 56-5 | 51-0 | 37-6 | 4-7 | 8-2 |
| | Aug. | 29-940 | 0-630 | 77-2 | 46-3 | 30-9 | 63-8 | 54-1 | 12-4 | 60-4 | 54-1 | 41-5 | 4-7 | 1-3 |
| | Sept. | 29-769 | 0-574 | 72-0 | 47-3 | 24-7 | 64-4 | 53-9 | 11-4 | 57-9 | 52-3 | 38-2 | 4-4 | 1-0 |
| | July | 29-688 | 0-606 | 73-1 | 45-2 | 33-9 | 69-5 | 52-5 | 17-0 | 59-1 | 54-3 | 41-5 | 4-8 | 0-9 |
| | Aug. | 29-864 | 0-626 | 83-0 | 48-4 | 34-6 | 72-6 | | | | | | | |

| Year 1883. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | | Temperature of Air in Month. | | | | Mean Temperature. | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. | | | | | | | | |
|------------|------------------------------------|--------------------------------------|---------------------------|--------|--------|----------|------------------------------|--------|-----------------|----------------|-------------------|--------------|------|------------|------------------------------|----------------|-------|----------------------|-----------------------|-----------------------|-------|--|--|-------------------------|-------------------|------------|------------------------|----|----|
| | | | Mean. | | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | | Daily Range. | Air. | Dew Point. | | Elastic Force. | Mean. | Short of Saturation. | | | | Mean Degree of Humidity, $\frac{100}{\text{Sat.}}$. | Maximum Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated. | Relative Proportion of | | |
| | | | Mean. | Range. | | | | | | | | | | | | | | | | | | | | | | | N. | E. | S. |
| July | 29-586 | BARNSTAPLE (Devon), | in. | 75.0 | 76.0 | 75.0 | 47.0 | 29.0 | 69.5 | 55.6 | 12.1 | 60.3 | 55.0 | in. | 87. | Mean | 88 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Aug. | 29-610 | WILLIAM KNILL, Esq., | in. | 76.0 | 77.0 | 76.0 | 48.0 | 37.5 | 65.0 | 57.0 | 12.1 | 54.3 | 54.3 | in. | 87. | Mean | 88 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Sept. | 29-773 | 1380 | in. | 76.0 | 77.0 | 76.0 | 48.0 | 37.5 | 65.0 | 57.0 | 12.1 | 54.3 | 54.3 | in. | 87. | Mean | 88 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| July | 29-668 | STATHFIELD TURGRASS (Hants), | in. | 81.5 | 82.5 | 81.5 | 41.9 | 39.6 | 68.7 | 59.2 | 13.4 | 58.0 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Aug. | 29-832 | REV. C. H. GAFFITH, M.A., F.M.S. | in. | 82.5 | 83.5 | 82.5 | 42.0 | 38.8 | 72.7 | 60.3 | 13.4 | 58.0 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Sept. | 29-832 | 197 | in. | 82.5 | 83.5 | 82.5 | 42.0 | 38.8 | 72.7 | 60.3 | 13.4 | 58.0 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| July | 29-255 | BATH (Somerset), | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Aug. | 29-659 | St. Gregory's College, Downside, | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Sept. | 29-182 | 1396 | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| July | 29-365 | MARLBOROUGH (Wilt), | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Aug. | 29-616 | REV. THOMAS A. PRESTON, M.A., F.M.S. | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Sept. | 29-321 | 1456 | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| July | 29-710 | WHITCHURCH RECTORY (Oxon), | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Aug. | 29-877 | (near Reading), | in. | 76.0 | 77.0 | 76.0 | 46.0 | 28.4 | 63.4 | 59.8 | 12.9 | 57.8 | 51.4 | in. | 88.1 | Mean | 89 | Mean | 121.7 | 45.0 | 1.4 | 1 | 4 | 12 | in. | 4.74 | | | |
| Sept. | 29-685 | 150 | in. | 76.0 | 77.0 | 76 | | | | | | | | | | | | | | | | | | | | | | | |

| Year 1883. | Month. | Height of Station Above Sea Level. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Rain. | | | |
|---|--|---------------------------------------|---------------------------|--------|-------|------------------------------|----------|--------|------------------------|---------|----------------------------|----------------|------------------------------------|---------------------------|-----|-----|-----------------------------|-------|------|-------|------|
| | | | Mean. | Range. | In. | Lowest. | Highest. | Range. | | Mean. | In a cubic foot of Air. | Elastic Force. | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | N. | E. | S. | | | W. | | |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.M.S. | July | 89 | 29.718 | 0.632 | 74.0 | 42.3 | 31.7 | 65.8 | 52.8 | 13.0 | 57.9 | 50.1 | 363 | 4.0 | 1.6 | 0.7 | 5 | 6 | 19 | 3.82 | |
| | Aug. | 89 | 29.702 | 0.702 | 77.0 | 42.5 | 34.5 | 68.0 | 50.2 | 15.8 | 59.7 | 52.3 | 394 | 4.0 | 1.4 | 0.5 | 6 | 7 | 14 | 1.03 | |
| | Sept. | 89 | 29.685 | 1.374 | 71.6 | 40.0 | 31.6 | 64.3 | 51.4 | 17.7 | 55.6 | 51.4 | 378 | 4.0 | 1.1 | 0.6 | 6 | 9 | 10 | 1.70 | |
| | SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.M.S. | July | 80 | 29.768 | 0.634 | 77.5 | 39.0 | 38.8 | 68.8 | 51.3 | 15.5 | 57.4 | 51.4 | 371 | 4.0 | 1.0 | 2 | 10 | 15 | 5.8 | |
| | | Aug. | 80 | 29.763 | 0.826 | 77.5 | 41.8 | 33.7 | 69.0 | 52.4 | 16.7 | 59.0 | 52.4 | 394 | 4.5 | 1.1 | 4 | 9 | 14 | 9.10 | |
| | | Sept. | 80 | 29.749 | 1.326 | 74.0 | 40.0 | 34.0 | 64.6 | 49.9 | 14.7 | 58.3 | 52.0 | 380 | 4.0 | 0.8 | 4 | 6 | 10 | 1.88 | |
| | WOLVERHAMPTON (Staffordshire), The Rectory, Rev. C. J. STEWARD, F.M.S. | July | 200 | 29.322 | 0.728 | 76.7 | 40.5 | 36.2 | 65.2 | 48.5 | 16.7 | 55.5 | 49.0 | 349 | 4.0 | 0.7 | 1 | 12 | 11 | 4.1 | |
| | | Aug. | 200 | 29.464 | 0.767 | 75.5 | 43.5 | 35.1 | 65.1 | 49.6 | 18.5 | 57.5 | 49.7 | 366 | 3.9 | 1.5 | 1 | 11 | 14 | 5.0 | |
| | | Sept. | 200 | 29.253 | 1.608 | 70.5 | 37.8 | 32.7 | 61.8 | 47.5 | 14.3 | 53.6 | 49.5 | 333 | 4.0 | 0.6 | 1 | 11 | 14 | 1.88 | |
| | LEICESTER (Town Museum), J. C. SMITH, Esq. | July | 238 | 29.553 | 0.772 | 80.0 | 40.0 | 37.4 | 61.2 | 46.2 | 16.2 | 58.0 | 50.8 | 373 | 4.2 | 1.2 | 0.6 | 7 | 3 | 15 | 4.53 |
| | | Aug. | 238 | 29.705 | 0.822 | 79.3 | 44.0 | 35.3 | 69.9 | 51.2 | 18.7 | 59.8 | 51.2 | 376 | 4.2 | 1.2 | 0.5 | 7 | 6 | 15 | 4.74 |
| | | Sept. | 238 | 29.539 | 1.526 | 72.2 | 39.4 | 34.1 | 64.7 | 49.9 | 14.8 | 53.9 | 51.1 | 374 | 4.3 | 0.7 | 0.8 | 8 | 4 | 9 | 1.99 |
| NOTTINGHAM (Notte), M.O. TABBOTT, Esq., C.E., F.G.S., F.M.S. | July | 183 | 29.609 | 0.690 | 84.2 | 39.8 | 44.4 | 70.7 | 49.7 | 21.0 | 55.4 | 51.8 | 385 | 4.3 | 1.2 | 0.7 | 8 | 4 | 9 | 5.21 | |
| | Aug. | 183 | 29.766 | 0.832 | 78.1 | 41.2 | 35.9 | 70.9 | 49.8 | 21.1 | 59.1 | 51.9 | 387 | 4.3 | 1.2 | 0.6 | 7 | 5 | 9 | 4.74 | |
| | Sept. | 183 | 29.575 | 1.514 | 73.8 | 38.5 | 35.2 | 64.6 | 48.9 | 15.7 | 55.5 | 50.8 | 373 | 4.2 | 0.8 | 0.8 | 8 | 4 | 9 | 1.99 | |
| BURTON, J. E. WORTH, Esq., C.E., F.M.S. | July | 536 | 29.212 | 0.753 | 75.4 | 42.7 | 32.7 | 65.2 | 49.7 | 15.5 | 55.7 | 50.5 | 368 | 4.1 | 0.8 | 0.9 | 6 | 2 | 14 | 2.979 | |
| | Aug. | 536 | 29.376 | 0.845 | 73.5 | 44.8 | 28.5 | 67.1 | 50.6 | 16.5 | 57.4 | 50.5 | 368 | 4.1 | 1.2 | 0.7 | 6 | 2 | 14 | 1.32 | |
| | Sept. | 536 | 29.182 | 1.587 | 70.3 | 40.0 | 30.0 | 62.0 | 48.5 | 13.5 | 51.1 | 49.7 | 336 | 4.1 | 0.6 | 0.8 | 8 | 10 | 4.63 | | |
| HOLKHAM (Norfolk), JOHN DAVIDSON, Esq., Assistant to the Earl of Leicester. | April | 30 | 29.922 | 1.944 | 67.3 | 22.3 | 45.1 | 53.8 | 34.5 | 19.3 | 43.9 | 39.9 | 247 | 2.8 | 0.4 | 1.2 | 13 | 4 | 2 | 1.567 | |
| | May | 30 | 29.882 | 0.902 | 74.7 | 28.8 | 45.9 | 63.9 | 40.4 | 18.5 | 49.0 | 45.7 | 330 | 2.8 | 0.5 | 0.9 | 10 | 8 | 3 | 1.67 | |
| | June | 30 | 29.909 | 0.726 | 78.7 | 34.9 | 43.8 | 63.9 | 45.6 | 18.3 | 51.0 | 48.8 | 330 | 2.8 | 0.5 | 0.8 | 10 | 8 | 3 | 1.67 | |
| LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | July | 100 | 29.761 | 0.632 | 80.3 | 35.0 | 45.3 | 66.8 | 48.4 | 18.4 | 57.0 | 52.0 | 387 | 4.3 | 0.6 | 0.8 | 12 | 3 | 6 | 2.46 | |
| | Aug. | 100 | 29.859 | 0.844 | 80.7 | 37.2 | 42.5 | 68.6 | 49.4 | 20.2 | 58.4 | 51.5 | 383 | 4.3 | 0.7 | 0.8 | 12 | 3 | 6 | 2.46 | |
| | Sept. | 100 | 29.785 | 1.120 | 69.8 | 38.0 | 31.9 | 63.1 | 45.9 | 17.2 | 54.8 | 50.5 | 367 | 4.1 | 0.7 | 0.8 | 12 | 3 | 6 | 1.12 | |
| LIVERPOOL, The Observatory, JOHN HAINES, Esq., F.R.A.S. | July | 197 | 29.712 | 0.678 | 80.0 | 37.8 | 40.0 | 62.9 | 53.1 | 9.8 | 56.9 | 50.5 | 358 | 4.0 | 1.2 | 0.9 | 5 | 5 | 2 | 5.75 | |
| | Aug. | 197 | 29.832 | 0.800 | 69.0 | 43.8 | 20.2 | 64.6 | 53.9 | 10.7 | 58.5 | 53.7 | 341 | 4.6 | 0.9 | 0.9 | 5 | 5 | 2 | 1.85 | |
| | Sept. | 197 | 29.679 | 1.970 | 65.0 | 40.0 | 22.6 | 61.0 | 52.2 | 8.8 | 56.2 | 50.2 | 366 | 4.0 | 1.1 | 1.0 | 6 | 3 | 4 | 1.85 | |
| BOLTON Sharples (Lancashire), Rev. P. MACKEITH, F.R.A.S., F.M.S. | July | 500 | 29.760 | 0.807 | 73.3 | 49.5 | 24.0 | 64.9 | 54.1 | 10.8 | 57.9 | 52.5 | 397 | 4.4 | 1.0 | 1.2 | 11 | 17 | 11 | 3.28 | |
| | Aug. | 500 | 29.600 | 0.963 | 73.4 | 48.8 | 24.6 | 63.7 | 53.3 | 10.4 | 57.0 | 49.3 | 351 | 5.9 | 1.7 | 0.8 | 11 | 17 | 11 | 3.28 | |
| | Sept. | 500 | 29.564 | 1.647 | 70.0 | 46.5 | 23.5 | 61.6 | 51.6 | 10.0 | 55.3 | 50.2 | 364 | 4.0 | 0.7 | 0.8 | 10 | 8 | 13 | 2.68 | |
| HALIFAX, The Observatory, E. J. CROSSLEY, Esq., F.R.A.S. | July | 330 | 29.271 | 0.528 | 73.9 | 44.0 | 29.9 | 63.2 | 49.5 | 13.7 | 55.0 | 49.7 | 357 | 4.0 | 0.8 | 1.4 | 6 | 2 | 10 | 5.30 | |
| | Aug. | 330 | 29.248 | 1.538 | 72.3 | 41.6 | 30.7 | 61.1 | 48.8 | 12.3 | 53.8 | 49.5 | 333 | 4.0 | 0.6 | 0.8 | 6 | 2 | 10 | 3.76 | |
| | Sept. | 330 | 29.222 | 1.503 | 72.0 | 40.0 | 32.0 | 61.9 | 47.8 | 14.1 | 53.4 | 49.4 | 333 | 3.9 | 0.6 | 0.7 | 6 | 2 | 10 | 3.76 | |
| HULL (Yorkshire), The People's Park, M. E. FEAR. | July | 12 | 29.327 | 0.930 | 77.0 | 42.0 | 35.0 | 69.9 | 49.7 | 20.2 | 59.3 | 51.3 | 375 | 4.3 | 1.0 | 1.2 | 3 | 2 | 9 | 1.33 | |
| | Aug. | 12 | 29.777 | 1.532 | 72.0 | 40.0 | 32.0 | 63.6 | 48.5 | 15.1 | 55.5 | 49.8 | 357 | 4.0 | 0.8 | 1.8 | 3 | 2 | 9 | 1.33 | |
| | Sept. | 12 | 29.777 | 1.532 | 72.0 | 40.0 | 32.0 | 63.6 | 48.5 | 15.1 | 55.5 | 49.8 | 357 | 4.0 | 0.8 | 1.8 | 3 | 2 | 9 | 1.33 | |
| STONTHURST (Lancashire), Rev. S. J. PERRY, F.R.S., F.M.S., F.R.A.S. | July | 333 | 29.410 | 0.927 | 78.0 | 40.9 | 38.1 | 67.7 | 48.7 | 19.5 | 56.0 | 50.2 | 385 | 4.1 | 0.9 | 1.8 | 4 | 1 | 8 | 3.89 | |
| | Aug. | 333 | 29.554 | 0.933 | 73.0 | 41.0 | 37.0 | 67.7 | 48.7 | 19.0 | 54.5 | 48.9 | 373 | 4.1 | 1.0 | 1.8 | 4 | 1 | 8 | 3.89 | |
| | Sept. | 333 | 29.391 | 1.564 | 72.0 | 37.7 | 34.3 | 63.3 | 48.2 | 15.1 | 54.5 | 48.9 | 345 | 3.9 | 1.0 | 1.8 | 4 | 1 | 8 | 3.89 | |

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1883. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | | | |
|---|------------------------------------|--|---------------------------|-------------------------------------|----------------------|------------------------------|----------------------|-------------------|----------------------|-------------------|-------------------|-------------------|------------------------------|-------------------------|-------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------------|-------|-------------------------|-------------------|---------------------|------------------------|----|----|
| | | | Mean. | Range. | In. | Lowest. | Highest. | Range. | Oral Highest. | Oral Lowest. | Daily Range. | Air. | Dew Point. | In a cubic foot of Air. | Mean. | Short of Saturation. | Mean Weight of Air. | | | | | Maximum in Rays of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | N. | S. | W. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRADFORD (Yorkshire), J. McLANE, Esq., C.E., F.G.S. | 366 | July 29-893 Aug. 29-814 Sept. 29-807 | 30.3 30.3 30.3 | 28.0-32.0 27.0-31.0 27.0-31.0 | 31.7 31.6 31.6 | 28.0 27.0 27.0 | 32.0 31.0 31.0 | 3.0 3.0 3.0 | 30.3 29.7 30.1 | 4.0 4.0 4.0 | 3.0 3.0 3.0 | 3.0 3.0 3.0 | 119.4 116.5 116.5 | 48.7 48.7 48.7 | 0.7 0.7 0.7 | 1 1 1 | 6 6 6 | 6.9 6.3 6.3 | 3.82 1.03 1.70 | | | | | | | | |
| LEEDS (Yorkshire), The Philosophical Hall, HENRY CROWTHER, Esq. | 137 | July 29-893 Aug. 29-814 Sept. 29-807 | 30.3 30.3 30.3 | 28.0-32.0 27.0-31.0 27.0-31.0 | 31.7 31.6 31.6 | 28.0 27.0 27.0 | 32.0 31.0 31.0 | 3.0 3.0 3.0 | 30.3 29.7 30.1 | 4.0 4.0 4.0 | 3.0 3.0 3.0 | 3.0 3.0 3.0 | 119.4 116.5 116.5 | 48.7 48.7 48.7 | 0.7 0.7 0.7 | 1 1 1 | 6 6 6 | 6.9 6.3 6.3 | 3.82 1.03 1.70 | | | | | | | | |
| LANCASTER (Southgate), WILLIAM ROPER, Esq. | 114 | July 29-893 Aug. 29-814 Sept. 29-807 | 30.3 30.3 30.3 | 28.0-32.0 27.0-31.0 27.0-31.0 | 31.7 31.6 31.6 | 28.0 27.0 27.0 | 32.0 31.0 31.0 | 3.0 3.0 3.0 | 30.3 29.7 30.1 | 4.0 4.0 4.0 | 3.0 3.0 3.0 | 3.0 3.0 3.0 | 119.4 116.5 116.5 | 48.7 48.7 48.7 | 0.7 0.7 0.7 | 1 1 1 | 6 6 6 | 6.9 6.3 6.3 | 3.82 1.03 1.70 | | | | | | | | |
| SILLOTH (Cumbria), "The Rectory," Rev. F. REDFORD, M.A., F.R.A.S., F.M.S. | 28 | July 29-893 Aug. 29-814 Sept. 29-807 | 30.3 30.3 30.3 | 28.0-32.0 27.0-31.0 27.0-31.0 | 31.7 31.6 31.6 | 28.0 27.0 27.0 | 32.0 31.0 31.0 | 3.0 3.0 3.0 | 30.3 29.7 30.1 | 4.0 4.0 4.0 | 3.0 3.0 3.0 | 3.0 3.0 3.0 | 119.4 116.5 116.5 | 48.7 48.7 48.7 | 0.7 0.7 0.7 | 1 1 1 | 6 6 6 | 6.9 6.3 6.3 | 3.82 1.03 1.70 | | | | | | | | |
| CARLISLE (Cumbria), ISAAC CARTNELL, Esq., F.M.S. | 114 | July 29-893 Aug. 29-814 Sept. 29-807 | 30.3 30.3 30.3 | 28.0-32.0 27.0-31.0 27.0-31.0 | 31.7 31.6 31.6 | 28.0 27.0 27.0 | 32.0 31.0 31.0 | 3.0 3.0 3.0 | 30.3 29.7 30.1 | 4.0 4.0 4.0 | 3.0 3.0 3.0 | 3.0 3.0 3.0 | 119.4 116.5 116.5 | 48.7 48.7 48.7 | 0.7 0.7 0.7 | 1 1 1 | 6 6 6 | 6.9 6.3 6.3 | 3.82 1.03 1.70 | | | | | | | | |

| | | | | | |
|--------------------------------|--------------|-----|---|--------|--------------|
| second Rain-gauges are placed— | | | At Eastbourne, at the height of 160 feet above the sea; the amount collected was 1.73 inches. | | |
| " " | Beachy Head, | " " | May. | June. | July. |
| " " | " " | " " | 2.36 " | 1.44 " | 2.05 inches. |
| " " | Oxford, | " " | 2.38 " | 1.45 " | 0.29 " |
| " " | London, | " " | 2.38 " | 0.68 " | 0.39 " |
| " " | Nottingham, | " " | 1.70 " | 3.43 " | 0.49 " |
| " " | " " | " " | 1.72 " | 3.44 " | 0.90 " |
| " " | Holkham | " " | 1.61 " | 3.92 " | 0.48 " |
| " " | " " | " " | 1.96 " | 3.45 " | 1.22 " |
| " " | " " | " " | " " | 3.45 " | 0.83 " |
| " " | " " | " " | " " | " " | 8.27 " |
| " " | " " | " " | " " | " " | 8.50 " |
| | | | Total in Quarter. | | |
| | | | 3.06 inches. | | |
| | | | 8.38 inches. | | |
| | | | 6.22 " | | |
| | | | 7.19 " | | |
| | | | 8.23 " | | |
| | | | 8.27 " | | |
| | | | 8.50 " | | |

Second Rain-gauges are placed—

| At Eastbourne, at the height of 100 feet above the sea; the amount collected was | April. | May. | June. | July. | August. | September. | Total in Quarter. |
|--|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| " Beachy Head, " " | 1.73 inches. | 2.57 inches. | 1.14 inches. | 2.05 inches. | 0.77 inches. | 3.06 inches. | 8.38 inches. |
| " Oxford, " " | 1.45 " | 2.38 " | 1.45 " | 2.05 " | 0.77 " | 3.06 " | 8.38 " |
| " Cardington, " " | 1.45 " | 2.38 " | 1.45 " | 2.05 " | 0.77 " | 3.06 " | 8.38 " |
| " Nottingham, " " | 1.45 " | 2.38 " | 1.45 " | 2.05 " | 0.77 " | 3.06 " | 8.38 " |
| " Holkham, " " | 1.45 " | 2.38 " | 1.45 " | 2.05 " | 0.77 " | 3.06 " | 8.38 " |

[illegible]

The highest temperatures of the air were at Royal Observatory, $85^{\circ} \cdot 1$; at Blackheath, $85^{\circ} \cdot 0$; and at Camden Square, $84^{\circ} \cdot 7$.

The lowest temperatures of the air were at Salisbury, $34^{\circ}0$; at Barnet, $34^{\circ}3$; and at Carlisle, $34^{\circ}8$.

The greatest ranges of temperature were at Salisbury, $22^{\circ} \cdot 2$; at Whitchurch, $21^{\circ} \cdot 5$; and at Barnet, $20^{\circ} \cdot 9$.

The least daily ranges of temperature were at Llandudno, $9^{\circ} \cdot 8$; at Liverpool, $10^{\circ} \cdot 4$; and at Guernsey, $11^{\circ} \cdot 1$.

The greatest number of days of rain were at Burslem, 64; at Salisbury, 63; and at Totnes, 61.

The least number of days of rain were at Barnet and Somerleyton, 38; and at Cardington, Cambridge, and Holkham, 40.

The greatest falls of rain were at Stonyhurst, 13·16 inches : at Barnstaple, 12·22 inches : and at Bradford, 12·12 inches.

The greatest falls of rain were at Stonyhurst, 13·16 inches; at Barnstaple, 12·22 inches; and at Bradford, 12·18 inches. The least falls of rain were at Somerleyton, 5·95 inches; at Llandudno, 6·35 inches; and at Brighton, 6·52 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all heights at which the Thermometer stands. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Cloud. | RAIN. | | |
|-----------------------------------|--------------|---|--|--|--|----------------------|---------------------|--|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|-----|-----------------------|-----------------------|---------------------------------|-----------------------------|
| | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | N. | E. | S. | W. | Mean Amount of Ozone. | Mean Number of Days it fell. | Mean Amount col- lected. |
| | | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | gr. | grs. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | |
| Guernsey | - - - | 29.525 | 76.3 | 47.0 | 29.3 | 65.0 | 54.0 | 25.9 | 11.1 | 58.5 | 54.6 | .406 | 4.7 | 0.7 | 87 | 829 | 113.8 | 48.1 | 1.0 | 5 | 2 | 7 | 17 | 3.4 | 6.2 | 58 | 10.2 |
| | 50° and 51° | 29.511 | 76.3 | 47.0 | 29.3 | 65.0 | 54.0 | 28.9 | 11.1 | 58.5 | 54.6 | .406 | 4.7 | 0.7 | 87 | 829 | 113.8 | 48.1 | 1.0 | 5 | 2 | 7 | 17 | 3.4 | 6.2 | 58 | 10.2 |
| Between | 51° and 52° | 29.489 | 76.3 | 47.0 | 29.3 | 65.0 | 54.0 | 28.9 | 11.1 | 58.5 | 54.6 | .406 | 4.7 | 0.7 | 87 | 829 | 113.8 | 48.1 | 1.0 | 5 | 2 | 7 | 17 | 3.4 | 6.2 | 58 | 10.2 |
| | 52° and 53° | 29.489 | 76.3 | 47.0 | 29.3 | 65.0 | 54.0 | 28.9 | 11.1 | 58.5 | 54.6 | .406 | 4.7 | 0.7 | 87 | 829 | 113.8 | 48.1 | 1.0 | 5 | 2 | 7 | 17 | 3.4 | 6.2 | 58 | 10.2 |
| | 53° and 54° | 29.489 | 76.3 | 47.0 | 29.3 | 65.0 | 54.0 | 28.9 | 11.1 | 58.5 | 54.6 | .406 | 4.7 | 0.7 | 87 | 829 | 113.8 | 48.1 | 1.0 | 5 | 2 | 7 | 17 | 3.4 | 6.2 | 58 | 10.2 |
| | 54° and 55° | 29.489 | 76.3 | 47.0 | 29.3 | 65.0 | 54.0 | 28.9 | 11.1 | 58.5 | 54.6 | .406 | 4.7 | 0.7 | 87 | 829 | 113.8 | 48.1 | 1.0 | 5 | 2 | 7 | 17 | 3.4 | 6.2 | 58 | 10.2 |
| Mean for the | Quarter 1880 | 29.524 | 82.7 | 41.9 | 40.8 | 68.5 | 52.9 | 34.3 | 15.6 | 59.5 | 54.1 | .420 | 4.7 | 0.7 | 87 | 830 | 109.2 | 45.4 | 1.0 | 6 | 7 | 11 | 3.8 | 6.4 | 44 | 10.12 | |
| " | 1881 | 29.538 | 84.1 | 39.1 | 46.4 | 66.5 | 50.7 | 37.0 | 15.8 | 57.4 | 54.7 | .378 | 4.3 | 0.8 | 81 | 832 | 108.4 | 45.4 | 1.0 | 6 | 7 | 14 | 2.7 | 6.4 | 48 | 9.71 | |
| " | 1882 | 29.480 | 78.3 | 36.1 | 42.2 | 66.3 | 49.9 | 32.6 | 16.4 | 56.9 | 50.9 | .376 | 4.3 | 0.8 | 81 | 830 | 111.6 | 45.9 | 1.0 | 6 | 8 | 12 | 3.7 | 6.2 | 49 | 8.61 | |
| " | 50° to 55° | 29.481 | 77.6 | 39.5 | 38.1 | 66.5 | 50.7 | 32.6 | 16.3 | 55.9 | 50.6 | .368 | 4.1 | 0.9 | 82 | 832 | 109.2 | 44.4 | 1.0 | 4 | 6 | 15 | 5.5 | 6.3 | 50 | 10.44 | |

METEOROLOGY OF ENGLAND.

DURING THE QUARTER ENDING DECEMBER 31, 1883.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING DECEMBER 31ST, 1883.

By JAMES GLAISHER, ESQ., F.R.S., &c.

The weather in October was cold during the first week and from the 18th to the 23rd, and mild at other times, particularly so during the last week of the month. The atmospheric pressure was above its average from the 5th to the 13th, and from the 26th, and was below at other times. The sky was mostly cloudy, with but little sunshine; the fall of rain was less than its average at most stations; there were no thunder storms at stations south of Bolton; and there were two or three at northern stations. Fog was prevalent on seven or eight days at stations in the Midland Counties. Snow fell at Halifax on five days.

The weather in November was mostly cold till the 15th, and warm from the 16th to the end of the month. The pressure of the atmosphere was generally below its average from the 4th to the 26th, particularly so on the 6th and 25th. The sky was generally clouded; there were a few bright days only. Rain fell very frequently, and generally in excess of the average. A little snow fell at different places north of latitude 51° , and fog was prevalent at some places on eight or nine days in the month. Thunder storms occurred at several stations south of $51\frac{1}{2}^{\circ}$, and at stations north of 54° .

The weather in December was variable till the 18th day, the temperature being for a few days together in excess of the average, and then for a few days in defect; from the 19th day to the end of the month the weather was unusually mild. The pressure of the atmosphere was variable, being alternately above and below till the 22nd, and constantly in excess from the 23rd day. The fall of rain was a good deal below the average at nearly every station. Snow fell at a few stations during the first half of the month. There was scarcely any fog till the 15th, and from this day till the end of the month it was unusually prevalent, particularly in the S.E. of England, where fog, frequently very dense, and cloudy dull skies were all but constant. The sun was scarcely visible during the last week of the year. During the greater part of this month, whenever the sky was clear, there was a peculiar glow of light visible both before sunrise and after sunset, and at times even through the clouds.

About London till the 7th of October the average daily deficiency was $5^{\circ}6$; the weather was warmer from the 8th to the 17th, the mean daily excess being $2^{\circ}0$. The six days, October 18th to 23rd, were cold, being in defect of their mean average temperature by $2^{\circ}3$, there were then nine days of warm weather, the daily excess being $5^{\circ}2$. From November 2nd to the 17th the days were cold, the average daily deficiency of mean temperature being $1^{\circ}7$; this was followed by a like period of 16 days of warm weather, the daily excess being $3^{\circ}0$; then for six days, from November 18th to December 3rd, the weather was cold, particularly on the 6th of December, on which day it was $9^{\circ}3$ below the average, the mean daily deficiency of these six days was $6^{\circ}1$; this was followed by five warm days, the average daily excess being $4^{\circ}6$, then four days of cold, the deficiency being $2^{\circ}8$ daily; from the 19th to the end of the year it was warm, and for these 13 days, ending December 31st, the excess was $2^{\circ}3$ daily.

The mean temperature of the air for October was $50^{\circ} \cdot 4$, being $0^{\circ} \cdot 9$ and $0^{\circ} \cdot 4$ above the averages of 112 years and 42 years respectively; it was $0^{\circ} \cdot 4$ lower than in 1882, $5^{\circ} \cdot 1$ higher than in 1881, and $4^{\circ} \cdot 2$ higher than in 1880.

The mean temperature for November was $43^{\circ} \cdot 8$, being $1^{\circ} \cdot 5$ and $0^{\circ} \cdot 3$ above the averages of 112 years and 42 years respectively; it was $0^{\circ} \cdot 3$ higher than in 1882, $4^{\circ} \cdot 9$ lower than in 1881, and $1^{\circ} \cdot 3$ higher than in 1880.

The mean temperature for December was $40^{\circ}\cdot5$, being $1^{\circ}\cdot4$ and $0^{\circ}\cdot6$ above the averages of 112 years and 42 years respectively; it was $0^{\circ}\cdot4$ and $0^{\circ}\cdot7$, respectively, above 1882 and 1881, and $2^{\circ}\cdot7$ lower than in 1880.

The mean temperature for the quarter was $44^{\circ} \cdot 9$, being $1^{\circ} \cdot 3$ and $0^{\circ} \cdot 4$ above the averages of 112 years and 42 years respectively.

The mean high day temperatures for the air in October was $57^{\circ}\cdot 1$, being $1^{\circ}\cdot 0$ lower than the average of 42 years; in November it was $49^{\circ}\cdot 6$, being $0^{\circ}\cdot 7$ higher than the average, and in December was $44^{\circ}\cdot 1$, being $0^{\circ}\cdot 6$ lower than the average.

The mean low night temperature of the air in October was $44^{\circ}\cdot 5$, being $1^{\circ}\cdot 0$ higher than the average of 42 years; in November it was $37^{\circ}\cdot 8$, being $0^{\circ}\cdot 5$ higher than the average; and in December was $36^{\circ}\cdot 2$, being $1^{\circ}\cdot 0$ higher than the average.

Therefore, the high day temperature was cold during the day in October, and warm at night, in November being warm both day and night, and in December the days were cold and the nights warm.

The mean daily range of temperature in October was $2^{\circ} \cdot 0$ smaller than the average, in November it was $0^{\circ} \cdot 3$ greater than the average, and in December it was $1^{\circ} \cdot 4$ smaller than the average. The mean temperature of the air in October

it was $6^{\circ} \cdot 6$ lower than in October, and in December it was $3^{\circ} \cdot 3$ lower than in November.

(From the preceding 2 years' observations the decrease of temperature from September to October is $7^{\circ}.1$; the decrease of temperature from October to November is $6^{\circ}.5$, and the decrease from November to December is $3^{\circ}.6$.)

From September to October there was a decrease of temperature at stations south of 51° of $5^{\circ}5$, between 51° and 52° of $6^{\circ}1$, between 52° and 53° of $6^{\circ}2$, between 53° and 54° of $6^{\circ}6$, and between 54° and 55° of $7^{\circ}1$.

From October to November there was decrease of temperature at stations south of 51° of $5^{\circ}2$, between 51° and 52° of $6^{\circ}6$, between 52° and 53° of $7^{\circ}4$, between 53° and 54° of $6^{\circ}0$, and between 54° and 55° of $6^{\circ}0$.

From November to December there was a decrease of temperature at stations south of 51° of $3^{\circ}4$, between 51° and 52° of $2^{\circ}9$, between 52° and 53° of $2^{\circ}1$, between 53° and 54° of $1^{\circ}7$, and between 54° and 55° of $1^{\circ}4$.

| 1883. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|------|----------------|---|--|-------|--|-------|--|-------|--|--------|---|-------|--|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | | Mean. | Diff. from ave- rage of 112 years. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. |
| | | | | | | | | | | | | | | |
| Oct. - | 59.4 | +0.9 | 0 | 48.4 | +0.5 | 46.2 | +0.3 | 12.6 | -2.0 | 0.313 | +0.002 | 3.6 | -0.2 | |
| Nov. - | 43.8 | +1.5 | +0.3 | 41.9 | +0.5 | 39.8 | +0.4 | 11.8 | +0.3 | 0.245 | -0.002 | 2.8 | -0.1 | |
| Dec. - | 40.5 | +1.4 | +0.6 | 38.7 | +0.2 | 36.3 | -0.3 | 8.0 | -1.4 | 0.214 | -0.004 | 2.5 | -0.1 | |
| Means - | 44.9 | +1.3 | +0.4 | 43.0 | +0.4 | 40.8 | +0.1 | 10.8 | -1.0 | 0.237 | -0.001 | 3.0 | -0.1 | |

| 1883. MONTHS. | | Degrees of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----|-------------------------|--|-----------------------------|--|--------------------------------------|--|--------------|--|---|----------------------------------|---------------------------------|----------------|--|---|
| | | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Mean. | Diff. from ave- rage of 42 years. | Amount. | Diff. from ave- rage of 67 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | | |
| Oct. - | 86 | 0 | 29.800 | +0.052 | grs. 541 | grs. + 1 | in. 1.59 | in. -1.25 | Miles. 294 | 1 | 22 | 8 | 0 | 0 | |
| Nov. - | 85 | - 2 | 29.659 | -0.084 | 546 | - 1 | 2.84 | +0.50 | 322 | 6 | 19 | 5 | 29.6 | 50.1 | |
| Dec. - | 85 | - 4 | 29.983 | +0.195 | 555 | + 4 | 0.83 | -1.18 | 369 | 5 | 26 | 0 | 23.7 | 44.8 | |
| Means - | 86 | - 2 | 29.814 | +0.063 | 547 | + 1 | Sum 5.26 | Sum -1.93 | Mean 318 | Sum 12 | Sum 67 | Sum 13 | Lowest 23.7 | Highest 50.1 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (−) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|-----------|----------|-------------------------|
| | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. | 1883. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3 | 2½ | +½ | 5 | 2½ | +2½ | 11½ | 2½ | +8½ |
| N. | 3 | 3½ | —½ | 4 | 4½ | —½ | 2 | 3 | —1 |
| N.E. | 1 | 3 | —2 | 0 | 4 | —4 | 3 | 2½ | +½ |
| E. | 4 | 1½ | +2½ | 2½ | 2½ | 0 | 2 | 2 | 0 |
| S.E. | 2 | 2 | —2 | 1½ | 2 | —½ | ½ | 2 | —1½ |
| S. | 2 | 4 | —2 | 2 | 4 | —2 | 1½ | 3½ | —2 |
| S.W. | 7 | 10 | —3 | 10½ | 8½ | +2 | 6 | 11 | —5 |
| W. | 9 | 4½ | +4½ | 8½ | 2½ | +6 | 4½ | 4½ | +½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of October are opposite to W. and E.; in November to W. and N.W.; and in December to N.W. and N.E.

The minus sign (−) denotes deficiencies below averages. In October the largest numbers are opposite to S.W., N.E., and S.; in November to N., N.E., and S.; and in December to S.W. and S.

About London the mean daily pressure of the atmosphere till October 4th was below the average by 0.11 in. daily, from the 5th to the 13th it was above by 0.32 in. daily, then for 12 days it was below by 0.10 in. daily; from October 26th to November 3rd, it was above by 0.28 in. daily. A period of 9 days of low readings followed, viz., from November 4th to the 12th, the mean amount for the 9 days being 0.32 in.; from the 13th to the 15th, the barometer readings were above their averages by 0.13 in., and on the 16th and 17th, they were 0.16 in. too low; from the 18th to the 21st, the pressure was in excess averaging 0.08 in.; for 5 days it was below by 0.37 in.; the reading on November 25th, was 28.901 ins., being the lowest mean daily reading

in the quarter; from November 27th to December 2nd, it was above by 0.33 in. daily, for 2 days it was 0.13 in. too low; from December 5th to 9th, it was daily 0.36 in. too high; from December 10th to 16th, it was 0.22 in. below the average; and from December 17th to the end of the year it was high, the average daily excess being 0.30 in. The highest mean daily reading in the quarter was 30.395 ins. on December 25th.

The mean reading of the barometer for the month of October at the height of 160 feet above the level of the sea was 29.800 ins., being 0.092 in. above the average of 42 years; 0.144 in. higher than that in 1882, 0.027 in. lower than in 1881; and 0.095 in. higher than in 1880.

The mean reading of the barometer for the month of November was 29.659 ins., being 0.084 in. below the average of 42 years; 0.127 in. higher than in 1882, 0.126 in. lower than in 1881, and 0.134 in. lower than in 1880.

The mean reading of the barometer for the month of December was 29.983 ins., being 0.195 in. above the average of 42 years, 0.490 in. higher than in 1882, 0.162 in. higher than in 1881; and 0.234 in. higher than in 1880.

From September to October there was an increase of pressure at stations south of 51° of 0.158 in.; between 51° and 52° of 0.153 in.; between 52° and 53° of 0.144 in.; between 53° and 54° of 0.123 in. and north of 54° of 0.103 in.

From October to November there was a decrease of pressure at stations south of 51° of 0.130 in.; between 51° and 52° of 0.156 in., between 52° and 53° of 0.156 in., between 53° and 54° of 0.172 in., and north of 54° of 0.210 in.

From November to December there was an increase of pressure at stations south of 51° of 0.363 in., between 51° and 52° of 0.350 in., between 52° and 53° of 0.336 in., between 53° and 54° of 0.376 in., and north of 54° of 0.406 in.

Thunderstorms occurred in October on the 3rd at Llandudno, Bolton, and Stonyhurst; on the 17th at Stonyhurst; on the 18th at Bolton, Halifax, and Stonyhurst, and on the 24th at Silloth.

In November, on the 6th at Stonyhurst and Silloth; on the 10th at Guernsey; on the 17th at Osborne, Salisbury, and Bath; on the 20th at Bath and Halifax; on the 22nd at Carlisle; on the 24th at Torquay; and on the 25th at Plymouth, Torquay, Ventnor, and Osborne.

In December, on the 4th at Somerleyton; on the 10th at Halifax, and on the 11th at Bolton and Hull.

Thunder was heard but lightning was not seen in October, on the 3rd at Burslem and Bolton; on the 16th at Llandudno and Halifax; on the 17th at Llandudno; on the 18th at Lancaster. In November, on the 7th at Osborne; on the 17th at Whitechurch; on the 24th at Rugby, and on the 25th at Whitechurch.

Lightning was seen but thunder was not heard in October, on the 3rd at Torquay, Oxford, Wolverhampton, and Halifax; on the 19th at Carlisle; on the 20th at Osborne and Stonyhurst, and on the 21st at Oxford.

In November, on the 20th at Carlisle; on the 22nd at Llandudno and Stonyhurst, and on the 25th at Guernsey, Torquay, Whitechurch, Oxford, and Rugby.

In December, on the 3rd at Blackheath, Oxford, Lowestoft, Wolverhampton, and Hull; and on the 6th at Oxford.

Solar halos were seen in October, on the 2nd at Torquay and Oxford; on the 5th and 10th at Torquay; on the 11th at Stonyhurst; on the 12th and 13th at Halifax; and on the 22nd and 23rd at Torquay.

In November, on the 5th at Torquay and Oxford; on the 6th at Torquay; on the 7th, 10th, and 11th at Oxford; on the 21st at Guernsey; on the 23rd at Torquay and Oxford; on the 24th at Torquay, and on the 25th and 29th at Oxford.

In December, on the 2nd at Halifax; on the 12th at Barnet and Oxford; and on the 23rd at Oxford.

Lunar halos were seen in October, on the 11th at Torquay and Silloth; on the 15th at Cambridge; on the 16th at Torquay and Blackheath; and on the 18th at Cambridge.

In November, on the 7th at Torquay; on the 11th at Burslem and Royston; and on the 17th at Torquay and Bolton.

In December, on the 7th at Blackheath; on the 11th at Oxford and Cambridge; and on the 12th at Blackheath.

Aurora borealis was seen in October, on the 5th at Cambridge, Stonyhurst, Carlisle, and Silloth. In November, on the 22nd at Llandudno and Silloth; and on the 28th at Blackheath.

In December, on the 1st at Torquay; and on the 2nd at Torquay and Whitechurch.

Snow fell in October, on the 1st at Cambridge; on the 3rd, 17th, 18th, 19th, and 20th at Halifax.

In November, on the 10th at Burslem and Bradford; on the 14th at Royston and Bradford; on the 15th at Bolton; on the 17th at Rugby; on the 19th at Burslem; on the 20th at Silloth; and on the 23rd at Marlborough.

In December, on the 4th at Somerleyton and Hull; on the 5th at Bolton and Hull; on the 6th at Guernsey, Torquay, Ventnor, Osborne, Southbourne, Strathfield Turgiss, Bath, Marlborough, Whitechurch, Blackheath, Barnet, Oxford, Burslem, Royston, Cardington, Cambridge, Rugby, Wolverhampton, Bolton, Halifax, Silloth and Carlisle; on the 7th at Guernsey; on the 11th at Bolton; on the 14th at Halifax; on the 15th at Bolton, Halifax, and Silloth; on the 16th at Strathfield Turgiss and Rugby; on the 17th at Marlborough, Royston, Cardington, Cambridge, and Hull; and on the 18th at Barnet and Rugby.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31ST, 1883.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1883. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | Mean Weight of Air, cubic foot of Air, = 100. | Mean Degree of Humidity, (Sat. = 100). | Short of Saturation. | Elastic Force. | In a cubic foot of Air. | Mean Reading of Thermometer. | Mean Reading on Grass. | Estimated Strength. | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. | |
|---|------------------------------------|---|----------------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---|--|----------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|----|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | | | | | | | | | | Dew Point. | Relative Proportion of | | | | | |
| | | | | | | | | | | | | | | | | | | | | | N. | E. | | | | W. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUERNSEY, ADOLPHUS COLLETT, Esq., F. R. Met. Soc. | 270 | Oct. 29-741 Nov. 29-617 Dec. 29-588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.588 30.617 30.741 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | 30.741 30.617 30.588 | | |
| TRURO (Cornwall), C. BAKHAM, Esq., M.D., F. R. Met. Soc. | 43 | Oct. 29-917 Nov. 29-788 Dec. 29-758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.758 29.788 29.917 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.758 29.788 29.917 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | 29.917 29.788 29.758 | | |
| PLYMOUTH (Devon), J. MERRIFIELD, Esq., LL.D., F.R.A.S., F. R. Met. Soc. | 69 | Oct. 29-853 Nov. 29-715 Dec. 29-685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.685 29.715 29.853 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.685 29.715 29.853 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | 29.853 29.715 29.685 | | |
| TOTNES (Devon), T. H. EDMONDS, Esq. | 107 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| TORQUAY, Babacombe (Devon), EDWIN E. GAYDE, Esq., F. R. Met. Soc. | 303 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 89 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| OSBORNE (Isle of Wight), J. R. MANN, Esq. | 172 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| BRIGHTON, F. E. SAWYER, Esq., F. R. Met. Soc. | 208 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| SOUTHBORNE, (near) Bourne-mouth (Hants), T. F. R. Met. Soc. | 95 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 138 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| BARSTAPLE (Devon), WILLIAM KNILL, Esq. | 43 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |
| STRATHFIELD TURLISS (Hants), Rev. G. H. GIFFITH, M.A., F. R. Met. Soc. | 107 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | |

| Names of Stations and Observers. | Height of Station above Sea Level. | Year 1883. | Month. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | |
|--|------------------------------------|---|----------------------------|----------------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|--------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------|------------------------|----|--|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Mean. | In a Cubic foot of Air. | Mean Degree of Humidity, &c., = 100. | Maximum in Days of Sun. | Minimum on Grass. | Estimated Strength. | | | | Relative Proportion of | | |
| | | | | | | | | | N. | E. | | | | | | | | | | S. | W. | |
| BATH (Somerset), St. Gregory's College, Downside, F. R. M. ALMOND, O.S.B., F.R. Met. Soc. | 693 | Oct. 29-384 Nov. 29-354 Dec. 29-324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.324 30.354 30.384 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.324 30.354 30.384 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | 30.384 30.354 30.324 | | | | |
| MARKHOLM (Wilt), Rev. THOMAS A. PRESTON, M.A., F.R. Met. Soc. | 43 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| WHITCHURCH RECTORY (Oxon), (near Reading), Rev. J. SLATER, M.A., F.R. Met. Soc. | 150 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 150 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHAMBERLAIN, F.R.S., Astronomer Royal. | 139 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| CAMDEN SQUARE (London), G. J. STOKES, Esq., F.R.S., BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 123 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 210 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| ROYSTON (Hertfordshire), H. E. WOOD, Esq., F.R.A.S., F.R. Met. Soc. | 269 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| BEDFORD, Cardington, Assistant to Mr. J. MCCLAREN, Esq., M.P., S. WHITEHEAD, Esq., M.P. | 105 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| CAMBRIDGE (Trinity College), J. F. R. Met. Soc. | 40 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| RUGBY (Warwickshire), St. Mary's Rectory, Rev. W. LUCKWILL. | 289 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 89 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.R. Met. Soc. | 50 | Oct. 29-831 Nov. 29-693 Dec. 29-663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.663 29.693 29.831 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | 29.831 29.693 29.663 | | | | |

[illegible]

| Year 1885. | Height of Station Above Sea Level. | Names of Stations and Observers. | Temperature of Air in Month. | | | | Mean Tem- perature. | Vapour. | | Mean Weight of Humi- dity. Scale, = 100. | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. | | | | | |
|---------------|---------------------------------------|-------------------------------------|------------------------------|----------|---------|----------|------------------------|----------------|----------------------------|---|------------------------------------|-------------------------|---------------------------|----|--------------------------|--------------------------|----------------------------|------------------------|----|----|------------|----------------------------|----------------------|
| | | | Mean. | Range. | Lowest. | Highest. | | Elastic Force. | In a cubic foot of Air. | | | Short of Saturation. | Relative Proportion of | | | | | | | | | | |
| | | | | | | | | | | | | | | N. | | | | | S. | W. | | | |
| | | | | | | | | | | | | | | | | | | | | | Estimated. | Minimum on Rays of Sun. | Maximum on Grass. |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Months. | Mean. | Range. | Lowest. | Highest. | in. | ft. | in. | grs. | grs. | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | | | |
| Oct. | 29° 58'4 | 1° 48. | 39° 8. | 33° 0. | 41° 8. | 12° 8. | 47° 6. | 48° 4. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | | | |
| Nov. | 29° 52'2 | 1° 52 | 34° 4. | 24° 0. | 39° 4. | 8° 6. | 42° 0. | 39° 1. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | | | |
| Dec. | 30° 06'6 | 1° 57 | 40° 6. | 32° 6. | 43° 9. | 37° 2. | 40° 9. | 58° 4. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | | | |
| Oct. | 29° 735 | 1° 485 | 36° 8. | 25° 2. | 58° 6. | 55° 7. | 39° 6. | 16° 1. | 47° 4. | 41° 9. | ° | ° | ° | ° | ° | ° | ° | ° | | | | | |
| Nov. | 29° 528 | 1° 425 | 37° 4. | 20° 8. | 56° 6. | 48° 7. | 32° 9. | 12° 9. | 41° 4. | 38° 1. | ° | ° | ° | ° | ° | ° | ° | ° | | | | | |
| Dec. | 29° 385 | 1° 505 | 35° 5. | 18° 8. | 35° 7. | 45° 1. | 39° 7. | 35° 3. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | | | |

Second Rain-gauges are placed—

| Second Rain-gauges are placed— | | |
|--------------------------------|------------------------------------|------------------|
| At | Height of 22 feet above the ground | Amount collected |
| At Cardington | 31 | 1.01 |
| " Northampton | 32 | 2.08 |
| " " | 34 | 2.92 |
| " Hockham | 3 | 3.97 |

Hail fell in October, on the 3rd at Torquay and Llandudno; on the 15th at Torquay; on the 16th at Bolton; on the 17th at Whitechurch, Stonyhurst, and Silloth; on the 18th at Stonyhurst and Carlisle; on the 19th at Bolton, Stonyhurst, Lancaster, and Silloth; on the 20th at Torquay, Marlborough, and Bolton; on the 21st at Plymouth; and on the 26th at Torquay.

In November, on the 4th at Stonyhurst; on the 7th and 8th at Guernsey; on the 9th at Stonyhurst; on the 10th at Guernsey, Llandudno, and Stonyhurst; on the 14th at Royston; on the 16th at Guernsey; on the 17th at Osborne, Salisbury, Bath, Oxford, Rugby, Llandudno, and Bolton; on the 18th at Llandudno; on the 19th at Bath, Rugby, Llandudno, Bolton, Halifax, Stonyhurst, Lancaster, and Carlisle; on the 20th at Bath, Barnet, Cardington, Llandudno, Bolton, Halifax, and Lancaster; on the 21st at Royston, Cardington, Bolton, Stonyhurst, Lancaster, and Carlisle; on the 22nd at Guernsey and Bolton; on the 23rd at Guernsey, Oxford, and Bolton; on the 24th at Torquay and Ventnor; on the 26th and 29th at Bolton.

In December, on the 4th at Lowestoft and Somerleyton; on the 5th at Hull; on the 6th at Guernsey, Osborne, Lowestoft, Somerleyton, and Hull; on the 7th at Guernsey; on the 11th at Bolton; on the 12th at Cambridge and Halifax; on the 14th at Burslem, Liverpool, Bolton, and Halifax; on the 15th at Bath, Royston, Liverpool, and Stonyhurst; on the 16th at Guernsey, Truro, and Lowestoft; and on the 17th at Truro.

Fog prevailed in October, on the 6th at Oxford; on the 14th at Guernsey and Blackheath; on the 8th at Torquay, Wolverhampton, Llandudno, Bolton, and Stonyhurst; on the 9th at Torquay, Oxford, Wolverhampton, and Stonyhurst; on the 10th at Guernsey, Marlborough, Whitechurch, Blackheath, Barnet, Oxford, Cardington, Cambridge, Rugby, and Llandudno; on the 11th at Marlborough, Whitechurch, Blackheath, Llandudno, and Bolton; on the 12th at Blackheath, Barnet, Oxford, and Cardington; on the 13th at Whitechurch, Barnet, Royston, Cardington, and Cambridge; on the 14th at Blackheath and Bolton; on the 22nd at Burslem, Wolverhampton, and Bolton; on the 21st at Blackheath and Bolton; on the 26th at Burslem, Wolverhampton, and Bolton; on the 27th at Whitechurch and Oxford; on the 28th at Stratfield Turges, Whitechurch, Barnet, Royston, Cardington, Cambridge, and Bolton; on the 29th at Guernsey, Torquay, Stratfield Turges, Whitechurch, Blackheath, Royston, Cambridge, Rugby, Wolverhampton, and Bolton; on the 30th at Barnet, Oxford, Royston, Cambridge, Rugby, Wolverhampton, and Bolton; and on the 31st at Oxford and Wolverhampton.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|------------------------|----|----|----|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | |
| | in. | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | gr. | | grs. | | | | | | | | | in | | | | |
| Guernsey | 29.781 | 62.0 | 31.0 | 31.0 | 52.5 | 44.7 | 21.1 | 7.7 | 48.2 | 43.3 | 285 | 3.2 | 0.6 | 85 | 540 | 83.5 | 40.5 | 1.2 | 7 | 5 | 7 | 12 | 3.2 | 7.4 | 61 | 11.40 | |
| Truro | 29.734 | 64.0 | 30.0 | 33.0 | 54.3 | 43.3 | 21.3 | 11.1 | 48.1 | 42.2 | 283 | 3.2 | 0.5 | 85 | 545 | 83.5 | 40.5 | 1.2 | 2 | 6 | 7 | 6 | 11 | 3.2 | 7.2 | 58 | 11.55 |
| Plymouth | 29.774 | 62.0 | 28.0 | 34.0 | 52.7 | 41.4 | 23.0 | 11.3 | 46.0 | 43.4 | 284 | 3.2 | 0.5 | 85 | 549 | 83.5 | 40.5 | 1.2 | 1 | 4 | 8 | 5 | 13 | 3.2 | 6.9 | 60 | 8.47 |
| Totnes | 29.821 | 65.3 | 31.7 | 43.6 | 52.8 | 39.8 | 33.8 | 13.0 | 45.4 | 41.7 | 268 | 3.1 | 0.6 | 85 | 543 | 85.6 | 34.1 | 1.5 | 7 | 4 | 7 | 13 | 4.6 | 7.0 | 54 | 8.22 | |
| Torquay | 29.798 | 64.2 | 23.1 | 35.1 | 52.0 | 41.7 | 27.0 | 10.4 | 46.7 | 42.5 | 274 | 3.2 | 0.6 | 85 | 548 | 83.5 | 40.5 | 1.2 | 1 | 8 | 6 | 4 | 13 | 6.3 | 6.9 | 46 | 9.21 |
| Ventnor | 29.710 | 64.4 | 29.3 | 35.1 | 52.6 | 43.5 | 24.2 | 9.1 | 47.7 | 43.1 | 284 | 3.3 | 0.6 | 85 | 546 | 83.5 | 40.5 | 1.2 | 8 | 6 | 4 | 13 | 6.3 | 6.9 | 46 | 9.21 | |
| Osborne | 29.779 | 64.0 | 27.0 | 37.0 | 51.5 | 40.2 | 23.5 | 11.3 | 49.0 | 42.6 | 244 | 3.1 | 0.4 | 89 | 547 | 76.5 | 39.1 | 0.2 | 7 | 4 | 7 | 13 | 6.6 | 6.6 | 46 | 7.85 | |
| Brighton | 29.757 | 61.0 | 29.0 | 35.0 | 49.5 | 40.1 | 25.8 | 9.4 | 44.7 | 40.6 | 253 | 3.0 | 0.5 | 85 | 547 | 76.5 | 39.1 | 0.2 | 9 | 5 | 5 | 12 | 6.5 | 6.1 | 7.88 | | |
| Southbourne | 29.757 | 62.1 | 23.2 | 38.9 | 51.5 | 40.9 | 29.8 | 10.6 | 44.1 | 41.3 | 263 | 3.0 | 0.5 | 84 | 548 | 77.0 | 32.9 | 0.8 | 1 | 10 | 3 | 4 | 13 | 6.5 | 6.4 | 6.72 | |
| Salisbury | 29.740 | 65.0 | 18.0 | 47.0 | 51.4 | 35.7 | 38.7 | 15.7 | 44.6 | 41.2 | 261 | 3.1 | 0.4 | 87 | 547 | 71.6 | 33.7 | 1.2 | 9 | 4 | 7 | 11 | 6.8 | 6.8 | 7.97 | | |
| Barnstaple | 29.748 | 65.0 | 28.0 | 37.0 | 53.1 | 43.5 | 36.8 | 9.6 | 48.0 | 43.3 | 287 | 3.3 | 0.6 | 83 | 546 | 83.5 | 40.5 | 1.2 | 1 | 8 | 6 | 4 | 12 | 4.5 | 5.5 | 15.54 | |
| Bath | 29.735 | 60.8 | 26.3 | 34.5 | 49.0 | 38.8 | 24.6 | 10.2 | 43.8 | 40.4 | 257 | 2.9 | 0.4 | 89 | 540 | 78.4 | 31.6 | 1.0 | 1 | 7 | 4 | 7 | 13 | 6.8 | 6.6 | 13.66 | |
| Stratfield Turgiss | 29.752 | 62.2 | 22.1 | 40.1 | 50.9 | 37.8 | 30.9 | 13.1 | 44.3 | 40.8 | 259 | 3.0 | 0.5 | 85 | 545 | 75.5 | 31.6 | 1.0 | 8 | 2 | 6 | 14 | 1.5 | 6.5 | 33 | 3.44 | |
| Marlborough | 29.750 | 62.1 | 23.4 | 38.7 | 49.3 | 37.3 | 28.4 | 12.0 | 43.1 | 39.7 | 247 | 2.9 | 0.4 | 87 | 541 | 77.0 | 32.9 | 0.8 | 6 | 4 | 7 | 14 | 7.0 | 6.3 | 8.31 | | |
| Whitechurch | 29.735 | 62.3 | 24.7 | 37.6 | 50.0 | 37.1 | 29.3 | 12.9 | 43.7 | 41.2 | 261 | 3.1 | 0.3 | 93 | 549 | 83.5 | 40.5 | 1.2 | 1 | 7 | 5 | 7 | 12 | 6.8 | 6.4 | 4.99 | |
| Blackheath | 29.721 | 64.8 | 29.0 | 35.8 | 49.6 | 39.5 | 24.3 | 10.1 | 44.5 | 40.1 | 254 | 2.9 | 0.5 | 83 | 548 | 69.7 | 32.8 | 1.0 | 5 | 4 | 6 | 15 | 6.9 | 6.4 | 5.42 | | |
| Royal Observatory | 29.731 | 64.6 | 28.4 | 36.2 | 50.3 | 39.5 | 27.4 | 10.8 | 44.9 | 40.8 | 257 | 3.0 | 0.5 | 86 | 547 | 69.7 | 32.8 | 1.0 | 9 | 2 | 4 | 15 | 1.8 | 6.7 | 44 | 5.28 | |
| Camden Square | 29.730 | 61.6 | 23.3 | 38.3 | 50.8 | 39.5 | 27.1 | 11.3 | 43.1 | 40.7 | 259 | 3.0 | 0.5 | 87 | 548 | 67.1 | 35.3 | 0.9 | 5 | 2 | 15 | 1.8 | 6.7 | 44 | 5.28 | | |
| Barnet | 29.708 | 65.0 | 25.6 | 39.4 | 50.8 | 37.5 | 31.7 | 13.3 | 43.9 | 40.1 | 253 | 2.9 | 0.5 | 86 | 548 | 67.1 | 35.3 | 0.9 | 2 | 5 | 10 | 13 | 0.7 | 6.6 | 41 | 5.43 | |
| Oxford | 29.733 | 63.7 | 27.0 | 36.7 | 50.9 | 40.2 | 27.5 | 10.7 | 45.1 | 41.2 | 262 | 3.0 | 0.4 | 87 | 546 | 80.6 | 35.1 | 2.9 | 5 | 3 | 10 | 13 | 0.7 | 6.6 | 41 | 5.43 | |
| Royston | 29.740 | 63.4 | 25.0 | 37.4 | 49.6 | 38.6 | 27.6 | 11.0 | 40.3 | 39.8 | 250 | 2.9 | 0.4 | 87 | 547 | 76.5 | 39.1 | 0.2 | 6 | 3 | 8 | 13 | 6.2 | 4.8 | 5.45 | | |
| Cardington | 29.734 | 65.2 | 24.0 | 41.2 | 50.3 | 38.0 | 29.7 | 12.4 | 43.8 | 40.5 | 257 | 3.0 | 0.5 | 86 | 547 | 69.7 | 32.8 | 1.0 | 7 | 2 | 5 | 16 | 6.1 | 39 | 5.10 | | |
| Cambridge | 29.701 | 65.5 | 22.8 | 42.7 | 50.5 | 38.8 | 31.9 | 11.7 | 44.3 | 41.3 | 258 | 3.0 | 0.3 | 91 | 546 | 83.5 | 40.5 | 1.2 | 4 | 11 | 11 | 11 | 7.0 | 4.6 | 5.49 | | |
| Rugby | 29.674 | 64.0 | 19.0 | 45.0 | 49.9 | 39.3 | 33.2 | 13.6 | 42.8 | 40.1 | 251 | 2.9 | 0.6 | 84 | 547 | 76.5 | 39.1 | 0.2 | 2 | 6 | 3 | 16 | 7.3 | 5.8 | 0.9 | | |
| Lowestoft | 29.660 | 64.5 | 29.2 | 33.7 | 49.8 | 39.8 | 24.5 | 10.0 | 44.9 | 40.3 | 254 | 2.9 | 0.6 | 84 | 547 | 76.5 | 39.1 | 0.2 | 2 | 6 | 3 | 16 | 7.3 | 5.8 | 0.9 | | |
| Somerleyton | 29.659 | 67.3 | 28.1 | 39.2 | 50.0 | 39.6 | 28.2 | 10.4 | 44.3 | 41.6 | 263 | 3.0 | 0.4 | 89 | 549 | 83.5 | 40.5 | 1.2 | 1 | 6 | 2 | 9 | 13 | 4.4 | 6.4 | 5.4 | 9.05 |
| Wolverhampton | 29.749 | 61.3 | 23.3 | 36.6 | 49.3 | 38.7 | 27.1 | 11.3 | 43.1 | 40.7 | 259 | 3.0 | 0.5 | 87 | 548 | 67.1 | 35.3 | 0.9 | 5 | 5 | 8 | 12 | 0.9 | 6.8 | 82 | 7.24 | |
| Nottingham | 29.631 | 63.3 | 21.0 | 45.3 | 49.4 | 37.7 | 31.4 | 11.7 | 44.3 | 41.3 | 258 | 3.0 | 0.3 | 91 | 549 | 63.7 | 32.2 | 1.8 | 3 | 6 | 13 | 9 | 6.5 | 6.1 | 7.24 | | |
| Holkham | 29.642 | 63.3 | 23.7 | 39.6 | 49.3 | 38.4 | 29.8 | 12.9 | 43.6 | 40.0 | 250 | 2.9 | 0.4 | 88 | 549 | 63.7 | 32.2 | 1.8 | 3 | 6 | 13 | 9 | 6.5 | 6.1 | 7.24 | | |
| Burslem | 29.638 | 60.4 | 23.7 | 35.7 | 47.2 | 37.6 | 28.3 | 9.6 | 42.2 | 39.2 | 242 | 2.7 | 0.4 | 90 | 541 | 83.5 | 40.5 | 1.2 | 1 | 5 | 2 | 9 | 14 | 7.4 | 7.1 | 9.67 | |
| Llandudno | 29.619 | 61.0 | 31.8 | 29.2 | 50.7 | 42.7 | 25.7 | 8.0 | 46.9 | 42.1 | 271 | 3.1 | 0.5 | 83 | 545 | 83.5 | 40.5 | 1.2 | 5 | 2 | 18 | 1.8 | 7.4 | 6.2 | 8.87 | | |
| Liverpool | 29.673 | 60.9 | 30.0 | 30.4 | 49.6 | 41.7 | 24.3 | 7.9 | 45.0 | 40.3 | 253 | 2.9 | 0.5 | 84 | 545 | 83.5 | 40.5 | 1.2 | 4 | 8 | 15 | 1.8 | 7.1 | 5.6 | 9.27 | | |
| Bolton | 29.675 | 57.4 | 42.5 | 32.2 | 47.4 | 37.5 | 25.6 | 9.9 | 42.4 | 39.0 | 240 | 2.8 | 0.4 | 88 | 542 | 53.1 | 35.8 | 0.9 | 6 | 5 | 10 | 10 | 3.0 | 7.5 | 6.1 | 17.77 | |
| Halifax | 29.675 | 57.4 | 42.5 | 32.2 | 47.4 | 37.5 | 25.6 | 9.9 | 42.4 | 39.0 | 240 | 2.8 | 0.4 | 88 | 542 | 53.1 | 35.8 | 0.9 | 6 | 5 | 10 | 10 | 3.0 | 7.5 | 6.1 | 17.77 | |
| Hull | 29.675 | 57.4 | 42.5 | 32.2 | 47.4 | 37.5 | 25.6 | 9.9 | 42.4 | 39.0 | 240 | 2.8 | 0.4 | 88 | 542 | 53.1 | 35.8 | 0.9 | 6 | 5 | 10 | 10 | 3.0 | 7.5 | 6.1 | 17.77 | |
| Stonyhurst | 29.676 | 62.1 | 20.7 | 41.4 | 49.2 | 36.9 | 31.6 | 12.8 | 45.0 | 39.0 | 237 | 2.7 | 0.5 | 87 | 544 | 77.0 | 32.9 | 0.8 | 6 | 3 | 17 | 1.8 | 8.1 | 6.3 | 15.94 | | |
| Bradford | 29.636 | 62.4 | 29.0 | 33.4 | 48.7 | 39.9 | 25.9 | 8.9 | 44.0 | 38.9 | 238 | 2.7 | 0.6 | 83 | 543 | 66.8 | 35.8 | 1.3 | 8 | 4 | 6 | 12 | 7.2 | 5.4 | 8.18 | | |
| Leeds | 29.641 | 65.0 | 30.0 | 36.0 | 49.3 | 41.0 | 23.0 | 8.3 | 45.2 | 40.8 | 258 | 3.0 | 0.5 | 83 | 545 | 83.5 | 40.5 | 1.2 | 5 | 3 | 5 | 7 | 12 | 7.4 | 4.8 | 10.18 | |
| Lancaster | 29.630 | 59.0 | 24.0 | 33.0 | 49.7 | 38.6 | 29.3 | 11.0 | 44.2 | 40.1 | 248 | 2.8 | 0.5 | 85 | 547 | 76.5 | 39.1 | 0.2 | 6 | 3 | 9 | 14 | 6.5 | 6.6 | 5.48 | | |
| Silloth | 29.604 | 59.8 | 22.6 | 37.2 | 48.4 | 39.0 | 30.4 | 9.4 | 43.5 | 40.5 | 238 | 2.9 | 0.5 | 89 | 549 | 78.5 | 35.8 | 1.7 | 4 | 5 | 14 | 8.0 | 5.9 | 57 | 10.71 | | |
| Carlisle | 29.620 | 63.8 | 18.8 | 15.0 | 49.6 | 36.3 | 37.0 | 13.3 | 42.8 | 39.1 | 237 | 2.7 | 0.4 | 88 | 543 | 57.1 | 32.6 | 0.9 | 4 | 5 | 6 | 16 | 3.8 | 7.7 | 57 | 10.18 | |

The highest temperatures of the air were at Somerleyton, 67° 3; at Hull, 67° 0; and at Lowestoft, 66° 5.

The lowest temperatures of the air were at Salisbury, 18°; at Carlisle, 18° 8; and at Rugby, 19° 0.

The greatest ranges of temperature were at Salisbury, 15° 7; at Rugby, 13° 6; and at Barnet and Carlisle, 13° 3.

The least daily ranges of temperature were at Guernsey, 7° 7; at Liverpool, 7° 9; and at Leeds, 8° 3.

The greatest number of days of rain were at Nottingham, 82; at Burslem, 71; and at Salisbury, 68.

The least number of days of rain were at Cardington, 59; at Whitechurch and Oxford, 41; and at Blackheath, 43.

The greatest falls of rain were at Bolton, 17.77 inches; at Stonyhurst, 15.92 inches; and at Barnstaple, 15.54 inches.

The least falls of rain were at Stratfield Turgiss, 4.94 inches; at Whitechurch, 4.99 inches; and at Cardington, 5.10 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. Mean Number of Days it fell. Mean Amount col- lected. | | |
|--|---|---|--|--|----------------------|---------------------|--|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|----|-----------------------|-----------------------|---|-------|-------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. E. | S. | W. | | | | | | |
| Guernsey | 29.781 | 62.0 | 31.0 | 31.0 | 52.5 | 44.7 | 21.1 | 7.7 | 48.2 | 43.3 | 285 | 3.2 | 0.6 | 85 | 540 | 83.5 | 40.5 | 1.2 | 7 | 5 | 7 | 12 | 3.2 | 7.4 | 61 | 11.40 | |
| Between the latitudes | 50° and 51° | 29.773 | 63.7 | 26.2 | 37.5 | 52.5 | 41.5 | 28.4 | 11.0 | 47.7 | 43.2 | 271 | 3.2 | 0.5 | 86 | 547 | 81.0 | 36.6 | 1.4 | 7 | 5 | 5 | 13 | 5.5 | 6.7 | 52 | 9.10 |
| | 51° and 52° | 29.740 | 63.6 | 25.5 | 38.1 | 50.6 | 38.8 | 28.8 | 11.8 | 44.6 | 40.9 | 260 | 3.0 | 0.4 | 86 | 547 | 73.7 | 33.9 | 1.2 | 7 | 4 | 7 | 13 | 5.6 | 6.0 | 50 | 7.50 |
| | 52° and 53° | 29.694 | 64.3 | 24.4 | 40.0 | 49.4 | 37.8 | 29.7 | 11.6 | 43.2 | 40.1 | 250 | 2.9 | 0.4 | 86 | 547 | 67.6 | 34.6 | 1.3 | 5 | 3 | 9 | 15 | 7.7 | 6.9 | 55 | 7.15 |
| | 53° and 54° | 29.662 | 62.3 | 25.6 | 35.7 | 49.0 | 39.2 | 27.8 | 9.8 | 44.0 | 39.7 | 247 | 2.8 | 0.4 | 86 | 548 | 68.8 | 34.2 | 0.9 | 6 | 4 | 6 | 15 | 6.7 | 6.8 | 57 | 10.45 |
| 54° and 55° | 29.612 | 61.8 | 25.0 | 37.7 | 41.1 | 49.0 | 37.7 | 33.7 | 11.3 | 43.1 | 39.7 | 248 | 2.8 | 0.4 | 86 | 549 | 67.9 | 33.1 | 1.3 | 7 | 6 | 6 | 14 | 2.4 | 6.6 | 50 | 12.55 |
| Mean for the Quarter, 50° to 55° | Year 1880 | 29.685 | 63.4 | 21.3 | 43.3 | 49.3 | 38.0 | 34.1 | 11.3 | 43.9 | 39.1 | 241 | 2.8 | 0.5 | 86 | 547 | 70.3 | 33.1 | 1.3 | 7 | 7 | 9 | 11 | 3.7 | 6.4 | 50 | 9.90 |
| | " 1881 | 29.685 | 63.4 | 23.6 | 40.0 | 50.8 | 38.9 | 32.9 | 11.1 | 43.5 | 40.3 | 235 | 3.0 | 0.5 | 86 | 547 | 73.3 | 33.4 | 1.4 | 4 | 7 | 9 | 11 | 3.7 | 6.4 | 50 | 9.90 |
| | " 1883 | 29.696 | 63.1 | 18.4 | 49.3 | 49.3 | 38.7 | 35.3 | 10.6 | 43.9 | 40.0 | 232 | 3.0 | 0.4 | 87 | 545 | 70.5 | 35.0 | 1.2 | 6 | 4 | 7 | 14 | 1.6 | 5.4 | 7 | 9.00 |

The mean temperature of the quarter ending December 1883, was $44^{\circ}9$ being $1^{\circ}5$ above the average; the mean temperature of the six months ending March 1884, was $44^{\circ}2$. The previous instances of the mean temperature of these six months exceeding 44° , back to 1771, are:

1819 - $44^{\circ}3$ 1834 - $44^{\circ}2$ 1849 - $44^{\circ}2$
 1822 - $45^{\circ}5$ 1846 - $44^{\circ}7$ 1877 - $44^{\circ}6$

so that the period we have just passed, rank as one of the warmest on record.

The mean high day temperature of the air in January was $47^{\circ}8$, being $4^{\circ}9$ higher than the average of 43 years; in February it was $47^{\circ}7$, being $2^{\circ}1$ higher than the average, and in March was $52^{\circ}7$, being $2^{\circ}8$ higher than the average.

The mean low night temperature of the air in January was $39^{\circ}2$, being $5^{\circ}6$ higher than the average of 43 years; in February it was $36^{\circ}8$, being $2^{\circ}4$ higher than the average, and in March was $37^{\circ}4$, being $2^{\circ}2$ higher than the average. Therefore the high day temperatures, and the low night temperatures were warm throughout the quarter, particularly in the month of January.

| 1884. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|----------------------------------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-----------|--|----------|---------------------------------|
| | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | |
| | Mean. | Diff. from average of 113 years. | Diff. from average of 43 years. | Mean. | Diff. from average of 43 years. | Mean. | Diff. from average of 43 years. | Mean. | Diff. from average of 43 years. | Mean. | Diff. from average of 43 years. | Mean. | Diff. from average of 43 years. |
| | | | | | | | | | | | | | |
| Jan. - | 43.9 | +7.4 | +5.3 | 42.5 | +5.6 | 40.8 | +6.0 | 8.6 | -1.2 | in. 0.256 | in. +0.061 | grs. 2.9 | gr. +0.5 |
| Feb. - | 41.9 | +3.2 | +2.4 | 39.9 | +2.1 | 37.5 | +2.1 | 10.9 | -0.2 | 0.225 | +0.016 | 2.6 | +0.2 |
| Mar. - | 44.5 | +3.4 | +2.8 | 41.6 | +2.3 | 38.2 | +2.2 | 15.3 | +0.6 | 0.231 | +0.016 | 2.7 | +0.2 |
| Means - | 43.4 | +4.7 | +3.5 | 41.3 | +3.3 | 38.8 | +3.4 | 11.6 | -0.3 | 0.237 | +0.031 | 2.7 | +0.3 |

| 1884. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|--------------------------|---------------------------|--------------|
| | Mean. | Diff. from average of 43 years. | Mean. | Diff. from average of 43 years. | Mean. | Diff. from average of 43 years. | Amount. | Diff. from average of 68 years. | | Number of Nights it was | | Lowest Reading at Night. | Highest Reading at Night. | |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | | | Above 40°. |
| | Jan. - | 89 | 0 | 29.915 | +0.163 | 550 | - 4 | 1.77 | -0.11 | Miles. 404 | 5 | 21 | 5 | 28.9 |
| Feb. - | 85 | 0 | 29.744 | -0.048 | 549 | - 4 | 1.59 | -0.09 | 336 | 10 | 15 | 4 | 25.0 | 42.0 |
| Mar. - | 79 | - 2 | 29.762 | +0.013 | 547 | - 3 | 1.37 | -0.17 | 266 | 7 | 23 | 1 | 24.0 | 41.8 |
| Means - | 84 | - 1 | 29.807 | +0.043 | 549 | - 4 | Sum 4.64 | Sum -0.37 | Mean 335 | Sum 22 | Sum 39 | Sum 10 | Lowest 21.0 | Highest 42.0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (—) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|--------|----------|-------------------------|
| | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. |
| N.W. | d. 5½ | d. 1½ | + 3½ | d. 1½ | d. 2 | - ½ | d. 1½ | d. 2½ | - 1½ |
| N. | 1½ | 3½ | - 2½ | 1 | 3 | - 2 | 2½ | 3½ | - 1½ |
| N.E. | 1½ | 3½ | - 2½ | 1½ | 3½ | - 2½ | 6½ | 4 | + 2½ |
| E. | ½ | 2½ | - 2 | 7½ | 2 | + 5½ | 3½ | 2½ | + 1 |
| S.E. | ½ | 2½ | - 2 | ½ | 1½ | - 1 | 5½ | 2 | + 3½ |
| S. | 4½ | 4½ | + ½ | 6½ | 3 | + 3½ | 6½ | 2½ | + 4½ |
| S.W. | 11½ | 9½ | + 2 | 4½ | 8 | - 3½ | 2½ | 7½ | - 5½ |
| W. | 6½ | 3½ | + 3 | 4½ | 2½ | + 2 | 2½ | 3½ | - 1 |
| Calm. | 0 | 2½ | - 2½ | 1½ | 2½ | - 1 | 0 | 2½ | - 2½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of January are opposite to N.W. and W.; in February to E. and S.; and March to S. and S.E.

The minus sign (—) denotes deficiencies below averages. In January the largest numbers are opposite to N. and S.E.; in February to S.W. and N.E.; and in March to S.W., N.W., and N.

The mean daily range of temperature in January was $1^{\circ}0$ smaller than the average, in February it was $0^{\circ}2$ smaller than the average, and in March it was $0^{\circ}6$ greater than the average.

The mean temperature of the air in January was $3^{\circ}4$ higher than in December, in February it was $2^{\circ}0$ lower than in January, and in March it was $2^{\circ}6$ higher than in February.

(From the preceding 42 years' observations the decrease of temperature from December to January is $1^{\circ}4$, the increase of temperature from January to February is $1^{\circ}1$, and the increase from February to March is $2^{\circ}1$.)

From December to January there was increase of temperature at stations south of 51° of $2^{\circ}6$, between 51° and 52° of $3^{\circ}3$, between 52° and 53° of $2^{\circ}8$, and between 53° and 54° of $2^{\circ}2$, and north of 54° of $2^{\circ}3$.

From January to February there was a decrease of temperature at stations south of 51° of $1^{\circ}4$, between 51° and 52° of $2^{\circ}0$, between 52° and 53° of $1^{\circ}8$, between 53° and 54° of $2^{\circ}1$ and north of 54° of $1^{\circ}9$.

From February to March there was an increase of temperature at stations south of 51° of $1^{\circ}0$, between 51° and 52° of $1^{\circ}8$, between 52° and 53° of $1^{\circ}9$, between 53° and 54° of $1^{\circ}7$, and north of 54° of $1^{\circ}8$.

The mean reading of the barometer for the month of January at the height of 160 feet above the level of the sea was 29.915 ins., being 0.163 in. above the average of 43 years, 0.180 in. higher than in 1883; 0.270 in. lower than in 1882, and 0.205 in. higher than in 1881.

The mean reading of the barometer for the month of February was 29.744 ins., being 0.048 in. below the average of 43 years; 0.160 in. lower than in 1883, 0.307 in. lower than in 1882, and 0.083 in. higher than in 1881.

The mean reading of the barometer for the month of March was 29.762 ins., being 0.013 in. above the average of 43 years, 0.013 in. higher than in 1883, 0.081 in. lower than in 1882; and 0.034 in. lower than in 1881.

From December to January there was a decrease of pressure at stations south of 51° of 0.082 in.; between 51° and 52° of 0.078 in.; between 52° and 53° of 0.081 in.; between 53° and 54° of 0.150 in. and north of 54° of 0.199 in.

From January to February there was a decrease of pressure at stations south of 51° of 0.269 in.; between 51° and 52° of 0.192 in.; between 52° and 53° of 0.137 in.; between 53° and 54° of 0.124 in., and north of 54° of 0.056 in.

From February to March there was an increase of pressure at stations south of 51° of 0.040 in., between 51° and 52° of 0.02 in., between 52° and 53° of 0.023 in., between 53° and 54° of 0.044 in., and north of 54° of 0.042 in.

About London the barometric pressure was high till January 22nd, particularly from the 12th to the 21st, the mean excess of daily pressure for these 12 days was 0.62 in., and for 22 days ending on the 22nd was 0.38 in.; during the remainder of the month it was low, particularly on the 26th and 27th days, the defects below the average on the 26th, being 0.94 in., and on the 27th 0.77 in.; for the 10 days ending February 1st, it was 0.37 in. Till February 16th the pressure was alternately in excess, and defect for a few days together. From February 17th to March 12th, with the exception of a few days, when it was about its average value, it was low, the average daily deficiency for these 25 days being 0.22 in. From March 13th to the end of the quarter, the pressure differed but little from its average.

Thunderstorms occurred in January on the 25th at Guernsey, Osborne, Bath, Strathfield Turgiss, Barnet, Lowestoft, Nottingham, Halifax, Stonyhurst, and Bradford.

In February, on the 1st at Plymouth, Totnes, and Torquay; on the 10th at Bolton, Halifax, and Carlisle; on the 11th at Barnet; and on the 21st at Bolton and Stonyhurst.

In March, on the 10th at Rugby; and on the 20th at Bolton.

Thunder was heard but lightning was not seen in January, on the 2nd at Stonyhurst; on the 11th at Bolton; on the 25th at Truro; and on the 26th at Truro and Torquay.

In February, on the 10th at Barnet; and on the 25th at Royston and Cambridge.

Lightning was seen but thunder was not heard in January, on the 20th at Halifax and Stonyhurst; on the 21st at Stonyhurst; on the 25th at Bath, Barnet, Oxford, Cambridge, Somerleyton, and Wolverhampton; on the 26th at Plymouth, Torquay, Osborne, Bath, Strathfield Turgiss, Marlborough, Whitechurch, Blackheath, Barnet, Oxford, Royston, Cardington, Cambridge, Rugby, Somerleyton, Wolverhampton, Leicester, Burslem, and Bolton; on the 27th at Guernsey, Plymouth, Torquay, Blackheath, Barnet, Royston, Cambridge, Wolverhampton, and Leicester; on the 28th at Leicester; and on the 29th at Barnet.

In February, on the 13th at Leicester; on the 21st at Torquay, Burslem, and Carlisle; on the 22nd at Torquay; on the 26th and 27th at Totnes.

In March, on the 20th at Liverpool.

Solar halos were seen in January, on the 5th and 9th at Torquay, and on the 21st at Oxford.

In February, on the 14th at Oxford; on the 22nd at Torquay, Bath, and Oxford; on the 23rd at Oxford and Stonyhurst; on the 25th at Torquay and Oxford; on the 27th at Oxford; and on the 29th at Bath.

In March, on the 1st at Halifax; on the 9th at Torquay, Oxford, Bolton, and Halifax; on the 10th at Bolton; on the 11th at Bath and Halifax; on the 12th at Oxford; on the 14th and 15th at Oxford; on the 17th and 18th at Torquay; on the 23rd at Bath and Halifax; on the 24th and 25th at Torquay, Bath, and Oxford; and on the 30th at Torquay, Bath, and Oxford.

Lunar halos were seen in January, on the 3rd at Cambridge and Rugby; on the 10th at Torquay; and on the 12th at Rugby.

In February, on the 5th at Halifax; on the 6th at Strathfield Turgiss; on the 11th at Oxford; and on the 12th at Leicester.

In March, on the 3rd at Leicester and Burslem; on the 6th at Torquay, Oxford, and Burslem; in the 7th at Torquay, Salisbury, Strathfield Turgiss, Marlborough, Oxford, Royston, Cambridge,

(Continued at the end of the following Table.)

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31st, 1884.
The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1884. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Vapour. | | Mean Temperature. | | Wind. | | Rain. | |
|--|------------------------------------|------------|-------|----------------------------------|----------|------------------------------|--------|-------|----------------|-------------------------|-------------------|------------------------------------|-------|----|-------|----|
| | | Month. | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | Elastic Force. | In a Cubic foot of Air. | Dew Point. | Relative Proportion of Saturation. | N. | E. | S. | W. |
| | | | | | | | | | | | | | | | | |
| GUERNSEY. JAMES COLLETT, Esq., F. R. Met. Soc. | 270 | Jan. | 29.81 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.81 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| TRURO (Cornwall). C. BARRAN, Esq., M.D., F. R. Met. Soc. | 43 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| PLYMOUTH (Devon). J. H. EDWARDS, Esq., LL.D., F. R. Met. Soc. | 69 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| TORQUAY (Devon). J. H. EDWARDS, Esq., F. R. Met. Soc. | 107 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| TORQUAY, Babacombe (Devon). EDWIN E. GAYDE, Esq., F. R. Met. Soc. | 205 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| VENTNOR, (Isle of Wight) (Royal Observatory, for Consumption). HARTLEY SAGAR, Esq. | 80 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| EASTBOURNE. MISS W. L. HALL. | 12 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| OSBORNE (Isle of Wight). J. R. MANN, Esq. | 172 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| BRIGHTON. F. E. SAWYER, Esq., F. R. Met. Soc. | 205 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| SOUTHBORNE, (near) Bourne- mouth (Hants), Esq., M.D., B.A., F. R. Met. Soc. | 95 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 185 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1884. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Vapour. | | Mean Temperature. | | Wind. | | Rain. | |
|---|------------------------------------|------------|-------|----------------------------------|----------|------------------------------|--------|-------|----------------|-------------------------|-------------------|------------------------------------|-------|----|-------|----|
| | | Month. | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | Elastic Force. | In a Cubic foot of Air. | Dew Point. | Relative Proportion of Saturation. | N. | E. | S. | W. |
| | | | | | | | | | | | | | | | | |
| BARNSTAPLE (Devon). WILLIAM KNILL, Esq. | 43 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| STRATFORD TURGIS (Hants). REV. J. STONE, Esq., F.R.S., F. R. Met. Soc. | 107 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| BATH (Somerset). REV. T. J. ALMOND, O.S.E. College, Downside. | 205 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| MARLBOROUGH (Wilt). REV. THOMAS A. PRESTON, M.A., F. R. Met. Soc. | 456 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| WHITCHURCH RECTORY (Oxon). REV. J. STONE, Esq., F.R.S., F. R. Met. Soc. | 120 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| BLACKHEATH (Kent). JAMES GLAISHER, Esq., F.R.S. | 120 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| ROYAL OBSERVATORY, Greenwich. W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 120 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| CAMDEN SQUARE (London). G. F. WOOD, Esq., F.R.S., F. R. Met. Soc. | 123 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| BARNET (Herts). T. H. MARTIN, Esq., F.R.S. | 212 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| OXFORD (The Observatory). E. J. STONE, Esq., M.A., F.R.S. | 210 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| ROYSTON (Hertfordshire). HALE WORTHAM, Esq., F.R.S., F. R. Met. Soc. | 210 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| BEDFORD, Cardington, Assistant to Mr. J. M. GLAISHER, Esq., M.A., F. R. Met. Soc. | 210 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| CAMBRIDGE (Trinity College). JAMES GLAISHER, Esq., M.A., F. R. Met. Soc. | 40 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |
| TRING (Herts). REV. W. TUCKWELL. | 280 | Jan. | 29.80 | 29.75 | 29.85 | 29.70 | 0.15 | 48.5 | 29.80 | 0.85 | 48.5 | 0.85 | 1 | 1 | 1 | 1 |

From March to April there was a decrease of pressure at stations south of 51° of 0.120 in.; between 51° and 52° of 0.106 in., between 52° and 53° of 0.086 in., between 53° and 54° of 0.028 in., and north of 54° of 0.012 in.

From April to May there was an increase of pressure at stations south of 51° of 0.209 in., between 51° and 52° of 0.185 in., between 52° and 53° of 0.154 in., between 53° and 54° of 0.112 in., and north of 54° of 0.033 in.

From May to June there was an increase of pressure at stations south of 51° of 0.035 in., between 51° and 52° of 0.045 in., between 52° and 53° of 0.045 in., between 53° and 54° of 0.092 in., and north of 54° of 0.123 in.

| 1884. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|------|----------------|--|--------------|--|------------|--|----------------------|--|-----------------------------|--------|---|------|-----|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | | | | | |
| | | | | | | | | | | | | | | |
| April | 45.1 | -1.0 | -2.0 | 42.4 | -1.5 | 39.3 | -1.2 | 17.2 | -1.3 | in. | 0.240 | -0.013 | grs. | gr. |
| May | 54.3 | +1.8 | +1.6 | 49.6 | +0.7 | 44.9 | -0.2 | 21.0 | +1.4 | 0.268 | -0.001 | 3.4 | -0.1 | |
| June | 58.0 | -0.2 | -0.9 | 54.4 | -0.1 | 51.0 | +0.3 | 20.2 | -0.7 | 0.374 | +0.004 | 4.2 | +0.1 | |
| Means | 52.5 | +0.2 | -0.4 | 48.8 | -0.3 | 45.1 | -0.4 | 19.8 | -0.2 | 0.304 | -0.003 | 3.5 | 0.0 | |

| 1884. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal move- ment of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----|---------------------------|--|-----------------------------|--|--------------------------------------|--|---------|--|--|----------------------------------|---------------------------------|---|--|---------------|
| | | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Amount. | Diff. from ave- rage of 68 years. | | Number of Nights it was | | Low- est Read- ing at Night. | High- est Read- ing at Night. | |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | | | Above 40°. |
| | | | | | | | | | | | | | | | |
| Apr. | 80 | 0 | in. | in. | grs. | grs. | in. | in. | Miles. | 11 | 16 | 3 | 17.9 | 42.8 | |
| May | 71 | -1.8 | 29.824 | +0.033 | 537 | -4 | 0.96 | -1.10 | 323 | 1 | 23 | 7 | 29.8 | 50.8 | |
| June | 78 | +3 | 29.837 | +0.053 | 533 | +1 | 2.24 | +0.24 | 193 | 0 | 11 | 19 | 32.2 | 48.4 | |
| Means | 75 | -2 | 29.775 | -0.003 | 538 | -1 | Sum | Sum | Mean | Sum | Sum | Sum | Lowest | Highest | |
| | | | | | | | 4.31 | -1.50 | 254 | 12 | 50 | 29 | 17.9 | 50.8 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and that the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|-----------------------|--------|----------|-------------------------------|-------|----------|-------------------------------|-------|----------|-------------------------------|
| | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3½ | 2½ | +1 | ½ | 1½ | -½ | 5½ | 2½ | +2½ |
| N. | 6½ | 4½ | +2 | 0 | 4½ | -4½ | 8½ | 3½ | +4½ |
| N.E. | 8½ | 6½ | +2½ | 2½ | 7½ | -4½ | 2½ | 3½ | -1 |
| E. | 1½ | 3½ | -1½ | 9½ | 2½ | +7 | 4 | 2½ | +1½ |
| S.E. | 3½ | 2½ | +1½ | 1½ | 1½ | -1½ | ½ | 1½ | -1 |
| S. | 5 | 2½ | +2½ | 5½ | 2½ | +2½ | ½ | 2½ | -1½ |
| S.W. | 1½ | 6½ | -4½ | 5½ | 8½ | -2½ | 2 | 10 | -8 |
| W. | 0 | 2½ | -2½ | 6½ | 2½ | +4½ | 6½ | 4 | +2½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of April are opposite to S. and N.E.; in May to E. and W.; and in June to N., N.W., and W.

The minus sign (-) denotes deficiencies below averages. In April the largest numbers are opposite to S.W. and W.; in May to N. and N.E.; and in June to S.W. and S.

About London the barometric pressure in April was below its average till the 8th day; the mean deficiency was 0.32 in.; from the 9th to the 14th the mean excess was 0.11 in. daily; for 5 days there was a deficiency of 0.02 daily. From April 15th to the 23rd the departures from the averages were very small. From April 24th to May 6th the barometer was low, the average daily deficiency was 0.23 in. From May 7th to the 16th there was an average daily excess of 0.15 in.; for 3 days a deficiency little differing from the average. From May 20th to the end of the month the pressure was in excess, averaging 0.26 in. daily; from June 1st to the 9th the daily deficiency averaged 0.23 in.; from June 10th to the end of the quarter the pressure was

above its average, excepting the 24th, which was slightly below, and the mean daily excess of this period was 0.19 in.

Thunderstorms occurred in April on the 1st at Halifax; on the 2nd at Blackheath, Royston, Cardington, and Bradford; on the 3rd at Barnet, Cambridge, Burslem, Halifax, and Bradford; on the 5th at Lancaster.

In May, on the 4th at Cardington, Cambridge, and Rugby; on the 5th at Osborne, Stratfield Turgis, Whitechurch, Blackheath, Barnet, Oxford, Cambridge; on the 6th at Torquay, Cambridge, Somerleyton; on the 12th at Ventnor, Osborne, Whitechurch, Blackheath, Barnet, Oxford, Royston, Cardington, Cambridge, and Rugby; and on the 24th at Bath.

In June, on the 5th at Blackheath, Barnet, Oxford, Royston, and Burslem; on the 6th at Stratfield Turgis, Rugby; on the 7th at Southbourne, Bath, Oxford, Wolverhampton, Burslem, Bolton, Halifax, Bradford, and Carlisle; on the 8th at Osborne, Bath, and Oxford; on the 28th at Torquay, Osborne, Southbourne, Bath; on the 29th at Guernsey, Ventnor, Bath, Stratfield Turgis, Whitechurch, Oxford, Bedford, Cambridge, and Rugby.

Thunder was heard but lightning was not seen in April, on the 2nd at Whitechurch and Stonyhurst; on the 3rd at Lowestoft, Bolton, and Stonyhurst; on the 5th at Burslem and Halifax; on the 27th at Barnet; on the 28th at Wolverhampton and Burslem.

In May, on the 5th at Royston, Cardington, Rugby, Wolverhampton, and Hull; on the 6th at Hull; on the 12th at Totnes and Torquay; on the 19th at Rugby; on the 24th at Guernsey and Osborne.

In June, on the 2nd at Stratfield Turgis and Silloth; on the 3rd at Silloth; on the 4th at Bath; on the 5th at Stratfield Turgis and Wolverhampton; on the 6th at Royston, Cambridge, and Hull; on the 7th at Cambridge and Stonyhurst; on the 8th at Rugby; on the 28th at Torquay; and on the 29th at Torquay, Stratfield Turgis, and Royston.

Lightning was seen but thunder was not heard in April, on the 2nd at Barnet and Oxford; on the 4th at Oxford; on the 14th at Stonyhurst. In May, on the 3rd at Cambridge; on the 4th at Hull; on the 12th at Torquay and Blackheath; on the 24th at Totnes, Torquay, Marlborough, Whitechurch, Oxford, Burslem, and Halifax; and on the 25th at Guernsey and Truro.

In June, on the 2nd at Oxford; on the 28th at Plymouth, Torquay, Whitechurch, and Royston; on the 29th at Torquay; and on the 30th at Guernsey.

Solar halos were seen in April, on the 4th at Oxford; on the 5th at Halifax; on the 6th at Torquay, Bath, Oxford, Halifax; on the 17th at Torquay, and on the 30th at Hull.

In May on the 1st at Torquay, Bath, and Halifax; on the 3rd at Oxford; on the 5th at Oxford and Stonyhurst; on the 7th at Oxford; on the 15th at Halifax; on the 18th and 19th at Oxford; on the 24th at Torquay and Halifax.

In June, on the 11th at Halifax; on the 15th at Torquay; on the 25th and 26th at Halifax.

Lunar halos were seen in April, on the 3rd at Torquay and Halifax; on the 4th at Hull; on the 5th at Stratfield Turgis; on the 6th at Bath.

In May, on the 8th at Oxford; and on the 9th at Oxford and Cambridge.

In June, on the 6th at Cambridge.

Aurora boreales were seen in April, on the 24th at Oxford, Cambridge, Halifax, and Stonyhurst.

Snow fell in April, on the 17th at Whitechurch, Oxford, and Cambridge; on the 18th at Halifax, Hull; on the 19th at Bath; on the 20th at Oxford; on the 21st at Bath and Cambridge; and on the 23rd at Lowestoft and Somerleyton.

In May on the 3rd at Halifax; on the 5th at Whitechurch, Blackheath; on the 18th at Carlisle.

Hail fell in April, on the 2nd at Oxford, Royston, Cambridge; on the 3rd at Halifax; on the 5th at Torquay, on the 13th at Royston and Hull; on the 14th at Barnet; on the 17th at Torquay, Bath, Blackheath, Barnet, Cardington, Rugby, Lowestoft; on the 18th at Hull; on the 20th at Cardington; on the 21st at Osborne, Whitechurch, Barnet, and Cardington; on the 22nd at Barnet, Royston, Cambridge, Hull; on the 24th at Blackheath, Royston, Hull; on the 26th at Torquay; on the 27th at Halifax; on the 28th at Rugby; on the 29th at Hull, and on the 30th at Royston and Rugby.

In May, on the 1st at Stonyhurst; on the 2nd at Bolton; on the 3rd at Stratfield Turgis, Cardington, Cambridge, Rugby, Bolton, Halifax, and Stonyhurst; on the 4th at Cardington, Rugby, Wolverhampton, Burslem, Bolton, Halifax, Hull, Stonyhurst, Bradford, and Carlisle; on the 5th at Torquay, Ventnor, Osborne, Stratfield Turgis, Whitechurch, Blackheath, Oxford, Royston, Cardington, Cambridge, Rugby, Somerleyton, Wolverhampton, Burslem, Bolton, Halifax, Hull; on the 6th at Cardington, Somerleyton, Halifax, and Hull; and on the 18th and 20th at Carlisle.

In June, on the 6th at Truro, Oxford; on the 7th at Truro, Rugby; on the 8th at Oxford and Halifax; on the 29th at Oxford.

Fog prevailed in April, on the 2nd at Torquay; on the 7th at Bolton; on the 8th at Oxford; on the 9th, 10th, 11th, 13th, and 27th at Bath; on the 29th at Osborne, Bath, Blackheath, Barnet, Cambridge; and on the 30th at Lowestoft.

In May, on the 2nd at Guernsey; on the 7th at Stonyhurst; on the 10th at Totnes, Torquay, and Bath; on the 11th at Guernsey; on the 12th at Guernsey and Bolton; on the 13th at Guernsey and Bath; on the 16th at Guernsey and Ventnor; on the 17th and 20th at Guernsey; on the 25th at Guernsey, Torquay; and on the 27th at Cambridge.

In June, on the 7th at Bath; on the 11th at Guernsey, Torquay, Ventnor, Bath; on the 12th at Guernsey, Bath; on the 17th at Bath; on the 23rd and 24th at Guernsey; on the 25th at Bolton; on the 26th at Guernsey; on the 27th at Ventnor; and on the 28th at Guernsey.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1884. | Months. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | | Vapour. | | | Mean Reading of Thermometer. | | | Wind. | | | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------|---------------------------------------|-------------------------------------|---------------------------|--------|-----|------------------------------|--------|-----------------|-------------------|-------|--------------|---------|------------|----------------|------------------------------|----------------------|-------------------------|--------------------------|-------------------------------------|-------------------------|-------------------|---------------------|------------------------|-----------------------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | Mean. | Range. | In. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | In a cubic foot of Air. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | Mean Amount of Cloud. | Amount of Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1884. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. |
|--|------------------------------------|--------------|---------------------------|--------|-------|------------------------------|--------|----------|-------------------|--------------|---------|------------|------------------------------|-------|----------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| | | | Mean. | Range. | In. | Lowest. | Range. | Highest. | Mean. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Weight of a cubic foot of Air. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. |
| | | | | | | | | | | | | | | | | | | | | |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.S., F.R. Met. Soc. | 89 | April 29-721 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 | 0.658 |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.R. Met. Soc. | 20 | April 29-772 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 | 0.655 |
| WOLVERHAMPTON (Staffordshire), E. SIMPSON, Esq. | 500 | April 29-818 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 | 0.650 |
| LEICESTER (Town Museum), J. C. SMITH, Esq. | 238 | April 29-761 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 | 0.619 |
| NOTTINGHAM (Nottingham), M. O. TARBOTTON, Esq., C.E., F.G.S., F.R. Met. Soc. | 183 | April 29-727 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 | 0.762 |
| HOLKHAM (Norfolk), JOHN DAVIDSON, Esq., Assistant to the Earl of Leicester. | 39 | April 29-768 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 |
| BURLEIGH, J. E. WORTH, Esq., C.E., F.R. Met. Soc. | 556 | April 29-823 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 | 0.716 |
| LLANDUDNO (Carmarvonshire), JAMES NICOL, Esq., M.D. | 100 | April 29-720 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 | 0.670 |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.S., F.R. Met. Soc. | 197 | April 29-815 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 |
| BOLTON, Sharples (Lancashire), Rev. F. R. Met. Soc. | 500 | April 29-805 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 | 0.688 |
| HALIFAX, Bernerside Observatory (Yorkshire), E. J. CROSSLAND, Esq., F.R.S., F.R. Met. Soc. | 830 | April 29-808 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 | 0.722 |
| HULL (Yorkshire), The People's Park, Mr. E. PEAK. | 12 | April 29-831 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 | 0.780 |
| STONYHURST (Lancashire), Rev. S. J. PERRY, F.R.S., F.R. Met. Soc., F.R.S. | 393 | April 29-855 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 | 0.734 |
| BRADFORD (Yorkshire), J. MCLENDON, Esq., C.E., F.G.S. | 366 | April 29-857 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 |

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1884. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. |
|--|------------------------------------|--------------|---------------------------|--------|-------|------------------------------|--------|----------|-------------------|--------------|---------|------------|------------------------------|-------|----------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| | | | Mean. | Range. | In. | Lowest. | Range. | Highest. | Mean. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Weight of a cubic foot of Air. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. |
| | | | | | | | | | | | | | | | | | | | | |
| LEEDS (Yorkshire), The Philosophical Hall, HENRY CROWTHER, Esq. | 137 | April 29-675 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 | 0.854 |
| LANCASTER (Southside), WILLIAM ROYCE, Esq. | 114 | April 29-691 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 | 0.792 |
| SILLOTH (Cumberland), "The Rectory," Rev. F. BEDFORD, M.A., F.R.S., F.R. Met. Soc. | 88 | April 29-870 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 | 0.719 |
| CARLISLE, Spital (Cumberland), ISAAC CARTMEL, Esq., F.R. Met. Soc. | 114 | April 29-758 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 | 0.768 |

Second Run-gauges are placed—

At Eastbourne, at the height of 165 feet above the sea; the amount collected was

January. 3.75 inches.
February. 1.45 inches.
March. 3.11 inches.
April. 1.93 inches.
May. 0.37 inches.
June. 1.40 inches.

Total in Quarter. 3.75 inches.

June.

1.40 inches.

0.37 inches.

3.11 inches.

1.93 inches.

0.37 inches.

3.75 inches.

1.40 inches.

0.37 inches.

3.11 inches.

1.93 inches.

0.37 inches.

3.75 inches.

1.40 inches.

0.37 inches.

3.11 inches.

1.93 inches.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|-----|-----------------------|-----------------------|----------------------------------|-------|------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.594 | 76.7 | 35.5 | 41.2 | 58.4 | 46.4 | 28.2 | 12.0 | 51.2 | 45.7 | 30.9 | 3.5 | 0.8 | 83 | 53.8 | 109.1 | 1.1 | 0.8 | 9 | 7 | 4 | 11 | 2.6 | 5.6 | 41 | 6.56 | |
| Truro | 29.633 | 76.0 | 37.0 | 40.0 | 62.0 | 44.8 | 38.0 | 17.2 | 50.5 | 45.4 | 31.0 | 3.5 | 0.7 | 80 | 54.2 | 1.1 | 0.8 | 9 | 7 | 6 | 8 | 9 | 1 | 5.7 | 23 | 4.9 | 3.45 |
| Plymouth | 29.654 | 75.3 | 31.4 | 43.8 | 58.8 | 45.8 | 33.8 | 14.0 | 51.9 | 45.4 | 30.9 | 3.5 | 1.1 | 78 | 54.1 | 1.1 | 1.9 | 8 | 6 | 8 | 9 | 1 | 6.1 | 30 | 4.45 | 3.17 | |
| Totnes | 29.723 | 78.5 | 37.8 | 40.7 | 62.1 | 42.4 | 39.6 | 19.7 | 51.7 | 45.3 | 28.9 | 3.2 | 1.1 | 75 | 54.1 | 1.1 | 2.1 | 10 | 11 | 4 | 9 | 1 | 6.1 | 30 | 4.45 | 3.17 | |
| Torquay | 29.695 | 76.9 | 32.2 | 43.7 | 58.9 | 45.2 | 31.8 | 13.7 | 51.0 | 43.2 | 28.2 | 3.2 | 1.1 | 76 | 54.1 | 117.0 | 37.6 | 1.7 | 10 | 7 | 5 | 9 | 4.7 | 5.8 | 28 | 5.0 | 2.0 |
| Ventnor | 29.629 | 75.2 | 32.5 | 40.7 | 59.8 | 46.9 | 29.2 | 12.9 | 51.9 | 45.0 | 30.3 | 3.4 | 1.0 | 77 | 54.1 | 1.1 | 1.7 | 7 | 6 | 7 | 6 | 1 | 5.6 | 22 | 4.80 | 3.40 | |
| Eastbourne | 29.554 | 77.7 | 30.3 | 47.4 | 61.5 | 44.9 | 34.6 | 16.5 | 51.9 | 47.4 | 32.8 | 3.0 | 0.7 | 83 | 54.0 | 110.7 | 41.9 | 0.3 | 7 | 8 | 7 | 8 | 1.6 | 2.4 | 3.40 | 4.93 | |
| Osborne | 29.617 | 78.0 | 30.6 | 49.0 | 63.6 | 45.9 | 38.2 | 19.7 | 52.2 | 47.1 | 33.8 | 3.0 | 0.7 | 84 | 53.1 | 115.7 | 42.7 | 1.1 | 7 | 8 | 8 | 1 | 2.6 | 24 | 4.93 | 3.97 | |
| Brighton | 29.757 | 79.0 | 31.0 | 48.0 | 60.3 | 45.1 | 34.1 | 15.2 | 52.7 | 45.9 | 31.1 | 3.5 | 1.1 | 78 | 53.7 | 110.9 | 42.7 | 1.1 | 6 | 8 | 7 | 9 | 1 | 5.0 | 27 | 4.93 | 3.97 |
| Southbourne | 29.676 | 74.9 | 27.4 | 45.5 | 58.5 | 43.8 | 31.9 | 14.7 | 50.7 | 43.2 | 28.5 | 3.2 | 0.9 | 75 | 54.2 | 1.1 | 1.9 | 11 | 6 | 6 | 7 | 9 | 6.2 | 29 | 4.66 | 3.77 | |
| Salisbury | 29.729 | 75.0 | 22.0 | 44.0 | 64.7 | 49.7 | 48.3 | 24.9 | 51.1 | 46.2 | 29.2 | 3.6 | 0.7 | 83 | 53.8 | 111.8 | 1.1 | 1.0 | 10 | 7 | 5 | 9 | 6.2 | 29 | 4.66 | 3.77 | |
| Barnstaple | 29.683 | 75.0 | 37.0 | 45.0 | 63.7 | 49.1 | 37.2 | 14.6 | 54.5 | 46.0 | 31.4 | 3.5 | 1.2 | 73 | 53.9 | 1.1 | 1.6 | 7 | 8 | 9 | 1 | 2.5 | 29 | 4.85 | 3.77 | | |
| Bath | 29.664 | 75.6 | 36.6 | 42.0 | 63.5 | 42.8 | 37.0 | 15.7 | 49.7 | 43.7 | 28.9 | 3.3 | 0.9 | 80 | 53.8 | 113.4 | 37.9 | 1.3 | 10 | 5 | 11 | 1.5 | 28 | 23 | 4.85 | 3.77 | |
| Stratfield Turgis | 29.694 | 75.3 | 29.7 | 46.4 | 62.8 | 41.6 | 37.5 | 21.1 | 51.4 | 44.4 | 29.7 | 3.0 | 1.0 | 78 | 53.8 | 104.1 | 37.1 | 0.3 | 9 | 5 | 6 | 10 | 1.1 | 5.8 | 73 | 4.77 | 3.77 |
| Marlborough | 29.662 | 75.8 | 32.2 | 39.8 | 60.9 | 41.9 | 34.8 | 18.2 | 50.0 | 42.2 | 28.5 | 3.2 | 1.1 | 76 | 53.8 | 109.9 | 37.1 | 0.7 | 9 | 5 | 8 | 8 | 6.5 | 34 | 6.15 | 3.77 | |
| Blackheath | 29.634 | 82.0 | 30.0 | 51.0 | 61.0 | 41.6 | 40.5 | 17.3 | 52.3 | 45.7 | 31.1 | 3.5 | 1.0 | 78 | 53.8 | 107.5 | 37.0 | 0.7 | 9 | 8 | 8 | 6.1 | 29 | 4.66 | 3.77 | | |
| Royal Observatory | 29.644 | 82.6 | 27.0 | 57.6 | 63.1 | 43.3 | 42.2 | 19.8 | 52.5 | 45.1 | 30.4 | 3.5 | 1.0 | 76 | 53.8 | 114.8 | 37.2 | 1.1 | 10 | 5 | 11 | 3.3 | 6.6 | 33 | 4.21 | 3.77 | |
| Whitechurch | 29.681 | 81.9 | 30.7 | 55.9 | 63.7 | 41.1 | 44.7 | 22.0 | 52.0 | 44.7 | 29.3 | 3.3 | 1.1 | 75 | 53.6 | 1.1 | 1.1 | 8 | 10 | 6 | 6 | 6.1 | 36 | 4.03 | 3.77 | | |
| Camden Square | 29.685 | 81.7 | 29.9 | 51.8 | 63.6 | 44.2 | 42.0 | 19.8 | 52.6 | 45.7 | 28.9 | 3.3 | 1.1 | 75 | 53.6 | 109.0 | 40.3 | 1.2 | 12 | 2 | 4 | 6.0 | 32 | 4.64 | 3.77 | | |
| Barnet | 29.687 | 81.6 | 21.2 | 50.1 | 62.7 | 49.7 | 42.4 | 22.1 | 50.8 | 44.7 | 29.0 | 3.3 | 1.0 | 81 | 54.0 | 118.4 | 36.7 | 0.5 | 6 | 13 | 3 | 9 | 6.2 | 27 | 4.79 | 3.77 | |
| Oxford | 29.666 | 79.9 | 27.0 | 52.3 | 61.1 | 41.2 | 44.4 | 16.9 | 52.6 | 44.0 | 29.2 | 3.3 | 1.2 | 73 | 53.7 | 110.8 | 37.9 | 2.3 | 9 | 7 | 7 | 4.1 | 6.0 | 31 | 4.66 | 3.77 | |
| Royston | 29.691 | 83.0 | 24.7 | 53.3 | 63.8 | 41.8 | 45.1 | 21.0 | 50.5 | 44.7 | 29.9 | 3.4 | 0.8 | 80 | 53.9 | 1.1 | 1.8 | 8 | 7 | 6 | 7 | 6.0 | 32 | 4.71 | 3.77 | | |
| Cardington | 29.668 | 80.0 | 22.0 | 54.0 | 63.5 | 41.7 | 40.1 | 22.1 | 51.6 | 43.1 | 29.2 | 3.3 | 1.0 | 74 | 54.1 | 108.1 | 38.4 | 1.1 | 8 | 9 | 5 | 9 | 5.6 | 30 | 4.10 | 3.77 | |
| Cambridge | 29.636 | 81.2 | 23.5 | 57.7 | 63.9 | 41.1 | 43.0 | 22.8 | 51.1 | 44.8 | 29.5 | 3.4 | 0.9 | 80 | 54.2 | 127.7 | 34.6 | 1.2 | 7 | 8 | 7 | 9 | 5.3 | 31 | 4.42 | 3.77 | |
| Rugby | 29.621 | 84.1 | 21.6 | 62.5 | 64.1 | 40.7 | 46.6 | 11.4 | 49.9 | 41.1 | 29.0 | 3.3 | 0.9 | 81 | 54.1 | 1.1 | 0.6 | 10 | 5 | 8 | 8 | 6.6 | 37 | 4.42 | 3.77 | | |
| Somerleyton | 29.665 | 75.6 | 30.0 | 45.6 | 57.9 | 42.5 | 35.2 | 16.4 | 48.9 | 43.8 | 28.5 | 3.3 | 0.7 | 81 | 54.4 | 1.1 | 1.0 | 8 | 10 | 6 | 6 | 4.4 | 5.9 | 29 | 3.19 | 3.77 | |
| Wolverhampton | 29.733 | 81.1 | 25.0 | 56.5 | 63.9 | 40.8 | 42.3 | 18.5 | 48.9 | 40.1 | 29.1 | 2.9 | 1.2 | 71 | 53.6 | 1.1 | 1.1 | 9 | 8 | 7 | 7 | 7.3 | 32 | 4.76 | 3.77 | | |
| Leicester | 29.647 | 80.3 | 26.2 | 56.8 | 61.5 | 43.7 | 43.3 | 18.4 | 51.6 | 43.9 | 29.2 | 3.3 | 1.1 | 75 | 53.8 | 106.8 | 44.6 | 0.6 | 9 | 8 | 7 | 7 | 6.4 | 45 | 4.96 | 3.77 | |
| Nottingham | 29.658 | 85.8 | 25.1 | 60.7 | 63.4 | 42.5 | 43.7 | 20.9 | 51.2 | 42.8 | 27.9 | 3.2 | 1.1 | 72 | 53.9 | 100.8 | 49.9 | 0.7 | 5 | 14 | 7 | 4 | 1.6 | 4.1 | 3.84 | 3.77 | |
| Burslem | 29.676 | 79.2 | 24.5 | 50.7 | 59.6 | 42.3 | 38.6 | 17.3 | 49.8 | 42.5 | 27.2 | 3.1 | 1.0 | 76 | 53.8 | 1.1 | 0.8 | 9 | 7 | 9 | 6 | 9 | 6.4 | 38 | 5.06 | 3.77 | |
| Holkham | 29.644 | 75.8 | 26.3 | 49.5 | 59.1 | 38.8 | 35.1 | 20.3 | 48.6 | 42.7 | 27.7 | 3.2 | 0.8 | 81 | 54.4 | 124.1 | 32.6 | 1.3 | 13 | 6 | 7 | 4 | 5.0 | 27 | 2.71 | 3.77 | |
| Llandudno | 29.638 | 81.0 | 31.9 | 49.8 | 57.3 | 45.1 | 33.7 | 12.2 | 50.7 | 43.9 | 28.2 | 3.2 | 1.0 | 75 | 54.2 | 1.1 | 0.9 | 5 | 8 | 5 | 13 | 6.1 | 24 | 3.72 | 3.77 | | |
| Liverpool | 29.662 | 81.2 | 20.7 | 50.5 | 58.6 | 45.5 | 36.3 | 13.1 | 50.5 | 45.8 | 27.5 | 3.1 | 1.1 | 73 | 53.9 | 1.1 | 1.1 | 5 | 9 | 6 | 10 | 5.4 | 31 | 3.24 | 3.77 | | |
| Bolton | 29.672 | 80.2 | 20.6 | 51.2 | 58.0 | 42.0 | 39.2 | 16.0 | 48.8 | 42.3 | 27.4 | 3.1 | 0.8 | 78 | 53.5 | 73.2 | 39.6 | 0.7 | 8 | 6 | 8 | 3.4 | 6.1 | 33 | 4.05 | 3.77 | |
| Halifax | 29.730 | 81.3 | 26.5 | 54.8 | 63.9 | 40.3 | 42.5 | 18.9 | 48.5 | 40.6 | 25.6 | 2.9 | 1.0 | 75 | 53.6 | 90.4 | 40.7 | 0.8 | 6 | 8 | 8 | 6.6 | 31 | 4.98 | 3.77 | | |
| Hull | 29.674 | 83.0 | 24.6 | 57.0 | 60.4 | 41.2 | 43.0 | 19.2 | 50.6 | 42.7 | 27.5 | 3.2 | 1.0 | 77 | 54.2 | 1.1 | 0.7 | 6 | 10 | 12 | 6 | 5.7 | 39 | 2.98 | 3.77 | | |
| Stonyhurst | 29.678 | 80.0 | 28.0 | 52.0 | 60.9 | 40.5 | 42.6 | 20.4 | 49.4 | 41.1 | 26.9 | 3.0 | 1.1 | 75 | 53.8 | 101.1 | 36.9 | 1.1 | 7 | 9 | 3 | 12 | 7.4 | 47 | 4.45 | 3.77 | |
| Bradford | 29.633 | 83.9 | 30.4 | 53.5 | 59.3 | 44.0 | 39.7 | 15.3 | 49.8 | 41.4 | 26.1 | 3.0 | 1.1 | 73 | 53.7 | 77.2 | 1.1 | 0.7 | 8 | 8 | 6 | 8 | 7.5 | 45 | 4.62 | 3.77 | |
| Leeds | 29.674 | 83.0 | 31.0 | 52.0 | 61.5 | 41.3 | 41.0 | 17.0 | 52.0 | 40.7 | 25.6 | 2.9 | 1.1 | 75 | 53.9 | 1.1 | 1.0 | 6 | 10 | 5 | 10 | 6.7 | 37 | 3.68 | 3.77 | | |
| Lancaster | 29.683 | 83.0 | 30.0 | 53.0 | 59.2 | 42.6 | 38.4 | 16.7 | 50.0 | 42.6 | 25.6 | 3.0 | 0.8 | 80 | 54.6 | 1.1 | 1.1 | 6 | 10 | 5 | 10 | 6.7 | 37 | 3.68 | 3.77 | | |
| Silloth | 29.636 | 83.2 | 31.0 | 52.2 | 58.6 | 42.1 | 38.8 | 16.5 | 49.9 | 44.1 | 28.9 | 3.3 | 0.9 | 81 | 54.8 | 108.8 | 38.6 | 1.4 | 4 | 11 | 5 | 8.2 | 5.7 | 36 | 4.44 | 3.77 | |
| Carlisle | 29.634 | 86.2 | 27.6 | 58.6 | 61.6 | 40.9 | 45.9 | 20.7 | 48.9 | 43.3 | 28.6 | 3.3 | 0.8 | 78 | 54.1 | 97.0 | 36.7 | 0.8 | 5 | 8 | 4 | 13 | 2.7 | 7.6 | 29 | 4.32 | 3.77 |

The highest temperatures of the air were at Carlisle, 86°·2; at Salisbury and Cardington, 86°·0; and at Nottingham, 85°·8.

The lowest temperatures of the air were at Barnet, 21°·2; at Rugby, 21°·6; and at Salisbury and Cardington, 22°·0.

The greatest ranges of temperature were at Salisbury, 24°·9; at Cambridge, 22°·8; and at Barnet and Cardington, 22°·1.

The least ranges of temperature were at Guernsey, 12°·0; at Llandudno, 12°·2; and at Liverpool, 13°·1.

The greatest number of days of rain were at Leicester and Bradford 45; and at Nottingham 43.

The least number of days of rain were at Ventnor and Royston, 22; and at Eastbourne, Osborne, and Llandudno, 24.

The greatest falls of rain were at Bath, 7·91 inches; at Guernsey, 6·56 inches; and at Salisbury, 6·17 inches.

The least falls of rain were at Royston and Holkham, 2·71 inches; at Somerleyton, 3·19 inches; and at Liverpool, 3·24 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Reading of the Thermometer. | Mean of all Lowest Reading of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | |
|--|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|-----|-----------------------|-----------------------|------------------------------------|-----------------------------|------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | Mean Number of Days it fell. | Mean Amount col- lected. | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.594 | 76.7 | 35.5 | 41.2 | 58.4 | 46.4 | 28.2 | 12.0 | 51.2 | 45.7 | 30.0 | 3.5 | 0.8 | 83 | 59.109 | 1.1 | 0.8 | 9 | 7 | 4 | 11 | 2.6 | 5.6 | 41 | 6.56 | | |
| Between 51° and 52° the latitudes 53° and 54° 54° and 55° | 29.659 | 76.7 | 30.1 | 46.6 | 60.7 | 44.8 | 34.5 | 15.9 | 51.6 | 46.3 | 30.3 | 3.4 | 0.9 | 78 | 54.0 | 1.1 | 0.8 | 9 | 7 | 4 | 11 | 2.6 | 5.6 | 41 | 6.56 | | |
| | 29.676 | 76.7 | 28.1 | 53.4 | 62.3 | 43.0 | 49.5 | 19.9 | 51.7 | 44.6 | 26.0 | 3.4 | 1.0 | 77 | 53.7 | 1.0 | 3.7 | 1.1 | 9 | 8 | 5 | 8 | 3.1 | 5.7 | 33 | 5.21 | |
| | 29.688 | 81.8 | 29.2 | 52.6 | 59.4 | 42.2 | 59.6 | 16.5 | 50.0 | 42.6 | 27.5 | 3.2 | 0.9 | 76 | 53.0 | 0.8 | 3.8 | 0.9 | 8 | 6 | 7 | 3.0 | 6.1 | 33 | 3.92 | | |
| | 29.635 | 84.4 | 28.1 | 54.6 | 60.1 | 41.5 | 42.4 | 18.6 | 49.4 | 43.7 | 27.7 | 3.3 | 0.9 | 79 | 54.2 | 1.0 | 3.7 | 1.1 | 4 | 10 | 5 | 11 | 5.5 | 5.7 | 32 | 4.46 | |
| Mean for the Quarter, 50° to 55° | Year 1881 | 29.704 | 78.6 | 36.5 | 51.9 | 61.0 | 43.1 | 14.8 | 17.9 | 51.0 | 43.9 | 264 | 3.3 | 1.0 | 77 | 54.1 | 1.0 | 2.8 | 1.0 | 9 | 7 | 4 | 10 | 4.2 | 6.0 | 26 | 5.57 |
| | " 1882 | 29.687 | 73.9 | 29.9 | 43.7 | 60.8 | 43.9 | 38.6 | 16.7 | 50.1 | 44.8 | 303 | 3.3 | 0.9 | 81 | 53.8 | 1.0 | 3.8 | 1.2 | 5 | 6 | 7 | 10 | 4.7 | 6.1 | 47 | 6.65 |
| | " 1883 | 29.673 | 77.4 | 28.8 | 34.2 | 59.6 | 42.7 | 38.6 | 17.9 | 50.5 | 43.7 | 289 | 3.3 | 0.9 | 78 | 53.9 | 0.9 | 3.7 | 1.1 | 7 | 8 | 7 | 9 | 4.6 | 6.2 | 35 | 6.11 |
| | " 1884 | 29.663 | 81.4 | 28.1 | 53.2 | 60.8 | 42.7 | 40.6 | 18.0 | 50.6 | 43.9 | 288 | 3.5 | 1.0 | 77 | 55.0 | 1.0 | 3.8 | 1.1 | 7 | 8 | 6 | 9 | 3.9 | 6.1 | 32 | 4.43 |

maximum temperature at Liverpool was 62°·9; on the 6th the extremes were 83°·2 at Cardington and 67°·0 at Liverpool; on the 7th the extremes were 91°·2 at Osborne and 72°·7 at Torquay; on the 8th temperatures exceeding 89°·0 were recorded at several stations between Salisbury and Leicester, the highest was 93°·6 at Cardington, whilst at Lowestoft the highest was 70°·8; on the 9th the extremes were 92°·2 at Royston and 73°·0 at Torquay and Somerleyton; on the 10th the extremes were 89°·9 at Royston and 71°·0 at Liverpool. The most remarkable day is the 11th, the highest temperature was 94°·2 at Greenwich, several stations were above 90°, and many between 85° and 90°, on this day at Torquay the highest temperature was 70°·7. On the 12th extremes were 90°·2 at Royston and 67°·7 at Burslem; on the 13th the extremes were 85°·6 at Whitechurch and 69°·6 at Wolverhampton; on the 14th the highest was 81°·0 at Carlisle, at Llandudno the highest was 65°·2; on the 15th the highest was 81°·0 at Carlisle, and at Liverpool 65°·1. (Continued on the sixth line from the bottom of the page.)

| Temperature of | | | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--------------|--|------------|--|----------------------|--|-------|--|--------|--|-------|--|--|---|--|
| | | | | | | | | | | | | | | | | | |
| 1884. MONTHS. | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | | | |
| | Mean. | Diff. from ave- rage of 112 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | | | |
| | ° | | ° | | ° | | ° | | ° | | in. | | grs. | | | | |
| | | | | | | | | | | | | | | | | | |
| July | 63·4 | +1·7 | +1·3 | 53·5 | +0·8 | 54·4 | +0·4 | 21·8 | +0·8 | 0·424 | +0·006 | 4·7 | -1 | | | | |
| August | 61·3 | +1·4 | +3·9 | 59·8 | +2·3 | 54·2 | +0·2 | 25·1 | +5·4 | 0·421 | +0·002 | 4·3 | -1 | | | | |
| Sept. | 59·3 | +2·8 | +2·2 | 56·3 | +2·3 | 53·3 | +2·2 | 17·9 | -0·4 | 0·407 | +0·027 | 4·6 | +2 | | | | |
| Means— | 62·7 | +3·0 | +2·5 | 58·2 | +1·8 | 54·0 | +0·9 | 21·6 | +1·9 | 0·417 | +0·012 | 4·6 | 0 | | | | |

| 1884. MONTHS. | Degrees of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|-------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|--|---|-----------------|
| | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Amount. | Diff. from ave- rage of 68 years. | | Number of Nights it was | | Low- est Read- ing at Night. | High- est Read- ing at Night. | |
| | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Amount. | Diff. from ave- rage of 68 years. | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Amount. | Diff. from ave- rage of 68 years. | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| July | 74 | -2 | in. 29·780 | -0·014 | grs. 525 | -3 | 1·77 | in. -0·78 | Miles. 230 | 0 | 4 | 27 | 30·7 | 53·8 |
| Aug. | 68 | -9 | 29·835 | +0·053 | 525 | -3 | 0·07 | -1·74 | 197 | 0 | 5 | 26 | 37·1 | 58·4 |
| Sept. | 81 | 0 | 29·835 | +0·036 | 531 | -2 | 2·09 | -0·35 | 257 | 0 | 9 | 21 | 32·4 | 55·5 |
| Means— | 74 | -4 | 29·817 | +0·025 | 527 | -3 | Sum 4·53 | Sum -2·87 | Mean 228 | Sum 0 | Sum 18 | Sum 74 | Lowest 30·7 | Highest 58·4 |

NOTE.—In reading this table it will be borne in mind that the sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|-----------------------|-------|----------|-------------------------------|---------|----------|-------------------------------|------------|----------|-------------------------------|
| | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 7½ | 2½ | + 4½ | 10½ | 2½ | + 8½ | 6 | 2 | + 4 |
| N. | 2 | 3½ | - 3½ | 0 | 3½ | - 3½ | 1 | 4½ | - 3½ |
| N.E. | 3½ | 3½ | - 3 | 3½ | 3½ | + ½ | 1½ | 5½ | - 4 |
| E. | 3½ | 1½ | + 1½ | 3½ | 1½ | + 1½ | 9½ | 2½ | + 7 |
| S.E. | 1½ | 1 | + ½ | 3½ | 1½ | + 2 | 2 | 2 | - 1½ |
| S. | 6 | 3 | + 3 | 3½ | 3½ | - 3½ | 2 | 3 | - 1 |
| S.W. | 3½ | 11 | - 7½ | 4½ | 10½ | - 5½ | 8½ | 8 | + ½ |
| W. | 8½ | 4½ | + 4 | 4½ | 4½ | 0 | 2½ | 3 | - ½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of July are opposite to N.W. and W.; in August to N.W. and S.E.; and in September to E. and N.W.

The minus sign (-) denotes deficiencies below averages. In July the largest numbers are opposite to S.W. and N.; in August to S.W. and N.; and in September to N.E. and N.

On the 16th the extremes were 83°·1 at Greenwich, 81°·9 at Cambridge, 81°·0 at Blackheath; while at Silloth the highest temperature reached was 66°·6, at Torquay 67°·3, at Bradford 70°·4; on the 17th the extremes were 87°·1 at Greenwich, 85°·1 at Osborne, 85°·0 at Cambridge, at Lancaster 70°·0, at Llandudno 71°·0, at Bath 71°·8; on the 18th the highest were 84°·5 at Cambridge, 84°·4 at Royston, 84°·2 at Greenwich; on the 19th the extremes were 81°·2 at Royston, and 63°·0 at Halifax; on the 20th the highest temperature reached 81°·1 at Osborne,

the highest at Liverpool was 64°·3; on the 21st the highest was 83°·6 at Osborne, whilst at Plymouth the highest was 69°·1; on the 22nd the highest was 85°·0 at Cardington, whilst at Llandudno the highest was 68°; on the 23rd the extremes were 85°·5 at Leicester, and 79°·9 at Torquay; on the 24th the extremes were at Cardington 88°·6, and at Torquay 71°·7; on the 25th the highest temperature reached was 87°·3 at Royston, but the highest at Barnstaple reached only 61°·0. After this day there was a great fall in the temperature.

The mean temperature of the air for July was 63°·4, being 1°·7 and 1°·3 above the average of 113 years and 43 years respectively; it was 3°·5 higher than in 1883, 3°·0 higher than in 1882, and 2°·0 lower than in 1881. Back to 1771 there have been nine Julys as warm or warmer than 63°·4.

The mean temperature of the air for August was 65°·3, being 4°·4 and 3°·9 above the averages of 113 years and 43 years respectively; it was 3°·4 higher than in 1883, 5°·7 higher than in 1882, and 6°·2 higher than in 1881. Back to the year 1771 there have been but three Augusts whose mean temperature exceeded 65°·3; the instances were: 1780, when it was 65°·7; 1842, when it was 65°·4; and 1857, when it was 65°·8.

The mean temperature of the air for September was 59°·3, being 2°·8 and 2°·2 above the averages of 113 years and 43 years respectively; it was 2°·5 higher than in 1883, 5°·0 higher than in 1882, and 3°·9 higher than in 1881. Back to the year 1771 there have been 18 Septembers whose mean temperature was equal to or exceeded 59°·3; they were in the years 1779, 1780, 1795, 1804, 1805, 1810, 1815, 1818, 1821, 1823, 1843, 1846, 1857, 1858, 1865, 1868, 1875, and 1880.

The mean temperature for the quarter was 62°·7, being 3°·0 and 2°·5 above the averages of 113 years and 43 years respectively. Back to the year 1771 there have been 6 instances in which the mean temperature of the quarter ending with September has been of the same or of higher temperature than in this year; the instances were: 1779, when it was 63°·2; 1780, when it was 62°·7; 1818, when it was 63°·5; 1857, when it was 63°·3; 1859, when it was 62·8; 1868, when it was 63°·9.

The mean high day temperature of the air in July was 75°·3, being 1°·2 above the average of 43 years; in August it was 78°·7, being 5°·8 above the average, and in September it was 69°·2, being 1°·8 above the average.

The mean low night temperature of the air in July was 53°·5, being 0°·4 above the average of 43 years; in August it was 53°·6, being 0°·4 above the average, and in September it was 51°·3, being 2°·2 above the average.

The mean daily range of temperature in July was 21°·8, being 0°·8 higher than the average; in August it was 25°·1, being 5°·4 higher than the average, and in September it was 17°·9, being 0·4 lower than the average.

The mean temperature of the air for July was 5°·4 higher than in June, in August it was 1°·9 higher than in July, and in September it was 6°·0 lower than in August.

(From the preceding 43 years' observations the increase of temperature from June to July is 3°·2, the decrease from July to August is 0°·7, and the decrease from August to September is 4°·0.)

From June to July there was an increase of temperature at stations south of 51° of 3°·2, between 51° and 52° of 4°·1, between 52° and 53° of 5°·4, between 53° and 54° of 4°·2; and north of 54° of 2°·9.

From July to August there was an increase of temperature at stations south of 51° of 2°·6, between 51° and 52° of 1°·4, between 52° and 53° of 1°·4, between 53° and 54° of 1°·6, and north of 54° of 1°·3.

From August to September there was a decrease of temperature at stations south of 51° of 3°·6, between 51° and 52° of 4°·3, between 52° and 53° of 4°·7, between 53° and 54° of 4°·6, and north of 54° of 4°·4.

The mean reading of the barometer for the month of July at the height of 160 feet above the level of the sea was 29·780 ins., being 0·014 in. below the average of 43 years, 0·092 in. higher than in 1883; 0·080 in. higher than in 1882, and 0·045 in. lower than in 1881.

The mean reading of the barometer for the month of August was 29·835 ins., being 0·053 in. higher than the average of 43 years; 0·006 in. lower than in 1883, 0·095 in. lower than in 1882, 0·159 in. higher than in 1881.

The mean reading of the barometer for the month of September was 29·835 ins., being 0·036 in. higher than the average of 43 years, 0·187 in. higher than in 1883, 0·148 in. higher than in 1882, 0·034 in. higher than in 1881.

From June to July there was a decrease of pressure at stations south of 51° of 0·079 in.; between 51° and 52° of 0·089 in., between 52° and 53° of 0·106 in., between 53° and 54° of 0·139 in., and north of 54° of 0·150 in.

From July to August there was an increase of pressure at stations south of 51° of 0·049 in., between 51° and 52° of 0·054 in., between 52° and 53° of 0·079 in., between 53° and 54° of 0·076 in., and north of 54° of 0·078 in.

From August to September there was an increase of pressure at stations south of 51° of 0·005 in., between 51° and 52° of 0·009 in., between 52° and 53° of 0·003 in., between 53° and 54° of 0·010 in., and north of 54° a decrease of 0·022 in.

About London the barometric pressure was a little above its average in July for the first three days; from the 4th to the 17th it was below, the average daily deficiency being 0·12 in.; from the 18th to the 20th the pressure was 0·13 in. in excess of the daily average; from the 21st to the 24th it was slightly deficient. From July 25th to August 17th the excess daily was 0·13 in., the 18th and 19th days were below; from the 20th to the 26th the excess over the average was 0·11 in. daily. From August 27th to September 7th the mean deficiency equalled 0·34 in. (September 4th being as much as six-tenths below its average), and from September 8th to the end of the quarter the daily excess of atmospheric pressure was 0·14 in.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1884. | Months. | Height of Station above Sea Level. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. Number of Days it fell. | Amount collected. | | | | | | | | |
|--|---------|------------------------------------|----------------------------------|--------|----------|------------------------------|--------|-----------------|-------------------|-------|--------------|------|------------------------------|------------|----------------|-------|-----------------------|-----------------------|-------------------------------|-------------------|----------------------|--------------------------------------|-------------------------------------|---------------------|---------------------------------|------|------|------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Daily Range. | Air. | | Dew Point. | Elastic Force. | Mean. | | | | | Short of Saturation. | Mean Degree of Humidity, &c., = 100. | Mean Weight of a cubic foot of Air. | Estimated Strength. | Relative Proportion of N. S. W. | | | |
| { J. JERNEY ADOLPHUS COLLETTTE, Esq., F. R. Met. Soc. | July | 470 | 29.713 | 0.624 | 74.3 | 48.2 | 28.1 | 55.0 | 11.4 | 53.0 | 53.0 | .433 | 4.0 | 1.0 | 83 | 528 | 117.4 | 39.4 | 0.7 | 1 | 1 | 6 | 20 | 3.4 | 6.3 | 31 | 3.91 | |
| | Aug. | | 29.713 | 0.624 | 74.3 | 48.2 | 28.1 | 55.0 | 11.4 | 53.0 | 53.0 | .433 | 4.0 | 1.0 | 83 | 528 | 117.4 | 39.4 | 0.7 | 1 | 1 | 6 | 20 | 3.4 | 6.3 | 31 | 3.91 | |
| | Sept. | | 29.713 | 0.624 | 74.3 | 48.2 | 28.1 | 55.0 | 11.4 | 53.0 | 53.0 | .433 | 4.0 | 1.0 | 83 | 528 | 117.4 | 39.4 | 0.7 | 1 | 1 | 6 | 20 | 3.4 | 6.3 | 31 | 3.91 | |
| { FRUHO (Cornwall), C. BAHAM, Esq., M.D., F. R. Met. Soc. | July | 43 | 29.855 | 0.527 | 80.0 | 42.0 | 37.0 | 50.1 | 15.2 | 50.1 | 50.1 | .418 | 4.7 | 0.9 | 83 | 532 | 123.0 | 46.4 | 1.2 | 4 | 1 | 8 | 14 | 14 | 6.3 | 36 | 3.14 | |
| | Aug. | | 29.855 | 0.527 | 80.0 | 42.0 | 37.0 | 50.1 | 15.2 | 50.1 | 50.1 | .418 | 4.7 | 0.9 | 83 | 532 | 123.0 | 46.4 | 1.2 | 4 | 1 | 8 | 14 | 14 | 6.3 | 36 | 3.14 | |
| | Sept. | | 29.855 | 0.527 | 80.0 | 42.0 | 37.0 | 50.1 | 15.2 | 50.1 | 50.1 | .418 | 4.7 | 0.9 | 83 | 532 | 123.0 | 46.4 | 1.2 | 4 | 1 | 8 | 14 | 14 | 6.3 | 36 | 3.14 | |
| { J. MURPHY (Devon), P. MURPHY, Esq., LL.D., F. R. S., F. R. Met. Soc. | July | 69 | 29.865 | 0.540 | 73.0 | 45.4 | 27.6 | 68.1 | 12.9 | 60.6 | 55.7 | .445 | 5.0 | 0.9 | 84 | 539 | 120.7 | 43.6 | 1.4 | 3 | 7 | 8 | 13 | 13 | 7.3 | 22 | 3.39 | |
| | Aug. | | 29.865 | 0.540 | 73.0 | 45.4 | 27.6 | 68.1 | 12.9 | 60.6 | 55.7 | .445 | 5.0 | 0.9 | 84 | 539 | 120.7 | 43.6 | 1.4 | 3 | 7 | 8 | 13 | 13 | 7.3 | 22 | 3.39 | |
| | Sept. | | 29.865 | 0.540 | 73.0 | 45.4 | 27.6 | 68.1 | 12.9 | 60.6 | 55.7 | .445 | 5.0 | 0.9 | 84 | 539 | 120.7 | 43.6 | 1.4 | 3 | 7 | 8 | 13 | 13 | 7.3 | 22 | 3.39 | |
| { T. H. EDMONDS, Esq. | July | 107 | 29.871 | 0.622 | 75.5 | 43.6 | 32.9 | 70.0 | 53.4 | 60.2 | 55.0 | .432 | 4.7 | 0.9 | 84 | 533 | 117.4 | 39.4 | 1.3 | 8 | 7 | 7 | 8 | 14 | 7.0 | 21 | 3.46 | |
| | Aug. | | 29.871 | 0.622 | 75.5 | 43.6 | 32.9 | 70.0 | 53.4 | 60.2 | 55.0 | .432 | 4.7 | 0.9 | 84 | 533 | 117.4 | 39.4 | 1.3 | 8 | 7 | 7 | 8 | 14 | 7.0 | 21 | 3.46 | |
| | Sept. | | 29.871 | 0.622 | 75.5 | 43.6 | 32.9 | 70.0 | 53.4 | 60.2 | 55.0 | .432 | 4.7 | 0.9 | 84 | 533 | 117.4 | 39.4 | 1.3 | 8 | 7 | 7 | 8 | 14 | 7.0 | 21 | 3.46 | |
| { TORQUAY, Babinecombe (Devon), F. E. CLAY, Esq., F. R. Met. Soc. | July | 303 | 29.653 | 0.603 | 72.7 | 46.3 | 33.2 | 67.0 | 53.9 | 53.7 | 41.2 | .419 | 4.6 | 1.1 | 82 | 578 | 123.0 | 46.4 | 1.2 | 3 | 13 | 11 | 4 | 9 | 3.9 | 5.4 | 9 | 0.77 |
| | Aug. | | 29.653 | 0.603 | 72.7 | 46.3 | 33.2 | 67.0 | 53.9 | 53.7 | 41.2 | .419 | 4.6 | 1.1 | 82 | 578 | 123.0 | 46.4 | 1.2 | 3 | 13 | 11 | 4 | 9 | 3.9 | 5.4 | 9 | 0.77 |
| | Sept. | | 29.653 | 0.603 | 72.7 | 46.3 | 33.2 | 67.0 | 53.9 | 53.7 | 41.2 | .419 | 4.6 | 1.1 | 82 | 578 | 123.0 | 46.4 | 1.2 | 3 | 13 | 11 | 4 | 9 | 3.9 | 5.4 | 9 | 0.77 |
| { VENTNOR, (Isle of Wight), W. H. CLAY, Esq., F. R. Met. Soc. | July | 80 | 29.909 | 0.592 | 83.0 | 47.5 | 35.5 | 72.4 | 58.6 | 63.7 | 56.3 | .457 | 5.0 | 1.2 | 77 | 523 | 116.0 | 45.8 | 1.2 | 7 | 6 | 5 | 11 | 13 | 6.1 | 17 | 1.72 | |
| | Aug. | | 29.909 | 0.592 | 83.0 | 47.5 | 35.5 | 72.4 | 58.6 | 63.7 | 56.3 | .457 | 5.0 | 1.2 | 77 | 523 | 116.0 | 45.8 | 1.2 | 7 | 6 | 5 | 11 | 13 | 6.1 | 17 | 1.72 | |
| | Sept. | | 29.909 | 0.592 | 83.0 | 47.5 | 35.5 | 72.4 | 58.6 | 63.7 | 56.3 | .457 | 5.0 | 1.2 | 77 | 523 | 116.0 | 45.8 | 1.2 | 7 | 6 | 5 | 11 | 13 | 6.1 | 17 | 1.72 | |
| { OSBORNE, (Isle of Wight), J. R. MANN, Esq. | July | 175 | 29.784 | 0.576 | 84.0 | 41.1 | 39.9 | 72.2 | 54.8 | 61.7 | 57.1 | .467 | 5.2 | 1.2 | 85 | 528 | 120.7 | 43.6 | 0.3 | 1 | 3 | 16 | 11 | 6.4 | 14 | 1.81 | | |
| | Aug. | | 29.784 | 0.576 | 84.0 | 41.1 | 39.9 | 72.2 | 54.8 | 61.7 | 57.1 | .467 | 5.2 | 1.2 | 85 | 528 | 120.7 | 43.6 | 0.3 | 1 | 3 | 16 | 11 | 6.4 | 14 | 1.81 | | |
| | Sept. | | 29.784 | 0.576 | 84.0 | 41.1 | 39.9 | 72.2 | 54.8 | 61.7 | 57.1 | .467 | 5.2 | 1.2 | 85 | 528 | 120.7 | 43.6 | 0.3 | 1 | 3 | 16 | 11 | 6.4 | 14 | 1.81 | | |
| { BRIGHTON, F. E. SAWYER, Esq., F. R. Met. Soc. | July | 206 | 29.738 | 0.611 | 79.0 | 45.0 | 34.0 | 73.2 | 59.1 | 63.1 | 53.8 | .435 | 4.8 | 1.0 | 75 | 526 | 115.8 | 40.6 | 0.7 | 5 | 7 | 11 | 13 | 6.9 | 17 | 1.77 | | |
| | Aug. | | 29.738 | 0.611 | 79.0 | 45.0 | 34.0 | 73.2 | 59.1 | 63.1 | 53.8 | .435 | 4.8 | 1.0 | 75 | 526 | 115.8 | 40.6 | 0.7 | 5 | 7 | 11 | 13 | 6.9 | 17 | 1.77 | | |
| | Sept. | | 29.738 | 0.611 | 79.0 | 45.0 | 34.0 | 73.2 | 59.1 | 63.1 | 53.8 | .435 | 4.8 | 1.0 | 75 | 526 | 115.8 | 40.6 | 0.7 | 5 | 7 | 11 | 13 | 6.9 | 17 | 1.77 | | |
| { SOUTHBOURNE, (near) month (Hants), T. A. COMPTON, Esq., M.D., B.A., F. R. Met. Soc. | July | 93 | 29.847 | 0.576 | 72.6 | 42.7 | 29.9 | 66.8 | 55.1 | 59.9 | 55.1 | .433 | 4.8 | 1.0 | 85 | 531 | 117.4 | 39.4 | 1.1 | 3 | 4 | 12 | 11 | 6.0 | 17 | 2.32 | | |
| | Aug. | | 29.847 | 0.576 | 72.6 | 42.7 | 29.9 | 66.8 | 55.1 | 59.9 | 55.1 | .433 | 4.8 | 1.0 | 85 | 531 | 117.4 | 39.4 | 1.1 | 3 | 4 | 12 | 11 | 6.0 | 17 | 2.32 | | |
| | Sept. | | 29.847 | 0.576 | 72.6 | 42.7 | 29.9 | 66.8 | 55.1 | 59.9 | 55.1 | .433 | 4.8 | 1.0 | 85 | 531 | 117.4 | 39.4 | 1.1 | 3 | 4 | 12 | 11 | 6.0 | 17 | 2.32 | | |
| { SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | July | 138 | 29.752 | 1.014 | 82.0 | 38.0 | 44.0 | 73.3 | 59.8 | 60.7 | 56.9 | .465 | 5.2 | 0.8 | 88 | 538 | 122.0 | — | — | 1 | 2 | 18 | 10 | 7.1 | 22 | 2.35 | | |
| | Aug. | | 29.752 | 1.014 | 82.0 | 38.0 | 44.0 | 73.3 | 59.8 | 60.7 | 56.9 | .465 | 5.2 | 0.8 | 88 | 538 | 122.0 | — | — | 1 | 2 | 18 | 10 | 7.1 | 22 | 2.35 | | |
| | Sept. | | 29.752 | 1.014 | 82.0 | 38.0 | 44.0 | 73.3 | 59.8 | 60.7 | 56.9 | .465 | 5.2 | 0.8 | 88 | 538 | 122.0 | — | — | 1 | 2 | 18 | 10 | 7.1 | 22 | 2.35 | | |
| { RARNSTAPLE (Devon), WILLIAM KNILL, Esq. | July | 43 | 29.912 | 0.590 | 80.0 | 49.0 | 31.0 | 71.5 | 56.5 | 63.7 | 55.2 | .425 | 4.7 | 1.8 | 76 | 529 | 115.8 | 40.6 | 1.2 | 2 | 6 | 11 | 12 | 3.1 | 19 | 3.12 | | |
| | Aug. | | 29.912 | 0.590 | 80.0 | 49.0 | 31.0 | 71.5 | 56.5 | 63.7 | 55.2 | .425 | 4.7 | 1.8 | 76 | 529 | 115.8 | 40.6 | 1.2 | 2 | 6 | 11 | 12 | 3.1 | 19 | 3.12 | | |
| | Sept. | | 29.912 | 0.590 | 80.0 | 49.0 | 31.0 | 71.5 | 56.5 | 63.7 | 55.2 | .425 | 4.7 | 1.8 | 76 | 529 | 115.8 | 40.6 | 1.2 | 2 | 6 | 11 | 12 | 3.1 | 19 | 3.12 | | |

| Year 1884. | Months. | Height of Station above Sea Level. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | Vapour. | | | Mean Degree of Humidity, $\frac{W}{W+P}$ = 100. | Mean Weight of a cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | Mean of Readings on Thermometer. | Wind. | | | Mean Amount of Cloud. | Number of Days with Rain. |
|--|---------|------------------------------------|----------------------------------|--------|------------|------------------------------|---------|--------|-------------------|--------------|-------------|--------------|---|-------------------------------------|-------------------------|-------------------|----------------------------------|------------------------|------|------------|-----------------------|---------------------------|
| | | | Mean. | Range. | Direction. | Highest. | Lowest. | Range. | | All Highest. | All Lowest. | Daily Range. | | | | | | Relative Proportion of | | Estimated. | | |
| | | | | | | | | | | | | | | | | | | %. | W. | | | |
| BATH (Somerset), St. Gregory's College, Downside. | July | 297.307 | 29.307 | 74.4 | 47.0 | 27.4 | 69.8 | 53.3 | 48.4 | 53.4 | 48.0 | 4.0 | 1.0 | 84 | 123.1 | 44.1 | 1.0 | 1.0 | 6.5 | 20 | 4.88 | |
| REV. T. J. ALMOND, O.S.B. | Aug. | 297.307 | 29.307 | 74.4 | 47.0 | 27.4 | 69.8 | 53.3 | 48.4 | 53.4 | 48.0 | 4.0 | 1.0 | 84 | 123.1 | 44.1 | 1.0 | 1.0 | 6.5 | 20 | 4.88 | |
| REV. THOMAS A. FRESTON, M.A., F.R.S. Met. Soc. | Sept. | 297.183 | 29.183 | 77.4 | 39.5 | 37.9 | 64.6 | 51.1 | 35.5 | 52.7 | 38.1 | 5.0 | 0.9 | 83 | 134.2 | 30.8 | 1.0 | 0.8 | 5.0 | 19 | 5.62 | |
| MARLBOROUGH (Wilt). | July | 297.453 | 29.453 | 76.0 | 40.9 | 37.9 | 60.4 | 53.1 | 46.0 | 53.8 | 41.5 | 4.0 | 1.0 | 80 | 130.5 | 40.0 | 0.0 | 4.0 | 7.5 | 21 | 9.09 | |
| REV. THOMAS A. FRESTON, M.A., F.R.S. Met. Soc. | Aug. | 297.510 | 29.510 | 76.0 | 40.9 | 37.9 | 60.4 | 53.1 | 46.0 | 53.8 | 41.5 | 4.0 | 1.0 | 80 | 130.5 | 40.0 | 0.0 | 4.0 | 7.5 | 21 | 9.09 | |
| BLACKHEATH (Kent). | Sept. | 297.611 | 29.611 | 79.3 | 39.7 | 40.6 | 60.2 | 50.1 | 32.1 | 57.5 | 37.7 | 4.0 | 1.0 | 79 | 125.8 | 45.6 | 0.2 | 6.0 | 4.5 | 13 | 1.81 | |
| JAMES GLABIER, Esq., F.R.S. | July | 297.788 | 29.788 | 81.1 | 36.5 | 37.6 | 72.9 | 54.7 | 38.9 | 54.7 | 43.9 | 4.0 | 1.0 | 75 | 127.7 | 41.7 | 0.0 | 4.0 | 5.4 | 14 | 2.18 | |
| ROYAL OBSERVATORY, Greenwich. | Aug. | 297.828 | 29.828 | 81.0 | 36.4 | 38.9 | 72.9 | 54.7 | 38.9 | 54.7 | 43.9 | 4.0 | 1.0 | 75 | 127.7 | 41.7 | 0.0 | 4.0 | 5.4 | 14 | 2.18 | |
| W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | Sept. | 297.830 | 29.830 | 83.0 | 36.2 | 39.2 | 69.2 | 53.6 | 35.6 | 59.7 | 40.2 | 4.0 | 1.0 | 73 | 131.4 | 43.9 | 0.9 | 5.0 | 4.4 | 13 | 2.16 | |
| WHITCHURCH RECTORY (Oxon), (near Reading). | July | 297.838 | 29.838 | 84.4 | 38.0 | 40.7 | 72.9 | 54.7 | 38.9 | 54.7 | 43.9 | 4.0 | 1.0 | 73 | 131.4 | 43.9 | 0.9 | 5.0 | 4.4 | 13 | 2.16 | |
| REV. J. SLATTERY, M.A., F.R. Met. Soc. | Aug. | 297.835 | 29.835 | 84.4 | 38.0 | 40.7 | 72.9 | 54.7 | 38.9 | 54.7 | 43.9 | 4.0 | 1.0 | 73 | 131.4 | 43.9 | 0.9 | 5.0 | 4.4 | 13 | 2.16 | |
| GARDEN SQUARE (London), O. J. SYMONS, Esq., F.R.S., F.R. Met. Soc. | Sept. | 297.835 | 29.835 | 84.4 | 38.0 | 40.7 | 72.9 | 54.7 | 38.9 | 54.7 | 43.9 | 4.0 | 1.0 | 73 | 131.4 | 43.9 | 0.9 | 5.0 | 4.4 | 13 | 2.16 | |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | July | 297.838 | 29.838 | 86.9 | 42.2 | 42.7 | 74.1 | 51.4 | 39.7 | 62.8 | 42.3 | 4.0 | 1.0 | 73 | 131.4 | 43.9 | 0.9 | 5.0 | 4.4 | 13 | 2.16 | |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | Aug. | 297.835 | 29.835 | 86.9 | 42.2 | 42.7 | 74.1 | 51.4 | 39.7 | 62.8 | 42.3 | 4.0 | 1.0 | 73 | 131.4 | 43.9 | 0.9 | 5.0 | 4.4 | 13 | 2.16 | |
| ROYSTON (Hertfordshire), H. W. M. GAN, Esq., F.R.A.S., F.R. Met. Soc. | Sept. | 297.787 | 29.787 | 89.2 | 41.9 | 44.0 | 74.7 | 52.9 | 41.9 | 63.9 | 46.4 | 5.0 | 1.2 | 80 | 131.6 | 46.7 | 2.5 | 10.0 | 1.8 | 18.0 | | |
| BEDFORD, Cardington, Mr. R. MCLAREN, Assistant to Mr. W. H. M. GAN, M.P. | July | 297.846 | 29.846 | 88.4 | 39.4 | 49.2 | 74.4 | 52.0 | 32.4 | 62.0 | 43.3 | 4.0 | 1.0 | 79 | 131.6 | 46.7 | 2.5 | 10.0 | 1.8 | 18.0 | | |
| Mr. W. H. M. GAN, M.P. | Aug. | 297.910 | 29.910 | 89.6 | 40.0 | 50.6 | 75.2 | 51.3 | 36.9 | 64.1 | 45.5 | 4.0 | 1.0 | 80 | 131.6 | 46.7 | 2.5 | 10.0 | 1.8 | 18.0 | | |
| CAMBRIDGE (Trinity College), J. W. L. GLABIER, Esq., M.A., F.R.S. | Sept. | 297.107 | 29.107 | 91.4 | 34.0 | 34.1 | 70.1 | 59.3 | 19.8 | 69.1 | 55.5 | 4.0 | 1.0 | 83 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| RUGBY (Warwickshire), The Rectory, Stockton, W. TUCKWELL. | July | 297.871 | 29.871 | 88.2 | 40.0 | 47.2 | 73.0 | 52.1 | 33.9 | 62.3 | 57.1 | 4.0 | 1.0 | 83 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | Aug. | 297.921 | 29.921 | 91.8 | 41.0 | 48.6 | 73.5 | 51.7 | 35.6 | 63.7 | 54.1 | 4.0 | 1.0 | 84 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| | Sept. | 297.943 | 29.943 | 89.1 | 39.0 | 46.1 | 69.7 | 50.3 | 19.4 | 59.0 | 53.7 | 4.0 | 1.0 | 83 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| | July | 297.980 | 29.980 | 86.2 | 38.0 | 45.2 | 72.3 | 51.4 | 30.9 | 60.3 | 54.3 | 4.0 | 1.0 | 80 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| | Aug. | 297.946 | 29.946 | 86.2 | 38.0 | 45.2 | 72.3 | 51.4 | 30.9 | 60.3 | 54.3 | 4.0 | 1.0 | 80 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| | Sept. | 297.646 | 29.646 | 91.2 | 34.0 | 34.1 | 70.1 | 59.3 | 19.8 | 69.1 | 55.5 | 4.0 | 1.0 | 83 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| | July | 297.721 | 29.721 | 86.8 | 40.0 | 31.3 | 28.7 | 49.9 | 39.3 | 10.6 | 40.5 | 3.0 | 0.6 | 87 | 145.0 | 34.9 | 0.5 | 4.0 | 12.0 | 1.27 | | |
| | Aug. | 297.869 | 29.869 | 91.2 | 34.0 | 34.1 | 70.1 | 59.3 | 19.8 | 69.1 | 55.5 | 4.0 | 1.0 | 83 | 139.3 | 46.9 | 1.1 | 4.0 | 11.0 | 1.40 | | |
| | Sept. | 297.921 | 29.921 | 86.8 | 40.0 | 31.3 | 28.7 | 49.9 | 39.3 | 10.6 | 40.5 | 3.0 | 0.6 | 87 | 145.0 | 34.9 | 0.5 | 4.0 | 12.0 | 1.27 | | |
| | July | 297.952 | 29.952 | 78.1 | 52.5 | 52.6 | 67.8 | 19.0 | 61.8 | 56.9 | 46.2 | 5.0 | 1.4 | 84 | 159.9 | 118.7 | 2.1 | 6.0 | 15.0 | 5.92 | | |
| | Aug. | 297.952 | 29.952 | 78.1 | 52.5 | 52.6 | 67.8 | 19.0 | 61.8 | 56.9 | 46.2 | 5.0 | 1.4 | 84 | 159.9 | 118.7 | 2.1 | 6.0 | 15.0 | 5.92 | | |
| | Sept. | 297.952 | 29.952 | 78.1 | 52.5 | 52.6 | 67.8 | 19.0 | 61.8 | 56.9 | 46.2 | 5.0 | 1.4 | 84 | 159.9 | 118.7 | 2.1 | 6.0 | 15.0 | 5.92 | | |
| | July | 297.952 | 29.952 | 78.1 | 52.5 | 52.6 | 67.8 | 19.0 | 61.8 | 56.9 | 46.2 | 5.0 | 1.4 | 84 | 159.9 | 118.7 | 2.1 | 6.0 | 15.0 | 5.92 | | |
| | Aug. | 297.952 | 29.952 | 78.1 | 52.5 | 52.6 | 67.8 | 19.0 | 61.8 | 56.9 | 46.2 | 5.0 | 1.4 | 84 | 159.9 | 118.7 | 2.1 | 6.0 | 15.0 | 5.92 | | |
| | Sept. | 297.952 | 29.952 | 78.1 | 52.5 | 52.6 | 67.8 | 19.0 | 61.8 | 56.9 | 46.2 | 5.0 | 1.4 | 84 | 159.9 | 118.7 | 2.1 | 6.0 | 15.0 | 5.92 | | |

| Temperature of | | | | | | | | | | | | Elastic Force of Vapour. | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--|------------|--|----------------------|--|-------|--|-------|--|-----------------------------|---|--|
| Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | |
| 1884. MONTHS. | Mean. | Diff. from ave- rage of 115 years. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | | Mean. | Diff. from ave- rage of 43 years. |
| | o | o | o | o | o | o | o | o | o | in. | in. | grs. | grs. | |
| Oct. - | 48.9 | -0.6 | -1.1 | 46.4 | -1.6 | 43.7 | -2.2 | 14.9 | +0.3 | 0.285 | -0.026 | 3.2 | -0.7 | |
| Nov. - | 42.4 | +0.1 | -1.1 | 40.5 | -0.9 | 38.3 | -1.1 | 10.8 | -0.7 | 0.231 | -0.015 | 2.7 | -0.2 | |
| Dec. - | 41.0 | +1.9 | +1.1 | 39.3 | +0.8 | 37.2 | +0.6 | 8.6 | -0.8 | 0.222 | +0.003 | 2.6 | 0.0 | |
| Means - | 41.1 | +0.5 | -0.4 | 42.1 | -0.6 | 39.7 | -0.9 | 11.4 | -0.4 | 0.216 | -0.013 | 2.8 | -0.3 | |

| Reading of Thermometer on Grass. | | | | | | | | | | | | | | |
|----------------------------------|-------|--|--------|--|-------|--|-------------|---|--|------------------------|---------------------------------|---------------|---|--|
| Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Number of Nights it was | | | | | |
| 1884. MONTHS. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Mean. | Diff. from ave- rage of 43 years. | Amount. | | Diff. from ave- rage of 69 years. | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | | | | |
| | | | in. | in. | grs. | grs. | in. | in. | Miles. | | | | o | o |
| Oct. - | 83 | - 5 | 29.895 | +0.185 | 544 | + 4 | 1.04 | -1.79 | 294 | 9 | 18 | 4 | 25.6 | 46.1 |
| Nov. - | 85 | - 3 | 29.978 | +0.237 | 533 | + 5 | 0.99 | -1.36 | 260 | 16 | 9 | 5 | 17.5 | 44.9 |
| Dec. - | 87 | - 2 | 29.690 | -0.102 | 519 | - 3 | 2.51 | +0.56 | 430 | 6 | 23 | 2 | 20.9 | 46.7 |
| Means - | 85 | - 3 | 29.854 | +0.043 | 549 | + 2 | Sum 4.57 | Sum -2.59 | Mean 328 | Sum 31 | Sum 50 | Sum 11 | Lowest 17.5 | Highest 46.7 |

NOTE.—In reading this table it will be borne in mind that the sign (+) signifies above the average, and the minus sign (—) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|-----------|----------|-------------------------------|
| | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. | 1884. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 7½ | 2½ | + 5 | 5½ | 2½ | + 3½ | 2½ | 2½ | + 1 |
| N. | 2½ | 3½ | - 1½ | 1½ | 4½ | - 2½ | 3½ | 3 | + ½ |
| N.E. | 2½ | 3 | - ½ | 2½ | 4 | - 1½ | 2½ | 2½ | 0 |
| E. | 3 | 1½ | + 1½ | 3½ | 2½ | + 1½ | 5½ | 2 | + 3½ |
| S.E. | ½ | 2 | - 1½ | 1½ | 4 | - 2½ | 1 | 3½ | - 1½ |
| S. | 2 | 4 | - 2 | 3½ | 4 | - ½ | 2 | 11 | - 9 |
| S.W. | 3½ | 10 | - 6½ | 8½ | 2½ | - 6½ | 8½ | 4½ | - 2½ |
| W. | 7½ | 4½ | + 3½ | 7½ | 2½ | + 4½ | 4½ | 4½ | 0 |
| Calm. | 1½ | 0 | + 1½ | 2 | 0 | + 2 | 0 | 0 | 0 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of October are opposite to N.W. and W.; in November to W. and N.W.; and in December to E. and N.W.

The minus sign (—) denotes deficiencies below averages. In October the largest numbers are opposite to S.W. and S.; in November to S.W. and N.; and in December to S.W. and S.

The mean reading of the barometer for the month of October at the height of 160 feet above the level of the sea was 29.895 ins., being 0.185 in. higher than the average of 43 years, and being 0.095 in., 0.239 in., and 0.068 in. higher than in 1883, 1882, and 1881 respectively.

The mean reading of the barometer for the month of November was 29.978 ins., being 0.237 in. above the average of 43 years, and being 0.319 in., 0.446 in., and 0.193 in. higher than in 1883, 1882, and in 1881 respectively.

The mean reading of the barometer for the month of December was 29.690 ins., being 0.102 in. below the average of 43 years, and being 0.293 in. lower than in 1883, 0.197 in. higher than in 1882, and 0.131 in. lower than in 1881.

From September to October there was an increase of pressure at stations south of 51° of 0.098 in., between 51° and 52° of 0.065 in., between 52° and 53° of 0.044 in., between 53° and 54° of 0.051 in., and north of 54° of 0.056 in.

From October to November there was an increase of pressure at stations south of 51° of 0.054 in., between 51° and 52° of 0.086 in., between 52° and 53° of 0.100 in., between 53° and 54° of 0.091 in., and north of 54° of 0.102 in.

From November to December there was a decrease of pressure at stations south of 51° of 0.251 in., between 51° and 52° of 0.286 in., between 52° and 53° of 0.317 in., between 53° and 54° of 0.328 in., and north of 54° of 0.363 in.

About London the barometric pressure till October 7th, was above the average by 0.39 in. daily; from the 8th to the 12th it was below by 0.22 in. daily; for 13 days there was an excess of mean daily pressure to the amount of 0.31 in.; then for 3 days a daily deficiency of 0.20 in. From October 29th the pressures were above their averages, with but few slight exceptions till November 27th, the average daily excess of these 30 days being 0.26 in. From November 28th to December 20th, the pressure was generally below its average, the mean daily deficiency being 0.17 in.; from the 21st the pressure was alternately on 2 or 3 days a little above the average, and then on 2 or 3 days a little below.

Thunderstorms occurred in October on the 9th at Barnet and Oxford; on the 21st at Salisbury; and on the 26th at Carlisle.

In November on the 4th at Silloth.

In December on the 18th at Totnes, Ventnor and Nottingham; on the 19th at Torquay.

Thunder was heard but lightning was not seen in October, on the 24th at Carlisle.

In December on the 17th at Bolton; and on the 19th at Bath.

Lightning was seen but thunder was not heard in October, on the 10th at Torquay; on the 11th at Guernsey; and on the 14th at Halifax.

In November on the 20th at Carlisle.

In December on the 4th at Burslem and Lancaster; on the 12th and 13th at Carlisle; on the 18th at Plymouth and Torquay; on the 26th at Guernsey.

Solar halos were seen in October on the 1st at Halifax; on the 3rd at Torquay and Halifax; on the 4th, 7th, 11th, 12th, and 19th at Halifax; on the 24th at Leicester; on the 25th at Torquay and Oxford; on the 26th, 27th, 28th, 29th, 30th, and 31st at Halifax.

In November, on the 1st, 3rd, 4th, 5th, 7th, 8th, and 9th at Halifax; on the 10th at Oxford and Halifax; on the 13th and 14th at Halifax; on the 15th at Oxford; on the 22nd, 23rd, 25th, and 26th at Halifax; on the 28th at Oxford and Halifax; on the 29th at Halifax.

In December on the 2nd at Torquay; on the 5th, 6th, 15th, 16th, 20th, and 22nd at Halifax.

Lunar halos were seen in October on the 2nd at Oxford; on the 3rd at Torquay and Oxford; on the 28th at Torquay; on the 29th at Guernsey, Torquay, Halifax, and Stonyhurst.

In November on the 2nd at Hull; on the 3rd at Torquay and Halifax; on the 4th at Marlborough and Oxford; on the 25th and 26th at Halifax; and on the 29th at Torquay.

In December on the 1st at Torquay; on the 2nd and 3rd at Oxford; on the 3rd at Cambridge and Halifax; on the 4th at Torquay; on the 6th at Bolton; on the 30th at Bradford; and on the 31st at Royston and Cambridge.

Snow fell in October, on the 9th at Bolton and Carlisle; on the 10th at Torquay, Rugby, Leicester, Burslem, Bolton, and Halifax; on the 26th at Halifax.

In November, on the 17th at Burslem; on the 18th at Royston, on the 20th at Oxford; on the 22nd at Marlborough; on the 24th at Barnet, Oxford, Cardington, Rugby, Burslem, Bolton, and Halifax; on the 25th at Marlborough, Oxford, Rugby, Wolverhampton, Nottingham, Burslem, and Halifax; on the 28th at Burslem; on the 29th at Torquay, Osborne, Marlborough, Royston, Lowestoft, and Somerleyton; on the 30th at Totnes, Barnet, Oxford, Royston, Cardington, Somerleyton, Nottingham, Burslem, Bolton, Halifax, Bradford, and Leeds.

In December, on the 1st at Blackheath, Barnet, Royston, Cambridge, Burslem, Bolton, Hull, and Lancaster; on the 15th at Bolton; on the 17th at Totnes, Torquay, Whitechurch, Royston, Cambridge, Rugby, Nottingham, Burslem, Bolton, Halifax, and Bradford; on the 18th at Oxford, Royston, Cambridge, Lowestoft, Nottingham, Burslem, Halifax, and Hull; on the 19th at Halifax; on the 20th at Whitechurch, Royston, Cambridge, Rugby, Nottingham, and Burslem; on the 23rd at Torquay, Ventnor, and Barnet; on the 24th at Burslem; on the 25th at Whitechurch, Barnet, Oxford, Royston, Cambridge, Rugby, and Burslem; on the 26th at Bath and Rugby; on the 27th at Cambridge; and on the 30th at Oxford.

Hail fell in October, on the 8th at Truro; on the 9th at Guernsey; on the 10th at Totnes, Torquay, Whitechurch; on the 11th at Guernsey; on the 12th at Guernsey and Plymouth; on the 26th at Rugby, Bolton, Halifax, and Bradford; on the 28th at Bolton; on the 29th at Bolton and Halifax.

In November, on the 7th at Stonyhurst; on the 24th at Lowestoft, on the 28th at Truro, Whitechurch, Oxford; on the 29th at Truro.

In December, on the 3rd at Truro; on the 4th at Guernsey, Truro, Totnes, Torquay, Bath, Blackheath, Rugby, Bolton, Halifax, Lancaster; on the 7th at Bath; on the 9th at Halifax; on the 15th at Bolton and Halifax; on the 17th at Truro, Totnes, Torquay, Bolton; on the 18th at Guernsey, Royston, Bolton, Halifax; on the 19th at Truro and Bath; on the 20th at Torquay, Bath; on the 24th at Lowestoft; on the 25th at Guernsey; on the 30th at Llandudno.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31ST, 1884.
The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1884. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | Mean Dew Point. | Vapour. In a cubic foot of Air. | Mean Weight of a cubic foot of Air. | Mean Reading of Thermometer. | | Wind. Relative Proportion of Direction. | Mean Amount of Cloud. | Rain. Amount in inch. | | |
|---------------|--------|---------------------------------------|-------------------------------------|----------------------------------|--------|---------|------------------------------|--------|---------|----------------------|--------------------|---------------------------------------|---|---------------------------------|-------|--|-----------------------------|-----------------------------|----------------------------|----------------------------|
| | | | | Mean. | Range. | Lowest. | Highest. | Range. | Lowest. | | | | | Highest. | Mean. | | | | Minimum on Kays of Gun. | Maximum on Kays of Gun. |
| | | | | | | | | | | | | | | | | | | | | |
| Oct. | 29-845 | 1-380 | 61-8 | 40-0 | 21-8 | 57-1 | 48-3 | 3-4 | 1-1 | 75 | 540 | 96-0 | 41-5 | 0-9 | 11 | 1-5 | 3-9 | 2-19 | | |
| Nov. | 29-878 | 0-693 | 61-8 | 31-9 | 27-7 | 50-4 | 43-2 | 7-2 | 4-4 | 81 | 547 | 78-8 | 37-3 | 1-5 | 16 | 0-9 | 8-1 | 2-03 | | |
| Dec. | 29-638 | 1-210 | 55-0 | 35-0 | 20-0 | 47-1 | 41-0 | 6-7 | 4-0 | 74 | 544 | 63-2 | 37-4 | 1-3 | 6 | 0-9 | 7-37 | 7-37 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Nov. | 29-883 | 0-810 | 61-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Dec. | 29-795 | 0-700 | 56-0 | 28-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | 0-9 | 7-3 | 2-29 | | |
| Oct. | 29-883 | 1-333 | 63-0 | 32-0 | 23-0 | 58-9 | 45-8 | 13-1 | 51-2 | 82 | 548 | 101-9 | 37-2 | 2-1 | 8 | | | | | |

Second Rain-gauges are placed—
At Eastbourne, at the height of 100 feet above the sea; the amount collected was

In December, on the 1st at Whitechurch and Wolverhampton; on the 2nd at Whitechurch, Cambridge, Lowestoft; on the 9th at Blackheath; on the 12th at Blackheath; on the 16th at Oxford and Somerleyton; on the 20th at Oxford; on the 26th, 27th, and 29th at Bolton; and on the 30th at Bolton; and on the 31st at Whitechurch, Cambridge, Hull, and Bradford.

| Inst. | September, inches. | October, inches. | November, inches. | December, inches. | Total in Quarter, inches. |
|-------|-----------------------|---------------------|----------------------|----------------------|------------------------------|
| 33 | 4.77 | — | — | — | — |
| 15 | 3.83 | — | — | — | — |
| 16 | 3.83 | — | 1.07 | — | 4.90 |
| 17 | 3.83 | — | — | — | — |
| 18 | 1.26 | 0.83 | 1.07 | 4.71 | 4.61 |
| 19 | — | 1.23 | 1.18 | 1.58 | 4.02 |
| 20 | 1.40 | — | 0.76 | 1.97 | 3.40 |
| 21 | — | 0.67 | — | — | — |
| 22 | — | 2.19 | 1.99 | 2.21 | 7.19 |
| 23 | 2.32 | — | — | — | — |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | Amount collected. | | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|------------------------|-----|-----|----|-----------------------|-----------------------|----------------------------------|-------------------|------|------|
| | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | |
| | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | gr. | grs. | ° | ° | ° | ° | | | | | | | | | |
| Guernsey | 29.832 | 61.8 | 31.0 | 29.9 | 51.7 | 44.2 | 23.2 | 7.6 | 47.8 | 41.1 | 260 | 8.9 | 0.9 | 77 | 544 | 79.3 | 38.7 | 1.0 | 9 | 6 | 4 | 11 | 1.9 | 7.0 | 63 | 1.59 | |
| Truro | 29.760 | 65.0 | 29.0 | 37.0 | 53.3 | 34.1 | 7.3 | 11.6 | 47.1 | 43.3 | 274 | 8.1 | 0.8 | 547 | 574 | 82.9 | 42.6 | 1.0 | 8 | 6 | 10 | 13 | 2.7 | 6.7 | 84 | 8.84 | |
| Plymouth | 29.810 | 61.8 | 29.0 | 37.0 | 51.7 | 41.2 | 23.2 | 7.6 | 47.8 | 41.1 | 260 | 8.1 | 0.8 | 274 | 31 | 0.8 | 274 | 31 | 0.8 | 274 | 31 | 0.8 | 274 | 31 | 0.8 | 274 | 31 |
| Totnes | 29.861 | 64.9 | 29.0 | 37.0 | 52.1 | 33.0 | 42.9 | 9.1 | 45.8 | 42.0 | 268 | 3.1 | 0.4 | 91 | 549 | 81.4 | 34.1 | 1.0 | 2.5 | 9 | 4 | 7 | 11 | 7.1 | 4.9 | 9.43 | |
| Torquay | 29.809 | 63.6 | 29.5 | 37.1 | 51.1 | 41.6 | 27.4 | 9.5 | 46.1 | 41.8 | 263 | 2.0 | 0.6 | 84 | 544 | 81.4 | 34.1 | 1.0 | 1.6 | 7 | 5 | 7 | 12 | 4.1 | 7.3 | 47 | 6.20 |
| Venmore | 29.768 | 64.2 | 29.5 | 34.7 | 53.4 | 43.1 | 37.7 | 9.4 | 46.4 | 40.8 | 257 | 2.9 | 0.8 | 81 | 548 | - | - | 1.4 | 1.6 | 6 | 4 | 11 | 5.0 | 6.4 | 38 | 6.03 | |
| Osborne | 29.782 | 67.1 | 36.1 | 41.0 | 50.8 | 39.9 | 32.1 | 10.9 | 45.3 | 41.2 | 273 | 3.1 | 0.4 | 90 | 538 | 70.6 | 38.7 | 0.2 | 8 | 5 | 7 | 11 | 6.5 | 4.1 | 5.85 | | |
| Brighton | 29.851 | 63.0 | 30.3 | 37.0 | 49.3 | 39.7 | 21.2 | 9.6 | 44.3 | 40.6 | 252 | 2.9 | 0.5 | 86 | 550 | - | 35.4 | 1.2 | 1.1 | 4 | 5 | 11 | 6.3 | 4.7 | 5.91 | | |
| Southbourne | 29.793 | 65.3 | 29.4 | 34.0 | 51.0 | 38.6 | 39.6 | 11.4 | 43.4 | 40.2 | 251 | 2.9 | 0.6 | 82 | 549 | - | - | 1.4 | 1.1 | 5 | 5 | 9 | 5.9 | 3.7 | 5.69 | | |
| Salisbury | 29.807 | 67.0 | 18.0 | 40.0 | 51.2 | 34.4 | 39.7 | 16.9 | 43.8 | 38.0 | 231 | 2.7 | 0.6 | 82 | 550 | 70.3 | - | 1.3 | 1.1 | 5 | 5 | 9 | 7.0 | 5.3 | 6.00 | | |
| Barnstaple | 29.799 | 64.0 | 29.0 | 33.5 | 42.7 | 34.0 | 24.2 | 9.7 | 47.6 | 43.4 | 285 | 3.3 | 0.3 | 87 | 549 | - | - | 1.3 | 8 | 5 | 8 | 10 | 4.9 | 6.1 | 10.3 | | |
| Bath | 29.794 | 62.4 | 28.8 | 38.6 | 48.1 | 38.3 | 24.2 | 9.8 | 47.1 | 39.9 | 248 | 2.9 | 0.4 | 90 | 541 | 74.5 | 28.0 | 1.7 | 1.9 | 5 | 6 | 11 | 6.7 | 4.1 | 10.93 | | |
| Marlborough | 29.794 | 64.0 | 29.5 | 34.5 | 48.6 | 36.4 | 31.2 | 12.2 | 42.4 | 38.9 | 238 | 2.7 | 0.5 | 84 | 549 | 72.6 | 31.3 | 0.7 | 8 | 6 | 5 | 11 | 7.3 | 4.6 | 12.05 | | |
| Blackheath | 29.781 | 62.0 | 29.2 | 35.8 | 49.3 | 38.9 | 29.0 | 10.4 | 44.2 | 39.0 | 243 | 2.8 | 0.6 | 81 | 549 | 72.4 | 30.6 | 0.7 | 7 | 6 | 6 | 12 | 6.9 | 3.8 | 4.25 | | |
| Royal Observatory | 29.781 | 62.7 | 29.4 | 35.8 | 49.0 | 37.8 | 33.1 | 11.4 | 44.1 | 39.7 | 244 | 2.8 | 0.5 | 85 | 549 | 69.3 | 32.5 | - | - | - | - | 1.2 | 7.2 | 4.2 | 4.27 | | |
| Whitechurch | 29.787 | 63.0 | 29.4 | 38.8 | 49.9 | 36.6 | 32.7 | 13.0 | 42.9 | 36.7 | 242 | 2.8 | 0.5 | 88 | 552 | - | - | 1.4 | 8 | 6 | 6 | 10 | 6.3 | 4.3 | 4.14 | | |
| Camden Square | 29.780 | 63.9 | 29.3 | 33.8 | 50.5 | 38.8 | 31.1 | 11.8 | 44.6 | 40.6 | 245 | 2.8 | 0.5 | 83 | 549 | 64.5 | 33.8 | 0.9 | 7 | 6 | 9 | 9 | 6.7 | 3.9 | 5.48 | | |
| Barnet | 29.826 | 64.1 | 29.1 | 44.0 | 49.5 | 35.3 | 37.6 | 13.3 | 43.0 | 39.3 | 242 | 2.8 | 0.5 | 83 | 549 | 71.4 | 33.3 | 0.1 | 10 | 8 | 3 | 10 | 7.5 | 3.3 | 6.32 | | |
| Oxford | 29.793 | 63.3 | 29.4 | 42.0 | 50.0 | 39.4 | 31.4 | 11.8 | 44.3 | 39.7 | 246 | 2.8 | 0.6 | 84 | 547 | 74.1 | 34.2 | 2.2 | 7 | 4 | 9 | 11 | 0.8 | 7.0 | 3.8 | 4.42 | |
| Royston | 29.814 | 64.6 | 29.6 | 39.6 | 48.8 | 37.3 | 31.1 | 11.5 | 42.7 | 38.1 | 231 | 2.7 | 0.5 | 85 | 549 | - | - | 6 | 4 | 9 | 11 | 6.7 | 3.5 | 4.91 | | | |
| Cardington | 29.776 | 67.4 | 29.4 | 39.2 | 49.8 | 36.4 | 38.5 | 13.5 | 40.9 | 37.1 | 237 | 2.7 | 0.5 | 86 | 552 | 57.1 | 32.7 | 1.3 | 8 | 2 | 6 | 13 | 6.8 | 3.6 | 4.07 | | |
| Cambridge | 29.756 | 64.2 | 29.0 | 37.0 | 42.0 | 37.7 | 35.9 | 12.9 | 42.6 | 38.9 | 240 | 2.9 | 0.4 | 87 | 552 | 73.2 | 31.1 | 1.4 | 6 | 5 | 7 | 13 | 6.8 | 3.9 | 4.04 | | |
| Rugby | 29.760 | 64.0 | 29.8 | 38.5 | 45.5 | 35.5 | 35.3 | 12.9 | 42.3 | 39.4 | 240 | 2.8 | 0.5 | 86 | 548 | - | - | 0.5 | 6 | 8 | 11 | 7.4 | 3.1 | 4.76 | | | |
| Lowestoft | 29.729 | 62.3 | 29.4 | 30.8 | 40.9 | 34.9 | 29.2 | 10.6 | 44.5 | 40.4 | 252 | 2.9 | 0.5 | 87 | 549 | 73.8 | 34.8 | 2.5 | 6 | 4 | 6 | 14 | 7.1 | 5.0 | 7.66 | | |
| Somerleyton | 29.740 | 61.6 | 29.8 | 40.2 | 40.7 | 39.0 | 32.8 | 10.6 | 43.9 | 40.5 | 234 | 2.9 | 0.4 | 89 | 552 | - | - | 1.1 | 6 | 5 | 8 | 12 | 6.2 | 4.9 | 8.29 | | |
| Wolverhampton | 29.819 | 61.2 | 29.2 | 38.9 | 47.6 | 35.2 | 32.7 | 12.6 | 41.4 | 37.3 | 225 | 2.4 | 0.5 | 86 | 546 | - | - | 6 | 5 | 10 | 10 | 7.9 | 3.4 | 5.04 | | | |
| Leicester | 29.774 | 64.7 | 29.3 | 24.1 | 49.0 | 33.9 | 33.9 | 12.2 | 43.2 | 37.9 | 229 | 2.6 | 0.6 | 86 | 548 | 66.6 | 30.7 | 0.9 | 7 | 4 | 9 | 12 | 6.4 | 4.4 | 5.21 | | |
| Nottingham | 29.754 | 62.4 | 29.3 | 37.8 | 49.1 | 38.7 | 30.0 | 10.4 | 41.7 | 39.0 | 229 | 2.8 | 0.5 | 84 | 550 | 61.8 | 35.0 | 0.7 | 5 | 5 | 10 | 10 | 0.5 | 6.7 | 6.3 | 3.72 | |
| Burslem | 29.774 | 62.3 | 29.4 | 37.9 | 44.6 | 36.8 | 30.9 | 10.7 | 41.7 | 39.0 | 231 | 2.7 | 0.5 | 84 | 543 | - | 32.3 | 1.2 | 6 | 5 | 8 | 12 | 6.9 | 1.8 | 6.70 | | |
| Holkham | 29.721 | 60.3 | 29.1 | 33.9 | 40.8 | 38.5 | 33.3 | 12.3 | 42.6 | 38.4 | 238 | 2.6 | 0.5 | 86 | 552 | 68.1 | 30.1 | 1.4 | 7 | 3 | 13 | 8 | 6.7 | 4.0 | 7.25 | | |
| Llandudno | 29.726 | 61.8 | 29.7 | 34.8 | 50.3 | 41.8 | 27.1 | 8.5 | 42.3 | 36.6 | 246 | 2.9 | 0.8 | 77 | 547 | - | - | 1.4 | 7 | 3 | 5 | 16 | 6.8 | 5.1 | 7.57 | | |
| Liverpool | 29.745 | 61.5 | 29.8 | 39.3 | 54.8 | 49.9 | 37.7 | 8.9 | 41.3 | 35.8 | 238 | 2.9 | 0.6 | 81 | 547 | - | - | 1.7 | 6 | 6 | 12 | 6.2 | 6.1 | 6.19 | | | |
| Bolton | 29.761 | 60.6 | 29.3 | 33.1 | 47.0 | 39.6 | 30.8 | 10.7 | 41.7 | 37.3 | 239 | 2.9 | 0.5 | 83 | 548 | 63.4 | 32.4 | 0.8 | 6 | 5 | 8 | 13 | 5.8 | 3.0 | 12.15 | | |
| Halifax | 29.744 | 63.5 | 29.2 | 41.4 | 46.5 | 39.9 | 33.1 | 10.8 | 41.0 | 37.4 | 223 | 2.6 | 0.5 | 87 | 545 | 63.1 | 2.1 | 1.5 | 5 | 5 | 8 | 13 | 7.1 | 4.7 | | | |
| Hull | 29.732 | 62.0 | 29.4 | 40.0 | 49.0 | 42.3 | 37.0 | 12.0 | 42.9 | 38.5 | 236 | 2.7 | 0.5 | 86 | 552 | 56.8 | 36.5 | 1.4 | 5 | 2 | 8 | 16 | 6.2 | 4.7 | 4.52 | | |
| Stonyhurst | 29.760 | 62.0 | 29.1 | 42.0 | 44.8 | 37.5 | 34.7 | 12.6 | 42.3 | 37.7 | 227 | 2.6 | 0.5 | 84 | 546 | 74.6 | 32.2 | - | 7 | 4 | 5 | 15 | 7.6 | 4.8 | 11.86 | | |
| Bradford | 29.735 | 59.5 | 29.5 | 53.0 | 48.3 | 33.6 | 28.2 | 9.7 | 43.2 | 37.7 | 228 | 2.6 | 0.6 | 82 | 545 | 53.5 | 38.6 | - | 0.8 | 9 | 4 | 7 | 11 | 7.6 | 5.6 | 8.89 | |
| Leeds | 29.727 | 62.0 | 29.6 | 36.6 | 48.4 | 37.9 | 30.6 | 9.0 | 44.4 | 38.9 | 237 | 2.7 | 0.6 | 82 | 549 | - | - | 1.1 | 6 | 4 | 7 | 14 | 6.9 | 5.1 | 4.92 | | |
| Lancaster | 29.733 | 62.5 | 29.4 | 30.8 | 47.7 | 37.7 | 25.5 | 10.5 | 42.9 | 38.0 | 232 | 3.0 | 0.4 | 91 | 546 | - | - | - | - | - | - | 5.0 | 10 | 4.1 | | | |
| Silloth | 29.695 | 61.1 | 29.0 | 39.1 | 44.7 | 39.7 | 7.1 | 10.4 | 41.2 | 38.6 | 237 | 2.7 | 0.5 | 86 | 552 | 77.5 | 32.7 | 1.4 | 6 | 7 | 6 | 11 | 7.8 | 6.1 | 3.8 | 8.46 | |
| Carlisle | 29.690 | 63.2 | 29.7 | 44.5 | 48.7 | 35.7 | 37.5 | 13.0 | 42.1 | 38.1 | 232 | 2.7 | 0.5 | 86 | 550 | 61.1 | 32.0 | 0.9 | 4 | 6 | 4 | 17 | 2.7 | 8.0 | 3.8 | 6.10 | |

The highest temperatures of the air were at Cardington, 67°4; at Osborne, 67°1; and at Salisbury, 67°0.

The lowest temperatures of the air were at Salisbury, 18°0; at Rugby, 18°5; and at Carlisle, 18°7.

The greatest ranges of temperature were at Salisbury, 16°9; at Rugby, 13°9; and at Cardington, 13°5.

The least ranges of temperature were at Guernsey, 7°6; at Liverpool, 8°0; and at Llandudno, 8°5.

The greatest number of days of rain were at Guernsey and Nottingham, 63; at Burslem, 58; and at Truro, 57.

The least number of days of rain were at Rugby, 31; at Barnet and Oxford, 33; at Royston, 35.

The greatest falls of rain were at Bolton, 12.15 inches; at Barnstaple, 11.93 inches; at Stonyhurst, 11.86 inches.

The least falls of rain were at Nottingham, 3.72 inches; at Cambridge, 4.06 inches; at Cardington, 4.07 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the sea. | Mean of all Highest Lines of the Thermometer. | Mean of all Lowest Lines of the Thermometer. | Mean Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Number of Days it fell. | RAIN. Mean Amount collected. | | |
|--|-------------|---|---|--|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|------------------------------|---------------------------------|-------|------|
| | | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| | | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | gr. | grs. | ° | ° | ° | ° | | | | | | | in. | | |
| Between the altitudes | 50° and 51° | 29.822 | 61.8 | 31.0 | 29.9 | 51.7 | 44.2 | 23.2 | 7.6 | 47.8 | 41.1 | 260 | 8.0 | 0.9 | 77 | 544 | 79.3 | 38.7 | 1.0 | 9 | 6 | 4 | 11 | 1.9 | 7.0 | 63 | 1.59 | |
| | 51° and 52° | 29.722 | 64.4 | 29.0 | 37.0 | 51.7 | 44.0 | 23.2 | 7.6 | 47.8 | 41.1 | 260 | 8.0 | 0.9 | 77 | 544 | 79.3 | 38.7 | 1.0 | 9 | 6 | 4 | 11 | 1.9 | 7.0 | 63 | 1.59 | |
| | 52° and 53° | 29.709 | 63.0 | 32.4 | 30.4 | 48.9 | 38.0 | 23.4 | 11.9 | 44.0 | 39.7 | 247 | 8.4 | 0.9 | 80 | 548 | 77.4 | 32.6 | 1.3 | 9 | 6 | 6 | 10 | 1.5 | 6.7 | 43 | 6.41 | |
| | 53° and 54° | 29.700 | 62.6 | 33.2 | 31.0 | 48.9 | 37.2 | 23.4 | 11.8 | 42.9 | 39.0 | 246 | 8.3 | 0.8 | 80 | 548 | 77.4 | 32.6 | 1.3 | 9 | 6 | 6 | 10 | 1.5 | 6.7 | 43 | 6.41 | |
| | 54° and 55° | 29.717 | 61.2 | 34.1 | 31.8 | 48.3 | 38.0 | 23.4 | 11.0 | 43.2 | 38.5 | 235 | 8.7 | 0.6 | 84 | 547 | 60.0 | 32.6 | 1.3 | 6 | 4 | 7 | 14 | 1.1 | 6.9 | 50 | 8.14 | |
| | | 29.696 | 62.1 | 32.9 | 31.8 | 48.3 | 36.7 | 24.5 | 11.6 | 42.4 | 38.4 | 235 | 8.7 | 0.5 | 86 | 551 | 69.3 | 32.4 | 0.8 | 5 | 6 | 6 | 15 | 5.3 | 7.0 | 88 | 7.28 | |
| | | 29.683 | 63.4 | 32.3 | 31.9 | 50.0 | 38.9 | 22.9 | 11.1 | 44.5 | 40.3 | 255 | 8.7 | 0.5 | 86 | 547 | 72.3 | 33.5 | 1.4 | 4 | 7 | 9 | 11 | 3.7 | 6.4 | 60 | 9.96 | |
| | | 29.686 | 65.1 | 31.4 | 34.9 | 53.8 | 37.7 | 26.3 | 10.6 | 43.9 | 40.4 | 256 | 8.7 | 0.9 | 87 | 545 | 76.9 | 33.4 | 1.3 | 6 | 7 | 7 | 11 | 4.3 | 7.2 | 65 | 15.05 | |
| | | 29.698 | 64.4 | 33.8 | 35.0 | 51.2 | 39.0 | 27.9 | 11.1 | 44.4 | 40.6 | 256 | 8.9 | 0.4 | 87 | 547 | 76.9 | 33.4 | 1.3 | 6 | 7 | 7 | 14 | 4.1 | 6.8 | 54 | 9.00 | |
| | | 29.757 | 63.1 | 35.6 | 29.5 | 49.5 | 38.3 | 31.8 | 11.1 | 43.7 | 39.2 | 252 | 8.8 | 0.5 | 86 | 548 | 68.4 | 33.4 | 1.3 | 6 | 7 | 5 | 7 | 12 | 3.7 | 6.9 | 45 | 6.95 |
| Mean for the Quarter, 50° to 55° | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year 1881 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " 1882 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " 1883 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| " 1884 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Temperature of | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|--------|--|---|-------|---|-------|---|-------|---|-------|---|-----------------------------|---|---|---|------|
| Air. | | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | | |
| 1885. MONTHS. | Mean. | Diff. from ave- rage of 114 years. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | |
| | o | o | o | o | o | o | o | o | o | in. | in. | grs. | grs. | o | o | |
| | Jan. - | 35.6 | +0.1 | -1.9 | 33.3 | -1.7 | 33.4 | -1.6 | 7.9 | -1.7 | 0.191 | -0.010 | 2.3 | -0.1 | 2.3 | -0.1 |
| | Feb. - | 43.9 | +3.2 | +4.3 | 42.1 | +4.2 | 40.1 | +4.7 | 10.8 | -0.3 | 0.248 | +0.039 | 2.9 | +0.5 | 2.9 | +0.5 |
| Mar. - | 40.3 | -0.8 | -1.4 | 37.4 | -1.9 | 33.8 | -2.3 | 19.5 | +1.8 | 0.194 | -0.024 | 2.3 | -0.2 | 2.3 | -0.2 | |
| Means - | 40.3 | +1.5 | +0.3 | 38.3 | +0.2 | 35.8 | +0.3 | 11.7 | -0.1 | 0.211 | +0.002 | 2.5 | +0.1 | 2.5 | +0.1 | |

| 1885. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|--------------------------|--|--------------------------------------|--|----------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Amount. | Diff. from ave- rage of 70 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| Jan. - | 88 | + 1 | 29.713 | -0.043 | grs. 535 | + 1 | 1.42 | -0.46 | 324 | 16 | 13 | 2 | 16.9 | 46.2 |
| Feb. - | 86 | + 1 | 29.543 | -0.248 | 543 | - 10 | 2.34 | +0.75 | 261 | 6 | 17 | 5 | 22.7 | 47.5 |
| Mar. - | 78 | - 3 | 29.900 | +0.151 | 534 | + 4 | 1.30 | -0.03 | 274 | 24 | 7 | 0 | 20.5 | 37.4 |
| Means - | 83 | 0 | 29.719 | -0.047 | 531 | - 2 | Sum 5.26 | Sum +0.28 | Mean 320 | Sum 46 | Sum 37 | Sum 7 | Lowest 16.9 | Highest 47.5 |

NOTE.—In reading this table it will be borne in mind that the sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|--------|----------|-------------------------------|
| | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 6 | 13 | - 1½ | 3½ | 2 | +1½ | 6½ | 2½ | +4 |
| N. | 2½ | 3½ | - 1 | 3 | 3 | -2½ | 1 | 3½ | -2½ |
| N.E. | 2½ | 3½ | - 1 | 3½ | 3½ | -3 | 7½ | 4 | +3½ |
| E. | 11½ | 10½ | +10½ | 2 | 2 | 0 | 6 | 2½ | +3½ |
| S.E. | 1½ | 2½ | - 1 | 2½ | 1½ | +1½ | 2½ | 2 | +½ |
| S. | 6 | 4½ | + 1½ | 2½ | 3 | -½ | ½ | 2½ | -2½ |
| S.W. | 4 | 9½ | - 5½ | 11½ | 8 | +3½ | 6 | 7½ | -1½ |
| W. | 1½ | 3½ | - 2 | 5½ | 2½ | +2½ | ½ | 3½ | -2½ |
| Calm. | 0 | 2½ | - 2½ | 0 | 2½ | -2½ | 0 | 2½ | -2½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of January are opposite to E. and S.; in February to S.W. and W.; in March to E. and N.E.

The minus sign (-) denotes deficiencies below averages. In January the largest numbers are opposite to S.W. and W.; in February to N.E. and W.; and in March to N. and S.

The mean reading of the barometer for the month of March was 29.900 ins., being 0.151 in. above the average of 44 years, and 0.138 ins., 0.151 in., and 0.057 in. higher than 1884, 1883, and 1882, respectively.

From December to January there was a decrease at stations south of 51° of 0.028 in., between 51° and 52° of 0.001 in., between 52° and 53°, an increase of 0.051 in., between 53° and 54° of 0.038 in., and north of 54° of 0.075 in.

From January to February there was a decrease at stations south of 41° of 0.167 in., between 51° and 52° of 0.175 in., between 52° and 53° of 0.216 in., between 53° and 54° of 0.240 in., and north of 54° of 0.298 in.

From February to March there was an increase at stations south of 51° of 0.357 in. between 51° and 52° of 0.373 in., between 52° and 53° of 0.409 in., between 53° and 54° of 0.460 in., and north of 54° of 0.524 in.

About London the barometric pressure was for the first week in January in excess of its average by 0.25 in. daily; the deficiency for the second week was 0.32 in. daily; from the 15th to the 26th the pressure was slightly in excess of the average values by 0.16 in.; from January 27th, to February 9th, the pressure was below, the deficiency being 0.45 in., January 30th, January

31st, February 1st, 2nd, 3rd, 4th, and 5th, being as much as 0.66 in., 0.79 in., 0.59 in., 0.78 in., 0.65 in., 0.59 in., and 0.54 in. respectively below their averages, for 4 days a daily excess of 0.08 in. For the next 24 days, viz., till March 9th, the pressure was generally below its average, the mean daily deficiency being 0.24 in.; from March 10th to the 17th the mean excess was 0.35 in. daily, for 5 days a daily deficiency averaging 0.14 in., and from March 23rd to the end of the quarter there was an excess of atmospheric pressure to the amount of 0.24 in.

Thunderstorms occurred in January on the 10th at Nottingham; on the 11th at Truro; and on the 31st at Guernsey, Plymouth, Totnes, Torquay, and Salisbury.

In February on the 18th at Bolton; and on the 27th at Stonyhurst.

Thunder was heard but lightning was not seen in January, on the 31st at Ventnor.

In February on the 1st at Stonyhurst; on the 27th at Rugby, Leicester, and Halifax; and on the 28th at Cardington.

Lightning was seen but thunder was not heard in January, on the 10th at Guernsey; and on the 31st at Torquay, Southbourne, Bath, Whitechurch, Oxford, Cardington, and Cambridge.

In February on the 1st at Guernsey and Torquay; on the 2nd at Bath and Oxford; and on the 9th at Bath.

Solar halos were seen in January on the 6th at Halifax; on the 7th at Torquay; on the 12th and 13th at Halifax; on the 21st at Stonyhurst; and on the 29th at Halifax.

In February on the 1st at Oxford; on the 19th at Torquay; and on the 21st and 27th at Oxford.

In March on the 2nd at Oxford; on the 5th at Torquay; on the 6th at Halifax; on the 8th at Oxford; on the 12th at Halifax; on the 17th at Oxford; on the 18th and 21st at Halifax; on the 28th at Torquay; on the 29th at Oxford; and on the 31st at Torquay.

Lunar halos were seen in January on the 24th at Cambridge; on the 27th at Oxford, Cambridge, Lowestoft, Burslem, Halifax, and Bradford; on the 29th, 30th, and 31st at Torquay.

In February on the 23rd at Torquay, Oxford, and Cambridge; on the 24th at Oxford and Cambridge; on the 25th and 27th at Leicester.

In March on the 25th at Guernsey, Torquay, Cambridge, and Stonyhurst; on the 28th at Torquay, Oxford, and Silloth; and on the 31st at Torquay.

Aurora Borealis was seen in February on the 5th at Stonyhurst; and in March on the 15th at Torquay, Brighton, Leicester, and Halifax.

Snow fell in January on the 1st at Cambridge; on the 3rd at Silloth and Carlisle; on the 8th at Bath, Whitechurch, Silloth, and Carlisle; on the 9th at Burslem and Bolton; on the 10th at Torquay, Bolton, and Halifax; on the 12th at Truro, Whitechurch, Barnet, Oxford, Royston, Cardington, Cambridge, Rugby, Lowestoft, Somerleyton, Nottingham, Bradford, and Carlisle; on the 13th at Truro, Eastbourne, Barnet, Oxford, Royston, Cardington, Cambridge, Rugby, Lowestoft, Somerleyton, Nottingham, Burslem, Bolton, Bradford, Leeds, and Carlisle; on the 14th at Guernsey, Torquay, Osborne, Whitechurch, Rugby, Somerleyton, Nottingham, Stonyhurst, Bradford, Leeds, and Silloth; on the 15th at Eastbourne and Royston; on the 17th at Barnet, Oxford, Royston, and Rugby; on the 18th at Torquay.

In February on the 4th at Bath, and Bolton; on the 5th at Burslem, Bolton, Halifax, Stonyhurst, and Carlisle; on the 16th at Nottingham, Bolton, Halifax, and Hull; on the 17th at Cambridge, Leicester, Nottingham, Burslem, Bolton, Halifax, Stonyhurst, and Bradford; on the 18th at Cambridge, Leicester, Burslem, Bolton, Halifax, Stonyhurst, Bradford, and Silloth; on the 19th at Leicester and Burslem; on the 20th at Rugby; on 21st at Carlisle; and on the 22nd at Marlborough, Cambridge, and Rugby.

In March on the 2nd at Halifax, and Bradford; on the 3rd at Halifax; on the 5th at Bolton, Halifax, and Stonyhurst; on the 6th at Marlborough, Whitechurch, Oxford, Royston, Cardington, Cambridge, and Rugby; on the 7th at Barnet; on the 9th at Oxford; on the 10th at Halifax; on the 17th at Oxford and Bolton; on the 18th at Torquay, Marlborough, Barnet, Somerleyton, Nottingham, Bolton, Halifax, Stonyhurst, and Bradford; on the 19th at Lancaster; on the 20th at Bolton; on the 21st at Barnet, Nottingham, Halifax, Bradford, and Lancaster; on the 22nd at Ventnor, Osborne, Salisbury, Marlborough, Blackheath, Barnet, Oxford, Royston, Cardington, Cambridge, Rugby, and Lancaster; and on the 23rd at Southbourne and Somerleyton.

Hail fell in January, on the 6th at Carlisle; on the 8th at Silloth; on the 9th at Truro and Silloth; on the 10th at Guernsey, Torquay, Bath, Oxford, Bolton, and Halifax; on the 11th at Torquay; on the 12th at Truro and Lowestoft; on the 13th at Truro; on the 14th at Truro; on the 27th at Torquay; and on the 31st at Truro, Torquay, Osborne, Salisbury, and Bath.

In February, on the 1st at Guernsey, Totnes, Torquay, and Bath; on the 2nd at Guernsey, Truro, Torquay, and Whitechurch; on the 4th at Totnes, Torquay, Bath, Marlborough, Oxford, Cambridge, and Burslem; on the 5th at Totnes, Torquay, Burslem, Bolton, and Stonyhurst; on the 7th at Torquay, Halifax, and Silloth; on the 9th at Bath and Bolton; on the 18th at Burslem and Bolton; and on the 22nd at Bath, Marlborough, Whitechurch, Royston, and Cambridge.

In March; on the 4th at Guernsey; on the 5th at Barnet and Stonyhurst; on the 9th at Barnet; on the 10th at Cambridge; on the 17th at Whitechurch; on the 18th at Guernsey, Totnes, Torquay, Burslem, and Stonyhurst; on the 19th at Rugby; on the 21st at Rugby and Stonyhurst; on the 23rd at Lowestoft; and on the 27th at Stonyhurst.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31st, 1885.
The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1885. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | |
|--|-------------------|------------------------------------|----------------------------------|----------------------------------|--------|------------------------------|---------|--------|-----------------|-------------------|-------|-------------------------|-------------------------------------|------------------------------|--------------------|---------------------|------------------------|-----|-----------------------|-------------------------|-------|-----|-----|------|------|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | In a cubic foot of Air. | Mean Degree of Humidity, 32° = 100. | Maximum in Rays of Sun. | Minimum on Grains. | Estimated Strength. | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | N. | E. | | | | S. | W. | | |
| GUERNSEY. | Jan. | 29-576 | 1-422 | 50-9 | 27-4 | 23-5 | 44-6 | 36-8 | 7-8 | 37-5 | 22-4 | 2-6 | 0-3 | 32-5 | 63-3 | 32-5 | 1-2 | 6 | 10 | 12 | 8 | 7-1 | 19 | 3-16 | |
| | Feb. | 29-455 | 1-036 | 54-0 | 33-6 | 20-4 | 46-9 | 41-6 | 8-0 | 43-2 | 27-3 | 3-1 | 0-4 | 32-1 | 58-1 | 32-1 | 1-2 | 1 | 12 | 15 | 6 | 7-0 | 15 | 1-85 | |
| | Mar. | 29-762 | 1-267 | 53-6 | 33-3 | 20-3 | 46-9 | 39-7 | 7-2 | 42-7 | 26-3 | 2-4 | 0-6 | 32-7 | 55-6 | 32-7 | 1-0 | 8 | 12 | 5 | 6 | 6-1 | 15 | 1-85 | |
| | TRURO (Cornwall). | Jan. | 29-732 | 1-552 | 54-0 | 24-0 | 30-0 | 47-3 | 38-0 | 9-3 | 43-0 | 27-5 | 2-6 | 0-5 | 32-8 | 54-0 | 32-8 | 2-6 | 9 | 10 | 6 | 6 | 6-0 | 16 | 3-18 |
| | | Feb. | 29-557 | 1-186 | 56-0 | 25-0 | 21-0 | 45-8 | 42-1 | 10-9 | 45-8 | 26-8 | 3-0 | 0-5 | 32-8 | 54-0 | 32-8 | 2-6 | 9 | 10 | 6 | 6 | 6-0 | 16 | 3-18 |
| | | Mar. | 29-973 | 1-210 | 57-0 | 27-0 | 20-0 | 47-3 | 38-0 | 9-3 | 43-0 | 27-5 | 2-6 | 0-5 | 32-8 | 54-0 | 32-8 | 2-6 | 9 | 10 | 6 | 6 | 6-0 | 16 | 3-18 |
| | PLYMOUTH (Devon). | Jan. | 29-819 | 1-540 | 52-0 | 28-5 | 23-5 | 44-9 | 38-3 | 8-6 | 41-2 | 28-5 | 2-7 | 0-5 | 32-5 | 53-5 | 32-5 | 1-6 | 5 | 9 | 11 | 6 | 7-0 | 18 | 2-6 |
| | | Feb. | 29-635 | 1-114 | 53-0 | 29-0 | 20-0 | 46-9 | 41-4 | 9-2 | 43-8 | 28-5 | 2-7 | 0-5 | 32-5 | 53-5 | 32-5 | 1-6 | 5 | 9 | 11 | 6 | 7-0 | 18 | 2-6 |
| | | Mar. | 29-672 | 1-204 | 53-0 | 30-0 | 20-0 | 46-9 | 38-4 | 12-5 | 43-8 | 28-5 | 2-7 | 0-5 | 32-5 | 53-5 | 32-5 | 1-6 | 5 | 9 | 11 | 6 | 7-0 | 18 | 2-6 |
| | TOTTENHAM. | Jan. | 29-825 | 1-565 | 57-8 | 24-6 | 23-2 | 45-1 | 32-4 | 13-7 | 38-8 | 33-6 | 2-4 | 0-4 | 32-8 | 55-5 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 |
| | | Feb. | 29-644 | 1-137 | 54-8 | 24-6 | 20-0 | 46-9 | 38-3 | 13-1 | 45-2 | 31-5 | 2-9 | 0-5 | 32-8 | 54-4 | 32-8 | 2-6 | 8 | 10 | 10 | 5 | 6-5 | 11 | 1-32 |
| | | Mar. | 29-620 | 1-223 | 60-0 | 24-2 | 23-5 | 45-1 | 32-4 | 13-7 | 38-8 | 33-6 | 2-4 | 0-4 | 32-8 | 55-5 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 |
| TORQUAY (Babcock, Devon). | Jan. | 29-540 | 1-604 | 51-3 | 29-2 | 22-1 | 43-9 | 37-0 | 6-9 | 40-5 | 37-1 | 2-0 | 0-6 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Feb. | 29-377 | 1-158 | 55-8 | 31-1 | 25-3 | 48-8 | 40-7 | 9-1 | 45-0 | 41-7 | 2-8 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Mar. | 29-746 | 1-204 | 58-8 | 29-3 | 22-9 | 48-8 | 37-6 | 10-4 | 45-0 | 41-7 | 2-8 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption). | Jan. | 29-782 | 1-374 | 49-8 | 29-5 | 20-3 | 43-5 | 36-8 | 6-7 | 39-7 | 36-0 | 2-4 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Feb. | 29-612 | 1-057 | 53-3 | 31-3 | 22-9 | 48-8 | 41-8 | 7-5 | 44-8 | 41-3 | 2-0 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Mar. | 29-946 | 1-289 | 54-9 | 32-5 | 22-9 | 48-8 | 38-1 | 10-3 | 42-7 | 39-3 | 2-1 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| EASTBOURNE. | Oct. | 30-009 | 1-216 | 61-9 | 32-5 | 23-4 | 47-9 | 44-3 | 13-6 | 44-3 | 39-4 | 2-4 | 0-7 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Nov. | 29-102 | 0-834 | 59-1 | 27-6 | 23-5 | 46-7 | 37-6 | 9-1 | 42-7 | 39-3 | 2-1 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Dec. | 29-869 | 0-880 | 54-4 | 27-6 | 23-5 | 46-7 | 37-6 | 9-1 | 42-7 | 39-3 | 2-1 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| OSBORNE (Isle of Wight). | Jan. | 29-827 | 1-425 | 49-3 | 27-6 | 21-7 | 38-0 | 34-5 | 3-5 | 37-5 | 33-0 | 2-1 | 0-6 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Feb. | 29-576 | 1-335 | 53-6 | 27-0 | 20-3 | 45-1 | 32-4 | 13-7 | 38-8 | 33-6 | 2-4 | 0-4 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Mar. | 29-691 | 1-324 | 53-9 | 27-1 | 23-8 | 42-2 | 33-6 | 8-6 | 38-0 | 33-0 | 2-5 | 0-2 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| BRIGHTON. | Jan. | 29-580 | 1-010 | 57-8 | 27-9 | 23-8 | 42-2 | 33-6 | 8-6 | 38-0 | 33-0 | 2-5 | 0-2 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Feb. | 29-577 | 1-256 | 57-7 | 28-8 | 23-9 | 40-1 | 33-9 | 6-2 | 37-1 | 34-0 | 2-5 | 0-5 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Mar. | 29-691 | 1-403 | 48-0 | 24-8 | 23-2 | 40-1 | 33-9 | 6-2 | 37-1 | 34-0 | 2-5 | 0-5 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| SOUTHBOURNE (near) Bournemouth. | Jan. | 29-331 | 1-063 | 54-0 | 29-0 | 22-2 | 46-9 | 39-2 | 8-4 | 43-5 | 40-9 | 2-6 | 0-3 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Feb. | 29-531 | 1-338 | 52-8 | 30-6 | 22-2 | 46-9 | 39-2 | 8-4 | 43-5 | 40-9 | 2-6 | 0-3 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Mar. | 29-851 | 1-388 | 52-8 | 30-6 | 22-2 | 46-9 | 39-2 | 8-4 | 43-5 | 40-9 | 2-6 | 0-3 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| T. A. COMPTON, Esq., M.D., B.A., F.R.S. (Wilton House). | Jan. | 29-808 | 1-388 | 49-3 | 26-0 | 20-3 | 42-4 | 34-7 | 7-7 | 38-7 | 34-5 | 2-0 | 0-5 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Feb. | 29-699 | 1-014 | 55-0 | 26-1 | 20-3 | 42-4 | 34-7 | 7-7 | 38-7 | 34-5 | 2-0 | 0-5 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Mar. | 29-958 | 1-332 | 54-9 | 28-7 | 23-2 | 47-9 | 41-0 | 12-7 | 41-0 | 35-1 | 2-4 | 0-6 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| SALISBURY (Wilton House). | Jan. | 29-655 | 1-356 | 52-0 | 29-1 | 21-0 | 41-7 | 39-6 | 12-1 | 39-6 | 35-1 | 2-4 | 0-6 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Feb. | 29-503 | 0-852 | 55-0 | 18-0 | 22-9 | 47-9 | 39-6 | 12-1 | 39-6 | 35-1 | 2-4 | 0-6 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |
| | Mar. | 29-876 | 1-278 | 59-0 | 22-0 | 23-0 | 47-9 | 39-6 | 12-1 | 39-6 | 35-1 | 2-4 | 0-6 | 32-8 | 54-4 | 32-8 | 2-6 | 11 | 7 | 4 | 9 | 6-5 | 11 | 1-32 | |

| Year 1885. | Months. | Pressure of Atmosphere in Month. | Range. | Highest. | Lowest. | Range. | Mean | | | Mean Temperature. | | Vapour. | Mean Degree of Humidity, Sat. = 100. | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | Rain. | | | | | | | | |
|------------|-------------|----------------------------------|--------|----------|---------|--------|-----------------|----------------|--------------|-------------------|------------|---------|--------------------------------------|------------------------------|----------------|-------------------------|-------|-----------------------|-------------------------|-------------------|-------|----------------------|-------------------------------------|-------------------------|--------------------|---------------------|------------------------|----|----|
| | | | | | | | Of all Highest. | Of all Lowest. | Daily Range. | Air. | Dew Point. | | | | Elastic Force. | In a Cubic foot of Air. | Mean. | | | | | Short of Saturation. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grains. | Estimated Strength. | Relative Proportion of | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | N. | S. | W. |
| 43 | Jan. 29-822 | 1-460 | 55-0 | 30-0 | 25-0 | 46-0 | 37-5 | 8-5 | 41-7 | 37-7 | 22-1 | 3-5 | 55-1 | — | 4 | 7 | 13 | 2 | 14 | 11 | 7 | 5-7 | 18 | 3-16 | | | | | |
| | Feb. 29-612 | 1-180 | 60-0 | 31-7 | 28-0 | 31-7 | 41-2 | 10-5 | 42-8 | 32-5 | 22-5 | 3-2 | 53-8 | 42-8 | 1 | 2 | 14 | 11 | 7 | 7 | 5-0 | 21 | 3-94 | 1-13 | | | | | |
| | Mar. 29-908 | 1-180 | 54-0 | 28-0 | 26-0 | 28-0 | 37-1 | 13-1 | 43-3 | 34-9 | 22-7 | 2-6 | 58-1 | 37-1 | 8 | 11 | 6 | 7 | 10 | 12 | 2-8 | 13 | 1-92 | 1-13 | | | | | |
| 56 | Jan. 29-800 | 1-421 | 49-8 | 24-2 | 20-6 | 29-2 | 39-9 | 6-0 | 39-4 | 34-8 | 20-2 | 2-3 | 54 | 34-8 | 11 | 8 | 7 | 11 | 6 | 10 | 8-2 | 19 | 4-67 | 1-40 | | | | | |
| | Feb. 29-033 | 1-066 | 53-3 | 29-4 | 26-9 | 47-2 | 37-7 | 9-5 | 43-4 | 38-7 | 22-5 | 2-7 | 56-8 | 37-7 | 2 | 2 | 14 | 10 | 9 | 10 | 7-6 | 21 | 4-80 | 1-40 | | | | | |
| | Mar. 29-933 | 1-223 | 53-9 | 29-2 | 25-1 | 46-9 | 37-1 | 13-3 | 39-1 | 34-5 | 20-0 | 2-8 | 54 | 34-1 | 22-1 | 2-6 | 9 | 9 | 4 | 9 | 5-9 | 8 | 1-38 | 1-13 | | | | | |
| 58 | Jan. 29-981 | 1-393 | 59-1 | 34-0 | 28-5 | 39-7 | 39-6 | 7-1 | 39-1 | 33-7 | 19-4 | 2-3 | 60 | 34-2 | 29-6 | 1-0 | 4 | 9 | 11 | 7 | 8-1 | 29 | 3-61 | 1-30 | | | | | |
| | Feb. 29-614 | 1-066 | 56-0 | 32-9 | 27-8 | 47-9 | 37-9 | 9-0 | 43-5 | 39-6 | 24-3 | 2-9 | 63 | 37-9 | 27-5 | 1-0 | 2 | 13 | 11 | 7 | 7-0 | 19 | 4-70 | 1-40 | | | | | |
| | Mar. 29-562 | 1-238 | 58-1 | 34-2 | 28-9 | 47-1 | 34-1 | 15-0 | 39-0 | 33-8 | 19-5 | 2-3 | 65 | 34-2 | 25-1 | 0-7 | 4 | 11 | 6 | 6 | 6-2 | 11 | 1-34 | 1-13 | | | | | |
| 150 | Jan. 29-725 | 1-316 | 52-0 | 28-5 | 29-5 | 40-3 | 31-5 | 9-0 | 39-0 | 32-7 | 18-6 | 2-1 | 61 | 33-5 | 28-6 | 0-9 | 4 | 14 | 9 | 4 | 7-5 | 12 | 1-15 | 1-13 | | | | | |
| | Feb. 29-510 | 1-066 | 53-0 | 29-0 | 26-0 | 40-0 | 31-0 | 11-0 | 40-5 | 34-0 | 23-3 | 2-0 | 65 | 31-0 | 25-3 | 0-5 | 8 | 13 | 5 | 5 | 6-8 | 17 | 2-18 | 1-40 | | | | | |
| | Mar. 29-703 | 1-268 | 53-0 | 28-0 | 23-0 | 48-0 | 32-6 | 15-4 | 39-5 | 34-4 | 20-0 | 2-4 | 68 | 32-6 | 20-7 | 0-5 | 8 | 11 | 5 | 7 | 6-6 | 17 | 1-46 | 1-40 | | | | | |
| 159 | Jan. 29-713 | 1-428 | 52-8 | 22-3 | 29-5 | 40-2 | 32-3 | 7-9 | 36-6 | 33-4 | 19-1 | 2-3 | 63 | 33-4 | 20-7 | — | — | — | — | — | 2-0 | 19 | 1-32 | 1-40 | | | | | |
| | Feb. 29-543 | 1-118 | 55-8 | 30-0 | 26-0 | 31-4 | 39-9 | 10-5 | 40-8 | 34-1 | 24-2 | 2-7 | 63 | 40-8 | 23-3 | 0-5 | 8 | 13 | 4 | 4 | 7-3 | 19 | 2-34 | 1-40 | | | | | |
| | Mar. 29-700 | 1-242 | 60-2 | 29-2 | 25-0 | 43-0 | 32-5 | 16-5 | 39-5 | 34-5 | 21-8 | 2-5 | 69 | 32-5 | 20-7 | — | — | — | — | 1-8 | 6-3 | 8 | 1-50 | 1-40 | | | | | |
| 160 | Jan. 29-729 | 1-420 | 53-8 | 23-5 | 22-3 | 32-3 | 32-3 | 36-5 | 40-1 | 36-7 | 19-0 | 2-2 | 68 | 36-7 | 20-7 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-549 | 1-093 | 58-7 | 22-2 | 26-5 | 36-5 | 40-1 | 10-7 | 38-9 | 35-6 | 21-8 | 2-3 | 68 | 38-9 | 23-3 | 0-5 | 8 | 11 | 8 | 6 | 7-3 | 19 | 2-34 | 1-40 | | | | | |
| | Mar. 29-727 | 1-475 | 53-3 | 22-8 | 20-5 | 32-3 | 32-3 | 38-5 | 41-0 | 32-2 | 19-0 | 2-2 | 68 | 41-0 | 23-3 | — | — | — | — | 1-8 | 6-3 | 8 | 1-50 | 1-40 | | | | | |
| 123 | Jan. 29-687 | 1-039 | 57-9 | 19-1 | 18-8 | 40-9 | 33-5 | 39-9 | 39-9 | 33-5 | 16-3 | 2-2 | 64 | 39-9 | 27-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-581 | 1-069 | 57-8 | 27-6 | 20-2 | 40-9 | 38-7 | 11-2 | 42-7 | 39-6 | 21-4 | 2-8 | 64 | 42-7 | 25-8 | 0-5 | 8 | 11 | 9 | 8 | 7-1 | 17 | 2-32 | 1-40 | | | | | |
| | Mar. 29-913 | 1-325 | 62-6 | 28-5 | 25-1 | 49-4 | 33-0 | 19-4 | 40-6 | 33-6 | 19-3 | 2-2 | 70 | 33-6 | 23-0 | — | — | — | — | 1-8 | 6-3 | 8 | 1-50 | 1-40 | | | | | |
| 212 | Jan. 29-686 | 1-202 | 63-3 | 17-8 | 13-5 | 39-9 | 29-9 | 10-3 | 35-1 | 33-6 | 16-3 | 2-2 | 62 | 35-1 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-614 | 1-039 | 57-9 | 19-1 | 18-8 | 40-9 | 33-5 | 14-1 | 42-7 | 39-6 | 21-4 | 2-8 | 64 | 42-7 | 25-8 | 0-5 | 8 | 11 | 9 | 8 | 7-1 | 17 | 2-32 | 1-40 | | | | | |
| | Mar. 29-866 | 1-322 | 61-2 | 19-5 | 15-2 | 43-7 | 29-9 | 19-3 | 39-1 | 33-1 | 19-1 | 2-2 | 66 | 39-1 | 25-8 | — | — | — | — | 1-8 | 6-3 | 8 | 1-50 | 1-40 | | | | | |
| 210 | Jan. 29-687 | 1-464 | 62-0 | 20-2 | 16-5 | 41-2 | 33-5 | 7-7 | 37-3 | 34-2 | 19-7 | 2-3 | 64 | 37-3 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-647 | 1-070 | 58-7 | 34-2 | 31-1 | 40-0 | 39-5 | 10-5 | 44-3 | 40-2 | 21-9 | 2-9 | 64 | 44-3 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Mar. 29-812 | 1-268 | 58-7 | 27-6 | 24-4 | 44-8 | 34-4 | 14-8 | 41-4 | 35-1 | 21-9 | 2-3 | 66 | 41-4 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| 259 | Jan. 29-645 | 1-473 | 63-7 | 23-2 | 18-5 | 45-5 | 37-2 | 11-3 | 42-8 | 37-7 | 22-7 | 2-6 | 65 | 42-8 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-574 | 1-079 | 57-8 | 22-2 | 18-1 | 40-9 | 39-5 | 10-5 | 44-3 | 40-2 | 21-9 | 2-9 | 64 | 44-3 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Mar. 29-891 | 1-267 | 59-1 | 29-5 | 26-6 | 49-3 | 31-9 | 17-4 | 39-5 | 34-8 | 20-2 | 2-3 | 65 | 34-8 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| 105 | Jan. 29-781 | 1-520 | 51-0 | 29-0 | 24-0 | 40-6 | 31-4 | 8-9 | 33-5 | 33-8 | 16-5 | 2-2 | 62 | 33-8 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-574 | 1-063 | 49-4 | 29-1 | 25-8 | 40-0 | 37-0 | 13-0 | 43-0 | 39-3 | 24-0 | 2-8 | 64 | 43-0 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Mar. 29-953 | 1-410 | 61-2 | 23-0 | 19-4 | 43-4 | 31-5 | 18-6 | 40-4 | 34-5 | 20-0 | 2-5 | 66 | 40-4 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| 40 | Jan. 29-887 | 1-284 | 55-0 | 29-0 | 25-0 | 40-8 | 31-4 | 9-4 | 39-3 | 34-2 | 20-0 | 2-2 | 63 | 34-2 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-615 | 1-120 | 58-0 | 30-0 | 28-9 | 49-0 | 33-5 | 13-5 | 43-9 | 40-2 | 25-0 | 2-9 | 63 | 43-9 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Mar. 29-993 | 1-256 | 60-0 | 23-0 | 20-3 | 51-0 | 19-3 | 19-3 | 39-8 | 34-6 | 20-1 | 2-3 | 66 | 39-8 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| 286 | Jan. 29-510 | 1-082 | 52-0 | 10-0 | 33-0 | 39-9 | 30-8 | 9-7 | 35-4 | 33-9 | 18-6 | 2-2 | 64 | 35-4 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-510 | 1-081 | 47-0 | 29-0 | 24-0 | 34-9 | 14-1 | 41-9 | 39-7 | 24-4 | 20-4 | 2-4 | 64 | 39-7 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Mar. 29-736 | 1-439 | 53-2 | 22-2 | 19-4 | 45-3 | 31-2 | 17-1 | 39-4 | 35-4 | 20-8 | 2-4 | 67 | 35-4 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| 89 | Jan. 29-800 | 1-683 | 56-7 | 28-0 | 22-7 | 40-4 | 34-6 | 6-4 | 37-9 | 34-6 | 20-4 | 2-2 | 68 | 34-6 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Feb. 29-600 | 1-104 | 52-0 | 27-0 | 24-6 | 37-6 | 24-6 | 7-9 | 34-6 | 32-7 | 19-4 | 2-8 | 68 | 34-6 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |
| | Mar. 29-919 | 1-305 | 52-6 | 27-0 | 24-6 | 45-4 | 34-1 | 12-3 | 40-1 | 34-5 | 20-2 | 2-3 | 61 | 34-5 | 25-8 | — | — | — | — | 2-0 | 7-9 | 15 | 1-42 | 1-40 | | | | | |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING JUNE 30, 1885.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING JUNE 30TH, 1885.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in April was cold till after the middle, and warm from the 17th to the end of the month, the barometer readings were generally low throughout the month, the average pressure being reached or exceeded on nine days only. The direction of the wind during the first half of the month was E. and N.W. and it was chiefly S.W. from the 17th. The rainfall was about its average; snow fell on four different days.

The weather in May was cold throughout the month. The atmospheric pressure was variable, for a few days together above its average, and then a few days below. There was an excess of N.W. winds: snow fell on six different days within the first ten days of the month.

The weather in June was dry, the temperature very variable; it was warm till the 8th; then cold for three days, and warm on the 12th, 13th, and 14th, after which it was mostly cold. The atmospheric pressure was variable throughout the month; the East wind was prevalent. During the last week or ten days the weather was favourable for haymaking; vegetation was backward but generally luxuriant.

About London the mean daily temperature of the air was for the first day in April above its average by $3^{\circ} \cdot 3$; it was below from the 2nd to the 16th, the average daily deficiency being $3^{\circ} \cdot 6$; from the 17th to the end of the month the temperature was much higher, being $5^{\circ} \cdot 1$ above the daily average; it was below from May 1st to the 26th, the average deficiency being $4^{\circ} \cdot 8$. From May 27th to June 8th the average daily excess of mean temperature was $4^{\circ} \cdot 3$; for three days there was a mean deficiency of $5^{\circ} \cdot 5$ daily, then three days of a mean excess of $3^{\circ} \cdot 4$ daily, and from June 15th to the end of the quarter the deficiency averaged $3^{\circ} \cdot 0$ daily.

The mean temperature of the air for April was $47^{\circ} \cdot 7$, being $1^{\circ} \cdot 6$ and $0^{\circ} \cdot 7$ above the averages of 114 years and 44 years respectively; it was $2^{\circ} \cdot 6$, and $0^{\circ} \cdot 9$ higher than in 1884 and 1883, respectively; and $0^{\circ} \cdot 2$ lower than in 1882.

The mean temperature of the air for May was $49^{\circ} \cdot 9$, being $2^{\circ} \cdot 6$ and $2^{\circ} \cdot 8$ below the averages of 114 years and 44 years respectively; it was $4^{\circ} \cdot 4$, $3^{\circ} \cdot 2$, and $4^{\circ} \cdot 6$ lower than in 1884, 1883, and 1882 respectively. Back to 1879 when it was $48^{\circ} \cdot 4$, there has been no instance of so low a temperature as $49^{\circ} \cdot 9$ in May.

The mean temperature of the air for June was $59^{\circ} \cdot 5$, being $1^{\circ} \cdot 3$ and $0^{\circ} \cdot 6$ above the averages of 114 years and 44 years respectively; it was $1^{\circ} \cdot 5$, $0^{\circ} \cdot 5$, and $3^{\circ} \cdot 0$, higher than in 1884, 1883, and 1882 respectively.

The mean temperature of the quarter was $52^{\circ} \cdot 4$, being $0^{\circ} \cdot 1$ above the averages of 114 years and $0^{\circ} \cdot 5$ below the average of 44 years.

The mean high day temperature of the air in April was $57^{\circ} \cdot 7$, being $0^{\circ} \cdot 2$ above the average of 44 years; in May it was $60^{\circ} \cdot 3$, being $4^{\circ} \cdot 0$ below the average of 44 years; and in June it was $70^{\circ} \cdot 9$, being $0^{\circ} \cdot 1$ above the average of 44 years.

The mean low night temperature of the air in April was $38^{\circ} \cdot 9$, being $0^{\circ} \cdot 2$ below the average of 44 years; in May it was $41^{\circ} \cdot 3$, being $2^{\circ} \cdot 4$ below the average of 44 years; and in June it was $49^{\circ} \cdot 2$, being $0^{\circ} \cdot 7$ below the average of 44 years.

The mean daily range of temperature in April was $18^{\circ} \cdot 8$, being $0^{\circ} \cdot 4$ above the average; in May it was $19^{\circ} \cdot 0$, being $1^{\circ} \cdot 5$ below the average; and in June it was $21^{\circ} \cdot 7$, being $0^{\circ} \cdot 7$ above the average.

The mean temperature of the air for April was $7^{\circ} \cdot 4$ higher than in March; in May it was $2^{\circ} \cdot 2$ higher than in April; and in June it was $9^{\circ} \cdot 6$ higher than in May.

(From the preceding 44 years' observations the increase of temperature from March to April is $5^{\circ} \cdot 3$, the increase from April to May is $5^{\circ} \cdot 7$, and the increase from May to June is $6^{\circ} \cdot 2$.)

From March to April there was an increase of temperature at stations south of 51° of $3^{\circ} \cdot 5$, between 51° and 52° of $6^{\circ} \cdot 1$, between 52° and 53° of $5^{\circ} \cdot 8$, between 53° and 54° of $5^{\circ} \cdot 3$, and north of 54° of $5^{\circ} \cdot 1$.

From April to May there was an increase of temperature at stations south of 51° of $2^{\circ} \cdot 9$, between 51° and 52° of $2^{\circ} \cdot 3$, between 52° and 53° of $1^{\circ} \cdot 7$, between 53° and 54° of $1^{\circ} \cdot 9$, and north of 54° of $1^{\circ} \cdot 8$.

From May to June there was an increase of temperature at stations south of 51° of $8^{\circ} \cdot 1$, between 51° and 52° of $9^{\circ} \cdot 2$, between 52° and 53° of $9^{\circ} \cdot 3$, between 53° and 54° of $7^{\circ} \cdot 9$, and north of 54° of $8^{\circ} \cdot 1$.

The mean reading of the barometer for the month of April at the height of 159 ft. above the level of the sea was $29^{\circ} \cdot 616$ ins., being $0^{\circ} \cdot 133$ in. below the average of 44 years, and $0^{\circ} \cdot 029$ in. and $0^{\circ} \cdot 210$ in. lower than in 1884 and 1883 respectively, and $0^{\circ} \cdot 014$ in. higher than in 1882.

The mean reading of the barometer for the month of May was $29^{\circ} \cdot 628$ ins., being $0^{\circ} \cdot 164$ in. below the average of 44 years, and $0^{\circ} \cdot 196$ in., $0^{\circ} \cdot 156$ in., and $0^{\circ} \cdot 247$ in. lower than in 1884, 1883, and 1882 respectively. Back to 1841 there has been only one instance, viz., that in 1878 when it was $29^{\circ} \cdot 618$ ins., of so low a reading as $29^{\circ} \cdot 628$ ins.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Orone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|-----|-----|-----------------------|-----------------------|----------------------------------|-------------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | 29.669 | 54.0 | 27.4 | 26.6 | 47.0 | 39.4 | 21.4 | 7.7 | 42.7 | 38.8 | 2.57 | 0.4 | 88 | 544 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 7.0 | 63 | 9.92 | |
| Truro | 29.660 | 57.0 | 24.0 | 23.0 | 50.0 | 38.0 | 30.2 | 11.6 | 48.4 | 39.8 | 2.41 | 0.5 | 85 | 548 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 7.4 | 50 | 9.80 | |
| Plymouth | 29.673 | 57.0 | 23.5 | 23.5 | 48.4 | 38.9 | 25.5 | 10.1 | 43.3 | 39.5 | 2.44 | 0.5 | 86 | 550 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 6.8 | 48 | 7.14 | |
| Totnes | 29.720 | 59.0 | 24.2 | 23.8 | 49.0 | 35.5 | 33.1 | 13.8 | 42.0 | 38.2 | 2.32 | 0.5 | 87 | 551 | 81.0 | 32.1 | 1.7 | 6 | 7 | 8 | 9 | 8 | 6.7 | 56 | 11.28 | |
| Torquay | 29.659 | 58.8 | 29.2 | 29.6 | 47.2 | 38.4 | 25.5 | 8.8 | 42.0 | 38.5 | 2.33 | 0.5 | 85 | 547 | 81.0 | 32.1 | 1.7 | 6 | 7 | 8 | 9 | 5.0 | 6.7 | 47 | 7.24 | |
| Ventnor | 29.638 | 54.0 | 23.5 | 23.5 | 47.1 | 38.9 | 21.7 | 8.2 | 42.4 | 37.9 | 2.29 | 0.6 | 86 | 550 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 7.2 | 45 | 6.81 | |
| Osborne | 29.632 | 59.7 | 27.1 | 23.8 | 46.8 | 35.6 | 28.2 | 11.2 | 40.9 | 38.4 | 2.34 | 0.8 | 93 | 90 | 550 | 75.6 | 34.5 | 0.2 | 10 | 7 | 12 | 5 | 6.6 | 46 | 6.99 | |
| Southbourne | 29.673 | 57.0 | 23.5 | 23.5 | 48.4 | 38.9 | 25.5 | 10.1 | 43.3 | 39.5 | 2.41 | 0.5 | 86 | 550 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 6.8 | 48 | 7.14 | |
| Brighton | 29.702 | 54.0 | 24.0 | 23.5 | 47.1 | 38.9 | 21.7 | 8.2 | 42.4 | 37.9 | 2.12 | 0.5 | 85 | 545 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 7.1 | 42 | 7.24 | |
| Salisbury | 29.647 | 57.0 | 23.5 | 23.5 | 48.4 | 38.9 | 25.5 | 10.1 | 43.3 | 39.5 | 2.41 | 0.5 | 85 | 549 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 6.7 | 58 | 9.03 | |
| Barnstaple | 29.600 | 55.5 | 22.4 | 23.2 | 43.2 | 34.6 | 28.9 | 5.9 | 39.9 | 36.0 | 2.12 | 0.4 | 84 | 543 | 75.2 | 34.0 | 0.6 | 10 | 8 | 10 | 8 | 7.0 | 4.8 | 10 | 6.65 | |
| Bath | 29.650 | 58.1 | 23.2 | 23.4 | 44.9 | 34.2 | 30.7 | 10.7 | 39.2 | 35.7 | 2.11 | 0.5 | 83 | 545 | 76.1 | 32.9 | 0.9 | 4 | 7 | 10 | 8 | 7.1 | 50 | 9.10 | | |
| Marlborough | 29.676 | 57.0 | 23.5 | 23.5 | 48.4 | 38.9 | 25.5 | 10.1 | 43.3 | 39.5 | 2.42 | 0.6 | 83 | 548 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 7.0 | 44 | 6.75 | |
| Whitechurch | 29.676 | 57.0 | 23.5 | 23.5 | 48.4 | 38.9 | 25.5 | 10.1 | 43.3 | 39.5 | 2.42 | 0.6 | 83 | 548 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 5 | 3.2 | 7.0 | 44 | 6.75 | |
| Blackheath | 29.673 | 58.0 | 22.3 | 23.5 | 46.0 | 34.0 | 31.9 | 12.0 | 39.4 | 35.9 | 2.13 | 0.5 | 87 | 552 | 75.6 | 34.5 | 0.2 | 10 | 8 | 10 | 8 | 7.0 | 4.8 | 10 | 6.65 | |
| Royal Observatory | 29.683 | 59.0 | 22.3 | 23.5 | 46.0 | 34.0 | 31.9 | 12.0 | 39.4 | 35.9 | 2.11 | 0.5 | 84 | 551 | 72.9 | 33.0 | 0.4 | 10 | 7 | 12 | 5 | 2.9 | 7.2 | 42 | 5.26 | |
| Camden Square | 29.690 | 59.0 | 22.3 | 23.5 | 46.0 | 34.0 | 31.9 | 12.0 | 39.4 | 35.9 | 2.14 | 0.5 | 82 | 552 | 62.1 | 30.0 | 0 | 6 | 9 | 10 | 5 | 6.2 | 41 | 5.94 | | |
| Barnet | 29.714 | 61.9 | 19.1 | 14.2 | 16.2 | 31.7 | 38.7 | 14.6 | 39.0 | 35.8 | 2.09 | 0.4 | 84 | 552 | 76.1 | 32.9 | 0.9 | 4 | 7 | 10 | 10 | 7.0 | 34 | 6.16 | | |
| Oxford | 29.680 | 58.7 | 24.2 | 23.7 | 46.8 | 35.8 | 30.3 | 11.0 | 41.0 | 37.8 | 2.20 | 0.6 | 85 | 549 | 76.3 | 33.7 | 0.1 | 7 | 5 | 10 | 6 | 1.7 | 6.8 | 39 | 6.01 | |
| Royston | 29.710 | 59.1 | 22.2 | 23.0 | 45.2 | 33.7 | 29.2 | 12.5 | 39.9 | 37.3 | 2.07 | 0.4 | 86 | 550 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 7 | 6.6 | 37 | 4.49 | | |
| Cardington | 29.677 | 61.2 | 20.0 | 14.2 | 16.9 | 30.4 | 36.8 | 13.2 | 39.7 | 35.2 | 2.12 | 0.5 | 84 | 552 | 59.7 | 30.1 | 1.4 | 6 | 9 | 10 | 10 | 6.5 | 32 | 4.24 | | |
| Cambridge | 29.643 | 60.0 | 20.0 | 14.0 | 16.0 | 30.0 | 37.0 | 14.0 | 39.0 | 36.4 | 2.17 | 0.5 | 89 | 554 | 77.3 | 33.8 | 1.3 | 5 | 5 | 11 | 9 | 6.8 | 42 | 4.03 | | |
| Rugby | 29.620 | 57.0 | 19.0 | 13.5 | 16.5 | 30.1 | 34.0 | 13.5 | 38.7 | 34.7 | 2.16 | 0.5 | 91 | 549 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 6 | 7.5 | 48 | 4.90 | | |
| Lowestoft | 29.665 | 59.6 | 20.8 | 22.8 | 44.0 | 30.5 | 24.8 | 8.6 | 39.6 | 36.4 | 2.16 | 0.5 | 88 | 556 | 54.9 | 30.1 | 2.0 | 6 | 5 | 9 | 10 | 6.5 | 40 | 4.36 | | |
| Somerleyton | 29.623 | 57.6 | 23.4 | 23.2 | 45.3 | 34.2 | 28.1 | 10.0 | 39.3 | 36.2 | 2.18 | 0.5 | 90 | 553 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 9 | 6.1 | 5.9 | 42 | 5.10 | |
| Wolverhampton | 29.683 | 60.0 | 21.2 | 23.5 | 45.7 | 32.1 | 27.7 | 12.7 | 39.3 | 36.7 | 2.10 | 0.4 | 83 | 557 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 10 | 6.4 | 40 | 5.51 | | |
| Letchworth | 29.639 | 58.5 | 22.0 | 23.6 | 45.6 | 34.5 | 31.2 | 11.1 | 39.9 | 36.2 | 2.14 | 0.5 | 88 | 549 | 66.2 | 27.7 | 0.8 | 5 | 14 | 8 | 4 | 8.4 | 40 | 5.31 | | |
| Nottingham | 29.627 | 58.0 | 23.6 | 23.2 | 44.5 | 34.5 | 31.7 | 10.4 | 10.9 | 35.9 | 2.14 | 0.5 | 87 | 551 | 54.1 | 33.9 | 0.3 | 6 | 13 | 8 | 0.4 | 6.5 | 35 | 5.32 | | |
| Burslem | 29.631 | 56.1 | 24.1 | 23.0 | 43.8 | 33.2 | 27.1 | 9.9 | 38.9 | 35.1 | 2.04 | 0.5 | 89 | 544 | 50.4 | 31.1 | 1.1 | 5 | 7 | 12 | 6 | 6.9 | 55 | 5.23 | | |
| Holkham | 29.640 | 56.8 | 21.1 | 23.7 | 44.8 | 31.8 | 33.0 | 13.5 | 38.6 | 34.1 | 1.99 | 0.3 | 85 | 555 | 66.8 | 25.9 | 1.3 | 6 | 4 | 16 | 5 | 6.6 | 34 | 5.77 | | |
| Llandudno | 29.581 | 57.2 | 27.0 | 23.0 | 46.1 | 37.1 | 27.1 | 8.8 | 41.8 | 36.8 | 2.19 | 0.6 | 83 | 549 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 10 | 6.9 | 47 | 7.45 | | |
| Liverpool | 29.580 | 58.7 | 26.6 | 23.2 | 43.4 | 36.7 | 27.4 | 8.4 | 39.9 | 35.1 | 2.06 | 0.4 | 84 | 549 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 10 | 6.7 | 51 | 5.07 | | |
| Bolton | 29.630 | 58.8 | 21.7 | 23.4 | 44.3 | 32.4 | 28.6 | 10.7 | 37.8 | 34.1 | 1.97 | 0.3 | 87 | 543 | 47.6 | 31.7 | 0.8 | 6 | 7 | 10 | 7 | 6.7 | 51 | 5.07 | | |
| Halifax | 29.650 | 58.0 | 20.7 | 23.7 | 44.8 | 32.8 | 27.6 | 10.3 | 37.2 | 33.5 | 1.93 | 0.3 | 88 | 540 | 61.6 | 29.0 | 1.0 | 5 | 8 | 9 | 9 | 7.8 | 38 | 11.24 | | |
| Hull | 29.639 | 56.0 | 23.0 | 23.3 | 46.4 | 32.7 | 30.0 | 11.9 | 39.1 | 34.5 | 2.00 | 0.4 | 85 | 554 | 55.4 | 31.4 | 1.3 | 3 | 6 | 10 | 11 | 6.7 | 51 | 6.67 | | |
| Stonyhurst | 29.627 | 56.9 | 19.1 | 37.8 | 44.8 | 34.1 | 32.9 | 12.7 | 38.4 | 33.4 | 1.99 | 0.3 | 84 | 556 | 73.8 | 28.9 | 0 | 5 | 8 | 10 | 10 | 8.1 | 55 | 10.39 | | |
| Bradford | 29.615 | 58.0 | 24.0 | 23.4 | 44.6 | 34.5 | 28.0 | 10.1 | 39.1 | 34.7 | 2.01 | 0.3 | 85 | 547 | 50.8 | 31.1 | 0.7 | 7 | 7 | 7 | 9 | 8.2 | 68 | 6.05 | | |
| Leeds | 29.620 | 59.0 | 23.0 | 23.5 | 44.1 | 35.9 | 29.7 | 9.2 | 40.1 | 35.6 | 2.10 | 0.4 | 83 | 550 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 10 | 7.5 | 32 | 4.74 | | |
| Lancaster | 29.604 | 56.0 | 23.5 | 23.2 | 44.5 | 34.4 | 28.8 | 10.6 | 39.0 | 35.6 | 2.12 | 0.5 | 83 | 551 | 77.7 | 33.8 | 1.1 | 5 | 8 | 12 | 10 | 7.3 | 32 | 4.74 | | |
| Silloth | 29.572 | 53.2 | 21.8 | 21.4 | 44.8 | 34.4 | 28.1 | 10.4 | 39.3 | 35.0 | 2.08 | 0.4 | 87 | 553 | 77.7 | 29.3 | 1.7 | 4 | 10 | 7 | 9 | 9.4 | 64 | 6.00 | | |
| Carlisle | 29.576 | 57.8 | 20.0 | 37.8 | 45.6 | 32.4 | 34.2 | 13.2 | 38.9 | 34.4 | 1.99 | 0.3 | 84 | 551 | 61.0 | 27.9 | 0.9 | 2 | 5 | 12 | 2.6 | 8.3 | 59 | 5.68 | | |

| 1885. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|------|----------------|--|--------------|--|------------|--|----------------------|--|-----------------------------|--------|---|------|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | |
| | | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | | | | |
| | | | | | | | | | | | | | |
| April - | 47.7 | +1.6 | +0.7 | 44.3 | +0.4 | 40.5 | 0.0 | 18.8 | +0.4 | in. .252 | -0.001 | grs. 2.9 | 0.0 |
| May - | 49.9 | -2.6 | -2.8 | 46.2 | -2.7 | 42.2 | -2.9 | 19.0 | -1.5 | .269 | -0.030 | 3.0 | -0.4 |
| June - | 49.5 | +1.3 | +0.6 | 44.6 | +0.1 | 50.4 | -0.3 | 21.7 | +0.7 | .326 | -0.004 | 4.1 | -0.1 |
| Means - | 52.4 | +0.1 | -0.5 | 48.4 | -0.7 | 44.4 | -1.1 | 19.8 | -0.1 | .296 | -0.012 | 3.3 | -0.2 |

| 1885. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | R.in. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----|------------------------|--|--------------------------|--|--------------------------------------|--|-----------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Amount. | Diff. from ave- rage of 70 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | | |
| April - | 77 | - 3 | in. 29.616 | in. -0.133 | grs. 541 | grs. - 2 | in. 2.05 | in. +0.31 | 293 | 10 | 17 | 3 | 22.9 | 45.8 | |
| May - | 76 | - 3 | 29.628 | -0.164 | 538 | - 2 | 2.10 | +0.05 | 282 | 8 | 16 | 7 | 23.2 | 50.3 | |
| June - | 71 | - 2 | 29.857 | +0.052 | 532 | 0 | 1.67 | -0.33 | 271 | 0 | 14 | 16 | 30.1 | 51.3 | |
| Means - | 75 | - 3 | 29.700 | -0.082 | 537 | - 1 | Sum 5.82 | Sum +0.01 | Mean 282 | Sum 18 | Sum 47 | Sum 26 | Lower 22.9 | Higher 51.3 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|-----------------------|--------|----------|-------------------------------|-------|----------|-------------------------------|-------|----------|-------------------------------|
| | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3½ | 2½ | + 1½ | 6 | 1½ | + 4½ | 2½ | 2½ | + ½ |
| N. | 2 | 4½ | - 2½ | 0 | 4½ | - 4½ | 1½ | 3½ | - 1½ |
| N.E. | 6 | 6½ | - ½ | 1 | 7½ | - 6½ | 1½ | 3½ | - 2½ |
| E. | 7½ | 3½ | + 3½ | 2½ | 2½ | + ½ | 11½ | 2½ | + 9½ |
| S.E. | 2 | 2½ | - ½ | 2½ | 1½ | + 1½ | 1½ | 2½ | - 1½ |
| S. | 1½ | 2½ | - 1½ | 4 | 2½ | + 1½ | 1½ | 2½ | - 1½ |
| S.W. | 6½ | 6½ | 0 | 11½ | 8½ | - 3½ | 8½ | 10 | - 1½ |
| W. | 1½ | 2½ | - 1½ | 3½ | 2½ | + 1½ | 2½ | 4 | - 1½ |
| Calm. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of April are opposite to E. and N.W.; in May to N.W. and S.; and in June to E. and N.W.

The minus sign (-) denotes deficiencies below averages. In April the largest numbers are opposite to N., S., and W.; in May to N.E. and N.; and in June to N.E. and W.

The mean reading of the barometer for the month of June was 29.857 ins., being 0.052 in. above the average of 44 years, and the same as in 1884, 0.064 in. and 0.122 in. respectively higher than in 1883 and 1882. Back to 1841 there have been but fifteen instances of readings exceeding 29.857 ins.

| | | |
|--------------------------|-----------------------|-----------------------|
| In 1842 - 29.901 inches. | 1855 - 29.863 inches. | 1867 - 29.935 inches. |
| 1846 - 29.866 " | 1856 - 29.877 " | 1868 - 29.980 " |
| 1849 - 29.868 " | 1857 - 29.858 " | 1869 - 29.920 " |
| 1850 - 29.886 " | 1858 - 29.915 " | 1870 - 29.947 " |
| 1851 - 29.895 " | 1865 - 30.029 " | 1874 - 29.939 " |

From March to April there was a decrease of pressure at stations south of 51° of 0.292 in., between 51° and 52° of 0.284 in., between 52° and 53°, of 0.263 in., between 53° and 54° of 0.264 in., and north of 54° of 0.266 in.

From April to May there was an increase of pressure at stations south of 51° of 0.036 in., between 51° and 52° of 0.018 in., a decrease between 52° and 53° of 0.015 in., between 53° and 54° of 0.035 in., and north of 54° of 0.044 in.

From May to June there was an increase of pressure at stations south of 51° of 0.208 in., between 51° and 52° of 0.226 in., between 52° and 53° of 0.258 in., between 53° and 54° of 0.279 in., and north of 54° of 0.289 in.

About London the barometric pressure was on the first day of April below its average by 0.11 in., for the next three days the excess daily was 0.14 in.; from the 5th to the 16th there was a daily deficiency averaging 0.25 in.; from the 17th to the 21st the average daily excess equalled 0.23 in.; for 16 days, viz., from April 22nd to May 7th there was a deficiency of 0.32 in. below the average values; for five days there was a slight excess and then five days of a slight deficiency of pressure. May 18th and 19th were nearly of the average. From May 20th to the 23rd the readings of the barometer were low, being 0.44 in. below their daily averages. From May 24th to June 3rd there was a slight excess of 0.09 in. daily; from the 4th to the 8th there was a deficiency, being 0.11 in. below the average; from the 9th to the 16th there was an excess of pressure, being 0.21 in. above the average, for the next four days a daily deficiency of 0.16 in., and from June 21st to the end of the quarter there was a slight excess of 0.06 in. daily.

Thunderstorms occurred in April on the 26th at Burslem, Liverpool, Bolton, Halifax, Stonyhurst, and Carlisle.

In May on the 2nd at Nottingham and Silloth; on the 4th at Plymouth; on the 6th at Torquay and Barnet; on the 7th at Hull; on the 9th at Barnet; on the 11th at Liverpool; on the 14th at Wolverhampton and Bradford; on the 16th at Bedford, Lowestoft, and Burslem; on the 17th at Southbourne, Marlborough, Whitchurch, Barnet, Oxford, Cardington, Cambridge, Leicester, and Nottingham; on the 20th at Leeds; on the 21st at Royston, Cambridge, Wolverhampton, Leicester, Bolton, Hull, and Leeds; on the 22nd at Oxford, Nottingham, and Stonyhurst; on the 23rd at Royston, Halifax, and Hull; and on the 29th at Bolton.

In June on the 4th and 5th at Guernsey; on the 6th at Ventnor; on the 7th at Southbourne, Rodmersham, Burslem, Halifax, Hull, and Stonyhurst; on the 8th at Hull; and on the 14th at Guernsey.

Thunder was heard but lightning was not seen in April, on the 6th at Bedford; on the 23rd at Somerleyton; on the 25th at Cambridge; on the 26th at Lancaster; and on the 27th at Wolverhampton and Halifax.

In May on the 2nd at Cambridge; on the 3rd at Whitchurch and Wolverhampton; on the 4th at Truro, and Royston; on the 6th at Osborne, Rodmersham, and Lowestoft; on the 9th at Hull; on the 10th at Halifax; on the 13th at Nottingham; on the 14th at Osborne and Halifax; on the 16th at Bath, Whitchurch, Rugby, Lowestoft, and Somerleyton; on the 17th at Ventnor, Bath, Rodmersham, Marlborough, and Royston; on the 19th at Camden Square; on the 21st at Camden Square and Cardington; on the 22nd at Plymouth and Whitchurch; on the 23rd at Rodmersham, Rugby and Somerleyton; on the 24th at Rugby and Somerleyton; and on the 26th at Halifax.

In June on the 6th at Cambridge.

Lightning was seen but thunder was not heard in May, on the 4th at Blackheath; on the 6th at Torquay; on the 7th at Rodmersham; on the 16th at Lowestoft and Somerleyton; and on the 17th at Ventnor.

In June on the 4th at Plymouth; on the 7th at Cambridge; and on the 14th at Torquay.

Solar halos were seen in April on the 2nd at Torquay; on the 3rd at Halifax; on the 7th at Torquay and Rodmersham; on the 9th at Torquay; on the 15th at Rodmersham; on the 20th and 26th at Halifax; and on the 26th at Torquay.

In May on the 8th and 12th at Torquay; on the 13th at Torquay, Bath, Rodmersham, Oxford, Royston, and Stonyhurst; on the 20th at Oxford; on the 22nd at Stonyhurst; and on the 28th and 30th at Rodmersham.

In June on the 5th at Oxford; on the 7th at Bath; on the 10th and 11th at Oxford and Halifax; on the 29th at Torquay.

Lunar halos were seen in April on the 1st and 23rd at Torquay; on the 26th at Oxford and Hull; on the 27th at Oxford, Burslem, and Hull; and on the 28th at Halifax.

In May on the 24th at Torquay and Bath; and on the 26th at Oxford.

Aurora Borealis was seen in May on the 14th at Stonyhurst.

Snow fell in April on the 1st at Torquay, Bath, and Marlborough; on the 2nd at Bolton; on the 16th at Burslem and Liverpool; and on the 26th at Bolton.

In May on the 4th at Silloth; on the 6th at Marlborough and Leicester; on the 7th at Bath, Rodmersham, Wolverhampton, Nottingham, Burslem, Bolton, Halifax, Hull, and Leeds; on the 8th at Barnet, Burslem, and Bolton; and on the 9th and 10th at Burslem and Bolton.

Hail fell in April, on the 6th at Torquay, Bath, Oxford, Royston, and Cambridge; on the 7th and 16th at Torquay; on the 25th at Rodmersham and Royston; on the 26th at Leicester, Burslem, Bolton, and Bradford; on the 27th at Hull; and on the 30th at Totnes.

In May on the 2nd at Torquay, Cardington, and Cambridge; on the 3rd at Oxford and Royston; on the 5th at Silloth; on the 6th at Torquay, Rodmersham, Barnet, and Silloth; on the 7th at Marlborough, Barnet, Oxford, Cambridge, Burslem, Bolton, Halifax, and Silloth; on the 8th at Plymouth, Osborne, Barnet, Oxford, Royston, Cambridge, Burslem, Llandudno, Liverpool, and Bolton; on the 9th at Marlborough, Royston, Cambridge, Wolverhampton, Burslem, Llandudno, Bolton, and Halifax; on the 10th at Burslem, Llandudno, Liverpool, and Halifax; on the 11th at Somerleyton, Nottingham, and Liverpool; on the 14th at Torquay, Cardington, Wolverhampton,

(continued on page 71.)

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1885.
The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| NAME OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1885. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | | Wind. | | | Rain. | | | | | |
|---|------------------------------------|------------|---------------------------|--------|----------|------------------------------|--------|-------|-------------------|------|------------|----------------|------------------------------|-----------------------|--------------------------------------|-----------------------------------|-------------------------|-------------------|---------------------|------------------------|-------|--------|----------------|-----------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | Mean. | Short of foot of Air. | Mean Degree of Humidity, Sat. = 100. | Mean Weight of cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | Mean Amount of | Amount of Rain. |
| | | | | | | | | N. | E. | | | | | | | | | | | S. | W. | | | |
| | | | | | | | | | | | | | | | | | | | | | | North. | | |
| GUERNSEY ADOLPHUS COLLETT, Esq., F. R. Met. Soc. | 270 | April | 29.504 | 1.160 | 68.3 | 33.0 | 35.3 | 32.8 | 41.9 | 46.3 | 29.5 | 82 | 104.9 | 1.0 | 10 | 5 | 8 | 6 | 4.5 | 19 | 1.84 | | | |
| | | May | 29.581 | 0.860 | 65.8 | 36.6 | 37.2 | 35.8 | 43.7 | 48.9 | 30.1 | 81 | 109.8 | 0.9 | 10 | 3 | 6 | 20 | 8.3 | 6.2 | 3.22 | | | |
| | | June | 29.766 | 0.651 | 77.0 | 45.7 | 34.5 | 35.5 | 51.1 | 56.1 | 30.1 | 83 | 115.6 | 0.9 | 10 | 3 | 8 | 5 | 2.9 | 5.5 | 10.50 | | | |
| TRURO (Cornwall). N. WHITLEY, Esq., F. R. Met. Soc. | 43 | April | 29.683 | 1.210 | 67.0 | 28.0 | 39.0 | 37.9 | 47.3 | 44.7 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.703 | 0.850 | 65.0 | 32.0 | 37.0 | 37.4 | 45.0 | 47.4 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.888 | 0.680 | 79.0 | 43.0 | 37.0 | 36.8 | 50.4 | 55.9 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| PLYMOUTH (Devon). J. M. MERRITT, Esq., LL.D., F. R. Met. Soc. | 69 | April | 29.725 | 1.161 | 65.0 | 31.0 | 38.0 | 37.2 | 46.0 | 45.8 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.766 | 0.850 | 65.0 | 32.0 | 37.0 | 37.4 | 45.0 | 47.4 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.888 | 0.680 | 79.0 | 43.0 | 37.0 | 36.8 | 50.4 | 55.9 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| TOYNES (Devon). I. H. EDMONDS, Esq. | 107 | April | 29.725 | 1.161 | 65.0 | 31.0 | 38.0 | 37.2 | 46.0 | 45.8 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.766 | 0.850 | 65.0 | 32.0 | 37.0 | 37.4 | 45.0 | 47.4 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.888 | 0.680 | 79.0 | 43.0 | 37.0 | 36.8 | 50.4 | 55.9 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| TORQUAY (Bathcombe) (Devon). E. W. D. DAVIE, Esq., F. R. Met. Soc. | 305 | April | 29.725 | 1.161 | 65.0 | 31.0 | 38.0 | 37.2 | 46.0 | 45.8 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.766 | 0.850 | 65.0 | 32.0 | 37.0 | 37.4 | 45.0 | 47.4 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.888 | 0.680 | 79.0 | 43.0 | 37.0 | 36.8 | 50.4 | 55.9 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption). HARTLEY SAGAR, Esq. | 80 | April | 29.674 | 1.106 | 64.3 | 32.1 | 37.3 | 35.0 | 42.0 | 47.0 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.680 | 1.032 | 64.3 | 32.1 | 37.3 | 35.0 | 42.0 | 47.0 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.915 | 0.649 | 74.6 | 45.7 | 32.9 | 35.5 | 48.5 | 53.5 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| OSBORNE (Isle of Wight). J. R. MANN, Esq. | 172 | April | 29.695 | 1.104 | 71.2 | 50.7 | 44.5 | 38.1 | 45.4 | 41.1 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.659 | 1.068 | 68.6 | 33.1 | 33.5 | 33.3 | 41.4 | 47.9 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.852 | 0.772 | 81.2 | 43.2 | 39.0 | 38.6 | 49.9 | 57.2 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| SOUTHBOURNE, (near Bournemouth) (Hants). T. A. COMPTON, Esq., M.D., B.A., F. R. Met. Soc. | 95 | April | 29.671 | 1.124 | 67.5 | 25.9 | 41.6 | 38.6 | 45.8 | 45.8 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.684 | 0.950 | 61.2 | 27.0 | 41.1 | 36.3 | 44.8 | 48.1 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.920 | 0.756 | 73.5 | 44.0 | 39.5 | 38.6 | 50.6 | 57.2 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| SALISBURY (Wilton House), Wills, THOMAS CHALLIS, Esq. | 185 | April | 29.591 | 1.092 | 74.0 | 20.0 | 41.0 | 38.5 | 44.1 | 44.1 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.621 | 0.962 | 62.2 | 27.0 | 41.1 | 36.3 | 44.8 | 48.1 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.852 | 0.772 | 81.2 | 43.2 | 39.0 | 38.6 | 49.9 | 57.2 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| BARNSTAPLE (Devon). WILLIAM KNILL, Esq. | 43 | April | 29.707 | 1.150 | 72.0 | 25.0 | 38.0 | 35.4 | 42.0 | 47.0 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | May | 29.735 | 0.870 | 68.0 | 28.0 | 38.0 | 35.4 | 42.0 | 47.0 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |
| | | June | 29.912 | 0.750 | 83.5 | 45.0 | 38.5 | 37.3 | 46.2 | 52.5 | 32.4 | 82 | 104.9 | 2.6 | 10 | 7 | 8 | 5 | 5.8 | 15 | 3.61 | | | |

| NAME OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1885. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | | Mean of Thermometer. | | Wind. | | | | Mean Amount of Rain. | | | |
|---|------------------------------------|--|----------------------------|----------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-----------------------|----------------------------|---------------------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | All Highest. | All Lowest. | Mean. | Air. | Dew Point. | Elastic Force. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grains. | Relative Proportion of | | | | | |
| | | | | | | | | | | | | | | | | | | N. | E. | | S. | W. | |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. ALMOND, O.S.B. | 560 | April May June | 29.735 29.762 29.902 | 1.115 0.867 0.877 | 69.8 69.8 76.9 | 27.4 34.0 38.5 | 42.4 35.8 40.5 | 32.5 33.9 35.9 | 37.2 40.3 45.1 | 15.3 13.6 13.9 | 43.8 35.8 35.8 | 37.0 40.4 49.2 | 220 252 332 | 2.5 3.9 3.9 | 75 75 75 | 546 554 523 | 28.5 28.4 1.6 | 1.8 1.6 1.6 | 10 12 12 | 7 7 7 | 8 7 7 | 5.5 5.6 5.8 | |
| RODMERSHAM, near Sittingbourne (Kent). J. M. MERRITT, Esq., F. R. Met. Soc. | 140 | Jan. Feb. Mar. April May June | — — — — — — | — — — — — — | 22.5 58.8 58.8 71.2 79.3 | 30.7 30.3 30.7 32.4 39.0 | 32.1 25.2 30.7 41.0 39.3 | 32.1 25.2 30.7 41.0 39.3 | 32.1 25.2 30.7 41.0 39.3 | 7.9 9.3 13.0 13.8 15.6 | 38.8 39.8 39.7 43.8 46.3 | 34.2 39.8 34.4 42.9 48.9 | 197 264 282 268 347 | 2.2 3.8 3.0 3.0 3.7 | 81 87 81 83 76 | — — — — — | — — — — — | 6 7 11 5 10 | 7 11 3 4 4 | 8 3 10 11 9 | 3 3 6 5 3 | 11 14 14 18 18 | 7.2 7.3 5.8 5.2 5.0 |
| MARLBOROUGH (Wills). REV. THOMAS A. PRESTON, M.A., F. R. Met. Soc. | 453 | April May June | 29.764 29.762 29.768 | 1.270 0.946 0.828 | 70.7 63.2 84.1 | 29.8 35.2 36.1 | 45.9 38.0 46.0 | 32.5 35.2 38.1 | 32.5 35.2 38.1 | 17.7 18.9 18.9 | 44.7 46.7 48.6 | 38.9 46.7 48.6 | 231 243 243 | 2.9 3.0 3.1 | 77 77 77 | 541 538 539 | 39.6 39.5 43.5 | 0.7 0.6 0.6 | 7 7 7 | 11 8 8 | 5 7 8 | 7 12 13 | 6.9 5.5 5.5 |
| BLACKHEATH (Kent). JAMES GLASSER, Esq., F.R.S. | 150 | April May June | 29.615 29.626 29.849 | 1.072 1.022 0.840 | 72.3 75.8 86.3 | 28.5 31.2 43.6 | 44.0 45.6 49.6 | 41.3 43.6 45.6 | 41.3 43.6 45.6 | 18.9 19.1 22.1 | 46.9 49.0 50.4 | 39.2 40.4 50.4 | 243 260 307 | 2.8 3.1 4.1 | 76 77 72 | 542 539 432 | 109.4 109.4 134.5 | 0.9 0.8 1.1 | 7 7 13 | 11 11 13 | 7 7 8 | 10 10 8 | 5.5 5.5 5.1 |
| ROYAL OBSERVATORY, Greenwich, W. H. CHAPMAN, M.A., F.R.S., Astronomer Royal. | 119 | April May June | 29.628 29.618 29.857 | 1.072 1.047 0.849 | 72.8 74.8 84.7 | 28.1 31.8 43.7 | 45.5 45.5 49.6 | 43.5 45.5 49.6 | 43.5 45.5 49.6 | 18.8 19.0 21.7 | 47.8 49.0 50.4 | 39.2 40.4 50.4 | 240 254 331 | 2.9 3.1 4.1 | 77 77 72 | 541 538 432 | 109.4 109.4 134.5 | 0.9 0.8 1.1 | 7 7 13 | 11 11 13 | 7 7 8 | 10 10 8 | 5.5 5.5 5.1 |
| WHITCHURCH RECTORY (Oxon). (near Reading). REV. J. SLATTERY, M.A., F.R. Met. Soc. | 150 | April May June | 29.655 29.663 29.808 | 1.075 1.047 0.849 | 72.3 74.8 84.7 | 28.1 31.8 43.7 | 45.5 45.5 49.6 | 43.5 45.5 49.6 | 43.5 45.5 49.6 | 18.8 19.0 21.7 | 47.8 49.0 50.4 | 39.2 40.4 50.4 | 240 254 331 | 2.9 3.1 4.1 | 77 77 72 | 541 538 432 | 109.4 109.4 134.5 | 0.9 0.8 1.1 | 7 7 13 | 11 11 13 | 7 7 8 | 10 10 8 | 5.5 5.5 5.1 |
| CAMDEN SQUARE (London). G. J. SYMONS, Esq., F.R.S., F. R. Met. Soc. | 125 | April May June | 29.627 29.672 29.760 | 1.021 1.053 0.850 | 72.8 78.3 84.7 | 29.3 31.4 43.3 | 48.5 49.2 49.2 | 45.5 47.5 49.2 | 45.5 47.5 49.2 | 18.7 18.7 20.2 | 47.8 49.0 50.4 | 39.2 40.4 50.4 | 240 254 331 | 2.9 3.1 4.1 | 77 77 72 | 541 538 432 | 109.4 109.4 134.5 | 0.9 0.8 1.1 | 7 7 13 | 11 11 13 | 7 7 8 | 10 10 8 | 5.5 5.5 5.1 |
| DARNET (Gas Works). T. H. MARTIN, Esq., C.E. | 212 | April May June | 29.689 29.703 29.884 | 1.021 1.003 0.859 | 72.8 75.2 84.9 | 29.3 31.4 43.3 | 48.5 49.2 49.2 | 45.5 47.5 49.2 | 45.5 47.5 49.2 | 18.7 18.7 20.2 | 47.8 49.0 50.4 | 39.2 40.4 50.4 | 240 254 331 | 2.9 3.1 4.1 | 77 77 72 | 541 538 432 | 109.4 109.4 134.5 | 0.9 0.8 1.1 | 7 7 13 | 11 11 13 | 7 7 8 | 10 10 8 | 5.5 5.5 5.1 |
| OXFORD (The Observatory). E. J. STONE, Esq., M.A., F.R.S. | 210 | April May June | 29.675 29.678 29.812 | 1.065 1.065 0.848 | 69.8 69.8 80.6 | 27.1 32.1 39.6 | 43.7 43.1 41.0 | 35.5 41.5 41.5 | 35.5 41.5 41.5 | 16.4 16.4 18.5 | 47.1 49.0 50.4 | 39.8 41.1 50.4 | 245 259 320 | 2.8 2.9 3.5 | 76 76 72 | 540 539 432 | 104.2 108.8 116.2 | 2.8 2.8 2.7 | 11 10 7 | 6 6 7 | 8 8 8 | 3 3 3 | 5.7 6.2 5.5 |
| ROYSTON (Hertfordshire). HALE WORTHAM, Esq., F.R.A.S., F. R. Met. Soc. | 205 | April May June | 29.751 29.752 29.779 | 1.068 1.065 0.837 | 70.4 70.4 85.4 | 31.2 32.0 44.4 | 47.6 47.6 49.4 | 37.6 41.2 41.2 | 37.6 41.2 41.2 | 20.4 19.8 23.7 | 45.7 47.0 50.4 | 40.1 42.5 52.2 | 247 278 391 | 2.8 3.5 4.3 | 82 86 83 | 542 539 432 | 116.2 116.2 134.5 | — — — | 11 10 6 | 7 3 6 | 8 9 8 | 4 12 8 | 5.5 5.5 5.6 |
| BEDFORD, Cardington, Assistant to Mr. J. McLELLAN, Esq., M.P. | 105 | April May June | 29.688 29.687 29.863 | 1.114 0.868 0.868 | 72.2 75.8 85.4 | 29.0 32.0 43.4 | 47.6 47.6 49.4 | 37.6 41.2 41.2 | 37.6 41.2 41.2 | 19.8 19.8 23.7 | 45.7 47.0 50.4 | 40.1 42.5 52.2 | 247 278 391 | 2.8 3.5 4.3 | 82 86 83 | 542 539 432 | 116.2 116.2 134.5 | — — — | 11 10 6 | 7 3 6 | 8 9 8 | 4 12 8 | 5.5 5.5 5.6 |
| CAMBRIDGE (Trinity College), W. L. GLASSER, Esq., M.A., F.R.S. | 40 | April May June | 29.752 29.754 29.771 | 0.932 0.904 0.865 | 74.0 74.0 86.7 | 31.3 34.0 43.3 | 47.6 47.6 49.4 | 37.6 41.2 41.2 | 37.6 41.2 41.2 | 19.8 19.8 23.7 | 45.7 47.0 50.4 | 40.1 42.5 52.2 | 247 278 391 | 2.8 3.5 4.3 | 82 86 83 | 542 539 432 | 116.2 116.2 134.5 | — — — | 11 10 6 | 7 3 6 | 8 9 8 | 4 12 8 | 5.5 5.5 5.6 |
| RUGBY (Warwickshire), Snoekton, The Rectory, REV. W. TUCKWELL. | 289 | April May June | 29.769 29.701 | 1.468 0.854 | 71.4 84.5 | 21.2 34.0 | 35.3 49.5 | 34.5 46.2 | 34.5 46.2 | 30.8 30.8 | 44.4 49.7 | 39.2 49.7 | 240 337 | 2.8 4.0 | 86 77 | 542 532 | — — | — — | 11 8 | 7 9 | 4 6 | 7 6 | 5.7 5.7 |

| Year 1885. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | | | |
|---|------------------------------------|----------------------------------|----------------------------------|--------|----------|------------------------------|--------|----------|-------------------|-------|-------------------------|------------------------------|----------------------|--------------------------|------------|-----------------------|-------------------------|-------|--------|----------------------------------|------|----|----|----|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Highest. | Lowest. | Mean. | In a cubic foot of Air. | | Short of Saturation. | Mean Degree of Humidity. | Direction. | | | | Force. | Relative Proportion of Strength. | N. | E. | S. | W. |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 80 | April 29-687 | 1-020 | 72.5 | 54.5 | 88.0 | 33.5 | 49.0 | 88.0 | 72.5 | 2.0 | 69 | 2.0 | 2.0 | 2.0 | 9 | 9 | 6 | 7 | 12 | 1.40 | | | |
| SOMERLEYTON (Suffolk), The Rectory. | 50 | April 29-728 | 1-008 | 73.4 | 58.5 | 84.5 | 34.5 | 49.5 | 84.5 | 73.4 | 1.0 | 81 | 1.0 | 1.0 | 1.0 | 7 | 7 | 7 | 7 | 11 | 1.68 | | | |
| REV. C. J. STEWARD, F.R. Met. Soc. | 500 | April 29-251 | 1-194 | 69.5 | 53.7 | 83.7 | 33.7 | 48.7 | 83.7 | 69.5 | 1.1 | 83 | 1.0 | 1.0 | 1.0 | 7 | 7 | 7 | 7 | 9 | 0.68 | | | |
| WOLVERHAMPTON (Staffordshire), E. SIMPSON, Esq. | 400 | April 29-691 | 1-194 | 69.5 | 53.7 | 83.7 | 33.7 | 48.7 | 83.7 | 69.5 | 1.1 | 83 | 1.0 | 1.0 | 1.0 | 7 | 7 | 7 | 7 | 9 | 0.68 | | | |
| LEICESTER (Town Museum), J. C. SMITH, Esq. | 288 | April 29-617 | 1-118 | 71.5 | 55.5 | 85.5 | 35.5 | 50.5 | 85.5 | 71.5 | 1.0 | 70 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| NOTTINGHAM (Notis), M. O. T. STONSON, Esq., C.E., F.G.S., F.R. Met. Soc. | 123 | April 29-643 | 1-113 | 69.8 | 56.1 | 83.7 | 33.7 | 48.7 | 83.7 | 69.8 | 1.0 | 70 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| BURTON, J. E. WORTH, Esq., C.E., F.R. Met. Soc. | 558 | April 29-167 | 1-180 | 67.0 | 50.7 | 80.7 | 30.7 | 45.7 | 80.7 | 67.0 | 1.0 | 76 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | 100 | April 29-678 | 1-200 | 61.2 | 32.0 | 89.2 | 32.0 | 47.2 | 89.2 | 61.2 | 1.0 | 73 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| LIVERPOOL. The Observatory, JOHN HARTUP, Esq., F.R.A.S. | 197 | April 29-531 | 1-256 | 61.9 | 37.3 | 89.6 | 37.3 | 52.3 | 89.6 | 61.9 | 1.0 | 72 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| BOLTON. Sharples (Lancashire), REV. N. MACKERETH, F.R.A.S., F.R. Met. Soc. | 600 | April 29-238 | 1-184 | 64.1 | 37.2 | 89.9 | 37.2 | 52.2 | 89.9 | 64.1 | 1.0 | 74 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| HALIFAX. Barmeside Observatory, E. J. CROSSLAND, Esq., F.R.A.S. | 830 | April 29-320 | 1-100 | 68.6 | 35.0 | 85.0 | 35.0 | 50.0 | 85.0 | 68.6 | 1.0 | 71 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| HULL (Yorkshire). The People's Park, M. E. FRANK. | 6 | April 29-800 | 1-026 | 60.0 | 24.0 | 85.0 | 24.0 | 49.0 | 85.0 | 60.0 | 1.0 | 78 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| STONYHURST (Lancashire), REV. S. J. PERRY, F.R.S., F.R. Met. Soc., F.R.A.S. | 383 | April 29-368 | 1-012 | 63.3 | 31.1 | 85.3 | 31.1 | 46.3 | 85.3 | 63.3 | 1.0 | 77 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |
| BRADFORD (Yorkshire), J. MCCLANDBOROUGH, Esq., C.E., F.G.S. | 366 | April 29-579 | 1-168 | 65.8 | 28.6 | 84.6 | 28.6 | 43.6 | 84.6 | 65.8 | 1.0 | 74 | 1.0 | 1.0 | 1.0 | 8 | 8 | 8 | 8 | 11 | 2.00 | | | |

| Year 1885. | Pressure of Atmosphere in Month. | Temperature of Air in Month. | | | | | Mean Tem- perature. | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------------|------------------------------|-----------------|----------------|------|------------|---------------------|----------------|-------------------------|-------|------------------------------|-------------------------------------|-------------------------|-------------------|-----------------------|-------|--------------------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Mean | | | Air. | Dew Point. | | Elastic Force. | In a cubic foot of Air. | | | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum in Grass. | | | Estimated Strength | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Range. | Of all Highest. | Of all Lowest. | | | | | Daily Range. | Mean. | | | | | | | | Short of Saturation. | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Months. | feet. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |

Second Rain-gauges are placed—

| At Oxford, at the height of 22 feet above the ground; the amount collected was | April. | May. | June. | Total in Quarter |
|--|--------------|--------|--------|------------------|
| " " " | 1.70 inches. | 2.09 " | 1.33 " | 5.12 " |
| " " " | 1.33 " | 2.21 " | 1.81 " | 5.35 " |
| " " " | 1.33 " | 2.21 " | 1.81 " | 5.35 " |

(Continued from page 67.)

Halifax, and Silloth; on the 16th at Guernsey, Marlborough, Oxford, Royston, Cambridge, Cardington, Leicester, and Hull; on the 17th at Ventnor, Marlborough, Whitechurch, Barnet, Royston, Cardington, Cambridge, Wolverhampton, Nottingham, Halifax, and Hull; on the 18th at Halifax; on the 20th at Torquay, and Marlborough; on the 21st at Torquay, Bath, Barnet, Cambridge, Wolverhampton, and Hull; on the 22nd at Cardington; on the 23rd at Torquay, Barnet, Oxford, Lowestoft, and Hull.

Fog prevailed in April, on the 7th at Bath and Barnet; on the 11th at Rodmersham and Liverpool; on the 12th at Bath; on the 13th at Bath and Liverpool; on the 14th at Liverpool; on the 15th and 16th at Bath and Liverpool; on the 17th at Liverpool; on the 18th at Bradford; on the 19th at Bath and Cambridge; on the 27th at Bath; and on the 30th at Cambridge.

In May, on the 3rd at Cambridge; on the 4th at Wolverhampton; on the 14th at Liverpool; on the 25th at Guernsey; on the 26th at Guernsey and Ventnor; on the 27th at Guernsey, Torquay, and Bath; on the 28th at Torquay; and on the 30th at Torquay and Southbourne.

In June, on the 5th at Guernsey and Stonyhurst; on the 6th at Torquay and Ventnor; on the 7th at Guernsey, Torquay, Ventnor, Southbourne; on the 8th at Torquay, and Lowestoft; on the 15th at Lowestoft; on the 16th at Guernsey and Torquay; on the 17th at Guernsey; on the 20th at Bath; on the 23rd at Plymouth and Torquay; on the 24th at Torquay, Bath, and Wolverhampton; on the 25th at Bath; and on the 26th at Rodmersham.

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING SEPTEMBER 30, 1885.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING SEPT. 30TH, 1885.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in July was warm, the temperature being generally above the average. The barometer readings were high throughout the month. There were but three days in the month, viz., the 18th, 19th, and 20th, when the atmospheric pressure was a little less than the average. The month was remarkably dry, the fall of rain was less than half an inch at very many places, and at some the fall was less than a quarter of an inch, and at Whitechurch was less than the tenth of an inch. There was only one thunderstorm, viz., on the 13th, and that was only experienced at, about and a little north of London. The almost total absence of either lightning or thunder was remarkable, and no hail fell. The want of rain at the end of the month was severely felt by all root crops.

The month of August was cold, there were only two days in the month, viz., the 16th and 17th, when the mean temperature reached its average. The atmospheric pressure was variable, for a few days together above its average, and then a few days below. The fall of rain was generally less than the average, but sufficient to save the root crops. The month on the whole was fine and dry, and was favourable for harvest work.

The weather in September was unsettled, the temperature was variable, being for a few days together a little above the average, then for a few days a little below till the last week in the month when the cold was very severe. The atmospheric pressure was below its average till the 15th, and again after the 25th. The rainfall was considerably above its average, and it fell at most places on two out of three days during the month. The first snow fell at Carlisle on the 26th.

About London the mean daily temperature of the air was for the first fourteen days in July above its average by 1°·4 daily. From July 15th to the 18th there was a deficiency of 1°·0; from July 19th to the 27th there was an excess of temperature of 2°·9 daily; from July 28th to August 15th the temperature was low, being 2°·6 below the average; August 16th and 17th were above their averages by 1°·6 and 1°·9 respectively; for the next sixteen days, viz., from August 18th to September 2nd, the temperature was cold, being 4°·2 daily below the average values, for the next four days the temperature was much higher, being 1°·3 above the daily average, then for six days much lower, being below by 2°·7 daily; from September 13th to 23rd the temperature was variable, being for four and three days together alternately above and below, and for the last week in the quarter the deficiency of mean temperature equalled 7°·6 daily.

The mean temperature of the air for July was 63°·8, being 2°·1 and 1°·7 above the averages of 114 years and 44 years respectively; it was 0°·4, 3°·9, and 3°·4 higher than in 1884, 1883, and 1882 respectively.

The mean temperature of the air for August was 58°·5, being 2°·4 and 3°·0 below the averages of 114 years and 44 years respectively; it was 6°·8, 3°·4, and 1°·1 lower than in 1884, 1883, and 1882 respectively.

The mean temperature of the air for September was 55°·1, being 1°·4 and 2°·0 below the averages of 114 years and 44 years respectively; it was 4°·2 and 1°·7, lower than in 1884 and 1883, respectively; and 0°·8 higher than in 1882.

The mean temperature of the quarter was 59°·1, being 0°·6 and 1°·1 below the averages of 114 years and of 44 years respectively.

The mean high day temperature of the air in July was 77°·0, being 2°·9 above the average of 44 years; in August it was 69°·8, being 3°·2 below the average of 44 years; and in September it was 64°·7, being 2°·7 below the average of 44 years.

The mean low night temperature of the air in July was 52°·5, being 0°·6 below the average of 44 years; in August it was 49°·8, being 3°·4 below the average of 44 years; and in September it was 47°·2, being 2°·0 below the average of 44 years.

The mean daily range of temperature in July was 24°·5, being 3°·5 above the average; in August it was 20°·0, being 0°·2 above the average; and in September it was 17°·5, being 0°·8 below the average.

The mean temperature of the air for July was 4°·3 higher than in June; in August it was 5°·3 lower than in July; and in September it was 3°·4 lower than in August.

(From the preceding 44 years' observations the increase of temperature from June to July is 3°·2, the decrease from July to August is 0°·6, and the decrease from August to September is 4°·4.)

From June to July there was an increase of temperature at stations south of 51° of 3°·0, between 51° and 52° of 3°·7, between 52° and 53° of 5°·9, between 53° and 54° of 4°·4, and north of 54° of 4°·6.

From July to August there was a decrease of temperature at stations south of 51° of 1°·7, between 51° and 52° of 4°·2, between 52° and 53° of 4°·4, between 53° and 54° of 4°·1, and north of 54° of 3°·8.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----|-----------------------|-----------------------|----------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | Number of Days on which it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | 29·609 | 77·0 | 35·0 | 42·0 | 37·4 | 45·7 | 32·3 | 11·7 | 50·4 | 44·7 | 300 | 3·5 | 0·8 | 81 | 538 | 109·4 | 39·4 | 1·0 | 8 | 5 | 6 | 11 | 2·9 | 5·4 | 52 | 5·05 | |
| Truro | 29·522 | 79·0 | 28·0 | 41·0 | 30·8 | 43·8 | 35·7 | 16·0 | 49·4 | 42·7 | 278 | 3·1 | 0·9 | 78 | 541 | 111·4 | 42·1 | 1·0 | 8 | 5 | 6 | 11 | 2·9 | 5·4 | 52 | 5·80 | |
| Plymouth | 29·585 | 75·5 | 31·0 | 44·5 | 33·6 | 45·1 | 31·2 | 13·5 | 50·9 | 45·0 | 303 | 4·4 | 0·8 | 83 | 541 | 111·4 | 42·1 | 1·3 | 7 | 7 | 7 | 9 | — | 6·0 | 51 | 8·78 | |
| Totnes | 29·645 | 77·8 | 26·9 | 50·9 | 36·9 | 44·0 | 33·8 | 18·4 | 50·7 | 43·6 | 289 | 3·2 | 1·0 | 78 | 541 | 111·4 | 42·1 | 2·3 | 8 | 6 | 7 | 9 | — | 5·8 | 51 | 9·78 | |
| Torquay | 29·606 | 72·7 | 31·5 | 41·2 | 25·7 | 44·5 | 32·3 | 13·1 | 50·3 | 43·3 | 285 | 3·2 | 0·9 | 77 | 537 | 112·8 | 37·7 | 1·3 | 7 | 7 | 7 | 10 | 5·3 | 6·1 | 47 | 8·23 | |
| Ventnor | 29·541 | 74·6 | 33·1 | 42·5 | 38·8 | 46·2 | 30·8 | 12·6 | 50·8 | 44·7 | 301 | 3·3 | 0·9 | 80 | 540 | 111·4 | 42·1 | 1·0 | 6 | 8 | 5 | 11 | — | 5·6 | 40 | 5·69 | |
| Osborne | 29·555 | 81·2 | 26·7 | 54·5 | 36·0 | 43·3 | 33·7 | 18·7 | 50·6 | 47·1 | 323 | 3·7 | 0·6 | 87 | 539 | 111·4 | 42·1 | 0·1 | 8 | 6 | 9 | 8 | — | 5·5 | 41 | 5·98 | |
| Southbourne | 29·581 | 73·5 | 25·9 | 47·6 | 35·1 | 43·7 | 33·2 | 14·4 | 50·0 | 43·1 | 283 | 3·2 | 0·9 | 78 | 541 | 111·4 | 42·1 | 1·9 | 9 | 5 | 8 | 8 | — | 5·0 | 40 | 7·09 | |
| Salisbury | 29·561 | 80·8 | 28·5 | 58·3 | 36·3 | 43·5 | 44·6 | 20·1 | 52·0 | 44·2 | 296 | 3·4 | 1·0 | 76 | 538 | 114·5 | 37·1 | 1·1 | 9 | 6 | 7 | 9 | — | 6·0 | 60 | 7·16 | |
| Barnstaple | 29·580 | 83·5 | 33·0 | 50·5 | 36·1 | 43·5 | 35·2 | 13·6 | 53·6 | 47·2 | 320 | 3·6 | 1·1 | 77 | 538 | 114·5 | 37·1 | 1·3 | 7 | 5 | 9 | 10 | — | 3·3 | 39 | 9·37 | |
| Bath | 29·608 | 79·3 | 27·4 | 49·5 | 35·1 | 42·2 | 33·9 | 14·9 | 48·8 | 42·2 | 275 | 3·1 | 0·8 | 79 | 536 | 112·0 | 30·0 | 1·6 | 9 | 4 | 7 | 10 | — | 5·9 | 47 | 8·66 | |
| Rodmersham | 29·508 | 84·7 | 29·3 | 55·4 | 33·0 | 44·2 | 43·2 | 18·8 | 52·2 | 42·8 | 279 | 3·2 | 1·3 | 71 | 538 | 109·9 | 39·2 | 1·6 | 9 | 4 | 9 | 8 | 4·3 | 6·0 | 40 | 4·45 | |
| Marlborough | 29·587 | 84·1 | 22·8 | 61·3 | 35·2 | 41·5 | 44·0 | 17·7 | 49·4 | 42·5 | 276 | 3·1 | 0·9 | 78 | 534 | 114·1 | 36·8 | 0·6 | 7 | 8 | 6 | 9 | — | 6·0 | 48 | 7·65 | |
| Whitechurch | 29·638 | 84·1 | 26·8 | 57·3 | 36·2 | 40·9 | 43·5 | 22·0 | 51·8 | 43·1 | 232 | 3·2 | 1·1 | 83 | 539 | 114·1 | 36·8 | 1·4 | 7 | 8 | 6 | 10 | — | 5·1 | 46 | 6·42 | |
| Blackheath | 29·561 | 80·8 | 28·5 | 58·3 | 36·3 | 43·5 | 44·6 | 20·1 | 52·0 | 44·2 | 296 | 3·4 | 1·0 | 76 | 538 | 114·5 | 37·1 | 1·1 | 9 | 6 | 7 | 9 | — | 4·8 | 32 | 5·75 | |
| Royal Observatory | 29·575 | 84·7 | 29·3 | 55·4 | 33·0 | 44·2 | 43·2 | 18·8 | 52·2 | 42·8 | 279 | 3·2 | 1·3 | 71 | 538 | 114·5 | 37·1 | 1·0 | 7 | 9 | 4 | 11 | 4·7 | 6·1 | 35 | 5·82 | |
| Camden Square | 29·508 | 84·7 | 29·3 | 55·4 | 33·0 | 44·2 | 43·2 | 18·8 | 52·2 | 42·8 | 279 | 3·2 | 1·3 | 71 | 538 | 109·9 | 39·2 | 1·6 | 9 | 4 | 7 | 10 | — | 5·5 | 41 | 6·84 | |
| Barnet | 29·620 | 84·9 | 23·0 | 61·9 | 32·1 | 40·0 | 48·2 | 22·1 | 50·0 | 42·8 | 279 | 3·2 | 1·0 | 77 | 539 | 118·7 | 37·1 | 1·0 | 7 | 9 | 4 | 11 | — | 5·5 | 54 | 7·08 | |
| Oxford | 29·598 | 80·6 | 27·1 | 53·5 | 36·1 | 45·3 | 38·9 | 16·8 | 51·6 | 43·6 | 288 | 3·2 | 1·2 | 74 | 537 | 109·7 | 37·2 | 2·8 | 9 | 5 | 8 | 9 | 4·7 | 5·8 | 54 | 5·42 | |
| Royston | 29·599 | 85·4 | 23·1 | 62·3 | 32·7 | 41·8 | 47·3 | 30·9 | 51·1 | 45·1 | 301 | 3·1 | 0·7 | 84 | 538 | 114·5 | 37·1 | 1·0 | 9 | 5 | 8 | 8 | — | 5·7 | 42 | 7·15 | |
| Cardington | 29·605 | 86·4 | 22·0 | 64·4 | 32·7 | 41·4 | 48·1 | 21·3 | 50·9 | 42·4 | 274 | 3·2 | 1·2 | 75 | 540 | 98·7 | 38·7 | 1·0 | 8 | 6 | 6 | 10 | — | 5·6 | 40 | 5·82 | |
| Cambridge | 29·593 | 86·7 | 22·7 | 64·0 | 32·8 | 41·5 | 49·0 | 21·3 | 50·7 | 44·4 | 296 | 3·4 | 0·9 | 79 | 541 | 127·4 | 37·3 | 1·2 | 7 | 6 | 5 | 12 | 6·0 | 42 | 7·27 | | |
| Lowestoft | 29·576 | 73·8 | 31·9 | 41·9 | 26·5 | 43·7 | 31·9 | 12·8 | 49·8 | 42·5 | 277 | 3·1 | 1·0 | 77 | 541 | 107·5 | 40·3 | 2·0 | 7 | 7 | 7 | 10 | — | 5·5 | 40 | 4·40 | |
| Somerleyton | 29·569 | 81·7 | 28·5 | 53·2 | 35·2 | 42·9 | 44·0 | 15·3 | 48·8 | 43·4 | 285 | 3·2 | 0·8 | 84 | 543 | 114·5 | 37·1 | 1·0 | 7 | 7 | 7 | 9 | 7·0 | 5·1 | 41 | 5·48 | |
| Wolverhampton | 29·658 | 82·1 | 23·7 | 58·4 | 38·1 | 40·5 | 42·5 | 17·6 | 48·0 | 38·9 | 241 | 2·8 | 1·1 | 71 | 536 | 106·2 | 31·3 | 0·7 | 8 | 7 | 6 | 9 | — | 6·7 | 45 | 6·73 | |
| Leicester | 29·595 | 84·5 | 33·5 | 59·0 | 36·8 | 42·8 | 43·8 | 18·0 | 50·8 | 40·7 | 288 | 3·0 | 1·3 | 71 | 537 | 106·2 | 31·3 | 0·7 | 8 | 6 | 7 | 9 | — | 6·1 | 47 | 7·57 | |
| Nottingham | 29·575 | 82·6 | 32·1 | 56·5 | 38·8 | 43·4 | 40·7 | 15·4 | 49·8 | 42·1 | 273 | 3·1 | 1·0 | 75 | 543 | 114·0 | 37·6 | 0·2 | 5 | 7 | 10 | 9 | 6·0 | 5·9 | 57 | 7·32 | |
| Burslem | 29·586 | 81·0 | 30·7 | 50·3 | 35·0 | 41·8 | 37·7 | 16·2 | 48·6 | 41·5 | 265 | 3·0 | 0·9 | 77 | 533 | 114·0 | 37·6 | 1·3 | 8 | 10 | 5 | 7 | 10 | — | 6·1 | 55 | 8·35 |
| Llandudno | 29·587 | 74·0 | 32·0 | 42·0 | 26·0 | 44·0 | 38·0 | 11·7 | 49·8 | 40·8 | 259 | 3·0 | 1·2 | 71 | 541 | 114·5 | 37·1 | 1·0 | 9 | 6 | 5 | 14 | 6·4 | 31 | 8·34 | | |
| Liverpool | 29·583 | 78·6 | 31·3 | 45·3 | 35·3 | 44·5 | 30·0 | 11·8 | 49·0 | 40·5 | 259 | 2·9 | 1·1 | 73 | 540 | 114·5 | 37·1 | 1·3 | 8 | 7 | 11 | — | 5·5 | 47 | 5·64 | | |
| Bolton | 29·600 | 77·5 | 25·2 | 52·3 | 35·5 | 40·2 | 36·1 | 15·3 | 47·4 | 39·5 | 245 | 2·8 | 0·9 | 74 | 536 | 106·2 | 31·3 | 0·7 | 7 | 6 | 8 | 9 | 3·5 | 6·0 | 49 | 9·51 | |
| Halifax | 29·629 | 75·5 | 25·0 | 50·5 | 35·1 | 39·5 | 41·3 | 18·6 | 47·4 | 39·8 | 246 | 2·8 | 1·0 | 76 | 536 | 106·2 | 31·3 | 0·4 | 5 | 9 | 5 | 8 | 10 | 6·0 | 47 | 8·94 | |
| Hull | 29·603 | 81·0 | 24·0 | 57·0 | 35·3 | 41·5 | 43·3 | 16·8 | 48·6 | 43·1 | 282 | 3·1 | 0·8 | 81 | 544 | 86·4 | 38·9 | 1·1 | 10 | 3 | 8 | 8 | — | 6·0 | 43 | 6·67 | |
| Stonyhurst | 29·600 | 75·0 | 21·1 | 53·9 | 38·2 | 39·4 | 39·8 | 18·8 | 47·8 | 40·7 | 256 | 3·0 | 0·9 | 76 | 538 | 112·2 | 36·6 | 1·0 | 5 | 6 | 5 | 14 | 7·6 | 50 | 7·78 | | |
| Bradford | 29·579 | 80·6 | 28·6 | 52·0 | 37·5 | 42·8 | 37·5 | 14·5 | 48·5 | 40·1 | 251 | 2·9 | 0·8 | 73 | 537 | 75·5 | — | 0·7 | 8 | 6 | 7 | 10 | — | 7·0 | 46 | 7·02 | |
| Leeds | 29·589 | 82·0 | 28·0 | 54·0 | 39·2 | 43·3 | 40·0 | 15·9 | 49·8 | 40·8 | 259 | 3·0 | 1·1 | 72 | 540 | 114·5 | 37·1 | 1·0 | 9 | 6 | 5 | 14 | — | 6·4 | 46 | 8·18 | |
| Lancaster | 29·564 | 74·0 | 27·5 | 46·5 | 35·7 | 41·7 | 34·3 | 15·3 | 48·6 | 41·1 | 260 | 2·9 | 1·0 | 75 | 542 | 114·5 | 37·1 | 1·0 | 9 | 6 | 5 | 14 | — | 6·4 | 46 | 8·18 | |
| Silloth | 29·560 | 73·4 | 23·5 | 44·9 | 37·1 | 41·1 | 34·4 | 16·0 | 48·4 | 42·5 | 275 | 3·1 | 0·8 | 81 | 543 | 105·9 | 34·7 | 1·3 | 4 | 9 | 5 | 12 | 8·7 | 5·9 | 42 | 6·01 | |
| Carlisle | 29·557 | 76·8 | 24·7 | 52·1 | 33·7 | 39·6 | 41·5 | 19·1 | 47·9 | 42·0 | 273 | 3·1 | 0·7 | 82 | 542 | 91·9 | 34·6 | 0·8 | 4 | 6 | 5 | 15 | 2·6 | 8·2 | 35 | 4·35 | |

The highest temperatures of the air were at Blackheath, 86°·8; at Cambridge, 86°·7; at Cardington, 86°·4.
The lowest temperatures of the air were at Salisbury 20°·0; Stonyhurst, 21°·1; and Cardington, 22°·0.
The greatest ranges of temperature were at Salisbury, 25°·1; at Barnet, 22°·1; at Whitechurch, 22°·0.
The least ranges of temperature were at Guernsey and Llandudno, 11°·7; at Liverpool, 11°·8.
The greatest number of days of rain were at Salisbury, 60; at Nottingham, 57; at Burslem, 55.
The least number of days of rain were at Llandudno, 31; at Blackheath, 32; at Barnet, 34.
The greatest falls of rain were at Totnes, 9·78 inches; Bolton,

From August to September there was an decrease of temperature at stations south of 51° of $2^{\circ}6$, between 51° and 52° of $3^{\circ}0$, between 52° and 53° of $2^{\circ}4$, between 53° and 54° of $2^{\circ}2$, and north of 54° of $2^{\circ}4$.

| 1885. MONTHS. | Temperature of | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|---------------------------------|--------------|---------------------------------|------------|---------------------------------|--------------------------|---------------------------------|--|---------------------------------|----------|
| | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | |
| | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Mean. |
| July | 63.8 | +2.1 | 0 | +1.7 | 58.0 | +0.3 | 53.2 | -0.8 | 24.5 | +3.5 | in. .405 |
| Aug. | 58.5 | -2.4 | -3.0 | -1.4 | 51.4 | -3.1 | 50.8 | -3.2 | 20.0 | +0.2 | in. .371 |
| Sept. | 53.1 | -1.4 | -2.0 | -0.6 | 52.5 | -1.5 | 50.0 | -1.2 | 17.5 | -0.8 | in. .391 |
| Means | 58.1 | -0.6 | -1.1 | -0.5 | 51.3 | -1.4 | 51.3 | -1.7 | 20.7 | +1.0 | in. .379 |

| 1885. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | | Reading of Thermometer on Grass. | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|-------|----------------------------------|----------------------|--------------------------|---------------------------|
| | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Amount. | Diff. from average of 70 years. | | | Number of Nights it was | | Lowest Reading at Night. | Highest Reading at Night. |
| | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Mean. | Diff. from average of 44 years. | Amount. | Diff. from average of 70 years. | Miles. | | At or below 30°. | Between 30° and 40°. | Above 40°. | |
| July | 69 | -7 | 29.966 | +0.202 | 530 | +2 | 0.50 | -2.04 | 222 | 0 | 9 | 22 | 32.6 | 57.8 |
| Aug. | 76 | 0 | 29.796 | +0.013 | 532 | +4 | 1.32 | -1.06 | 239 | 0 | 13 | 18 | 30.4 | 52.8 |
| Sept. | 83 | +2 | 29.713 | -0.086 | 534 | +1 | 3.73 | +1.30 | 275 | 3 | 9 | 18 | 22.3 | 55.8 |
| Means | 76 | -2 | 29.835 | +0.043 | 532 | +2 | Sum 5.55 | Sum -1.80 | Mean 252 | Sum 3 | Sum 31 | Sum 38 | Lowest 22.3 | Highest 57.8 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|--------------------|-------|----------|-------------------------|---------|----------|-------------------------|------------|----------|-------------------------|
| | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3½ | 2½ | + ½ | 8½ | 2½ | + 5½ | 7½ | 2 | + 5½ |
| N. | 2½ | 3½ | - 3 | 2 | 3½ | - 1½ | 1 | 4½ | - 3½ |
| N.E. | 2½ | 3½ | - 1 | 3½ | 3½ | 0 | 1 | 5½ | - 4½ |
| E. | 10 | 1½ | + 8½ | 6½ | 1½ | + 4½ | 3½ | 2½ | + 1 |
| S.E. | 0 | 1 | - 1 | 1½ | 1½ | 0 | 2 | 2 | - 1½ |
| S. | ½ | 3 | - 2½ | 1½ | 3½ | - 2½ | 1½ | 3 | - 1½ |
| S.W. | 11½ | 11 | + ½ | 15½ | 10½ | + 5½ | 13½ | 8 | + 5½ |
| W. | 2½ | 4½ | - 2 | 3 | 4½ | - 1½ | 1 | 3 | - 2 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of July are opposite to E. and S.W.; in August to N.W. and E.; and in September to N.W. and S.W.

The minus sign (-) denotes deficiencies below averages. In July the largest numbers are opposite to N. and S.; in August to S.W. and S.; and in September to N.E. and N.

The mean reading of the barometer for the month of July at the height of 159 ft. above the level of the sea was 29.996 ins., being 0.202 in. above the average of 44 years, and 0.216 in., 0.308 in., and 0.296 in. higher than in 1884, 1883, and 1882 respectively.

The mean reading of the barometer for the month of August was 29.796 ins., being 0.013 in. above the average of 44 years, and 0.039 in., 0.045 in. lower than in 1884 and 1883 respectively, and 0.056 in. higher than in 1882.

The mean reading of the barometer for the month of September was 29.713 ins., being 0.086 in. below the average of 44 years, and 0.122 in. lower than in 1884, 0.065 in. and 0.026 in. higher than in 1883 and 1882 respectively.

From June to July there was an increase at stations south of 51° of $0^{\circ}145$ in., between 51° and 52° of $0^{\circ}145$ in., between 52° and 53° of $0^{\circ}135$ in., between 53° and 54° of $0^{\circ}126$ in., and north of 54° of $0^{\circ}113$ in.

From July to August there was a decrease at stations south of 51° of $0^{\circ}217$ in., between 51° and 52° of $0^{\circ}209$ in., between 52° and 53° of $0^{\circ}192$ in., between 53° and 54° of $0^{\circ}189$ in., and north of 54° of $0^{\circ}162$ in.

From August to September there was a decrease at stations south of 51° of $0^{\circ}054$ in., between 51° and 52° of $0^{\circ}078$ in., between 52° and 53° of $0^{\circ}133$ in., between 53° and 54° of $0^{\circ}139$ in., and north of 54° of $0^{\circ}202$ in.

About London the barometer pressure was for the first seventeen days in July above its average by 0.15 in. daily, for three days the pressure was nearly the same as the average; from July 21st to August 5th, the barometer readings were high, being 0.27 in. in excess of their averages; from August 6th to the 12th there was a deficiency of 0.11 in.; the next week was in excess by 0.22 in. daily; then for four days a deficiency of 0.11 in.; August 24th and 25th being nearly the same as their averages; from August 26th to September 15th, there was a deficiency of pressure to the amount of 0.24 in. the next four days were the same as the average; from September 20th to the 24th, the excess of pressure equalled 0.20 in.; from September 25th to the end of the quarter there was a slight deficiency of 0.07 in.

Thunderstorms occurred in July on the 13th at Camden Square and Cambridge.

In August on the 5th at Rodmersham, Barnet, Cambridge, Wolverhampton, Leicester; on the 6th at Truro, Totnes, Torquay, Ventnor, Whitechurch, Barnet, Oxford, Wolverhampton, Leicester, Liverpool, Hull, and Stonyhurst; on the 7th at Salisbury, Marlborough, Whitechurch, Camden Square, Barnet, Oxford, Lowestoft, Wolverhampton, Halifax; on the 12th at Bolton, Stonyhurst; on the 20th at Rodmersham, Camden Square, Halifax; on the 23rd at Torquay.

In September on the 2nd at Halifax and Hull; on the 3rd at Oxford, Leicester, Nottingham, Burslem, Bolton, Hull, Bradford; on the 4th at Burslem, Liverpool, Bolton, Hull, Stonyhurst; on the 5th at Bolton and Hull; on the 6th at Plymouth, Torquay; on the 7th at Plymouth, Oxford, Wolverhampton, Nottingham; on the 9th at Lowestoft, Burslem, Liverpool; on the 16th and 17th at Rodmersham; on the 25th at Torquay; and on the 30th at Stonyhurst.

Thunder was heard but lightning was not seen in July, on the 5th at Southbourne; and on the 20th at Halifax and Stonyhurst.

In August on the 4th of Oxford; on the 5th at Royston; on the 6th at Guernsey, Osborne, Camden Square, Royston, Cambridge, Bolton, Halifax, Bradford; on the 7th at Whitechurch, Oxford, Royston, Cambridge, Somerleyton, Hull; on the 12th at Llandudno; on the 23rd at Plymouth and Totnes; on the 25th at Halifax.

In September on the 2nd at Burslem; on the 3rd at Marlborough, Rugby, Wolverhampton, Halifax; on the 4th at Cambridge; on the 5th at Cambridge, Rugby, Somerleyton; on the 7th at Blackheath, Barnet; on the 9th at Lowestoft, Somerleyton; on the 10th at Rugby; on the 14th at Liverpool; and on the 25th at Blackheath.

Lightning was seen but thunder was not heard in July, on the 13th at Barnet; on the 16th at Cardington.

In August on the 4th at Oxford; on the 5th at Torquay; on the 6th at Torquay, Southbourne, Salisbury, Rodmersham, Royston, Cambridge; on the 7th at Whitechurch; on the 10th at Rodmersham, Oxford, Cambridge.

In September on the 3rd at Lowestoft, Liverpool, Stonyhurst; on the 5th at Lowestoft, Liverpool; on the 7th at Rodmersham; on the 9th at Rodmersham, Barnet, Royston, Cambridge, Lowestoft, Liverpool; on the 11th at Liverpool; on the 24th at Lowestoft, Halifax, Hull; on the 25th and 26th at Torquay; on the 27th at Rodmersham, Lowestoft; and on the 30th at Bolton.

Solar halos were seen in July on the 2nd at Rodmersham and Halifax; on the 5th and 11th at Rodmersham; on the 14th at Torquay; on the 15th at Rodmersham; on the 18th at Halifax; on the 23rd at Torquay.

In August on the 3rd at Torquay; on the 8th at Torquay, Liverpool; on the 13th at Torquay; on the 16th at Torquay and Halifax; on the 17th at Rodmersham; on the 23rd and 25th at Torquay.

In September on the 1st at Torquay and Rodmersham; on the 4th at Rodmersham; on the 11th at Rodmersham and Halifax; on the 12th and 13th at Torquay; on the 16th at Torquay, Rodmersham, and Oxford; on the 21st at Torquay; on the 23rd and 24th at Rodmersham; on the 25th at Torquay; and on the 30th at Rodmersham.

Lunar halos were seen in July on the 25th at Bolton.

In August on the 25th at Rodmersham.

In September on the 1st and 19th at Oxford; on the 21st at Bolton, Halifax, Bradford; on the 22nd at Stonyhurst; on the 24th at Oxford; and on the 29th at Halifax.

Aurora Boreales were seen in July on the 1st at Leicester; on the 21st at Leicester, Carlisle; on the 22nd at Carlisle; and on the 27th at Leicester.

In September on the 11th at Stonyhurst.

Snow fell in September on the 26th at Carlisle.

Hail fell in August, on the 6th at Whitechurch and Leicester; on the 7th at Oxford; on the 12th at Halifax; on the 20th at Rodmersham, Halifax. In September on the 3rd at Leicester, on the 5th at Burslem; on the 9th at Burslem and Halifax; on the 10th at Bolton; on the 11th at Liverpool; on the 24th at Liverpool, Bolton; on the 25th at Truro, Torquay, Halifax, Hull; on the 26th at Truro and Carlisle; on the 27th at Royston; and on the 30th at Halifax, Stonyhurst and Carlisle.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING SEPTEMBER 30TH, 1885.
The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the sixth edition of his Hygrometrical Tables.

| Year 1885. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | | | Mean Reading of Thermometer. | | Wind. | | | Rain. | | | | | | | |
|---------------|--------|--|---|-------------------------------------|--------|------------------------------|---------|--------|------------------------|-------|-------------------|------------------|-------|------------------------------------|--|----------------------------|----------------------|---------------------------|-------|----|----|----|-----|-----|------|----|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | | Mean. | All High- est. | All Low- est. | Mean. | Short of Saturation. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Relative Proportion of | | | | | | | | |
| | | | | | | | | N. | E. | | | | | | | | | S. | | W. | | | | | | |
| | July | 29-912 | GUERNSEY. ADOLPHUS COLLENETTE, Esq., F. R. Met. Soc. | 0-389 | 79-6 | 45-3 | 34-3 | 69-7 | 82-8 | 13-9 | 58-5 | 41-1 | 4-8 | 0-9 | 83 | 534 | 119-1 | 47-3 | 0-8 | 8 | 9 | 2 | 12 | 4-4 | 9 | |
| | Aug. | 29-983 | | 0-656 | 73-6 | 45-5 | 28-1 | 69-2 | 83-6 | 12-6 | 58-6 | 44-5 | 4-7 | 0-8 | 85 | 529 | 117-2 | 45-9 | 1-1 | 6 | 8 | 9 | 13 | 5-1 | 10 | |
| | Sept. | 29-959 | | 0-757 | 69-5 | 41-8 | 14-7 | 62-5 | 82-9 | 9-6 | 57-2 | 51-6 | 4-3 | 1-0 | 82 | 541 | 107-3 | 47-2 | 0-3 | 1 | 8 | 2 | 7 | 13 | 5-4 | 20 |
| | July | 29-018 | TRURO (Cornwall). N. WHITLEY, Esq., F. R. Met. Soc. | 0-456 | 80-0 | 48-0 | 31-0 | 71-6 | 80-8 | 13-9 | 58-5 | 41-1 | 4-7 | 0-8 | 84 | 535 | 119-1 | 47-3 | 0-8 | 8 | 9 | 2 | 12 | 4-4 | 9 | |
| | Aug. | 29-798 | | 0-656 | 73-6 | 45-3 | 35-1 | 69-2 | 83-6 | 12-6 | 58-6 | 44-5 | 4-7 | 0-8 | 85 | 535 | 117-2 | 45-9 | 1-1 | 6 | 8 | 9 | 13 | 5-1 | 10 | |
| | Sept. | 29-757 | | 0-831 | 70-0 | 40-0 | 40-0 | 64-0 | 84-0 | 15-1 | 54-9 | 51-7 | 4-4 | 0-6 | 89 | 535 | 115-4 | 43-0 | 1-6 | 5 | 3 | 7 | 15 | 5-5 | 21 | |
| | July | 29-063 | PLYMOUTH (Devon). J. MERRIFIELD, Esq., LL.D., F. R.A.S., F. R. Met. Soc. | 0-477 | 81-2 | 45-0 | 36-2 | 69-7 | 84-1 | 15-6 | 61-3 | 55-4 | 4-8 | 0-9 | 80 | 516 | 120-6 | 46-6 | 1-1 | 7 | 9 | 3 | 12 | 5-1 | 9 | |
| | Aug. | 29-880 | | 0-668 | 75-3 | 44-0 | 31-3 | 67-5 | 81-5 | 16-0 | 58-9 | 51-7 | 4-6 | 1-4 | 77 | 531 | 118-4 | 45-0 | 1-5 | 10 | 5 | 7 | 15 | 5-5 | 21 | |
| | Sept. | 29-822 | | 0-791 | 66-0 | 34-5 | 31-5 | 62-2 | 82-2 | 13-0 | 55-1 | 51-4 | 4-6 | 1-4 | 77 | 531 | 118-4 | 45-0 | 1-5 | 10 | 5 | 7 | 15 | 5-5 | 21 | |
| | July | 29-088 | TOTNES (Devon). T. H. EDMONDS, Esq. | 0-503 | 88-2 | 47-7 | 50-5 | 71-4 | 89-1 | 12-3 | 59-9 | 52-2 | 4-3 | 1-5 | 76 | 536 | 120-6 | 46-6 | 1-1 | 8 | 9 | 7 | 4 | 11 | 5-4 | 5 |
| | Aug. | 29-886 | | 0-692 | 80-3 | 48-8 | 41-5 | 69-2 | 84-1 | 15-6 | 61-3 | 55-4 | 4-7 | 0-9 | 80 | 516 | 120-6 | 46-6 | 1-1 | 8 | 9 | 7 | 4 | 11 | 5-4 | 5 |
| | Sept. | 29-816 | | 0-792 | 70-2 | 38-3 | 41-0 | 64-3 | 84-3 | 15-1 | 54-9 | 49-5 | 4-3 | 1-0 | 79 | 536 | 115-4 | 43-0 | 1-6 | 5 | 3 | 7 | 15 | 5-5 | 21 | |
| | July | 29-876 | TORQUAY (Bathacombe (Devon)). ERWIN F. GLADY, Esq., F. R. Met. Soc. | 0-532 | 85-6 | 44-9 | 40-7 | 69-4 | 85-6 | 15-8 | 60-7 | 59-4 | 4-6 | 1-1 | 83 | 531 | 120-6 | 46-6 | 1-1 | 8 | 9 | 4 | 10 | 3-7 | 5-8 | |
| | Aug. | 29-667 | | 0-716 | 80-6 | 44-7 | 35-9 | 69-5 | 81-8 | 14-7 | 58-4 | 50-0 | 4-1 | 1-4 | 74 | 530 | 123-0 | 45-0 | 1-5 | 9 | 4 | 10 | 3-7 | 5-8 | 13 | |
| | Sept. | 29-586 | | 1-273 | 67-8 | 36-0 | 31-8 | 62-5 | 82-5 | 14-9 | 56-6 | 49-5 | 4-3 | 1-0 | 80 | 531 | 115-4 | 43-0 | 1-6 | 5 | 3 | 7 | 15 | 5-5 | 21 | |
| | July | 29-070 | VENTNOR, (Isle of Wight) (Royal National Hospital for Consumption). HARTLEY SAGAR, Esq. | 0-491 | 83-0 | 46-6 | 33-4 | 68-7 | 85-7 | 13-0 | 60-5 | 53-4 | 4-6 | 1-4 | 78 | 535 | 119-1 | 47-3 | 0-8 | 6 | 9 | 5 | 11 | 5-3 | 4 | |
| | Aug. | 29-860 | | 0-680 | 75-8 | 45-5 | 30-3 | 67-4 | 82-7 | 12-7 | 59-2 | 50-4 | 4-6 | 1-4 | 78 | 535 | 119-1 | 47-3 | 0-8 | 6 | 9 | 5 | 11 | 5-3 | 4 | |
| | Sept. | 29-778 | | 0-791 | 69-6 | 36-6 | 33-0 | 64-3 | 82-6 | 13-5 | 55-8 | 50-1 | 4-0 | 1-1 | 77 | 534 | 116-1 | 45-1 | 1-0 | 6 | 10 | 9 | 6 | 10 | 6 | |
| | July | 29-993 | OSBORNE (Isle of Wight). J. R. MANN, Esq. | 0-468 | 81-2 | 45-0 | 48-9 | 74-6 | 82-8 | 21-8 | 61-6 | 55-9 | 4-7 | 1-0 | 81 | 532 | 121-4 | 35-0 | 0-1 | 5 | 11 | 10 | 3-8 | 6 | 0-71 | |
| | Aug. | 29-786 | | 0-656 | 73-6 | 45-3 | 36-2 | 71-1 | 81-7 | 19-4 | 59-5 | 52-0 | 4-3 | 1-4 | 77 | 531 | 120-2 | 50-1 | 0-4 | 8 | 7 | 9 | 5-0 | 12 | 0-45 | |
| | Sept. | 29-726 | | 0-845 | 72-7 | 38-0 | 36-7 | 64-9 | 84-4 | 15-5 | 55-6 | 53-1 | 4-0 | 0-4 | 91 | 533 | 116-1 | 45-1 | 0-2 | 6 | 1 | 12 | 11 | 6-9 | 4-95 | |
| | July | 29-069 | SOUTHBORNE, (near) Bourne- mouth (Hants). T. A. COMPTON, Esq., M.D., E.A., F. R. Met. Soc. | 0-510 | 82-9 | 44-0 | 40-0 | 69-5 | 81-7 | 17-8 | 59-7 | 52-1 | 4-4 | 1-4 | 76 | 535 | 119-1 | 47-3 | 0-8 | 6 | 9 | 5 | 11 | 5-3 | 4 | |
| | Aug. | 29-829 | | 0-682 | 75-4 | 41-2 | 34-2 | 64-2 | 81-7 | 14-7 | 58-0 | 48-9 | 3-8 | 1-4 | 75 | 533 | 119-1 | 47-3 | 0-8 | 6 | 9 | 5 | 11 | 5-3 | 4 | |
| | Sept. | 29-791 | | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 81-9 | 13-5 | 53-8 | 49-8 | 4-0 | 1-0 | 80 | 535 | 115-4 | 43-0 | 1-6 | 5 | 3 | 7 | 15 | 5-5 | 21 | |
| | April | 29-571 | BRIGHTON. F. E. SAWYER, Esq., F.S.A., F. R. Met. Soc. | 1-035 | 65-3 | 30-0 | 28-0 | 55-6 | 80-0 | 14-6 | 46-8 | 38-9 | 3-7 | 1-0 | 74 | 541 | 101-9 | 38-0 | 0-9 | 4 | 3 | 7 | 6 | 4-9 | 0-83 | |
| | May | 29-623 | | 0-823 | 75-5 | 43-5 | 32-5 | 66-6 | 81-5 | 15-1 | 57-8 | 49-9 | 4-0 | 1-4 | 70 | 533 | 107-6 | 46-4 | 1-4 | 7 | 8 | 8 | 7 | 7-8 | 3-00 | |
| | June | 29-817 | | 0-853 | 75-5 | 43-5 | 32-5 | 66-6 | 81-5 | 15-1 | 57-8 | 49-9 | 4-0 | 1-4 | 70 | 533 | 107-6 | 46-4 | 1-4 | 7 | 8 | 8 | 7 | 7-8 | 3-00 | |
| | July | 29-996 | | 0-438 | 84-4 | 48-3 | 37-0 | 70-5 | 81-0 | 13-0 | 61-3 | 51-1 | 3-5 | 1-1 | 79 | 533 | 107-7 | 47-5 | 1-0 | 5 | 5 | 3 | 11 | 5-4 | 8 | |
| | Aug. | 29-786 | | 0-656 | 73-6 | 45-3 | 35-1 | 69-2 | 83-6 | 12-6 | 58-6 | 44-5 | 4-7 | 0-8 | 85 | 535 | 117-2 | 45-9 | 1-1 | 6 | 8 | 9 | 13 | 5-1 | 10 | |
| | Sept. | 29-694 | | 0-733 | 70-0 | 38-0 | 36-0 | 63-1 | 83-3 | 15-0 | 58-4 | 50-9 | 4-2 | 0-9 | 81 | 532 | 109-0 | 43-7 | 1-5 | 8 | 3 | 9 | 10 | 5-7 | 4-23 | |
| | July | 29-983 | SALISBURY (Wilton House), Wills, Thomas Challis, Esq. | 0-540 | 84-0 | 45-0 | 39-0 | 79-0 | 81-2 | 11-7 | 61-7 | 54-3 | 4-5 | 1-2 | 83 | 531 | 120-6 | 46-6 | 1-1 | 9 | 6 | 10 | 6 | 4-8 | 0-15 | |
| | Aug. | 29-753 | | 0-634 | 83-0 | 47-0 | 47-0 | 71-6 | 84-2 | 12-7 | 57-5 | 50-2 | 3-9 | 1-2 | 77 | 532 | 113-3 | 42-2 | 1-1 | 11 | 8 | 10 | 6 | 5-8 | 12 | |
| | Sept. | 29-682 | | 0-814 | 72-0 | 27-0 | 45-0 | 65-0 | 83-2 | 14-9 | 56-6 | 49-5 | 4-3 | 1-0 | 80 | 534 | 116-1 | 45-1 | 0-2 | 9 | 2 | 9 | 10 | 6-6 | 4-30 | |

| Year 1885. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | | Rain. | | | |
|---|--|------------------------------------|----------------------------------|----------------------------------|--------|------|------------------------------|----------|--------|-------------------|----------------|-------------------------|----------------------|------------------------------|----------------|-------|-------|-------------------|-------------------------|---------------------|-------|------------------------|------|------|
| | | | | Mean. | Range. | In. | Lowest. | Highest. | Range. | Mean | | In a Cubic foot of Air. | Short of Saturation. | Mean. | Elastic Force. | In. | grs. | Minimum on Grass. | Maximum in Rays of Sun. | Estimated Strength. | | Relative Proportion of | | |
| | | | | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | | | | | % | E. | S. |
| EASTBOURNE. Miss W. L. HALL. | Mar. | 29-017 | 1-340 | 55-0 | 28-4 | 52-6 | 47-9 | 54-8 | 13-1 | 36-8 | 2-18 | 2-5 | 0-7 | 21-8 | 92-4 | 0-3 | 12 | 10 | 5 | 4 | 8-8 | 10 | 2-87 | |
| | April | 29-740 | 1-032 | 69-9 | 30-1 | 36-5 | 43-5 | 43-0 | 13-0 | 46-7 | 44-0 | 3-5 | 0-5 | 24-5 | 144-7 | 0-3 | 8 | 8 | 0 | 10 | 13 | 0-4 | 2-87 | |
| | May | 29-777 | 0-814 | 69-4 | 33-2 | 34-2 | 43-7 | 44-9 | 11-4 | 48-9 | 45-1 | 4-8 | 0-8 | 47-3 | 118-0 | 0-4 | 4 | 16 | 7 | 6 | 0-4 | 0-78 | | |
| | June | 29-983 | 0-790 | 78-0 | 40-5 | 37-5 | 48-3 | 48-5 | 8-8 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| | July | 29-100 | 0-402 | 81-1 | 44-3 | 42-8 | 61-3 | 62-5 | 8-6 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| | Aug. | 29-829 | 0-682 | 74-4 | 41-2 | 34-2 | 64-2 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Sept. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Oct. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Nov. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Dec. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | BARNSTAPLE (Devon). WILLIAM KNILL, Esq. | Mar. | 29-169 | 0-530 | 90-0 | 45-2 | 44-5 | 73-3 | 80-9 | 13-4 | 64-6 | 54-1 | 4-20 | 4-8 | 1-7 | 75 | 831 | 117-0 | 40-6 | 1-1 | 8 | 12 | 2-7 | 0-94 |
| | | April | 29-740 | 1-032 | 69-9 | 30-1 | 36-5 | 43-5 | 43-0 | 13-0 | 46-7 | 44-0 | 3-5 | 0-5 | 24-5 | 144-7 | 0-3 | 8 | 8 | 0 | 10 | 13 | 0-4 | 2-87 |
| May | | 29-777 | 0-814 | 69-4 | 33-2 | 34-2 | 43-7 | 44-9 | 11-4 | 48-9 | 45-1 | 4-8 | 0-8 | 47-3 | 118-0 | 0-4 | 4 | 16 | 7 | 6 | 0-4 | 0-78 | | |
| June | | 29-983 | 0-790 | 78-0 | 40-5 | 37-5 | 48-3 | 48-5 | 8-8 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| July | | 29-100 | 0-402 | 81-1 | 44-3 | 42-8 | 61-3 | 62-5 | 8-6 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| Aug. | | 29-829 | 0-682 | 74-4 | 41-2 | 34-2 | 64-2 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Sept. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Oct. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Nov. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Dec. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| BATH (Somerset). St. Gregory's College, Bath, and O.S.B. RODMERSHAM, near Sittingbourne (Kent). R. M. MERRICK, Esq., F.R. Met. Soc. | | Mar. | 29-169 | 0-530 | 90-0 | 45-2 | 44-5 | 73-3 | 80-9 | 13-4 | 64-6 | 54-1 | 4-20 | 4-8 | 1-7 | 75 | 831 | 117-0 | 40-6 | 1-1 | 8 | 12 | 2-7 | 0-94 |
| | | April | 29-740 | 1-032 | 69-9 | 30-1 | 36-5 | 43-5 | 43-0 | 13-0 | 46-7 | 44-0 | 3-5 | 0-5 | 24-5 | 144-7 | 0-3 | 8 | 8 | 0 | 10 | 13 | 0-4 | 2-87 |
| | May | 29-777 | 0-814 | 69-4 | 33-2 | 34-2 | 43-7 | 44-9 | 11-4 | 48-9 | 45-1 | 4-8 | 0-8 | 47-3 | 118-0 | 0-4 | 4 | 16 | 7 | 6 | 0-4 | 0-78 | | |
| | June | 29-983 | 0-790 | 78-0 | 40-5 | 37-5 | 48-3 | 48-5 | 8-8 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| | July | 29-100 | 0-402 | 81-1 | 44-3 | 42-8 | 61-3 | 62-5 | 8-6 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| | Aug. | 29-829 | 0-682 | 74-4 | 41-2 | 34-2 | 64-2 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Sept. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Oct. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Nov. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Dec. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | MARLBOROUGH (Wilts). F.R. Met. Soc. REV. THOMAS A. PRESTON, M.A., F.R. Met. Soc. | Mar. | 29-169 | 0-530 | 90-0 | 45-2 | 44-5 | 73-3 | 80-9 | 13-4 | 64-6 | 54-1 | 4-20 | 4-8 | 1-7 | 75 | 831 | 117-0 | 40-6 | 1-1 | 8 | 12 | 2-7 | 0-94 |
| | | April | 29-740 | 1-032 | 69-9 | 30-1 | 36-5 | 43-5 | 43-0 | 13-0 | 46-7 | 44-0 | 3-5 | 0-5 | 24-5 | 144-7 | 0-3 | 8 | 8 | 0 | 10 | 13 | 0-4 | 2-87 |
| May | | 29-777 | 0-814 | 69-4 | 33-2 | 34-2 | 43-7 | 44-9 | 11-4 | 48-9 | 45-1 | 4-8 | 0-8 | 47-3 | 118-0 | 0-4 | 4 | 16 | 7 | 6 | 0-4 | 0-78 | | |
| June | | 29-983 | 0-790 | 78-0 | 40-5 | 37-5 | 48-3 | 48-5 | 8-8 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| July | | 29-100 | 0-402 | 81-1 | 44-3 | 42-8 | 61-3 | 62-5 | 8-6 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| Aug. | | 29-829 | 0-682 | 74-4 | 41-2 | 34-2 | 64-2 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Sept. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Oct. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Nov. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Dec. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| BLACKHEATH (Kent). JAMES GLAUBER, Esq., F.R.S. | | Mar. | 29-169 | 0-530 | 90-0 | 45-2 | 44-5 | 73-3 | 80-9 | 13-4 | 64-6 | 54-1 | 4-20 | 4-8 | 1-7 | 75 | 831 | 117-0 | 40-6 | 1-1 | 8 | 12 | 2-7 | 0-94 |
| | | April | 29-740 | 1-032 | 69-9 | 30-1 | 36-5 | 43-5 | 43-0 | 13-0 | 46-7 | 44-0 | 3-5 | 0-5 | 24-5 | 144-7 | 0-3 | 8 | 8 | 0 | 10 | 13 | 0-4 | 2-87 |
| | May | 29-777 | 0-814 | 69-4 | 33-2 | 34-2 | 43-7 | 44-9 | 11-4 | 48-9 | 45-1 | 4-8 | 0-8 | 47-3 | 118-0 | 0-4 | 4 | 16 | 7 | 6 | 0-4 | 0-78 | | |
| | June | 29-983 | 0-790 | 78-0 | 40-5 | 37-5 | 48-3 | 48-5 | 8-8 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| | July | 29-100 | 0-402 | 81-1 | 44-3 | 42-8 | 61-3 | 62-5 | 8-6 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| | Aug. | 29-829 | 0-682 | 74-4 | 41-2 | 34-2 | 64-2 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Sept. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Oct. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Nov. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | Dec. | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| | ROYAL OBSERVATORY, Greenwich. W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. WHITCHURCH RECTORY (Oxon). (near Reading). REV. J. SLATER, M.A., F.R. Met. Soc. | Mar. | 29-169 | 0-530 | 90-0 | 45-2 | 44-5 | 73-3 | 80-9 | 13-4 | 64-6 | 54-1 | 4-20 | 4-8 | 1-7 | 75 | 831 | 117-0 | 40-6 | 1-1 | 8 | 12 | 2-7 | 0-94 |
| | | April | 29-740 | 1-032 | 69-9 | 30-1 | 36-5 | 43-5 | 43-0 | 13-0 | 46-7 | 44-0 | 3-5 | 0-5 | 24-5 | 144-7 | 0-3 | 8 | 8 | 0 | 10 | 13 | 0-4 | 2-87 |
| May | | 29-777 | 0-814 | 69-4 | 33-2 | 34-2 | 43-7 | 44-9 | 11-4 | 48-9 | 45-1 | 4-8 | 0-8 | 47-3 | 118-0 | 0-4 | 4 | 16 | 7 | 6 | 0-4 | 0-78 | | |
| June | | 29-983 | 0-790 | 78-0 | 40-5 | 37-5 | 48-3 | 48-5 | 8-8 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| July | | 29-100 | 0-402 | 81-1 | 44-3 | 42-8 | 61-3 | 62-5 | 8-6 | 58-3 | 51-2 | 3-77 | 1-1 | — | 119-3 | — | 0-3 | 2 | 0 | 8 | 12 | 2-0 | 0-80 | |
| Aug. | | 29-829 | 0-682 | 74-4 | 41-2 | 34-2 | 64-2 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Sept. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Oct. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Nov. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| Dec. | | 29-791 | 0-790 | 67-4 | 32-5 | 31-9 | 63-1 | 63-1 | 15-7 | 55-6 | 48-6 | 3-84 | 3-8 | 1-1 | 78 | 527 | 119-5 | — | 1-7 | 0 | 7 | 8 | 2-48 | |
| OXFORD (The Observatory). E. J. STONE, Esq., M.A., F.R.S. ROYSTON (Hertfordshire). H. F. WOOD, Esq., F.R.A.S., F.R. Met. Soc. | | Mar. | 29-169 | 0-530 | 90-0 | 45-2 | 44-5 | 73-3 | | | | | | | | | | | | | | | | |

| Year 1885. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Mean Amount of Cloud. | | Rain. Number of Days it fell. | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------|------------------------------------|----------------------------------|---------------------------|--------|------------------------------|---------|--------|-----------------|-------------------|--------------|---------|------------|------------------------------|-------|----------------------|--------------------------|-------------------------------------|-------------------------|-------------------------------|-------------------|-------------------|---------------------|------------------------|----|-----------------------|-------------------------|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | | | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | Mean Amount of Cloud. | Number of Days it fell. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | N. | E. | | | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | feet. | | In. | In. | ° | ° | ° | ° | ° | ° | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | °</ |

| Year 1885. | Months. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Tem- perature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | | | | | | | | |
|---------------|---------|---------------------------------------|--|--|--------|------------------------------|---------|--------|-----------------|------------------------|------|------------|----------------|-------------------------------------|-------------------------|---|--|----------------------------|----------------------|-----------------------|---------------------------|----|------|--------------------------|--------------------------|----------------------------|------------------------|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean | | Air. | Dew Point. | Elastic Force. | Mean. In a cubic foot of Air. | Short of Saturation. | Mean Degree of Humi- dity, Sat. = 100. | Mean Weight of a cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | Estimated Strength | Relative Proportion of | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. |
| | | | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | | | | | Daily Range. | %. | °. | | | | |
| | | feet. | | In. | In. | ° | ° | ° | ° | ° | In. | grs. | grs. | ° | ° | ° | 7 | ° | 12 | ° | 5.5 | 9 | in. | | | | |
| | July | 29-160 | HULL (Yorkshire), The People's Park, MR. E. FRANK. | 0.782 | 0.782 | 84.0 | 44.0 | 40.0 | 68.9 | 31.4 | 37.5 | 29.3 | 4.2 | 3.4 | 55 | 387 | 58.0 | 49.5 | 1.2 | 0 | 1.4 | 9 | 0.56 | | | | |
| | Aug. | 29-164 | | 0.860 | 0.860 | 74.0 | 38.0 | 36.0 | 62.5 | 47.9 | 14.6 | 54.7 | 4.1 | 3.53 | 55 | 389 | 88.0 | 46.5 | 1.4 | 0 | 1.4 | 9 | 2.01 | | | | |
| | Sept. | 29-169 | | 0.920 | 0.920 | 71.0 | 32.0 | 29.0 | 61.2 | 44.6 | 16.6 | 52.2 | 4.7 | 2.95 | 56 | 359 | 85.8 | 42.1 | 1.6 | 0 | 1.5 | 17 | 2.46 | | | | |
| | July | 29-779 | STONYPURST (Lancashire), REV. S. J. PERRY, F.R.S. | 0.703 | 0.703 | 80.8 | 38.9 | 41.9 | 68.9 | 40.3 | 19.6 | 57.5 | 3.9 | 3.91 | 4.3 | 0.9 | 83 | 552 | 125.5 | 4.4 | 0 | 0 | 10 | 2.40 | | | |
| | Aug. | 29-782 | | 0.831 | 0.831 | 74.1 | 35.9 | 37.2 | 64.0 | 46.1 | 17.9 | 54.1 | 4.7 | 3.29 | 3.7 | 1.1 | 78 | 533 | 118.3 | 4.5 | 0 | 0 | 10 | 2.60 | | | |
| | Sept. | 29-435 | | 0.977 | 0.977 | 68.2 | 29.8 | 28.4 | 60.8 | 43.4 | 17.4 | 61.4 | 4.5 | 3.07 | 5.5 | 0.8 | 81 | 533 | 116.3 | 4.5 | 0 | 0 | 22 | 2.25 | | | |
| | July | 29-764 | BRADFORD (Yorkshire), J. McGLANDOROUGH, Esq., C.E., F.O.S. | 0.681 | 0.681 | 82.2 | 41.8 | 37.4 | 69.0 | 32.8 | 20.2 | 40.2 | 3.0 | 4.20 | 4.3 | 0.9 | 70 | 631 | 92.1 | 0.3 | 0 | 0 | 7 | 0.77 | | | |
| | Aug. | 29-768 | | 0.824 | 0.824 | 71.0 | 43.0 | 39.0 | 63.2 | 40.6 | 12.6 | 54.5 | 4.0 | 3.10 | 3.5 | 1.3 | 73 | 539 | 81.7 | 0.8 | 0 | 0 | 9 | 0.78 | | | |
| | Sept. | 29-408 | | 1.031 | 1.031 | 70.0 | 35.0 | 35.0 | 60.0 | 45.6 | 13.3 | 52.5 | 4.5 | 2.90 | 3.4 | 1.0 | 77 | 532 | 81.1 | 0.9 | 0 | 0 | 22 | 2.89 | | | |
| | July | 29-009 | LEEDS (Yorkshire), The Philosophical Hall, | 0.712 | 0.712 | 84.0 | 45.0 | 42.0 | 67.0 | 53.4 | 17.0 | 60.7 | 3.0 | 3.74 | 4.1 | 1.4 | 69 | 533 | 101.1 | 1.4 | 0 | 0 | 6 | 0.89 | | | |
| | Aug. | 29-822 | | 0.892 | 0.892 | 77.0 | 42.0 | 35.0 | 64.6 | 30.2 | 14.4 | 55.5 | 4.7 | 3.54 | 3.8 | 1.2 | 75 | 546 | 94.4 | 1.3 | 0 | 0 | 10 | 0.85 | | | |
| | Sept. | — | | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | |
| | July | 29-027 | HENRY CROWTHER, Esq. | 0.780 | 0.780 | 80.0 | 46.0 | 54.0 | 65.0 | 32.6 | 15.4 | 58.2 | 3.7 | 3.77 | 4.2 | 1.3 | 78 | 556 | — | — | — | 12 | 2.07 | | | | |
| | Aug. | 29-831 | | 0.822 | 0.822 | 73.0 | 39.0 | 33.0 | 64.1 | 44.0 | 13.5 | 55.7 | 4.9 | 3.55 | 4.0 | 1.0 | 81 | 536 | 92.5 | — | — | 18 | 3.08 | | | | |
| | Sept. | 29-677 | LANCASTER (Southfields), WILLIAM ROYCE, Esq., F.R. Met. Soc. | 0.874 | 0.874 | 69.0 | 33.0 | 25.0 | 59.7 | 47.0 | 12.7 | 62.6 | 4.8 | 3.93 | 3.8 | 0.7 | 84 | 536 | — | — | — | 20 | 4.36 | | | | |
| | July | 29-994 | | 0.844 | 0.844 | 82.2 | 40.8 | 41.9 | 70.7 | 48.9 | 21.8 | 58.4 | 3.1 | 3.82 | 4.5 | 1.3 | 78 | 535 | 105.8 | — | — | 10 | 1.98 | | | | |
| | Aug. | 29-832 | CARLISLE, Spital (Cumberland), ISAAC CARTNELL, Esq., F.R. Met. Soc. | 1.044 | 1.044 | 73.8 | 31.8 | 42.0 | 63.7 | 46.6 | 19.1 | 54.6 | 4.0 | 3.48 | 3.7 | 0.9 | 81 | 537 | 96.0 | 0.7 | 0 | 16 | 3.15 | | | | |
| | Sept. | 29-650 | | 1.058 | 1.058 | 70.3 | 26.5 | 43.8 | 61.0 | 43.7 | 18.2 | 52.2 | 4.2 | 3.63 | 3.1 | 1.3 | 69 | 559 | 90.8 | 0.9 | 0 | 16 | 5.92 | | | | |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Number of Days on which it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | 29.619 | 79.6 | 44.8 | 34.8 | 65.1 | 53.1 | 25.7 | 12.0 | 58.1 | 53.2 | 4.06 | 4.6 | 0.9 | 83 | 533 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 11 | 2.5 | 5.1 | 42 | 6.78 |
| Truro | 29.616 | 80.0 | 30.0 | 39.0 | 68.5 | 49.4 | 43.0 | 19.1 | 66.9 | 51.9 | 3.88 | 4.4 | 0.9 | 83 | 534 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 11 | 2.5 | 5.1 | 42 | 6.78 |
| Plymouth | 29.605 | 81.2 | 34.5 | 16.7 | 66.5 | 51.6 | 33.0 | 14.9 | 58.4 | 52.8 | 4.01 | 4.5 | 1.0 | 81 | 528 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 11 | 2.5 | 5.3 | 43 | 10.14 |
| Totnes | 29.685 | 83.2 | 28.3 | 39.9 | 63.3 | 47.3 | 44.6 | 21.0 | 57.7 | 50.3 | 3.65 | 4.0 | 1.3 | 76 | 533 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 11 | 2.5 | 5.7 | 40 | 7.33 |
| Torquay | 29.671 | 85.6 | 36.0 | 19.6 | 66.1 | 51.8 | 33.1 | 14.4 | 58.2 | 50.0 | 3.61 | 4.0 | 1.4 | 74 | 531 | 121.7 | 44.9 | 1.4 | 7 | 7 | 5 | 11 | 4.6 | 5.6 | 38 | 6.27 |
| Ventnor | 29.619 | 85.0 | 36.6 | 16.4 | 64.5 | 54.2 | 32.2 | 12.2 | 58.8 | 51.3 | 3.78 | 4.9 | 1.4 | 76 | 534 | 114.5 | 46.8 | 1.0 | 6 | 7 | 7 | 10 | 1 | 5.7 | 51 | 4.89 |
| Osborne | 29.613 | 84.5 | 36.0 | 13.5 | 70.2 | 51.3 | 34.0 | 18.9 | 58.9 | 53.7 | 4.13 | 4.6 | 1.0 | 83 | 532 | 116.0 | 50.1 | 0.2 | 6 | 4 | 11 | 9 | 1 | 5.2 | 37 | 5.82 |
| Southbourne | 29.635 | 82.9 | 32.5 | 50.4 | 66.7 | 50.4 | 36.0 | 16.3 | 57.8 | 50.3 | 3.66 | 4.1 | 1.3 | 86 | 534 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 11 | 2.5 | 4.5 | 33 | 4.50 |
| Brighton | 29.674 | 84.4 | 34.0 | 19.0 | 66.9 | 52.0 | 33.4 | 14.9 | 58.8 | 51.0 | 3.69 | 4.2 | 1.4 | 75 | 532 | 104.2 | 45.6 | 1.3 | 7 | 5 | 8 | 11 | 1 | 5.0 | 33 | 5.32 |
| Salisbury | 29.634 | 84.0 | 37.0 | 67.0 | 71.9 | 45.1 | 49.0 | 26.8 | 55.9 | 51.7 | 3.87 | 4.0 | 1.1 | 80 | 532 | 113.0 | 43.3 | 1.1 | 10 | 5 | 10 | 6 | 1 | 5.7 | 45 | 5.45 |
| Barnstaple | 29.635 | 80.0 | 38.0 | 52.0 | 69.4 | 55.9 | 37.3 | 13.5 | 63.8 | 52.6 | 3.98 | 4.5 | 1.4 | 76 | 532 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 11 | 2.5 | 5.2 | 36 | 8.38 |
| Rodmersham | 29.655 | 87.1 | 30.0 | 17.1 | 67.2 | 48.1 | 43.0 | 19.1 | 66.7 | 49.4 | 3.65 | 3.9 | 1.1 | 86 | 529 | 124.6 | 42.7 | 0.7 | 9 | 8 | 6 | 10 | 1 | 5.0 | 38 | 5.81 |
| Marlborough | 29.655 | 87.1 | 30.0 | 17.1 | 67.2 | 48.1 | 43.0 | 19.1 | 66.7 | 49.4 | 3.65 | 3.9 | 1.1 | 86 | 529 | 124.6 | 42.7 | 0.7 | 9 | 8 | 6 | 10 | 1 | 5.0 | 41 | 5.83 |
| Blackheath | 29.635 | 87.1 | 35.0 | 31.6 | 69.3 | 51.0 | 37.7 | 18.3 | 68.0 | 50.6 | 3.70 | 4.1 | 1.4 | 74 | 532 | 112.3 | 43.3 | 1.0 | 6 | 8 | 6 | 11 | 1 | 5.2 | 31 | 5.51 |
| Royal Observatory | 29.627 | 90.2 | 30.0 | 19.6 | 70.5 | 49.4 | 43.8 | 20.7 | 69.1 | 51.3 | 3.79 | 4.2 | 1.4 | 76 | 531 | 126.6 | 42.1 | 1.1 | 10 | 5 | 10 | 6 | 1 | 5.2 | 37 | 5.82 |
| Camden Square | 29.652 | 90.4 | 33.7 | 36.7 | 70.2 | 51.4 | 39.0 | 18.8 | 68.4 | 49.2 | 3.32 | 3.9 | 1.6 | 72 | 534 | 106.7 | 46.2 | 1.1 | 9 | 8 | 6 | 8 | 1 | 5.7 | 37 | 5.67 |
| Barnet | 29.688 | 88.9 | 27.7 | 20.0 | 69.5 | 46.5 | 47.1 | 23.0 | 67.1 | 49.6 | 3.55 | 4.0 | 1.3 | 76 | 534 | 122.5 | 43.2 | 0.7 | 9 | 8 | 3 | 11 | 1 | 5.6 | 29 | 5.28 |
| Oxford | 29.634 | 85.8 | 32.9 | 33.6 | 67.6 | 50.2 | 40.3 | 17.3 | 63.7 | 50.4 | 3.67 | 4.1 | 1.5 | 75 | 532 | 115.8 | 43.9 | 2.5 | 8 | 5 | 8 | 9 | 4.1 | 5.7 | 10 | 6.07 |
| Royston | 29.631 | 87.6 | 32.5 | 15.1 | 68.7 | 49.4 | 41.5 | 19.3 | 67.0 | 50.5 | 3.69 | 4.1 | 1.1 | 77 | 533 | 114.5 | 46.8 | 1.0 | 7 | 6 | 7 | 9 | 1 | 5.6 | 32 | 5.42 |
| Cardington | 29.621 | 91.2 | 30.5 | 10.7 | 70.5 | 45.9 | 43.0 | 22.2 | 68.0 | 51.0 | 3.75 | 4.2 | 1.2 | 78 | 535 | 130.6 | 43.8 | 2.5 | 5 | 8 | 5 | 13 | 1 | 5.9 | 38 | 4.73 |
| Cambridge | 29.621 | 91.2 | 30.5 | 10.7 | 70.5 | 45.9 | 43.0 | 22.2 | 68.0 | 51.0 | 3.75 | 4.2 | 1.2 | 78 | 535 | 130.6 | 43.8 | 2.5 | 5 | 8 | 5 | 13 | 1 | 5.9 | 38 | 4.73 |
| Rugby | 29.611 | 90.8 | 26.8 | 14.0 | 68.6 | 44.8 | 46.3 | 21.8 | 66.7 | 50.9 | 3.62 | 4.1 | 1.1 | 81 | 531 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 9 | 1 | 5.7 | 38 | 4.73 |
| Lowestoft | 29.646 | 76.7 | 32.7 | 14.0 | 64.8 | 50.9 | 38.2 | 13.9 | 67.2 | 49.6 | 3.66 | 4.0 | 1.3 | 86 | 535 | 112.6 | 47.1 | 1.9 | 6 | 8 | 7 | 9 | 1 | 6.3 | 42 | 6.36 |
| Somerleyton | 29.627 | 79.8 | 33.0 | 15.8 | 64.9 | 49.9 | 37.6 | 15.0 | 66.3 | 49.2 | 3.84 | 4.1 | 1.0 | 79 | 533 | 114.5 | 46.8 | 1.0 | 7 | 6 | 7 | 9 | 6.3 | 5.6 | 43 | 6.30 |
| Wolverhampton | 29.701 | 84.3 | 28.0 | 13.7 | 65.0 | 46.5 | 40.5 | 18.4 | 64.4 | 47.6 | 3.31 | 3.8 | 1.1 | 78 | 531 | 114.5 | 46.8 | 1.0 | 7 | 6 | 7 | 10 | 1 | 5.7 | 38 | 6.56 |
| Leicester | 29.611 | 94.8 | 31.6 | 19.2 | 68.3 | 49.7 | 43.0 | 18.5 | 67.9 | 50.7 | 3.71 | 4.1 | 1.3 | 78 | 531 | 113.8 | 40.8 | 0.7 | 9 | 5 | 8 | 9 | 1 | 5.8 | 35 | 6.23 |
| Nottingham | 29.637 | 89.1 | 31.6 | 17.5 | 65.9 | 49.9 | 41.5 | 16.0 | 66.7 | 48.4 | 3.41 | 3.8 | 1.3 | 74 | 535 | 118.7 | 44.2 | 0.2 | 4 | 7 | 11 | 9 | 0.5 | 6.0 | 46 | 6.42 |
| Burslem | 29.651 | 89.0 | 32.6 | 19.4 | 63.1 | 48.7 | 35.4 | 14.4 | 54.7 | 48.5 | 3.42 | 3.8 | 1.0 | 79 | 528 | 114.5 | 46.8 | 1.0 | 7 | 6 | 7 | 10 | 1 | 6.1 | 50 | 6.60 |
| Llandudno | 29.616 | 75.4 | 40.2 | 35.2 | 63.0 | 51.7 | 27.4 | 11.4 | 56.8 | 49.4 | 3.33 | 4.0 | 1.2 | 75 | 535 | 114.5 | 46.8 | 1.0 | 7 | 6 | 5 | 15 | 1 | 6.3 | 35 | 5.35 |
| Liverpool | 29.649 | 74.8 | 38.7 | 16.2 | 63.2 | 51.5 | 27.4 | 11.6 | 56.0 | 47.9 | 3.33 | 3.7 | 1.3 | 74 | 534 | 114.5 | 46.8 | 1.0 | 7 | 6 | 7 | 14 | 1 | 5.1 | 43 | 8.23 |
| Bolton | 29.635 | 79.7 | 31.9 | 17.8 | 64.6 | 47.0 | 36.8 | 15.7 | 53.6 | 47.4 | 3.28 | 3.7 | 0.9 | 89 | 531 | 85.1 | 45.0 | 0.6 | 7 | 8 | 7 | 10 | 2.8 | 6.7 | 50 | 11.52 |
| Halifax | 29.694 | 77.0 | 33.0 | 14.0 | 61.4 | 46.5 | 40.2 | 17.9 | 54.0 | 47.3 | 3.27 | 3.7 | 1.1 | 78 | 531 | 99.8 | 42.8 | 1.0 | 5 | 7 | 8 | 11 | 1 | 6.2 | 43 | 5.78 |
| Hull | 29.659 | 84.0 | 32.0 | 13.0 | 64.2 | 48.0 | 38.3 | 16.2 | 65.4 | 47.9 | 3.35 | 3.8 | 1.2 | 75 | 538 | 90.4 | 46.0 | 1.4 | 9 | 7 | 7 | 12 | 1 | 5.5 | 32 | 5.03 |
| Stonyhurst | 29.659 | 80.8 | 29.8 | 51.0 | 64.6 | 46.6 | 39.2 | 18.3 | 54.3 | 48.8 | 3.42 | 3.8 | 0.9 | 81 | 533 | 122.3 | 43.9 | 1.1 | 6 | 5 | 4 | 16 | 1 | 7.3 | 42 | 10.25 |
| Bradford | 29.654 | 82.2 | 35.0 | 17.2 | 63.7 | 49.7 | 33.8 | 14.1 | 55.4 | 46.7 | 3.30 | 3.6 | 1.3 | 73 | 532 | 85.0 | 41.0 | 0.7 | 8 | 6 | 6 | 10 | 1 | 6.4 | 38 | 4.44 |
| Lancaster | 29.613 | 80.0 | 33.0 | 17.0 | 63.3 | 49.3 | 33.5 | 13.7 | 55.4 | 49.6 | 3.56 | 4.0 | 1.0 | 81 | 536 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 12 | 1 | 6.4 | 38 | 4.44 |
| Carlisle | 29.608 | 82.2 | 26.5 | 15.7 | 66.1 | 46.4 | 42.6 | 19.7 | 55.1 | 47.6 | 3.33 | 3.8 | 1.2 | 76 | 536 | 97.5 | 41.0 | 0.7 | 4 | 8 | 4 | 15 | 2.6 | 7.4 | 31 | 8.78 |

The highest temperatures of the air were at Osborne, 94° 5; at Salisbury, 94° 0; at Cardington, 91° 2.

The lowest temperatures of the air were at Carlisle, 26° 5; at Rugby, 26° 8; at Salisbury, 27° 0.

The greatest ranges of temperature were at Salisbury, 26° 8; at Barnet, 23° 0; at Cambridge, 22° 2.

The least ranges of temperature were at Llandudno, 11° 4; at Liverpool, 11° 6; at Guernsey, 12° 0.

The greatest number of days of rain were at Burslem and Bolton, 50; at Nottingham, 46.

The least number of days of rain were at Rodmersham, 28; at Barnet, 29; at Oxford, 30.

The greatest falls of rain were at Bolton, 11.52 inches; at Stonyhurst, 10.25 inches; at Truro, 10.14 inches.

The least falls of rain were at Southbourne, 4.20 inches; at Bradford, 4.41 inches; at Cambridge, 4.73 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | RAIN. | | |
|--|-------------|---|--|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|-----|-----------------------|-----------------------|---------------------------------|-----------------------------|
| | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | Mean Amount of Cloud. | Mean Number of Days it fell. | Mean Amount col- lected. |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | 50° and 51° | 29.640 | 79.6 | 44.8 | 34.6 | 65.1 | 53.1 | 25.7 | 12.0 | 58.1 | 53.2 | 4.06 | 0.9 | 83 | 535 | 114.5 | 46.8 | 1.0 | 7 | 6 | 6 | 11 | 2.5 | 5.1 | 42 | 6.78 | |
| Between the latitudes | 51° and 52° | 29.621 | 86.3 | 33.4 | 42.2 | 69.7 | 6.50 | 37.9 | 16.7 | 58.1 | 51.5 | 3.82 | 4.6 | 1.0 | 89 | 532 | 118.9 | 47.5 | 1.3 | 7 | 7 | 10 | 10 | 1 | 5.4 | 38 | 6.51 |
| | 52° and 53° | 29.619 | 88.0 | 33.2 | 55.7 | 68.9 | 49.7 | 43.3 | 19.2 | 58.2 | 50.5 | 3.70 | 4.1 | 1.3 | 77 | 532 | 114.7 | 43.6 | 1.3 | 8 | 6 | 8 | 8 | 1 | 5.7 | 37 | 6.00 |
| | 53° and 54° | 29.619 | 80.4 | 31.0 | 21.0 | 58.7 | 46.0 | 48.9 | 11.5 | 57.5 | 49.6 | 3.37 | 4.0 | 1.1 | 79 | 532 | 118.9 | 44.0 | 1.1 | 7 | 7 | 8 | 9 | 3.4 | 6.0 | 29 | 6.06 |
| | 54° and 55° | 29.634 | 80.5 | 34.2 | 24.3 | 63.6 | 43.7 | 31.6 | 14.9 | 55.0 | 48.1 | 3.37 | 3.8 | 1.1 | 77 | 534 | 95.4 | 44.7 | 1.0 | 6 | 7 | 12 | 1 | 6.2 | 40 | 8.28 | |
| Mean for the Quarter, 50° to 55° | Year 1882 | 29.480 | 73.3 | 30.1 | 42.2 | 20.5 | 49.9 | 22.9 | 16.4 | 56.9 | 50.9 | 3.76 | 3.3 | 1.0 | 81 | 590 | 111.3 | 45.0 | 1.2 | 5 | 4 | 8 | 15 | 2.6 | 7.4 | 34 | 8.75 |
| | " 1883 | 29.481 | 75.3 | 32.5 | 33.1 | 44.5 | 50.5 | 22.8 | 15.8 | 57.4 | 51.6 | 3.85 | 4.4 | 1.0 | 82 | 531 | 116.6 | 45.9 | 1.1 | 5 | 4 | 8 | 12 | 3.7 | 6.2 | 49 | 8.64 |
| | " 1884 | 29.534 | 81.1 | 39.1 | 47.0 | 70.0 | 54.9 | 20.6 | 17.6 | 60.1 | 53.4 | 4.01 | 4.2 | 1.0 | 79 | 536 | 113.4 | 44.5 | 1.0 | 4 | 7 | 8 | 14 | 4.0 | 6.2 | 50 | 9.15 |
| | " 1885 | 29.635 | 84.7 | 31.5 | 53.3 | 42.6 | 66.6 | 49.9 | 40.0 | 17.7 | 56.6 | 49.5 | 3.56 | 4.0 | 1.3 | 78 | 535 | 109.3 | 44.2 | 1.1 | 6 | 7 | 7 | 11 | 3.0 | 6.0 | 47 |

| Temperature of | | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|---|--|
| Air. | | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | | |
| 1885. MONTHS. | Mean. | Diff. from ave- rage of 114 years. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | |
| | o | o | o | o | o | o | o | o | o | in. | in. | grs. | grs. | | | |
| Oct. - | 46.1 | -3.7 | -3.9 | 43.9 | -4.0 | 41.4 | -4.4 | 12.3 | -2.3 | 0.261 | -0.049 | 3.1 | -0.9 | | | |
| Nov. - | 43.3 | +1.0 | -0.2 | 42.0 | +0.7 | 40.5 | +1.1 | 10.3 | -1.2 | 0.252 | +0.067 | 2.9 | +0.1 | | | |
| Dec. - | 38.9 | -0.2 | -1.0 | 37.5 | -1.0 | 35.3 | -1.4 | 8.9 | -0.5 | 0.206 | -0.013 | 2.5 | -0.1 | | | |
| Means - | 42.8 | -1.0 | -1.7 | 41.1 | -1.4 | 39.1 | -1.6 | 10.5 | -1.3 | 0.240 | -0.018 | 2.8 | -0.3 | | | |

| 1885. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|----------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Mean. | Diff. from ave- rage of 44 years. | Amount. | Diff. from ave- rage of 70 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Oct. - | 84 | - 4 | in. 29.530 | -0.184 | grs. 541 | + 1 | in. 3.41 | +0.61 | Miles. 327 | 7 | 22 | 2 | 22.2 | 41.2 |
| Nov. - | 90 | + 1 | 29.721 | -0.021 | 547 | - 1 | 2.83 | +0.59 | 281 | 11 | 12 | 7 | 19.5 | 44.1 |
| Dec. - | 87 | - 1 | 30.031 | +0.241 | 558 | + 5 | 1.13 | -0.85 | 284 | 15 | 16 | 0 | 18.8 | 40.0 |
| Means - | 87 | - 1 | 29.731 | +0.012 | 549 | + 2 | Sum 7.37 | Sum +0.25 | Mean 297 | Sum 33 | Sum 59 | Sum 9 | Lowest 18.8 | Highest 44.1 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|-----------|----------|-------------------------------|
| | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. | 1885. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 12½ | 2½ | +10 | 2½ | 2½ | 0 | 8½ | 2½ | +6 |
| N. | 1 | 3½ | -2½ | 1½ | 4½ | -2½ | 1½ | 3½ | -1½ |
| N.E. | 1 | 3 | -2 | 3½ | 4 | -½ | 1½ | 2½ | -1½ |
| E. | 5 | 1½ | +3½ | 10½ | 2½ | +8 | 3 | 2 | +1 |
| S.E. | 2½ | 2 | +½ | 1½ | 2 | -½ | 3½ | 2 | +1½ |
| S. | 4 | 4 | 0 | 4 | 4 | 0 | 2 | 3½ | -1½ |
| S.W. | 6 | 10 | -4 | 7½ | 8½ | -1 | 8½ | 11 | -2½ |
| W. | 1½ | 4½ | -3 | 2 | 2½ | -½ | 1 | 4½ | -3½ |
| Calm. | 1 | 0 | +1 | ½ | 0 | +½ | 2 | 0 | +2 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of October are opposite to N.W. and E.; in November to E.; and in December to N.W. and S.E.

The minus sign (-) denotes deficiencies below averages. In October the largest numbers are opposite to S.W. and S.; in November to S. and N.; and in December to W. and S.W.

The mean reading of the barometer for the month of November was 29.721 ins., being 0.021 in. below the average of 44 years, and 0.257 in. lower than in 1884, 0.062 in. and 0.189 in. higher than in 1883 and 1882 respectively.

The mean reading of the barometer for the month of December was 30.031 ins., being 0.241 in. above the average of 44 years, and 0.341 in., 0.048 in., and 0.538 in. higher than in 1884, 1883, and 1882 respectively.

From September to October there was a deficiency of pressure at stations south of 51° of 0.160 in., between 51° and 52° of 0.163 in., between 52° and 53°, of 0.175 in., between 53° and 54° of 0.131 in., and north of 54° of 0.100 in.

From October to November there was an increase at stations south of 51° of 0.129 in., between 51° and 52° of 0.176 in., between 52° and 53° of 0.203 in., between 53° and 54° of 0.195 in., and north of 54° of 0.206 in.

From November to December there was an increase at stations south of 51° of 0.360 in., between 51° and 52° of 0.298 in., between 52° and 53° of 0.285 in., between 53° and 54° of 0.270 in., and north of 54° of 0.210 in.

About London the barometric pressure was below its average the first day of October, the next three days were above by 0.04 in. daily, the 5th and 6th days were deficient by 0.18 in., the 7th was slightly above its average, the following week the pressure was very low (the 10th being as much as nine-tenths below its average), from the 15th to the 20th it was slightly in excess, then eleven days of low readings the mean daily deficiency being 0.37 in., this was followed by three days of a slight excess of pressure, then two of a deficiency, equalling 0.21 in. daily. From November 6th to the 13th the readings were high, the mean excess being 0.29 in., November 14th was below the average value by 0.25 in. From November 15th to 20th the pressure was 0.19 in. in excess of the average; from the 21st to the end of the month, the deficiency was 0.35 in.; the first three days in December were 0.25 in. in excess, the next four days were 0.22 in. in defect. From December 8th the readings continued high till the 27th, being above their daily averages by 0.36 in., and for the last four days in the year there was a deficiency of 0.10 in. daily.

Thunderstorms occurred in October on the 1st at Southbourne and Barnet, and on the 28th at Burslem.

In November on the 6th at Truro.

In December on the 29th at Truro, Burslem, Liverpool, and Lancaster.

Thunder was heard but lightning was not seen in October, on the 5th at Bolton and Hull, on the 27th at Bolton.

In December on the 27th at Carlisle.

Lightning was seen but thunder was not heard in October, on the 1st at Rodmersham; on the 4th at Carlisle; on the 8th at Torquay, Rodmersham, Cardington; on the 9th at Cambridge; on the 11th and 12th at Torquay; on the 22nd at Wolverhampton; on the 27th at Burslem, Hull, Stonyhurst; on the 28th at Halifax and Lancaster, and on the 29th at Lancaster.

In November on the 17th at Rodmersham.

In December on the 4th at Rodmersham and Halifax; on the 29th at Torquay and Rodmersham; and on the 30th at Lowestoft.

Solar halos were seen in October on the 1st at Rodmersham; on the 4th at Torquay and Rodmersham; on 8th at Torquay; on the 11th and 15th at Rodmersham; on the 18th at Rodmersham and Oxford; on the 24th at Torquay; on the 25th at Torquay, Rodmersham, and Halifax; on the 26th and 30th at Rodmersham.

In November on the 1st and 4th at Torquay and Halifax; on the 18th at Rodmersham.

In December on the 4th, 5th, and 16th at Rodmersham; on the 21st at Torquay; on the 23rd at Halifax; on the 29th and 30th at Rodmersham and Oxford.

Lunar halos were seen in October on the 16th at Rodmersham and Oxford; on the 17th at Torquay, Salisbury, and Oxford; on the 21st at Rodmersham; on the 25th at Torquay, Rodmersham, and Oxford, and on the 30th at Rodmersham.

In November on the 13th at Oxford; on the 16th at Bradford, and on the 18th and 23rd at Oxford.

In December on the 11th at Plymouth; on the 16th at Rodmersham, and on the 23rd at Southbourne.

Snow fell in October on the 13th at Cambridge, and on the 27th at Rodmersham and Bolton.

In November on the 5th at Burslem, Bolton, and Halifax.

In December on the 4th at Bolton and Halifax; on the 6th at Leicester and Halifax; on the 7th at Bath and Lowestoft; on the 8th at Lowestoft and Hull; on the 9th at Royston, Cardington, Cambridge, Lowestoft, Wolverhampton, Nottingham, Burslem, Bolton, Halifax, Hull, Stonyhurst, Bradford, Leeds; on the 10th at Barnet, Cambridge, Leicester; on the 12th at Rodmersham; on the 15th at Hull; on the 27th at Carlisle; on the 28th at Oxford, Leicester, Burslem, Bolton, Halifax, Hull, Bradford, and Carlisle; on the 29th at Torquay, Bath, Rodmersham, Blackheath, Barnet, Oxford, Royston, Cardington, Cambridge, Rugby, Lowestoft, Wolverhampton, Nottingham, Burslem, Llandudno, Liverpool, Hull, Stonyhurst, Bradford, Leeds, Lancaster, and Carlisle, and on the 30th at Torquay, Rodmersham, Barnet, Oxford, Royston, Burslem, and Hull.

Hail fell in October, on the 1st and 3rd at Halifax; on the 5th at Liverpool and Bolton; on the 7th at Liverpool; on the 9th, 10th, and 11th at Truro; on the 12th at Guernsey and Truro; on the 16th and 23rd at Torquay; on the 25th at Bolton; on the 27th at Rodmersham, Whitechurch, Barnet, Nottingham, Llandudno, Liverpool, Bolton, Halifax, and Bradford; on the 28th at Guernsey, Truro, Burslem, Liverpool, Halifax, and Stonyhurst; on the 29th at Truro; on the 30th at Truro, and Oxford; and on the 31st at Truro.

In November on the 1st at Rodmersham; on the 5th at Torquay, Osborne, Bath, Oxford, and Stonyhurst; on the 17th at Carlisle; and on the 27th at Cambridge, Wolverhampton, and Halifax.

In December on the 4th at Bath, Barnet, Wolverhampton, Liverpool, Bolton, and Halifax; on the 6th at Bath; on the 9th and 10th at Lowestoft; on the 28th at Lowestoft, Rodmersham, Barnet, Oxford, Royston, Halifax, Hull, Stonyhurst, Bradford, and Carlisle; on the 29th at Torquay, Barnet, Liverpool, Bolton, Halifax, Stonyhurst, and Bradford; and on the 30th at Rodmersham, Bolton, and Halifax.

Fog prevailed in October, on the 12th, 13th, and 14th at Plymouth; on the 15th at Bath; on the 16th at Liverpool, Bolton, and Hull; on the 17th at Totnes, Bath, Rodmersham, Barnet, Royston, Cambridge, Lowestoft, Wolverhampton, Burslem, Liverpool, Bolton, and Bradford; on the 27th at Carlisle; and on the 29th at Carlisle; and on the 30th at Carlisle.

(continued on page 31.)

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1885. | Months. | Height of Station above Sea Level. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | |
|---------------|---------|---------------------------------------|---------------------------|--------|------|------------------------------|---------|----------|------------------------|----------|--------|---------|-------------------------|----------------------------|------------------------------------|--|--------------------------------------|----------------------------|-----------------------------|-----------------------------|-------------------------------|-------|----------------------|-----------|
| | | | Mean. | Range. | in. | Range. | Lowest. | Highest. | Lowest. | Highest. | Range. | Mean. | Short of Saturation. | In a Cubic foot of Air. | | Mean Degree of Humi- dity, Saturated = 100. | Mean Weight of Cubic foot of Air. | Maximum in Rays of Sun. | | | | | Minimum on Grass. | Strength. |
| | Oct. | 29-740 | 1-040 | 61-0 | 59-0 | 51-0 | 53-0 | 45-0 | 10-0 | 43-8 | 287 | 37-3 | 0-8 | 80 | 51 | 1-4 | 8 | 7 | 3 | 13 | 4-7 | 23 | 5-68 | in. |
| | Nov. | 29-853 | 1-160 | 61-0 | 59-0 | 51-0 | 53-0 | 45-0 | 10-0 | 43-8 | 287 | 37-3 | 0-8 | 80 | 51 | 1-4 | 8 | 7 | 3 | 13 | 4-6 | 14 | 2-81 | in. |
| | Dec. | 30-218 | 1-160 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Jan. | 29-607 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Feb. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Mar. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Apr. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | May. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | June. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | July. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Aug. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Sept. | 29-607 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Oct. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Nov. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Dec. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Jan. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Feb. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Mar. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Apr. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | May. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | June. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | July. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Aug. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Sept. | 29-607 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Oct. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Nov. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Dec. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Jan. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Feb. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Mar. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Apr. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | May. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | June. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | July. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Aug. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Sept. | 29-607 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Oct. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Nov. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Dec. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Jan. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Feb. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Mar. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Apr. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | May. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | June. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | July. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Aug. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Sept. | 29-607 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Oct. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Nov. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Dec. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Jan. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Feb. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Mar. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Apr. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | May. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | June. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | July. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Aug. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Sept. | 29-607 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | 9-0 | 42-3 | 282 | 37-0 | 0-4 | 90 | 58 | 1-1 | 11 | 6 | 7 | 7 | 4-8 | 14 | 2-66 | in. |
| | Oct. | 29-603 | 1-030 | 60-0 | 58-0 | 50-0 | 52-0 | 44-0 | | | | | | | | | | | | | | | | |

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1885. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | | Rain. |
|---|------------------------------------|---|----------------------------------|----------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------------------|------------------------------|-------------------------|-------------------|-----------------------|-------------------------|-----------------------|-------------------|-------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Maximum in Rays of Sun. | Minimum on Grass. | Relative Proportion of | | | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | | |
| | | | | | | | | Of all Highest. | Of all Lowest. | | | Short of Saturation. | In a cubic foot of Air. | N. | | | | E. | |
| RUGBY (Warwickshire), S. H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 289 | Oct. 29-553 Nov. 29-580 Dec. 29-580 | 1-108 1-208 1-208 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 89 | Oct. 29-545 Nov. 29-581 Dec. 29-581 | 1-110 1-110 1-110 | 50-7 50-7 50-7 | 50-7 50-7 50-7 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.R. Met. Soc. | 20 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| WOLVERHAMPTON (Staffordshire), W. H. WATKINS, Esq. | 200 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| LEICESTER (Town Museum), J. C. SMITH, Esq. | 238 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| NOTTINGHAM (Notte), M. O. TABBARTON, Esq., C.E., F.G.S., F.R. Met. Soc. | 122 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| HOLKHAM (Norfolk), JOHN DAVIDSON, Esq., Assistant to the Earl of Leicester. | 39 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| BURSLEM, J. E. WORTH, Esq., C.E., F.R. Met. Soc. | 553 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| LEANDUNO (Cambridgeshire), JAMES ARNOLD, Esq., M.D., F.R. Met. Soc. | 100 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| LIVERPOOL, The Observatory, JOHN HARRINGTON, Esq., F.R.A.S., F.R. Met. Soc. | 197 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| BOLTON, Sharples (Lancashire), Rev. T. MACLEATH, F.R.A.S., F.G.S. | 500 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| HALEFAX, Bernerside Observatory, E. CROSSLEY, Esq., F.R.A.S. | 530 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |
| HULL (Yorkshire), The People's Park, Mr. E. PEAK. | 6 | Oct. 29-612 Nov. 29-612 Dec. 29-612 | 1-108 1-108 1-108 | 52-2 51-0 51-0 | 52-2 51-0 51-0 | 32-0 31-0 31-0 | 32-0 31-0 31-0 | 46-4 45-7 45-7 | 36-3 35-3 35-3 | 10-1 10-1 10-1 | 41-4 41-4 41-4 | 89-4 89-4 89-4 | 34-2 34-2 34-2 | 2-8 2-8 2-8 | 0-3 0-3 0-3 | 93 93 93 | 2-8 2-8 2-8 | 2-8 2-8 2-8 | 2-8 2-8 2-8 |

| Year 1855. | Month. | Height Above Sea Level. | Names of Stations and Observers. | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | | | Mean Reading of Thermometer. | | Wind. | | Mean Amount of Ozone. | Cloud. Amount of | Number of Days it fell. | Rain. Amount col- lected. | | | | | | | | | |
|---------------|--------|----------------------------|-------------------------------------|------------------------------|--------|----------|------------------------|--------|---------|------|-------|------------------------------------|----------------|----------------------------|-------------------------|-----------------------------|---------------------|----------------------------|---------------------------------|---|------------------------------|----------------------------|----------------------|------------------------|---------------------------|----|--|--|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean | | Air. | Dew Point. | Elastic Force. | In a cubic Foot of Air. | Short of Saturation. | | | | | Mean Degree of Humi- dity, Sat. = 100. | Cubic Foot of Air. = 100. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | |
| | | | | | | | | | N. | E. | | | | | | | | | | | | | | | S. | W. | | |
| | Oct. | 29-298 | 1-566 | 56-8 | 29-9 | 20-2 | 30-7 | 13-5 | 43-4 | 37-8 | 2-36 | 27-6 | 0-7 | 83 | 34-0 | 92-1 | 34-1 | 11 | 6 | 2 | 13 | 5-6 | 23 | 3-79 | | | | |
| | Nov. | 29-483 | 1-423 | 56-0 | 29-1 | 40-5 | 29-3 | 12-8 | 41-6 | 37-3 | 2-24 | 2-5 | 0-5 | 84 | 54-5 | 67-6 | 33-2 | 4 | 12 | 5 | 11 | 6-1 | 24 | 3-83 | | | | |
| | Dec. | 29-760 | 1-286 | 55-3 | 10-1 | 40-2 | 44-1 | 31-3 | 38-0 | 37-0 | 1-95 | 2-3 | 0-4 | 53 | 54 | 62-4 | 28-1 | 4 | 2 | 17 | 17 | 8-3 | 14 | 3-70 | | | | |
| | Oct. | 29-274 | 1-353 | 57-9 | 34-0 | 33-9 | 20-2 | 40-7 | 43-7 | 39-0 | -2-38 | 2-7 | 0-6 | 81 | 538 | 65-1 | 1 | 11 | 5 | 10 | 6 | 7-2 | 24 | 5-15 | | | | |
| | Nov. | 29-490 | 1-402 | 57-4 | 56-2 | 31-2 | 46-5 | 38-4 | 7-9 | 42-1 | 38-3 | 2-2 | 0-4 | 87 | 543 | 57-1 | 1 | 0-6 | 7 | 9 | 6 | 8 | 20 | 5-16 | | | | |
| | Dec. | 29-648 | 1-249 | 48-8 | 21-1 | 26-7 | 43-9 | 34-3 | 35-5 | 30-8 | -2-4 | 0-4 | 87 | 535 | 50-4 | 1 | 0-9 | 11 | 2 | 6 | 12 | 3 | 10 | 0-76 | | | | |
| | Sept. | 29-648 | 1-030 | 73-0 | 39-0 | 47-9 | 11-3 | 33-6 | 48-3 | 33-8 | 3-6 | 0-9 | 80 | 534 | 1 | 1-6 | 4 | 2 | 8 | 10 | 6 | 1 | 6-1 | 17 | 2-56 | | | |
| | Oct. | 29-519 | 1-374 | 58-0 | 35-0 | 52-0 | 34-1 | 41-7 | 49-5 | 43-4 | 2-11 | 3-0 | 0-5 | 87 | 531 | 1 | 1-5 | 10 | 5 | 4 | 13 | 0-9 | 24 | 3-94 | | | | |
| | Nov. | 29-750 | 1-416 | 60-0 | 38-0 | 47-3 | 30-6 | 47-7 | 43-9 | 41-1 | 1-58 | 3-0 | 0-3 | 91 | 517 | 1 | 1-2 | 4 | 10 | 7 | 9 | 0-9 | 34 | 3-99 | | | | |
| | Dec. | 29-787 | 1-083 | 50-0 | 22-0 | 25-0 | 43-9 | 31-9 | 7-6 | 49-7 | 27-9 | 2-28 | 2-7 | 0-2 | 93 | 558 | 1 | 1-2 | 7 | 5 | 10 | 6 | 6-3 | 10 | 0-63 | | | |
| | Oct. | 29-338 | 1-230 | 55-0 | 31-5 | 34-5 | 40-8 | 19-6 | 10-0 | 44-5 | 20-9 | 0-64 | 91 | 543 | 1 | 1-6 | 7 | 9 | 4 | 11 | 5 | 18 | 3-59 | | | | | |
| | Nov. | 29-750 | 1-549 | 53-0 | 27-5 | 28-5 | 47-7 | 33-5 | 2-8 | 43-9 | 40-8 | 2-5 | 0-4 | 92 | 518 | 1 | 1-5 | 1 | 14 | 10 | 5 | 11 | 1-39 | 18 | 3-59 | | | |
| | Dec. | 29-916 | 1-116 | 52-0 | 19-0 | 33-0 | 41-1 | 33-1 | 9-0 | 39-9 | 29-9 | 2-19 | 2-5 | 0-4 | 90 | 557 | 1 | 1-1 | 7 | 8 | 10 | 6 | 13 | 1-39 | | | | |
| | Nov. | 29-320 | 1-328 | 58-4 | 25-2 | 33-2 | 41-5 | 37-7 | 12-6 | 41-0 | 39-6 | 2-44 | 2-8 | 0-5 | 84 | 543 | 67-4 | 2-3 | 6 | 5 | 14 | 2-3 | 18 | 2-92 | | | | |
| | Oct. | 29-735 | 1-484 | 59-6 | 29-5 | 39-1 | 43-4 | 33-5 | 12-9 | 40-5 | 37-2 | 2-22 | 2-6 | 0-4 | 89 | 511 | 31-8 | 2-4 | 4 | 8 | 5 | 14 | 7-4 | 10 | 1-45 | | | |
| | Nov. | 29-735 | 1-484 | 59-6 | 29-5 | 39-1 | 43-4 | 33-5 | 12-9 | 40-5 | 37-2 | 2-22 | 2-6 | 0-4 | 89 | 511 | 31-8 | 2-4 | 4 | 8 | 5 | 14 | 7-4 | 10 | 1-45 | | | |
| | Dec. | 29-945 | 1-356 | 53-8 | 11-8 | 42-0 | 42-9 | 30-6 | 12-3 | 37-6 | 23-0 | 2-4 | 0-3 | 93 | 538 | 38-1 | 23-6 | 0-8 | 5 | 6 | 15 | 6 | 8-4 | 12 | 1-45 | | | |

Second observations are placed—

At Barrow-in-Furness at the height of 160 feet above the sea; the amount collected was—
 At Barrow-in-Furness at the height of 160 feet above the sea; the amount collected was—
 At Barrow-in-Furness at the height of 160 feet above the sea; the amount collected was—

Fog (continued from page 27.)

the 18th at Plymouth, Totnes, Barnet, Royston, Cambridge, Liverpool, and Bolton; on the 19th at Liverpool; on the 20th at Totnes and Hull; on the 21st at Torquay, Barnet, and Liverpool; on the 22nd at Salisbury; on the 23rd at Salisbury and Bath; and on the 30th at Torquay, Salisbury, and Wolverhampton.

In November on the 5th at Bolton; on the 6th at Cambridge; on the 7th at Salisbury, Barnet, and Cambridge; on the 8th at Salisbury, Bath, Whitechurch, and Barnet; on the 9th at Barnstaple, Barnet, Cambridge, and Wolverhampton; on the 10th at Barnstaple, Whitechurch, Barnet, Royston, Cambridge, and Wolverhampton; on the 11th at Barnstaple, Whitechurch, Barnet, Royston, and Cambridge; on the 12th at Guernsey, Salisbury, Barnstaple, Whitechurch, Barnet, Royston, Cambridge, and Wolverhampton; and on the 29th at Ventnor, Barnet, and Cambridge.

In December fog was prevalent all over the country.

Wolverhampton, and Bolton; on the 13th at Salisbury, Barnstaple, Whitechurch, Barnet, and Cambridge; on the 14th at Barnet; on the 16th at Wolverhampton and Bradford; on the 17th at Bradford; on the 20th at Cambridge; on the 21st at Guernsey, Torquay, and Barnstaple; on the 22nd at Torquay, Salisbury, Barnstaple, Whitechurch, Barnet, Cambridge, and Wolverhampton; on the 23rd at Guernsey, Torquay, Salisbury, Barnstaple, Whitechurch, and Wolverhampton; on the 24th at Barnstaple and Cambridge; on the 25th at Torquay, Salisbury, Whitechurch, Barnet, Cambridge, and Wolverhampton; on the 26th at Torquay, Ventnor, Whitechurch, Cambridge, and Wolverhampton; and on the 29th at Ventnor, Barnet, and Cambridge.

In December fog was prevalent all over the country.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | WIND. | | | | | | | | | | RAIN. | | | | | |
|--------------------|---|------|------|------|------|------|------|------|------|------|------------------------|-----|-----|----|-----|------|------|-----|-----|----|-----------------------|-----------------------|----------------------------------|-------------------|-------|-------|
| | Mean of all Highest. | | | | | | | | | | Relative Proportion of | | | | | | | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | Amount collected. | | |
| | in. | o. | o. | o. | o. | o. | o. | o. | o. | o. | N. | E. | S. | W. | | | | | | | | | | | | |
| Guernsey | 29.707 | 61.0 | 31.0 | 30.0 | 50.2 | 42.4 | 21.6 | 7.8 | 46.3 | 41.4 | 261 | 3.0 | 0.6 | 84 | 543 | 76.8 | 38.9 | 1.3 | 8 | 5 | 10 | 3.2 | 7.7 | 61 | 13.02 | |
| Truro | 29.723 | 61.0 | 20.0 | 41.0 | 32.4 | 48.0 | 29.7 | 10.4 | 46.6 | 41.3 | 261 | 3.0 | 0.7 | 82 | 546 | 76.8 | 38.9 | 1.3 | 8 | 7 | 8 | — | 7.3 | 63 | 15.85 | |
| Plymouth | 29.711 | 59.0 | 22.0 | 36.0 | 31.0 | 40.4 | 23.1 | 10.6 | 45.6 | 41.7 | 265 | 3.0 | 0.6 | 87 | 548 | 76.8 | 38.9 | 1.3 | 7 | 10 | 8 | — | 7.2 | 68 | 11.81 | |
| Totnes | 29.709 | 62.0 | 17.4 | 44.9 | 31.1 | 38.4 | 33.1 | 12.6 | 44.9 | 40.6 | 256 | 3.0 | 0.5 | 88 | 549 | 76.8 | 38.9 | 2.6 | 10 | 5 | 5 | 10 | 7.0 | 55 | 14.99 | |
| Torquay | 29.698 | 60.8 | 23.3 | 37.5 | 30.2 | 40.9 | 25.6 | 9.3 | 45.4 | 40.8 | 257 | 2.9 | 0.6 | 85 | 543 | 79.8 | 34.8 | 1.6 | 7 | 7 | 6 | 11 | 4.1 | 7.3 | 56 | 11.69 |
| Ventnor | 29.674 | 60.0 | 23.2 | 33.8 | 30.9 | 42.2 | 24.0 | 8.7 | 46.1 | 41.3 | 263 | 3.0 | 0.6 | 84 | 546 | 76.8 | 38.9 | 1.0 | 9 | 7 | 5 | 10 | 6.5 | 50 | 8.87 | |
| Eastbourne | 29.679 | 61.0 | 23.2 | 33.8 | 30.9 | 42.2 | 24.0 | 8.7 | 46.1 | 41.3 | 263 | 3.0 | 0.6 | 84 | 546 | 76.8 | 38.9 | 0.4 | 12 | 5 | 4 | 10 | 0.7 | 44 | 10.30 | |
| Osborne | 29.679 | 61.0 | 23.2 | 33.8 | 30.9 | 42.2 | 24.0 | 8.7 | 46.1 | 41.3 | 263 | 3.0 | 0.6 | 84 | 546 | 76.8 | 38.9 | 0.3 | 8 | 5 | 7 | 10 | 6.7 | 49 | 8.57 | |
| Southbourne | 29.686 | 60.1 | 21.1 | 38.0 | 30.4 | 39.4 | 27.7 | 10.1 | 44.4 | 40.0 | 248 | 2.8 | 0.5 | 85 | 548 | 76.8 | 38.9 | 1.3 | 10 | 7 | 3 | 10 | 6.6 | 47 | 8.76 | |
| Brighton | 29.713 | 62.0 | 23.3 | 38.7 | 31.7 | 43.6 | 25.6 | 9.1 | 43.1 | 38.0 | 240 | 2.8 | 0.5 | 86 | 548 | 76.8 | 38.9 | 3.2 | 1 | 1 | 9 | 5 | 6.8 | 44 | 8.68 | |
| Salisbury | 29.692 | 62.0 | 15.0 | 47.0 | 32.3 | 33.2 | 23.7 | 10.1 | 42.7 | 38.1 | 232 | 2.6 | 0.6 | 85 | 548 | 65.8 | 31.1 | 1.1 | 12 | 7 | 7 | 5 | 7.1 | 71 | 9.95 | |
| Barnstaple | 29.686 | 60.0 | 22.0 | 38.0 | 30.1 | 41.1 | 27.5 | 9.4 | 43.3 | 38.1 | 232 | 2.7 | 0.4 | 86 | 547 | — | — | 1.2 | 7 | 8 | 6 | 9 | 4.7 | 51 | 10.55 | |
| Bath | 29.706 | 58.0 | 23.2 | 38.5 | 34.6 | 23.7 | 43.7 | 8.8 | 41.7 | 38.6 | 235 | 2.6 | 0.4 | 89 | 541 | 72.4 | — | 1.5 | 9 | 6 | 6 | 9 | 6.8 | 58 | 13.90 | |
| Rodmersham | 29.751 | 60.0 | 28.8 | 37.2 | 47.8 | 32.4 | 28.0 | 10.4 | 42.8 | 38.0 | 242 | 2.7 | 0.5 | 88 | 550 | 75.0 | 33.1 | 1.5 | 7 | 8 | 10 | 2.7 | 6.9 | 48 | 6.29 | |
| Marlborough | 29.694 | 59.0 | 19.0 | 40.9 | 34.6 | 37.4 | 29.5 | 10.3 | 41.3 | 38.6 | 236 | 2.7 | 0.3 | 91 | 548 | 72.8 | 30.2 | 0.4 | 7 | 9 | 5 | 10 | — | 7.1 | 58 | 10.14 |
| Whitechurch | 29.715 | 61.8 | 18.2 | 43.6 | 47.3 | 33.2 | 23.1 | 11.1 | 41.7 | 38.9 | 238 | 2.7 | 0.3 | 91 | 551 | — | — | 0.9 | 5 | 9 | 7 | 10 | 6.6 | 48 | 8.02 | |
| Blackheath | 29.694 | 59.0 | 21.0 | 38.0 | 30.4 | 46.7 | 37.1 | 12.8 | 4.0 | 38.8 | 237 | 2.7 | 0.4 | 88 | 550 | 60.0 | — | 1.0 | 7 | 8 | 6 | 10 | 7.1 | 42 | 6.82 | |
| Royal Observatory | 29.695 | 59.9 | 23.3 | 36.6 | 47.8 | 37.3 | 28.5 | 10.5 | 42.8 | 39.1 | 240 | 2.8 | 0.4 | 87 | 549 | 64.8 | 32.2 | — | — | — | — | 1.7 | 7.3 | 73 | 7.37 | |
| Camden Square | 29.709 | 60.9 | 22.3 | 38.5 | 34.8 | 50.7 | 38.8 | 10.7 | 43.9 | 38.7 | 237 | 2.7 | 0.5 | 86 | 550 | 62.0 | 32.7 | — | 9 | 9 | 6 | 8 | — | 0.8 | 46 | 8.09 |
| Barnet | 29.739 | 62.0 | 16.0 | 46.0 | 47.8 | 35.2 | 24.6 | 12.6 | 41.6 | 38.3 | 233 | 2.7 | 0.4 | 89 | 550 | 73.1 | 32.1 | 0.7 | 8 | 3 | 11 | — | 6.8 | 46 | 8.61 | |
| Oxford | 29.704 | 61.2 | 23.1 | 38.1 | 48.1 | 38.1 | 29.8 | 10.6 | 43.9 | 39.2 | 242 | 2.8 | 0.4 | 88 | 548 | 72.5 | 32.4 | 2.4 | 7 | 6 | 7 | 10 | 0.8 | 6.8 | 46 | 8.51 |
| Royston | 29.730 | 60.8 | 20.6 | 39.7 | 47.0 | 36.1 | 33.2 | 10.9 | 41.4 | 38.0 | 230 | 2.6 | 0.4 | 88 | 548 | — | — | — | 7 | 5 | 7 | 11 | 6.5 | 50 | 8.34 | |
| Bedford | 29.715 | 64.0 | 18.0 | 46.0 | 47.0 | 35.8 | 34.3 | 11.8 | 41.4 | 38.7 | 236 | 2.7 | 0.4 | 90 | 552 | 51.5 | 33.4 | 1.1 | 8 | 6 | 4 | 13 | 6.5 | 40 | 8.35 | |
| Cambridge | 29.665 | 61.5 | 19.0 | 42.5 | 47.6 | 36.3 | 33.5 | 11.3 | 41.8 | 39.1 | 239 | 2.8 | 0.3 | 90 | 552 | 71.1 | 30.4 | 1.2 | 8 | 8 | 6 | 10 | 6.9 | 57 | 8.09 | |
| Lowestoft | 29.661 | 59.7 | 22.0 | 37.7 | 47.3 | 38.4 | 25.1 | 8.8 | 43.0 | 38.9 | 239 | 2.7 | 0.4 | 86 | 549 | 68.7 | 34.9 | 2.1 | 7 | 5 | 6 | 13 | 7.1 | 50 | 10.10 | |
| Somerleyton | 29.675 | 62.9 | 20.0 | 42.3 | 47.6 | 37.3 | 29.7 | 10.4 | 42.2 | 39.4 | 242 | 2.6 | 0.4 | 90 | 551 | — | — | — | 1.0 | 5 | 6 | 7 | 13 | 5.4 | 69 | 53.10 |
| Wolverhampton | 29.740 | 59.5 | 18.9 | 40.6 | 46.7 | 33.6 | 31.3 | 12.6 | 39.9 | 36.4 | 216 | 2.5 | 0.4 | 86 | 545 | — | — | — | 7 | 6 | 8 | 9 | 7.6 | 50 | 8.01 | |
| Leicester | 29.682 | 63.8 | 22.2 | 41.6 | 47.5 | 37.1 | 31.5 | 10.3 | 42.3 | 37.3 | 223 | 2.6 | 0.6 | 84 | 548 | 64.6 | 31.1 | 0.9 | 8 | 5 | 8 | 9 | 7.0 | 54 | 8.76 | |
| Nottingham | 29.673 | 57.7 | 21.0 | 36.7 | 47.4 | 37.3 | 29.6 | 10.1 | 42.2 | 38.2 | 231 | 2.7 | 0.5 | 87 | 550 | 62.5 | 31.2 | 0.2 | 5 | 8 | 7 | 11 | 0.7 | 6.7 | 80 | 9.22 |
| Burslem | 29.686 | 60.1 | 21.8 | 37.3 | 44.1 | 35.9 | 27.3 | 8.7 | 40.4 | 37.1 | 222 | 2.5 | 0.4 | 88 | 543 | — | — | 3.2 | 10 | 6 | 8 | 7 | 10 | 7.4 | 58 | 9.94 |
| Holkham | 29.668 | 60.1 | 21.0 | 39.1 | 47.1 | 33.4 | 31.5 | 13.7 | 41.4 | 36.5 | 218 | 2.5 | 0.6 | 83 | 552 | 68.8 | 28.7 | 1.0 | 6 | 7 | 9 | 8 | 6.8 | — | 9.81 | |
| Llandudno | 29.647 | 58.8 | 28.2 | 32.6 | 48.3 | 40.0 | 25.5 | 8.4 | 44.4 | 39.0 | 229 | 2.7 | 0.7 | 78 | 548 | — | — | — | 1.0 | 4 | 7 | 5 | 15 | 7.6 | 39 | 8.52 |
| Liverpool | 29.672 | 59.7 | 27.4 | 32.3 | 47.1 | 39.2 | 26.6 | 7.8 | 42.8 | 38.1 | 230 | 2.6 | 0.6 | 84 | 548 | — | — | 1.5 | 4 | 9 | 6 | 12 | 6.9 | 45 | 10.56 | |
| Bolton | 29.682 | 55.5 | 21.6 | 39.3 | 45.4 | 35.4 | 27.0 | 9.9 | 40.4 | 37.5 | 225 | 2.6 | 0.3 | 89 | 544 | 48.6 | 33.2 | 0.7 | 6 | 7 | 10 | 3.4 | 7.5 | 58 | 15.60 | |
| Hallifax | 29.738 | 57.0 | 19.0 | 38.6 | 44.7 | 35.0 | 30.9 | 9.7 | 39.9 | 36.6 | 216 | 2.6 | 0.6 | 83 | 545 | 61.6 | 30.1 | 1.2 | 5 | 7 | 7 | 12 | 7.1 | 59 | 11.01 | |
| Hull | 29.678 | 57.0 | 21.0 | 36.6 | 47.4 | 35.7 | 29.0 | 11.7 | 42.1 | 37.3 | 223 | 2.6 | 0.6 | 83 | 552 | 65.4 | 34.6 | 1.4 | 5 | 4 | 5 | 16 | 6.7 | 55 | 7.87 | |
| Stonyhurst | 29.693 | 56.8 | 16.1 | 40.7 | 46.9 | 34.8 | 33.1 | 12.2 | 41.0 | 36.4 | 215 | 2.5 | 0.5 | 84 | 546 | 74.0 | 31.8 | — | 8 | 7 | 6 | 10 | 8.0 | 20 | 12.25 | |
| Bradford | 29.675 | 57.9 | 22.1 | 35.8 | 46.6 | 37.8 | 27.3 | 8.8 | 42.0 | 37.6 | 226 | 2.6 | 0.5 | 85 | 545 | 57.5 | — | 0.8 | 10 | 5 | 6 | 14 | 7.8 | 51 | 8.18 | |
| Leeds | 29.680 | 60.0 | 22.0 | 38.0 | 47.2 | 39.1 | 27.3 | 8.1 | 42.8 | 40.1 | 240 | 2.9 | 0.3 | 90 | 549 | — | — | 1.8 | 7 | 6 | 5 | 12 | 7.0 | 47 | 6.76 | |
| Lancaster | 29.648 | 56.0 | 19.0 | 37.0 | 47.2 | 37.8 | 28.7 | 9.4 | 42.4 | 39.6 | 244 | 2.8 | 0.4 | 91 | 549 | — | — | — | 5 | 10 | 7 | 9 | — | 42 | 8.49 | |
| Carlisle | 29.638 | 56.6 | 11.8 | 47.8 | 46.9 | 34.0 | 38.1 | 12.9 | 40.7 | 37.3 | 213 | 2.6 | 0.4 | 88 | 551 | 55.8 | 27.4 | 0.8 | 5 | 5 | 5 | 15 | 2.4 | 7.9 | 40 | 5.82 |

The highest temperatures of the air were at Cardington, 64° 0; at Leicester, 63° 8; at Somerleyton, 62° 9.

The lowest temperatures of the air were at Carlisle, 11° 8; at Salisbury, 15° 0; at Barnet, 16° 0.

The greatest ranges of temperature were at Salisbury, 19° 1; at Holkham 13° 7; at Carlisle, 12° 9.

The least ranges of temperature were at Guernsey and Liverpool, 7° 8; at Leeds, 8° 1; at Llandudno, 8° 4.

The greatest number of days of rain were at Nottingham, 80; at Salisbury, 71; at Truro, 63.

The least number of days of rain were at Llandudno, 39; at Cardington and Carlisle, 40.

The greatest falls of rain were at Bolton, 15° 60 inches; at Totnes 14° 59 inches; at Bath, 13° 90 inches.

The least falls of rain were at Carlisle, 5° 82 inches; at Rodmersham, 6° 29 inches; at Leeds, 6° 76 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the sea. | | | | | | | | | | WIND. | | | | | | | | | | RAIN. | | | | | | |
|--|---|--------|------|-------|------|------|------|------|------|------|------------------------|-----|-----|-----|----------------------|-----------------------|------|------|-----|---|---------------------------------|-----------------------------|-----|-----|-----|-------|-------|
| | Mean of all Highest. | | | | | | | | | | Relative Proportion of | | | | | | | | | | Mean Number of Days it fell. | Mean Amount col- lected. | | | | | |
| | in. | o. | o. | o. | o. | o. | o. | o. | o. | o. | N. | E. | S. | W. | Mean Amount of Ozone | Mean Amount of Cloud. | | | | | | | | | | | |
| Guernsey | 29.707 | 61.0 | 31.0 | 30.0 | 50.2 | 42.4 | 21.6 | 7.8 | 46.3 | 41.4 | 261 | 3.0 | 0.6 | 84 | 543 | 76.8 | 38.9 | 1.3 | 8 | 8 | 5 | 10 | 3.2 | 7.7 | 61 | 13.02 | |
| Between the latitudes | 50° and 51° | 29.695 | 60.9 | 32.3 | 39.7 | 45.0 | 40.5 | 23.5 | 9.9 | 45.2 | 241.3 | 2.9 | 0.5 | 87 | 548 | 70.1 | 36.0 | 1.3 | 8 | 7 | 5 | 10 | 2.4 | 6.8 | 53 | 10.82 | |
| | 51° and 52° | 29.703 | 60.9 | 20.5 | 39.9 | 48.3 | 35.7 | 31.0 | 11.2 | 42.6 | 39.1 | 240 | 2.8 | 0.5 | 88 | 549 | 68.7 | 32.9 | 1.2 | 8 | 6 | 6 | 9 | 1.6 | 6.7 | 55 | 8.98 |
| | 52° and 53° | 29.692 | 61.1 | 20.6 | 40.5 | 47.0 | 36.1 | 30.6 | 10.6 | 41.4 | 38.0 | 230 | 2.6 | 0.5 | 88 | 548 | 69.7 | 33.5 | 1.2 | 8 | 6 | 6 | 11 | 2.0 | 6.9 | 52 | 9.02 |
| | 53° and 54° | 29.679 | 61.7 | 21.6 | 38.6 | 47.4 | 37.3 | 28.4 | 9.6 | 42.2 | 38.2 | 231 | 2.7 | 0.6 | 88 | 547 | 69.7 | 33.5 | 1.2 | 8 | 6 | 7 | 11 | 2.0 | 6.9 | 55 | 9.02 |
| 54° and 55° | 29.688 | 59.6 | 11.8 | 47.8 | 46.9 | 34.0 | 38.1 | 12.9 | 40.7 | 37.3 | 213 | 2.6 | 0.4 | 88 | 551 | 55.8 | 27.4 | 0.8 | 5 | 5 | 5 | 15 | 2.4 | 7.9 | 40 | 5.82 | |
| Mean for the Quarter, 50° to 55° | Year 1882 | 29.458 | 63.1 | 118.8 | 49.3 | 49.3 | 38.7 | 36.3 | 10.6 | 43.9 | 40.4 | 236 | 2.9 | 0.4 | 88 | 545 | 70.3 | 34.2 | 1.3 | 6 | 7 | 7 | 11 | 4.3 | 7.2 | 65 | 15.07 |
| | " 1883 | 29.696 | 63.1 | 24.6 | 38.5 | 50.1 | 39.0 | 29.7 | 11.1 | 44.4 | 40.6 | 235 | 2.9 | 0.4 | 87 | 545 | 70.5 | 33.0 | 1.2 | 6 | 7 | 7 | 14 | 4.1 | 6.8 | 54 | 15.07 |
| | " 1884 | 29.737 | 63.1 | 22.6 | 39.5 | 49.5 | 38.3 | 31.8 | 11.1 | 43.7 | 39.2 | 245 | 2.8 | 0.5 | 86 | 548 | 68.8 | 33.4 | 1.2 | 6 | 4 | 7 | 12 | 3.7 | 6.9 | 45 | 6.92 |
| | " 1885 | 29.631 | 59.8 | 19.0 | 40.3 | 47.7 | 37.0 | 30.5 | 10.9 | 42.4 | 38.8 | 239 | 2.7 | 0.5 | 87 | 548 | 63.5 | 32.9 | 1.1 | 7 | 7 | 6 | 11 | 2.1 | 7.1 | 50 | 6.72 |

The mean temperature of the air for January was $2^{\circ}8$ lower than in December; in February it was $2^{\circ}4$ lower than in January; and in March it was $5^{\circ}9$ higher than in February.

(From the preceding 45 years' observations the decrease of temperature from December to January is $1^{\circ}4$, the increase from January to February is $1^{\circ}2$, and the increase from February to March is $2^{\circ}0$.)

From December to January there was a decrease of temperature of stations south of 51° of $2^{\circ}8$, between 51° and 52° of $2^{\circ}6$, between 52° and 53° of $2^{\circ}6$, between 53° and 54° of $3^{\circ}5$, and north of 54° of $2^{\circ}9$.

From January to February there was a decrease of temperature at stations south of 51° of $1^{\circ}7$, between 51° and 52° of $2^{\circ}0$, between 52° and 53° of $1^{\circ}9$, between 53° and 54° of $0^{\circ}9$, and north of 54° of $0^{\circ}2$.

From February to March there was an increase of temperature at stations south of 51° of $3^{\circ}2$, between 51° and 52° of $5^{\circ}4$, between 52° and 53° of $5^{\circ}3$, between 53° and 54° of $3^{\circ}1$, and north of 54° of $4^{\circ}1$.

| 1886. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|---|----------------|---|--|-------|--|-------|--|-------|--|-------|---|-------|--|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | | Mean. | Diff. from ave- rage of 115 years. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. |
| Jan. | - | 36.1 | -0.4 | -2.4 | 34.7 | -2.2 | 32.7 | -2.2 | 9.9 | +0.4 | 0.183 | -0.015 | 2.2 | -0.2 |
| Feb. | - | 33.7 | -5.0 | -6.0 | 32.4 | -5.6 | 30.2 | -5.3 | 8.2 | -2.9 | 0.168 | -0.042 | 2.0 | -0.4 |
| Mar. | - | 39.6 | -1.5 | -2.1 | 37.2 | -2.1 | 33.9 | -2.1 | 13.8 | -1.0 | 0.195 | -0.022 | 2.4 | -0.1 |
| Means | - | 36.5 | -2.3 | -3.5 | 34.8 | -3.3 | 32.3 | -3.2 | 10.6 | -1.2 | 0.183 | -0.026 | 2.2 | -0.2 |

| 1886. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rsid. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---|------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Amount. | Diff. from ave- rage of 45 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Jan. | - | 88 | + 1 | 29.475 | -0.280 | 551 | - 3 | 3.67 | +1.79 | 354 | 18 | 12 | 1 | 16.5 | 41.9 |
| Feb. | - | 87 | + 2 | 29.945 | +0.153 | 563 | +10 | 0.56 | -1.01 | 206 | 16 | 12 | 0 | 18.9 | 34.9 |
| Mar. | - | 80 | - 1 | 29.792 | +0.040 | 553 | + 3 | 1.13 | -0.37 | 342 | 18 | 6 | 7 | 17.2 | 47.1 |
| Means | - | 85 | + 1 | 29.737 | +0.027 | 553 | + 3 | Sum 5.36 | Sum +0.14 | Mean 301 | Sum 32 | Sum 30 | Sum 8 | Lowest 16.5 | Highest 47.1 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|--------|----------|-------------------------|
| | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. |
| N.W. | 7 | 1½ | + 5½ | 4½ | 2 | + 2½ | 2½ | 2½ | - ½ |
| N. | 1½ | 3½ | - 2 | 3½ | 3 | + ½ | 3½ | 3½ | - 3 |
| N.E. | 1½ | 3½ | - 1½ | 5 | 3½ | + 1½ | 4½ | 4 | + ½ |
| E. | 4½ | 2 | + 3½ | 8½ | 2 | + 6½ | 8 | 2½ | + 5½ |
| S.E. | 4½ | 2½ | + 2½ | 1½ | 1½ | 0 | ½ | 2 | - 1½ |
| S. | 2½ | 4½ | - 2 | 1 | 3 | - 2 | 2 | 2½ | - ½ |
| S.W. | 7½ | 1½ | + 6 | 8 | - 7½ | - 2½ | 10½ | 7½ | + 3 |
| W. | 1 | 3½ | - 2½ | 2½ | 2½ | - 2 | 2½ | 3½ | - 1 |
| Calm. | ½ | 2½ | + 1½ | 2½ | 2½ | 0 | 0 | 2½ | - 2½ |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of January are opposite to N.W. and E.; in February to E. and N.W.; and in March to E. and S.W.

The minus sign (-) denotes deficiencies below averages. In January the largest numbers are opposite to W., N., S., and S.W.; in February to S.W., S., and W.; and in March to N. and S.

The mean reading of the barometer at the height of 159 ft. above the level of the sea for the month of January was 29.475 ins., being 0.280 in. below the average of 45 years, 0.238 in., 0.440 in., and 0.260 in. lower than in 1885, 1884, and 1883 respectively.

The mean reading of the barometer for the month of February was 29.945 ins., being 0.159 in. higher than the average of 45 years, and 0.402 in., 0.201 in., and 0.041 in. higher than in 1885, 1884, and 1883 respectively.

The mean reading of the barometer for the month of March was 29.792 ins., being 0.040 in. above the average of 45 years, and 0.108 in. lower than in 1885, 0.030 in., and 0.043 in. higher than in 1884 and 1883 respectively.

From December to January there was a decrease of pressure at stations south of 51° of 0.537 in., between 51° and 52° of 0.544 in., between 52° and 53° of 0.556 in., between 53° and 54° of 0.548 in., and north of 54° of 0.547 in.

From January to February there was an increase of pressure at stations south of 51° of 0.413 in., between 51° and 52° of 0.458 in., between 52° and 53° of 0.488 in., between 53° and 54° of 0.502 in., and north of 54° of 0.559 in.

From February to March there was a decrease of pressure at stations south of 51° of 0.167 in., between 51° and 52° of 0.163 in., between 52° and 53° of 0.177 in., between 53° and 54° of 0.200 in., and north of 54° of 0.188 in.

About London the barometric pressure was alternately above and below its average for two and three days together, till January 12th; from January 13th to February 3rd the readings were very low, the deficiency being 0.41 in., from the 4th to the 27th there was an excess of pressure to the amount of 0.23 in., this was followed by a week of low readings, the deficiency averaging 0.42 in., and from March 15th to the end of the quarter it was alternately for five and six days together slightly in excess and deficiency of the daily average.

Thunderstorms occurred in January, on the 5th at Halifax, on the 16th at Guernsey, Truro, Plymouth, Torquay, Salisbury, Bath, on the 17th at Guernsey, on the 19th at Torquay, on the 25th at Guernsey, on the 26th at Osborne, and on the 31st at Lowestoft, Somerleyton, and Halifax.

No thunderstorms occurred in February.

In March, on the 29th at Nottingham, and on the 31st at Truro, Plymouth, Torquay, Osborne, Llandudno, and Stonyhurst.

Thunder was heard but lightning was not seen in March, on the 29th at Somerleyton and Leicester.

Lightning was seen but thunder was not heard in January, on the 16th and 19th at Torquay; on the 26th at Torquay and Osborne; on the 30th at Halifax; on the 31st at Lowestoft.

In March, on the 22nd at Bradford; on the 27th at Stonyhurst; and on the 31st at Liverpool.

Solar halos were seen in January, on the 6th at Oxford; on the 21st at Torquay.

In February, on the 2nd at Oxford.

In March, on the 4th, 7th, 9th, and 11th at Torquay; on the 22nd at Halifax; and on the 27th at Oxford.

Lunar halos were seen in January, on the 14th at Torquay and Oxford; on the 15th at Oxford; on the 16th at Lowestoft; on the 17th at Torquay; on the 19th and 20th at Oxford.

In February, on the 13th at Oxford and Halifax; and on the 15th at Burslem.

In March, on the 14th at Torquay; on the 17th at Barnet; and on the 19th at Guernsey and Torquay.

Aurora Borealis was seen in January on the 9th at Torquay.

In March on the 31st at Liverpool.

Snow. Throughout the month of January snow fell on every day from the 4th, with the exception of the 14th at one or other of the stations, and on several days it fell at all stations.

In February snow fell on every day, except on the 2nd, and from the 7th to the 13th mostly in midland and northern counties.

In March on eighteen different days at different stations, falling mostly in midland and northern counties.

Hail fell in January, on the 5th at Guernsey, Torquay, Liverpool, Stonyhurst, and Carlisle; on the 6th at Guernsey, Lowestoft, and Hull; on the 8th at Guernsey, Truro, Torquay, Ventnor, and Llandudno; on the 11th at Guernsey; on the 12th at Guernsey, and Truro; on the 13th at Guernsey, Truro, Plymouth, Torquay, Bath, Burslem; on the 15th at Liverpool, Halifax, and Stonyhurst; on the 16th at Guernsey, Torquay, Liverpool, Halifax, and Stonyhurst; on the 17th at Guernsey, Oxford, and Stonyhurst; on the 18th at Guernsey, Truro, Torquay, and Liverpool; on the 19th at Truro, Torquay; on the 20th at Torquay; on the 26th at Torquay; on the 30th at Llandudno; and on the 31st at Barnet, Oxford, Leicester, Nottingham, and Bradford.

In February, on the 1st at Torquay and Stonyhurst; on the 2nd and 3rd at Truro; on the 4th at Royston; on the 5th at Osborne; on the 6th at Cardington; and on the 27th at Oxford.

In March, on the 1st at Oxford; on the 2nd at Truro; on the 16th and 17th at Hull; on the 21st and 22nd at Rugby; on the 29th at Cambridge, Wolverhampton, Nottingham, and Hull; on the 30th at Truro, Rugby; on the 31st at Truro, Plymouth, Torquay, Osborne, Whitechurch, Barnet, Royston, Somerleyton, Burslem, Llandudno, Liverpool, Hull, Stonyhurst, and Bradford.

[illegible]

[illegible]

Rain-gauges are placed—

| | |
|----------------------|--------------|
| At Eastbourne at the | |
| " Beachey Head | " " |
| " " " | " Oxford |
| " " " | " Cardington |
| " " " | " Nottingham |
| " " " | " Holkham |

Fog prevailed in January, on the 1st at Bath and Leicester; on the 2nd at Guernsey, Bath, and Leicester; on the 3rd at Guernsey, Plymouth, Ventnor, Salisbury, and Bath; on the 4th at Guernsey; on the 5th at Leicester; on the 7th at Barnet and Oxford; on the 8th at Leicester; on the 10th at Torquay, Barnet, and Somerleyton; on the 11th at Ventnor, Osborne, and Whitechurch; on the 13th at Barnet; on the 14th at Leicester; on the 19th at Somerleyton, Leicester, Nottingham, Moulton, Bradford, and Leeds; on the 20th at Bath, Oxford, Cambridge, and Bradford; on the 22nd at Liverpool; on the 23rd at Cambridge; on the 24th at Guernsey, Bath, and Cambridge; on the 25th at Bath, Oxford, Cambridge, and Leicester; on the 26th at Bath, Barnet, and Cambridge; on the 27th at Torquay, Bath, Whitechurch, Barnet, Cambridge, and Wolverhampton; on the 28th at Salisbury, Bath, Wolverhampton, Barnet, Cambridge, Lowestoft, Somerleyton, Wolverhampton, Liverpool, and Bradford; and on the 29th at Barnet and Hull.

Rugby, Lowestoft, Somerleyton, Wolverhampton, Burslem, Liverpool, Hull, Stonyhurst, and Leeds; on the 12th at Plymouth, Torquay, Salisbury, Barnet, Royston, Cambridge, Somerleyton, Hull, and Leeds; on the 13th at Barnet, Cambridge, Lowestoft, and Somerleyton; on the 14th at Oxford; on the 15th at Royston, Cambridge, and Nottingham, Liverpool, and Leeds; on the 16th at Liverpool; on the 17th at Rugby; on the 21st at Wolverhampton; on the 22nd at Wolverhampton; on the 26th at Cambridge; on the 27th at Oxford and Wolverhampton; and on the 28th at Wolverhampton.

28th at Wolverhampton.
In March, on the 1st at Torquay and Ventnor; on the 5th at Hull; on the 13th, 14th, and 15th at Bath; on the 16th at Bath and Oxford; on the 17th at Guernsey, Bath, Whitechurch, Blackheath, Oxford, and Cardington; on the 18th at Torquay, Ventnor, Salisbury, Bath, and Oxford; on the 19th at Torquay, Bath, Whitechurch, Oxford, Wolverhampton, Burslem, and Liverpool; on the 20th at Torquay and Bath; on the 21st at Guernsey, Torquay, Ventnor, Bath, and Barnet; on the 22nd at Guernsey, Torquay, Ventnor, Salisbury, Cambridge, Wolverhampton, Burslem, and Braford; on the 23rd at Torquay, Oxford, and Lowestoft; on the 24th at Torquay, Whitechurch, Blackheath, Barnet, Oxford, Lowestoft, Wolverhampton, and Hull; on the 25th at Torquay and Ventnor; on the 27th at Stonyhurst; and on the 28th at Ventnor and Lowestoft.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | Mean of all Highest, Mean Monthly Range of Temperature, Mean Daily Range of Temperature, Mean Temperature of the Air, Mean Temperature of the Dew Point, Mean Elastic Force of Vapour, Mean Weight of Vapour in a cubic foot of Air, Mean additional Weight required for saturation, Mean degree of Humidity, Mean Weight of a cubic foot of Air, Mean Reading of Maximum in Rays of Sun, Mean Reading of Minimum on Grass, Mean Estimated Strength. | | | | | | | | | | WIND. | | | | RAIN. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|--|------|-----|------|---|---|---|---|---|---|------------------------|---|---|---|-----------------------|---|-----------------------|---|----------------------------------|---|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | Mean Amount of Ozone. | | Mean Amount of Cloud. | | Number of Days on which it fell. | | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | N. E. S. W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | gr. | grs. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° |

The highest temperatures of the air were at Carlisle, 67° 8; at Lancaster, 65° 5; at Leicester, 64° 5.

The lowest temperatures of the air were at Barnet, 7° 0; at Carlisle, 7° 7; at Hull, 9° 0.

The greatest ranges of temperature were at Salisbury, 18° 4; at Holkham, 13° 6; at Barnet, 13° 4.

The least ranges of temperature were at Liverpool, 7° 1; at Guernsey, 7° 5; at Lowestoft, 8° 1.

The greatest number of days of rain were at Guernsey, 64; at Hull, 62; at Salisbury and Liverpool, 59.

The least number of days of rain were at Blackheath, 36; at Eastbourne, 37; at Leicester, 38.

The greatest falls of rain were at Stonyhurst, 11.99 inches; at Truro, 11.65 inches; at Torquay, 11.60 inches.

The least falls of rain were at Lowestoft, 3.93 inches; at Somerleyton, 3.96 inches; at Cardington, 4.01 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | RAIN. | | |
|-----------------------------------|-------------|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|-----|-----------------------|-----------------------|----------------------------|-----------------------------|
| | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | Mean Amount of Cloud. | Number of Days it fell. | Mean Amount col- lected. |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | - - - | 29.735 | 61.8 | 29.0 | 32.8 | 44.3 | 36.8 | 28.2 | 7.5 | 40.7 | 35.9 | 211 | 2.4 | 85 | 549 | 76.8 | 34.9 | 1.7 | 9 | 7 | 7 | 7 | 3.1 | 7.7 | 64 | 10.35 | |
| Between the latitudes | 50° and 51° | 29.722 | 58.6 | 22.6 | 36.0 | 44.0 | 34.0 | 28.8 | 10.0 | 38.7 | 34.9 | 203 | 2.3 | 84 | 553 | 75.3 | 30.5 | 1.3 | 8 | 9 | 6 | 7 | - | 6.9 | 51 | 9.12 | |
| | 51° and 52° | 29.732 | 62.8 | 14.2 | 48.6 | 42.3 | 31.0 | 26.2 | 11.3 | 36.6 | 33.6 | 194 | 2.3 | 85 | 556 | 65.8 | 27.0 | 1.5 | 7 | 10 | 6 | 7 | 1.7 | 6.5 | 4.4 | 6.57 | |
| | 52° and 53° | 29.722 | 61.6 | 17.1 | 44.5 | 41.1 | 30.7 | 25.4 | 10.4 | 35.7 | 32.6 | 186 | 2.2 | 85 | 555 | 65.1 | 27.6 | 1.0 | 6 | 8 | 8 | 8 | 3.6 | 7.3 | 4.7 | 5.14 | |
| | 53° and 54° | 29.687 | 61.4 | 16.2 | 45.2 | 41.9 | 31.7 | 24.0 | 9.3 | 35.4 | 32.8 | 187 | 2.2 | 84 | 558 | 57.3 | 27.2 | 1.1 | 6 | 9 | 9 | 9 | - | 7.3 | 51 | 8.88 | |
| | 54° and 55° | 29.648 | 67.8 | 7.7 | 60.1 | 42.7 | 29.8 | 24.2 | 12.9 | 35.9 | 33.7 | 193 | 2.3 | 85 | 555 | 58.2 | 22.9 | 1.0 | 4 | 7 | 6 | 12 | 2.3 | 7.7 | 4.1 | 7.82 | |
| Mean for the Quarter, | 80° to 55° | 29.699 | 56.5 | 19.6 | 36.3 | 45.9 | 34.1 | 29.4 | 11.8 | 39.4 | 36.0 | 214 | 2.5 | 85 | 552 | 74.0 | 29.3 | 1.3 | 5 | 7 | 8 | 10 | 4.2 | 4.4 | 4.8 | 6.96 | |
| | " 1884 | 29.668 | 65.8 | 26.6 | 39.2 | 48.4 | 37.6 | 30.6 | 10.8 | 42.8 | 39.0 | 238 | 2.7 | 84 | 548 | 71.1 | 33.2 | 1.4 | 8 | 6 | 10 | 11 | 4.2 | 7.4 | 3.8 | 8.55 | |
| | " 1885 | 29.635 | 57.7 | 33.2 | 34.5 | 43.8 | 34.5 | 30.1 | 11.3 | 40.3 | 35.9 | 213 | 2.5 | 84 | 550 | 68.3 | 32.0 | 1.1 | 5 | 7 | 9 | 8 | 4.2 | 7.0 | 4.7 | 6.94 | |
| | " 1886 | 29.702 | 62.4 | 15.6 | 46.9 | 42.3 | 31.4 | 35.3 | 10.8 | 36.7 | 33.5 | 193 | 2.3 | 85 | 554 | 64.7 | 37.0 | 1.1 | 6 | 9 | 7 | 9 | 2.6 | 7.2 | 4.7 | 7.41 | |

| 1886. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|--|--------------|--|------------|--|----------------------|--|-----------------------------|--|---|--|------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | |
| | ° | ° | ° | ° | ° | ° | ° | ° | in. | in. | grs. | grs. | |
| April - | 46.4 | +0.3 | -0.7 | 44.0 | +0.1 | 41.1 | +0.6 | 16.9 | -1.5 | 0.238 | +0.005 | 3.0 | +0.1 |
| May - | 53.3 | +0.8 | +0.8 | 49.4 | +0.6 | 45.5 | +0.5 | 20.4 | -0.1 | 0.305 | +0.007 | 3.4 | +0.1 |
| June - | 57.8 | -0.4 | -1.1 | 53.1 | -1.4 | 48.9 | -1.8 | 21.7 | +0.7 | 0.346 | -0.024 | 3.8 | -0.4 |
| Means - | 52.5 | +0.2 | -0.4 | 48.8 | -0.2 | 45.2 | -0.2 | 19.7 | -0.3 | 0.303 | -0.002 | 3.4 | -0.1 |

| 1886. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Hori- zontal move- ment of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Amount. | Diff. from ave- rage of 71 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| April - | 82 | + 2 | in. 29.743 | -0.004 | grs. 544 | grs. + 1 | in. 1.26 | -0.49 | Miles. 355 | 1 | 27 | 2 | 24.0 | 41.1 |
| May - | 76 | - 3 | in. 29.758 | -0.030 | 537 | - 3 | 4.23 | +2.18 | 255 | 6 | 13 | 12 | 18.8 | 50.2 |
| June - | 73 | - 2 | in. 29.805 | -0.002 | 533 | + 1 | 0.44 | -1.55 | 239 | 1 | 10 | 19 | 28.6 | 47.8 |
| Means - | 77 | - 1 | in. 29.769 | -0.012 | 538 | 0 | Sum 5.93 | Sum +0.14 | Mean 280 | Sum 8 | Sum 50 | Sum 33 | Lowest 18.8 | Highest 50.2 |

Note.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|--------------------|--------|----------|-------------------------|-------|----------|-------------------------|-------|----------|-------------------------|
| | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 2 | 2½ | -½ | 1 | 1½ | -½ | 4½ | 2½ | +2½ |
| N. | 3½ | 4½ | -1 | 4½ | 4½ | 0 | 4½ | 3½ | +1½ |
| N.E. | 5½ | 6½ | -1 | 1½ | 7½ | -6 | 2 | 3½ | -1½ |
| E. | 8 | 3½ | +4½ | 10½ | 2½ | +8½ | 7½ | 2½ | +5½ |
| S.E. | 0 | 2½ | -2½ | 1½ | 1½ | 0 | ½ | 1½ | -1½ |
| S. | 2½ | 2½ | 0 | 4½ | 2½ | +2½ | 1½ | 2½ | -1½ |
| S.W. | 5½ | 6½ | -1 | 6½ | 8½ | -2½ | 3½ | 10 | -6½ |
| W. | 2½ | 2½ | 0 | 4½ | 2½ | +2½ | 5½ | 4 | +1½ |
| Calm. | ½ | 0 | +½ | 0 | 0 | 0 | 0 | 0 | 0 |

The plus sign (+) denotes excesses over averages; the largest numbers affected with this sign in the month of April are opposite to E. and S.; in May to E. and W.; and in June to E. and N.W.

The minus sign (-) denotes deficiencies below averages. In April the largest numbers are opposite to S.E., S.W., and N.; in May to N.E., N., and S.W.; and in June to S.W. and N.E.

From April to May there was an increase of temperature at stations south of 51° of 5.0°, between 51° and 52° of 5.6°, between 52° and 53° of 5.7°, between 53° and 54° of 5.1°, and north of 54° of 3.5°.

From May to June there was an increase of temperature at stations south of 51° of 4.8°, between 51° and 52° of 5.1°, between 52° and 53° of 4.4°, between 53° and 54° of 5.2°, and north of 54° of 6.3°.

The mean reading of the barometer at the height of 159 ft. above the level of the sea for the month of April was 29.743 ins., being 0.004 in. below the average of 45 years, 0.127 in., and 0.098 in., higher than in 1885 and 1884, respectively, and 0.083 in. lower than in 1883.

The mean reading of the barometer for the month of May was 29.758 ins., being 0.030 in. lower than the average of 45 years, 0.130 in. higher than in 1885, 0.066 in. and 0.026 in. lower than in 1884 and 1883 respectively.

The mean reading of the barometer for the month of June was 29.805 ins., being 0.002 in. lower than the average of 45 years, and 0.052 in. lower than in 1885 and 1884 respectively, and 0.012 in. higher than in 1883.

From March to April there was a decrease of pressure at stations south of 51° of 0.034 in., between 51° and 52° of 0.038 in., between 52° and 53°, of 0.032 in., between 53° and 54° of 0.140 in., and north of 54° of 0.006 in.

From April to May there was an increase of pressure at stations south of 51° of 0.017 in., between 51° and 52° of 0.017 in., between 52° and 53° of 0.008 in., between 53° and 54° of 0.006 in., and north of 54° a decrease of 0.016 in.

From May to June there was a decrease of pressure at stations south of 51° of 0.083 in., between 51° and 52° of 0.069 in., between 52° and 53° of 0.064 in., between 53° and 54° of 0.076 in., and north of 54° of 0.089 in.

About London the barometric pressure was on the first day of April above its average by 0.20 in., the daily deficiency for the ten following days was 0.20 in., from the 12th to the 17th the average daily excess was 0.24 in., for the next three days there was a slight deficiency of 0.08 in., from the 21st to the 26th the average daily excess equalled 0.13 in. then for the three following days, a daily deficiency of 0.13 in. From April 30th to May 9th there was a mean excess of 0.34 in. from May 10th to the 18th there was a deficiency, being 0.19 in. below the average values, for five days a slight excess, and then five days of a deficiency of atmospheric pressure, and for the last three days in May there being a mean daily excess of 0.06 in. For the first two days in June the readings were low, from the 3rd to the 5th they were higher, the excess averaging 0.16 in.; from June 6th to the 13th there was a deficiency of pressure to the amount of 0.10 in.; the next ten days being alternately five slightly above, and five slightly below their averages; and from June 24th to the end of the quarter there was a mean excess of 0.15 in. daily.

Thunderstorms occurred in April, on the 8th at Leicester; on the 9th at Ventnor, Whitechurch, Oxford, Lowestoft, Somerleyton, and Nottingham; on the 10th at Torquay; on the 24th at Bath Whitechurch, and Oxford; on the 26th at Torquay; on the 27th at Ventnor; and on the 28th at Plymouth, Salisbury, and Bath.

In May on the 12th at Torquay; on the 20th at Wolverhampton; on the 22nd at Blackheath, Barnet, Royston, and Cardington; on the 23rd at Blackheath, Barnet, Royston, Cardington, and Cambridge; on the 27th at Cardington; on the 29th at Burslem and Hull; on the 31st at Ventnor, Osborne, and Wolverhampton.

In June on the 1st at Blackheath, Oxford, Royston, Cardington, Wolverhampton, Leicester, Nottingham, and Burslem; on the 9th at Stonyhurst; on the 19th at Guernsey, Osborne, Southbourne, Salisbury, and Oxford.

Thunder was heard but lightning was not seen in April, on the 2nd at Torquay; on the 8th at Hull; on the 9th at Osborne and Lowestoft; on the 10th at Whitechurch and Carlisle; on the 18th at Cambridge; on the 25th at Guernsey; on the 27th at Llandudno; and on the 28th at Oxford and Hull.

In May on the 19th at Cardington, Cambridge, and Halifax; on the 20th at Whitechurch, Royston, Cardington, and Wolverhampton; on the 23rd at Blackheath and Hull; on the 25th at Hull; on the 29th at Wolverhampton, Nottingham, and Halifax; on the 30th at Wolverhampton, Burslem, Liverpool, Halifax, Hull, Stonyhurst, and Bradford; and on the 31st at Torquay and Wolverhampton.

In June, on the 1st at Cambridge, Wolverhampton, and Hull; on the 2nd at Osborne and Blackheath; on the 3rd at Burslem; on the 9th at Whitechurch, Leicester, Liverpool, Halifax, and Carlisle; on the 13th at Cambridge; on the 19th at Whitechurch, Wolverhampton, and Burslem; and on the 29th at Halifax.

Lightning was seen but thunder was not heard in April, on the 2nd at Guernsey; and on the 27th at Cambridge and Stonyhurst.

In May, on the 5th at Cambridge; on the 7th at Oxford; and on the 31st at Torquay.

In June, on the 1st at Torquay; on the 9th at Liverpool on the 10th at Carlisle; and on the 29th at Cambridge.

Solar halos were seen in April, on the 1st at Torquay and Oxford; on the 3rd at Oxford; on the 5th at Torquay and Oxford; on the 7th at Halifax and Stonyhurst; on the 12th at Stonyhurst; on the 14th at Torquay; on the 17th at Halifax; on the 19th at Osborne and Oxford; on the 20th at Torquay and Oxford; on the 24th at Oxford; on the 25th at Torquay and Oxford; on the 27th at Torquay; and on the 28th at Torquay and Oxford.

In May on the 2nd and 3rd at Torquay and Oxford; on the 4th at Torquay, Oxford, and Halifax; on the 7th at Torquay, Bath, Oxford, and Stonyhurst; on the 11th, 14th, and 15th at Torquay; on the 16th at Halifax; on the 19th at Torquay; on the 21st at Oxford; on the 26th and 30th at Torquay.

In June on the 5th at Torquay, Bath, and Oxford; on the 6th at Torquay; on the 7th at Stonyhurst on the 8th at Oxford; on the 11th, 14th, 15th, 21st, and 26th at Torquay; and on the 27th at Oxford.

Lunar halos were seen in April, on the 11th at Halifax; on the 12th at Burslem, and on the 13th at Guernsey, Halifax, and Stonyhurst.

In May, on the 15th at Torquay, Oxford, and Stonyhurst; on the 16th at Halifax, and on the 18th at Torquay and Oxford.

In June, on the 10th at Torquay.

Aurora Borealis was seen in April, on the 11th at Liverpool.

[Continued on page 71.]

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1886.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Names of Stations and Observers. | Height of Station Above Sea Level. | Months. | Year 1886. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|------------------------------------|---------|------------|-------|----------------------------------|----------------|------------------------------|--------------|----------------------|-------------------|------|------------|----------------|------------------------------|--------------------------------------|-------------------------|-------------------------|-------------------|-----------------------|-------|------------------------|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | Month. | Mean. | Range. | | Range. | Mean. | | Range. | Air. | Dew Point. | Elastic Force. | In a cubic foot of Air. | Mean Degree of Humidity, Sat. = 100. | Mean cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | | | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Of all Highest. | Of all Lowest. | | Daily Range. | Short of Saturation. | | | | | | | | | | | | Mean. | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1886. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Vapour. | | Mean Temperature. | | Wind. | | Mean Amount of Cloud. | | Rain. | | | | | | | | | |
|--|------------------------------------|------------|--------|----------------------------------|---------|------------------------------|-----------------|----------------|----------------|-------------------------|--|------------------------------|-------|------------------------|-------------------------|-------------------|-------------------------|-------------------|---------------------|-----|----|----|----|----|------|------|
| | | Month. | Mean. | Range. | | Range. | Mean. | | Elastic Force. | In a Cubic foot of Air. | Mean Degree of Humidity, $\text{Sat.} = 100$. | Mean Reading of Thermometer. | | Relative Proportion of | | | Number of Days it fell. | Amount collected. | | | | | | | | |
| | | | | Highest. | Lowest. | | Of all Highest. | Of all Lowest. | | | | Daily Range. | Air. | Dew Point. | Maximum in Rays of Sun. | Minimum on Grass. | | | Estimated Strength. | N. | E. | W. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BATH (Somerset), St. Gregory's College, Downside, Rev. F. J. ALMOND, O.S.B. | 295 | April | 29.257 | 1.119 | 71.1 | 39.9 | 40.2 | 39.7 | 37.4 | 15.3 | 44.3 | 40.0 | .247 | 2.9 | 0.5 | 82 | 338 | 105.0 | 34.8 | 1.3 | 11 | 6 | 6 | 7 | 19 | 3.65 |
| | | May | 29.271 | 1.257 | 70.6 | 41.1 | 39.5 | 38.1 | 14.8 | 49.7 | 43.7 | 40.0 | .286 | 3.1 | 0.8 | 81 | 532 | 111.1 | 40.1 | 1.2 | 7 | 5 | 11 | 8 | 18 | 5.43 |
| | | June | 29.285 | 0.550 | 75.4 | 43.7 | 61.1 | 48.6 | 15.6 | 55.1 | 50.6 | 45.7 | .369 | 4.1 | 0.8 | 85 | 532 | 122.3 | 45.2 | 1.1 | 11 | 5 | 9 | 11 | 20 | 0.86 |
| WHITCHURCH RECTORY (Oxon), (near Reading), Rev. J. SLATERS, M.A., F.R. Met. Soc. | 150 | April | 29.737 | 1.015 | 72.8 | 39.4 | 43.4 | 35.9 | 18.6 | 47.1 | 38.4 | .232 | 2.7 | 1.0 | 72 | 544 | — | — | 1.7 | 6 | 9 | 7 | 8 | 18 | 1.72 | |
| | | May | 29.750 | 1.361 | 77.2 | 33.7 | 44.5 | 33.9 | 15.5 | 46.6 | 42.9 | .277 | 3.2 | 1.3 | 71 | 539 | — | — | 1.2 | 4 | 6 | 12 | 9 | 19 | 3.69 | |
| | | June | 29.847 | 0.550 | 81.8 | 49.4 | 69.5 | 47.5 | 22.0 | 48.0 | 45.7 | .307 | 3.4 | 1.9 | 63 | 534 | — | — | 1.5 | 5 | 8 | 4 | 9 | 20 | 0.59 | |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 129 | April | 29.743 | 1.109 | 69.3 | 32.5 | 43.4 | 35.9 | 18.6 | 47.1 | 38.4 | .232 | 2.7 | 1.0 | 72 | 544 | 100.8 | 35.1 | — | — | — | — | — | — | 13 | 1.96 |
| | | May | 29.758 | 1.402 | 74.9 | 34.0 | 44.5 | 33.9 | 15.5 | 46.6 | 42.9 | .274 | 3.1 | 0.6 | 86 | 537 | 115.0 | 39.9 | — | — | — | — | — | — | 16 | 4.23 |
| | | June | 29.863 | 0.575 | 84.4 | 49.4 | 69.5 | 47.5 | 22.0 | 48.0 | 45.7 | .307 | 3.4 | 1.5 | 73 | 533 | 125.7 | 41.1 | — | — | — | — | — | — | 19 | 0.44 |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 150 | April | 29.738 | 1.054 | 69.5 | 31.5 | 34.0 | 32.8 | 39.1 | 13.7 | 45.5 | 38.3 | .233 | 2.7 | 0.8 | 75 | 545 | 97.1 | — | 0.9 | 7 | 11 | 6 | 6 | 14 | 1.29 |
| | | May | 29.750 | 1.400 | 74.5 | 30.3 | 44.2 | 33.9 | 15.5 | 46.6 | 42.9 | .274 | 3.1 | 0.8 | 78 | 539 | 105.4 | — | 0.9 | 8 | 12 | 9 | 4 | 10 | 15 | 4.22 |
| | | June | 29.769 | 0.562 | 79.8 | 49.4 | 69.5 | 47.5 | 22.0 | 48.0 | 45.7 | .307 | 3.4 | 1.5 | 70 | 534 | 116.9 | — | 0.9 | 8 | 10 | 4 | 8 | 13 | 0.47 | |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F.R. Met. Soc. | 125 | April | 29.797 | 1.060 | 69.0 | 32.2 | 37.4 | 37.4 | 40.1 | 16.8 | 46.8 | 39.3 | .241 | 2.8 | 0.9 | 76 | 545 | 92.3 | 35.0 | — | 8 | 10 | 4 | 8 | 15 | 1.32 |
| | | May | 29.808 | 1.401 | 74.9 | 34.0 | 43.1 | 39.9 | 14.6 | 18.3 | 43.9 | 39.5 | .286 | 3.2 | 1.3 | 72 | 539 | 94.8 | 39.5 | — | 8 | 9 | 5 | 5 | 19 | 4.79 |
| | | June | 29.864 | 0.575 | 84.4 | 49.4 | 69.5 | 47.5 | 22.0 | 48.0 | 45.7 | .307 | 3.4 | 1.9 | 63 | 534 | 112.5 | 44.7 | — | — | 12 | 8 | 5 | 7 | 19 | 0.54 |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 212 | April | 29.718 | 1.000 | 69.9 | 23.9 | 44.0 | 35.9 | 19.0 | 45.0 | 39.6 | .243 | 2.8 | 0.6 | 82 | 545 | 108.6 | 39.6 | 1.1 | 5 | 13 | 3 | 9 | — | 14 | 1.55 |
| | | May | 29.721 | 1.364 | 75.9 | 23.1 | 53.8 | 42.7 | 40.1 | 22.6 | 50.7 | 43.9 | .288 | 3.3 | 0.9 | 78 | 539 | 112.6 | 37.4 | 0.8 | 5 | 11 | 5 | 13 | 17 | 4.55 |
| | | June | 29.785 | 0.542 | 79.6 | 34.0 | 63.7 | 45.1 | 22.7 | 47.2 | 47.2 | .330 | 3.7 | 1.2 | 75 | 535 | 129.2 | 47.4 | — | — | 10 | 1 | 8 | 8 | 17 | 0.59 |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 212 | April | 29.685 | 1.125 | 69.3 | 29.9 | 39.4 | 35.5 | 39.3 | 16.2 | 46.9 | 40.8 | .239 | 2.8 | 0.7 | 79 | 543 | 104.7 | 33.4 | 3.1 | 8 | 8 | 7 | 7 | 18 | 2.35 |
| | | May | 29.695 | 1.357 | 72.9 | 30.4 | 42.5 | 37.4 | 35.6 | 16.9 | 45.0 | 39.5 | .261 | 2.9 | 1.7 | 77 | 534 | 105.5 | 39.3 | 2.3 | 8 | 12 | 6 | 9 | 14 | 4.64 |
| | | June | 29.776 | 0.575 | 79.1 | 39.6 | 56.5 | 49.2 | 19.8 | 57.5 | 49.1 | .345 | 3.9 | 1.4 | 74 | 533 | 118.7 | 44.2 | 2.2 | 12 | 5 | 4 | 9 | 9 | 11 | 1.50 |
| ROYSTON (Hertfordshire), HALE WORTHAM, Esq., F.R.A.S., F.R. Met. Soc. | 301 | April | 29.656 | 1.102 | 71.0 | 28.6 | 43.0 | 35.6 | 37.6 | 18.9 | 45.1 | 39.9 | .246 | 2.8 | 0.6 | 82 | 544 | — | — | — | 10 | 7 | 6 | 7 | 11 | 1.21 |
| | | May | 29.679 | 1.391 | 77.3 | 28.0 | 43.0 | 35.6 | 37.6 | 18.9 | 45.1 | 39.9 | .246 | 2.8 | 0.6 | 79 | 538 | — | — | — | 13 | 4 | 3 | 10 | 19 | 4.55 |
| | | June | 29.732 | 0.625 | 78.1 | 48.0 | 67.7 | 49.7 | 20.9 | 54.9 | 48.6 | .342 | 3.9 | 1.0 | 79 | 535 | 137.7 | — | — | — | 13 | 4 | 3 | 10 | 19 | 0.67 |
| BEDFORD, Cardington, Mr. J. McLEAREN, Assistant to S. WHITHEAD, Esq., M.P. | 105 | April | 29.817 | 1.110 | 73.5 | 28.0 | 45.5 | 37.4 | 19.0 | 43.1 | 38.8 | .239 | 2.7 | 0.7 | 78 | 547 | 85.9 | 38.7 | 1.8 | 9 | 6 | 7 | 5 | 9 | 14 | 2.04 |
| | | May | 29.822 | 1.310 | 77.8 | 29.5 | 47.8 | 36.1 | 42.8 | 14.9 | 43.9 | 38.9 | .242 | 2.8 | 1.3 | 79 | 540 | 97.7 | 37.1 | 1.5 | 9 | 6 | 10 | 9 | 17 | 4.50 |
| | | June | 29.882 | 0.600 | 80.0 | 48.0 | 67.9 | 54.1 | 13.8 | 47.7 | 47.5 | .333 | 3.7 | 1.0 | 81 | 535 | 107.7 | 42.9 | 1.2 | 12 | 6 | 3 | 10 | — | 14 | 0.50 |
| CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | 40 | April | 29.849 | 1.100 | 72.8 | 27.7 | 43.1 | 37.0 | 19.7 | 45.7 | 39.7 | .244 | 2.8 | 0.7 | 80 | 547 | 115.8 | 32.6 | 1.6 | 8 | 8 | 4 | 10 | — | 13 | 0.88 |
| | | May | 29.855 | 1.376 | 75.5 | 27.7 | 53.0 | 44.1 | 22.0 | 53.4 | 47.9 | .334 | 3.7 | 0.6 | 80 | 541 | 121.9 | 38.8 | 1.3 | 7 | 4 | 6 | 14 | — | 19 | 3.28 |
| | | June | 29.905 | 0.622 | 79.3 | 49.4 | 69.5 | 47.5 | 22.0 | 48.0 | 45.7 | .307 | 3.4 | 0.6 | 90 | 537 | 128.3 | 40.8 | 1.4 | 8 | 7 | 3 | 12 | — | 20 | 0.40 |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 89 | April | 29.814 | 1.092 | 67.0 | 33.0 | 44.0 | 35.9 | 18.6 | 47.1 | 38.4 | .232 | 2.7 | 0.8 | 82 | 549 | 109.6 | 33.3 | 2.1 | 5 | 11 | 5 | 9 | — | 12 | 1.16 |
| | | May | 29.839 | 1.364 | 77.1 | 29.8 | 37.3 | 37.6 | 15.8 | 45.9 | 43.9 | .287 | 3.3 | 0.8 | 81 | 542 | 103.2 | 40.7 | 1.8 | 5 | 8 | 10 | 8 | — | 12 | 1.89 |
| | | June | 29.881 | 0.593 | 80.0 | 48.0 | 67.9 | 54.1 | 13.8 | 47.8 | 47.5 | .333 | 3.7 | 1.0 | 82 | 543 | — | — | — | — | — | — | — | — | 11 | 1.19 |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.R. Met. Soc. | 50 | April | 29.860 | 1.120 | 69.1 | 27.1 | 43.9 | 34.6 | 17.2 | 49.1 | 44.0 | .288 | 3.2 | 1.0 | 82 | 543 | — | — | — | — | — | — | — | — | 11 | 2.17 |
| | | May | 29.871 | 1.371 | 72.1 | 27.1 | 49.9 | 39.4 | 17.3 | 49.1 | 44.0 | .288 | 3.2 | 1.0 | 82 | 543 | — | — | — | — | — | — | — | — | 11 | 0.56 |
| | | June | 29.914 | 0.736 | 73.0 | 48.4 | 63.6 | 46.3 | 14.3 | 52.6 | 48.2 | .339 | 3.8 | 0.7 | 85 | 541 | — | — | — | — | — | — | — | — | 8 | 0.56 |

| Year 1886. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | | Mean Amount of Ozone. | Amount of Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------------------------------------|-------------------------------------|----------------------------------|--------|----------|---------|------------------------------|-----------------|----------------|------|-------------------|----------------|----------------------------|-------------------------|---|--|----------------------------|----------------------|------------|---------------------------|--------------------------|--------------------|----|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | In a cubic foot of Air. | Short of Saturation. | Mean Degree of Humi- dity, Base = 100. | Mean Weight of a cubic foot of Air. | Maximum in Kays of Sun. | Minimum on Grass. | Estimated. | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Of all Heights. | Of all Lowest. | | | | | | | | | | | Daily Range. | | | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | feet. | | In. | In. | o | o | o | o | o | o | o | In. | grs. | grs. | grs. | grs. | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o | o |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Months. | Year 1886. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. | | | | | | | |
|--|------------------------------------|--|-----------------------------|--------------------------|----------------------------------|----------------------|------------------------------|----------------------|----------------------|----------------|-------------------|----------|------------|----------------|------------------------------|----------------------|--|-------------------------------------|-------------------------|-----------------------|-----------------------|----------------------|---------------------|------------------------|----|----|-------------------------|-------------------|----|
| | | | Mean. | Range. | Mean. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Air. | Dew Point. | Elastic Force. | In a cubic foot of Air. | Short of Saturation. | Mean Degree of Humidity, Saturated, = 100. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | | | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | Number of Days it fell. | Amount collected. | |
| | | | | | | | | | | | | | | | | | | | | | | | | N. | E. | S. | | | W. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CARLISLE, Spital (Cumberland), ISAAC CARTMEL, Esq., F. R. Met. Soc. | 114 | Apr. 29-758 May 29-742 June 29-831 | in. 1-370 1-364 1-364 | in. 69-7 69-2 70-4 | 29-5 29-8 30-4 | 34-1 34-1 34-1 | 17-1 17-7 17-7 | 44-3 47-8 48-4 | 39-7 43-4 45-3 | o | in. 0 | grs. 547 | grs. 0-6 | grs. 82 | 547 | 100-2 | 0-7 | 8 | 8 | 2 | 15 | 1-76 1-76 1-76 | 12 12 12 | 1-76 1-76 1-76 | | | | | |

Rain-gauges are placed—

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

At each house at the height of 100 feet above the sea; the amount collected was

[Continued from page 67.]

Snow fell in April, on the 3rd at Carlisle; on the 8th at Leicester; on the 9th at Torquay, Salisbury, Bath, Leicester, Burslem, and Carlisle; on the 10th at Plymouth, Torquay, Salisbury, Whitechurch, Royston, Cardington, Wolverhampton, Leicester, Burslem, Llandudno, Liverpool, Halifax, Stonyhurst, Bradford, and Carlisle; on the 11th at Torquay, Ventnor, Cardington, Nottingham, Burslem, Halifax, Stonyhurst, Bradford, and Leeds; on the 16th at Bath; on the 28th at Burslem, Halifax, and on the 29th at Whitechurch and Halifax.

In May, on the 14th at Leicester, Halifax, and Stonyhurst; on the 15th at Torquay, Bath, Burslem, Stonyhurst; on the 26th at Bath; on the 27th at Bath, Oxford, Cambridge; on the 28th at Bath; on the 29th at Truro, Oxford, and on the 30th at Burslem and Hull.

In June, on the 1st at Leicester; on the 9th at Halifax, and on the 23rd at Stonyhurst.

Fog prevailed in April, on the 4th at Plymouth; on the 5th at Guernsey, Ventnor; on the 12th and 13th at Plymouth; on the 14th at Plymouth and Stonyhurst; on the 18th at Lowestoft, Somerleyton; on the 19th at Cambridge, Lowestoft, Somerleyton, Liverpool; on the 22nd at Leicester; on the 23rd at Bath and Liverpool; on the 25th at Bath; on the 27th at Guernsey, Royston, and on the 28th at Plymouth, Bath, and Leicester.

In May, on the 9th at Plymouth; on the 10th at Osborne and Bath; on the 19th at Torquay, Bath, Lowestoft; on the 20th at Torquay, Ventnor, Bath; on the 22nd at Bath; on the 23rd at Torquay, Osborne, Bath; on the 24th at Bath and Bradford; on the 30th at Torquay, and on the 31st at Bath.

In June, on the 1st at Torquay; on the 2nd at Torquay and Bath; on the 3rd at Torquay; on the 7th and 9th at Liverpool; on the 10th at Cambridge; on the 11th at Torquay, and on the 28th at Llandudno and Liverpool.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|---|-----|-----------------------|-----------------------|---------------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Mean Amount of Days on which it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N. | E. | S. | W. | in. | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.633 | 71.1 | 34.5 | 36.6 | 58.6 | 46.3 | 30.2 | 12.3 | 51.2 | 46.0 | 313 | 3.5 | 0.7 | 83 | 537 | 100.3 | 41.3 | 0.8 | 7 | 6 | 6 | 11 | 2.7 | 5.7 | 42 | 7.65 |
| Truro | 29.649 | 80.0 | 30.0 | 30.0 | 61.9 | 45.3 | 38.3 | 16.6 | 61.4 | 43.6 | 286 | 3.2 | 1.1 | 76 | 542 | — | — | 2.3 | 7 | 8 | 7 | 8 | — | 6.2 | 38 | 6.15 |
| Plymouth | 29.629 | 76.2 | 35.4 | 40.8 | 60.4 | 47.0 | 30.9 | 13.1 | 52.6 | 46.4 | 318 | 3.7 | 0.9 | 80 | 540 | — | — | 1.3 | 6 | 9 | 6 | 9 | — | 6.4 | 38 | 4.72 |
| Torquay | 29.661 | 75.8 | 33.5 | 42.3 | 58.3 | 45.5 | 31.2 | 12.8 | 50.9 | 44.6 | 297 | 3.4 | 1.0 | 79 | 537 | 112.9 | 39.0 | 1.3 | 9 | 8 | 5 | 9 | 5.0 | 6.1 | 45 | 7.53 |
| Venator | 29.618 | 74.2 | 33.7 | 40.5 | 59.6 | 47.3 | 31.9 | 12.3 | 51.8 | 45.5 | 307 | 3.4 | 0.9 | 79 | 540 | — | — | 1.3 | 7 | 10 | 7 | 6 | — | 5.7 | 39 | 5.43 |
| Osborne | 29.611 | 83.1 | 31.6 | 51.5 | 62.5 | 45.3 | 41.4 | 17.2 | 52.2 | 47.6 | 332 | 3.7 | 0.7 | 84 | 538 | 109.7 | 43.6 | 0.2 | 7 | 7 | 8 | 8 | — | 6.0 | 56 | 5.23 |
| Southbourne | 29.64 | 75.2 | 30.0 | 45.2 | 58.7 | 44.6 | 34.6 | 14.1 | 51.0 | 45.0 | 305 | 3.4 | 0.8 | 80 | 541 | — | — | 1.3 | 9 | 9 | 6 | 6 | 6 | 5.3 | 39 | 6.63 |
| Brighton | 29.668 | 75.5 | 32.0 | 43.6 | 61.2 | 45.5 | 36.1 | 15.7 | 53.3 | 43.7 | 287 | 3.3 | 1.2 | 74 | 538 | 100.2 | — | 1.2 | 7 | 8 | 8 | 8 | — | 5.8 | 49 | 6.87 |
| Salisbury | 29.658 | 54.0 | 25.0 | 30.0 | 64.8 | 40.0 | 30.3 | 24.7 | 51.7 | 44.7 | 296 | 3.4 | 1.0 | 78 | 538 | 108.3 | 35.8 | 1.1 | 5 | 7 | 9 | 9 | — | 6.0 | 45 | 6.60 |
| Barnstaple | 29.645 | 50.0 | 32.0 | 48.0 | 63.6 | 49.0 | 38.5 | 14.6 | 54.9 | 45.6 | 309 | 3.5 | 1.4 | 71 | 536 | — | — | 1.2 | 5 | 6 | 9 | 10 | 3.2 | 40 | 8.57 | |
| Bath | 29.632 | 75.4 | 30.9 | 44.2 | 58.3 | 43.1 | 37.1 | 15.2 | 49.7 | 41.8 | 301 | 3.4 | 0.7 | 83 | 533 | 113.1 | 40.0 | 1.2 | 10 | 5 | 7 | 9 | — | 6.4 | 45 | 9.94 |
| Whitechurch | 29.687 | 81.8 | 28.7 | 33.1 | 63.1 | 43.0 | 44.8 | 20.1 | 52.5 | 42.3 | 272 | 3.1 | 1.4 | 69 | 539 | — | — | 1.5 | 6 | 8 | 8 | 9 | — | 5.8 | 49 | 6.58 |
| Royal Observatory | 29.637 | 81.4 | 29.1 | 32.3 | 63.1 | 43.5 | 43.9 | 19.7 | 52.5 | 45.2 | 303 | 3.4 | 1.1 | 77 | 538 | 113.5 | 37.7 | — | — | — | — | 4.4 | 6.7 | 36 | 5.93 | |
| Blackheath | 29.645 | 79.8 | 30.3 | 40.5 | 60.1 | 44.1 | 39.4 | 16.0 | 51.5 | 43.2 | 292 | 3.2 | 1.1 | 73 | 539 | 109.8 | — | 0.9 | 6 | 11 | 6 | 8 | — | 5.6 | 47 | 5.98 |
| Camden Square | 29.671 | 40.2 | 31.6 | 48.6 | 63.1 | 44.6 | 40.2 | 18.5 | 52.3 | 43.4 | 283 | 3.1 | 1.4 | 70 | 539 | 99.9 | 39.6 | — | 9 | 9 | 5 | 7 | — | 5.6 | 42 | 6.64 |
| Barnet | 29.684 | 79.6 | 32.1 | 37.5 | 62.1 | 40.7 | 47.8 | 11.4 | 50.3 | 43.6 | 286 | 3.3 | 0.9 | 78 | 540 | 117.1 | 38.0 | — | 7 | 11 | 5 | 10 | — | 5.9 | 37 | 6.69 |
| Oxford | 29.618 | 76.1 | 29.9 | 46.5 | 60.5 | 44.2 | 39.5 | 16.4 | 53.1 | 44.8 | 299 | 3.4 | 1.0 | 77 | 538 | 108.9 | 38.7 | 2.5 | 8 | 7 | 8 | 8 | 5.4 | 63 | 44 | 8.49 |
| Royton | 29.682 | 78.1 | 28.0 | 30.1 | 62.4 | 42.4 | 45.5 | 20.0 | 50.4 | 44.4 | 295 | 3.4 | 0.8 | 80 | 539 | — | — | 1.0 | 6 | 6 | 8 | 8 | — | 6.3 | 39 | 0.43 |
| Cardington | 29.664 | 50.0 | 36.5 | 33.3 | 62.6 | 42.2 | 47.6 | 20.7 | 51.0 | 43.7 | 289 | 3.2 | 1.0 | 86 | 541 | 96.9 | 39.0 | 1.5 | 9 | 6 | 6 | 9 | — | 5.7 | 40 | 6.54 |
| Cambridge | 29.659 | 79.8 | 23.5 | 65.8 | 45.5 | 41.7 | 48.8 | 21.8 | 50.9 | 46.6 | 324 | 3.6 | 0.6 | 86 | 538 | 125.3 | 37.4 | 1.4 | 8 | 6 | 4 | 12 | — | 6.3 | 40 | 4.66 |
| Somerleyton | 29.645 | 72.0 | 27.1 | 44.9 | 57.8 | 42.2 | 35.6 | 13.6 | 48.1 | 44.3 | 294 | 3.3 | 0.6 | 86 | 545 | — | — | 1.1 | 8 | 8 | 7 | 7 | 5.6 | 63 | 30 | 4.66 |
| Wolverhampton | 29.711 | 73.9 | 27.0 | 46.9 | 58.5 | 40.7 | 39.6 | 17.8 | 48.0 | 41.3 | 263 | 3.0 | 0.9 | 85 | 537 | — | — | 1.1 | 7 | 9 | 8 | 7 | 7.8 | 43 | 10.17 | |
| Leicester | 29.644 | 78.6 | 20.0 | 48.6 | 60.0 | 42.8 | 40.5 | 17.2 | 50.6 | 42.2 | 273 | 3.1 | 1.0 | 74 | 539 | 107.1 | 36.6 | 0.6 | 8 | 7 | 7 | 8 | — | 6.8 | 49 | 8.54 |
| Nottingham | 29.638 | 75.7 | 28.8 | 46.9 | 57.6 | 43.4 | 37.3 | 14.2 | 49.0 | 43.3 | 283 | 3.2 | 0.8 | 80 | 542 | 103.8 | 39.5 | 0.2 | 4 | 8 | 8 | 9 | 1.6 | 7.1 | 58 | 7.77 |
| Burslem | 29.647 | 73.8 | 28.9 | 44.4 | 56.5 | 42.8 | 35.3 | 13.7 | 48.5 | 42.2 | 272 | 3.1 | 0.8 | 79 | 548 | — | — | 1.1 | 6 | 9 | 8 | 8 | — | 7.0 | 58 | 8.84 |
| Llandudno | 29.631 | 70.1 | 32.5 | 37.6 | 56.6 | 44.9 | 29.3 | 11.7 | 49.8 | 43.9 | 291 | 3.3 | 0.8 | 81 | 542 | — | — | 0.9 | 4 | 8 | 4 | 15 | — | 6.7 | 38 | 7.07 |
| Liverpool | 29.643 | 49.9 | 33.6 | 36.3 | 56.8 | 45.1 | 30.7 | 11.7 | 49.3 | 42.1 | 273 | 3.1 | 0.9 | 76 | 540 | — | — | 1.4 | 8 | 10 | 6 | 12 | — | 6.2 | 50 | 7.07 |
| Halifax | 29.696 | 72.0 | 27.3 | 34.1 | 56.8 | 43.0 | 42.3 | 13.8 | 48.0 | 41.2 | 262 | 3.0 | 0.9 | 79 | 538 | 91.4 | 37.0 | 0.9 | 6 | 8 | 7 | 9 | — | 7.3 | 45 | 10.38 |
| Hull | 29.659 | 73.0 | 28.0 | 45.0 | 55.6 | 41.0 | 31.7 | 14.7 | 48.0 | 42.4 | 274 | 3.2 | 0.6 | 83 | 546 | 83.7 | 39.3 | 1.2 | 7 | 6 | 8 | 9 | — | 6.4 | 20 | 6.39 |
| Bradford | 29.647 | 71.8 | 30.2 | 41.4 | 56.0 | 43.5 | 34.5 | 12.5 | 48.4 | 40.6 | 254 | 2.9 | 1.0 | 75 | 538 | 77.3 | — | — | 9 | 5 | 7 | 9 | — | 7.0 | 48 | 7.76 |
| Leeds | 29.621 | 75.0 | 32.0 | 43.0 | 58.3 | 43.8 | 37.0 | 14.6 | 49.6 | 41.2 | 270 | 3.1 | 1.1 | 73 | 545 | — | — | 1.5 | 7 | 6 | 7 | 10 | — | 7.0 | 50 | 6.06 |
| Stonyhurst | 29.639 | 76.7 | 24.7 | 32.0 | 68.3 | 41.2 | 36.6 | 17.1 | 48.2 | 41.6 | 290 | 2.9 | 0.9 | 76 | 539 | 108.0 | 38.5 | — | 6 | 8 | 2 | 14 | — | 7.0 | 48 | 12.81 |
| Carlisle | 29.606 | 76.8 | 23.5 | 53.3 | 59.1 | 40.9 | 41.5 | 18.2 | 48.7 | 44.2 | 293 | 3.2 | 0.6 | 84 | 542 | 93.8 | 34.5 | 0.9 | 5 | 8 | 3 | 15 | 2.3 | 7.8 | 44 | 7.14 |

The highest temperatures of the air were at Salisbury, 84°0; at Osborne, 83°1; at Whitechurch, 81°0.

The lowest temperatures of the air were at Barnet, 22°1; at Cambridge and Carlisle, 23°5.

The greatest ranges of temperature were at Salisbury, 24°7; at Cambridge, 21°8; at Barnet, 21°4.

The least ranges of temperature were at Llandudno and Liverpool, 11°7; at Guernsey and Ventnor, 12°3.

The greatest number of days of rain were at Nottingham and Burslem, 58; at Liverpool, Hull, and Leeds, 50.

The least number of days of rain were at Somerleyton, 30; at Osborne and Royal Observatory, 36.

The greatest falls of rain were at Stonyhurst, 12.81 inches; at Halifax, 10.38 inches; at Wolverhampton, 10.17 inches.

The least falls of rain were at Somerleyton, 3.92 inches; at Cambridge, 4.06 inches; at Plymouth, 4.72 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Days of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | | |
|--|-------------|---|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|------|-----|----|-----------------------|-----------------------|---------------------------------|-----------------------------|-----|------|------|
| | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | Mean Number of Days it fell. | Mean Amount col- lected. | | | |
| | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | |
| Guernsey | - | in. | ° | ° | ° | ° | ° | ° | in. | grs. | gr. | grs. | ° | ° | ° | ° | | | | | | in. | | | | | |
| | 50° and 51° | 29.633 | 71.1 | 34.5 | 36.6 | 58.6 | 46.3 | 30.2 | 12.3 | 51.2 | 46.0 | 313 | 3.5 | 0.7 | 83 | 537 | 100.8 | 41.3 | 0.8 | 7 | 6 | 6 | 11 | 2.7 | 5.7 | 42 | 7.65 |
| Between | 51° and 52° | 29.635 | 77.4 | 32.4 | 45.0 | 69.2 | 45.8 | 34.7 | 14.4 | 51.7 | 45.4 | 308 | 3.4 | 0.9 | 79 | 540 | 111.3 | 41.3 | 1.4 | 8 | 8 | 7 | 8 | 5.9 | 39 | 5.99 | |
| | 52° and 53° | 29.656 | 79.8 | 28.5 | 51.0 | 62.1 | 43.6 | 42.3 | 18.5 | 51.9 | 44.2 | 292 | 3.3 | 1.1 | 75 | 538 | 109.7 | 38.3 | 1.3 | 7 | 7 | 10 | 3.9 | 5.7 | 42 | 7.27 | |
| | 53° and 54° | 29.641 | 76.4 | 37.8 | 48.9 | 69.9 | 43.3 | 41.3 | 17.6 | 49.6 | 43.5 | 287 | 3.2 | 0.8 | 82 | 541 | 108.3 | 38.3 | 1.0 | 8 | 8 | 7 | 8 | 5.7 | 45 | 7.00 | |
| | 54° and 55° | 29.606 | 76.8 | 23.5 | 53.3 | 59.1 | 40.9 | 41.5 | 18.2 | 48.7 | 44.2 | 293 | 3.2 | 0.6 | 84 | 542 | 93.8 | 34.5 | 0.9 | 5 | 8 | 3 | 15 | 2.3 | 7.8 | 44 | 7.14 |
| Mean for the Quarter, 50° to 55° | Year 1883 | 29.673 | 77.4 | 28.3 | 40.1 | 60.4 | 42.7 | 38.6 | 17.9 | 50.5 | 43.7 | 289 | 3.3 | 0.9 | 78 | 539 | 106.5 | 37.8 | 1.1 | 7 | 8 | 7 | 9 | 4.6 | 6.2 | 35 | 6.11 |
| | " 1884 | 29.643 | 81.4 | 28.1 | 53.3 | 60.4 | 42.7 | 40.6 | 18.0 | 50.6 | 43.9 | 288 | 3.5 | 1.0 | 77 | 550 | 104.5 | 38.5 | 1.0 | 7 | 8 | 6 | 9 | 3.9 | 6.1 | 32 | 4.43 |
| | " 1885 | 29.580 | 78.7 | 27.2 | 42.9 | 55.6 | 41.7 | 36.3 | 16.8 | 49.6 | 42.9 | 278 | 3.2 | 0.9 | 78 | 540 | 104.6 | 37.7 | 1.2 | 7 | 6 | 7 | 11 | 4.7 | 6.1 | 43 | 6.35 |
| | " 1886 | 29.642 | 76.8 | 28.4 | 48.4 | 59.6 | 43.1 | 38.9 | 16.5 | 49.9 | 43.8 | 290 | 3.3 | 0.9 | 79 | 540 | 102.6 | 38.1 | 1.4 | 7 | 8 | 6 | 10 | 3.3 | 6.6 | 43 | 7.14 |

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING SEPTEMBER 30, 1886.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING SEPTEMBER 30TH, 1886.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather during the first week in July was very fine and warm, with an almost cloudless sky, the temperature being as high as 90° at Osborne and exceeding 85° at many stations south

| Temperature of | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--|-------|--|-------|--|-------|--|-------|--|-----------------------------|--|---|--|
| Air. | | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | |
| 1886. MONTHS. | Mean. | Diff. from ave- rage of 115 years. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | | |
| July | 63.0 | +1.3 | +0.8 | 57.9 | +0.2 | 53.2 | -0.8 | 22.2 | +1.2 | 0.406 | -0.012 | 4.5 | grs. - 0.2 | | |
| Aug. | 62.0 | +1.1 | +0.6 | 58.4 | +1.0 | 55.5 | +1.6 | 20.5 | +0.7 | 0.441 | +0.023 | 4.9 | +0.2 | | |
| Sept. | 55.7 | +2.1 | +0.6 | 55.1 | +1.1 | 52.0 | +0.8 | 18.9 | +0.7 | 0.388 | +0.008 | 4.3 | -0.1 | | |
| Means | 61.2 | +1.5 | +0.7 | 57.1 | +0.8 | 53.6 | +0.5 | 20.5 | +0.9 | 0.412 | +0.006 | 4.6 | 0.0 | | |

| 1886. MONTHS. | Degrees of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|-------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|--|----------------------------------|---------------------------------|---------------|--|---|
| | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Mean. | Diff. from ave- rage of 45 years. | Amount. | Diff. from ave- rage of 71 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| July | 72 | - 3 | 29.747 | -0.051 | 526 | grs. - 2 | 2.51 | 0.00 | 256 | 0 | 4 | 27 | 37.9 | 53.8 |
| Aug. | 79 | + 3 | 29.816 | +0.033 | 528 | - 1 | 1.12 | -1.25 | 223 | 0 | 3 | 28 | 34.7 | 58.2 |
| Sept. | 79 | - 2 | 29.856 | +0.039 | 532 | - 1 | 1.24 | -1.21 | 279 | 0 | 12 | 18 | 31.0 | 56.1 |
| Means | 77 | - 1 | 29.806 | +0.014 | 529 | - 1 | Sum 4.87 | Sum -2.41 | Mean 233 | Sum 0 | Sum 19 | Sum 73 | Lowest 31.0 | Highest 58.2 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|-----------------------|-------|----------|-------------------------------|---------|----------|-------------------------------|------------|----------|-------------------------------|
| | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 2 | 3 | -1 | 7 | 3 | +4 | 2½ | 4 | +1½ |
| N. | 3 | 4 | -1 | 1 | 3 | -2 | 1½ | 6 | +4½ |
| N.E. | 0 | 3½ | -3½ | 2 | 3 | -1 | 8½ | 2 | -6½ |
| E. | 2 | 2 | 0 | 0 | 1½ | -1½ | 0 | 2 | +2 |
| S.E. | 1 | 1½ | -½ | 0 | 1½ | -1½ | 0 | 3 | -2½ |
| S. | 7 | 3 | +4 | 2 | 3 | -1 | 2 | 8 | -6 |
| S.W. | 11 | 10 | +1 | 16 | 12 | +4 | 13 | 3 | -10 |
| W. | 5 | 4 | +1 | 3 | 4 | -1 | 2 | 2 | +0 |

The sign (+) denotes excesses over averages; the numbers affected with this sign in July are opposite S., S.W., and W.; in August to N.W. and S.W.; and in September to N.E. and S.W.

The sign (-) denotes deficiencies below averages. In July this sign is opposite to the E. and its compounds; in August also opposite to the E. and compounds; and in September opposite to S., E. and N.

From June to July there was a mean increase of temperature at stations south of latitude 51° of 4°·1; at stations between 51° and 52° of 5°·4; at those between 52° and 53° of 5°·7, and north of this parallel of 4°·7.

From July to August there was a small decrease of mean temperature at stations south of latitude 52°, and at stations north of 52° there was generally a small increase of temperature.

From August to September there was a decrease of temperature at all stations of about 3°.

The mean reading of the barometer at the height of 159 ft. above the level of the sea for the month of July was 29.747 ins., being 0.051 in. below the average of 45 years, 0.249 in. lower than in 1885, 0.033 in. lower than in 1884, and 0.059 in. higher than in 1883.

The mean reading of the barometer for the month of August was 29.816 ins., being 0.033 in. above the average of 45 years, 0.020 in. higher than in 1885, 0.019 in. lower than in 1884, and 0.025 in. lower than in 1883.

The mean reading of the barometer for the month of September was 29.856 ins., being 0.059 in. above the average of 45 years, and 0.143 in. higher than in 1885, 0.021 in. higher than in 1884, and 0.208 in. higher than in 1883.

From June to July there was a decrease of atmospheric pressure at stations south of latitude 52° of 0.067 in. between latitudes 52° and 53° of 0.076 in., and north of this parallel of 0.111 in.

From July to August there was an increase at all stations, at those south of 51° of 0.036 in., and north of 51° of 0.080 in.

From August to September there was an increase of 0.008 in. at stations south of 51°, of 0.027 in. at stations situated between latitudes 51° and 52°, and of 0.043 in. at stations north of 52°.

About London the barometric pressure was above average till the 11th day of July, with the exception of the 7th and 8th, which were slightly below; the average daily excess of these 11 days was 0.16 in. From the 12th to August 2nd, the barometer reading was mostly below its average, the mean daily deficiency of pressure for these 22 days was 0.16 in.; from August 3rd to 9th there was a mean daily excess of pressure of 0.11 in. From the 10th to the 16th the pressure was variable. On the 10th it was 0.21 in. below the average, on the 11th and 12th was slightly above, on the 13th it was 0.36 in. below, on the 15th it was 0.18 in. above, and on the 16th was again below. From August 17th to September 3rd, the pressure was generally above the average, the mean daily excess of these 18 days was 0.072 in. From the 4th to the 12th of September there was a mean daily deficiency of 0.1 in., from the 13th to the 19th there was a mean daily excess of 0.16 in., there was a deficiency on the 20th, 21st, and 22nd, averaging 0.19 in. daily, and from the 23rd to the end of the month, the pressure was steady, in excess of the average by 0.18 in. daily.

Thunderstorms occurred in July, on the 19th at Guernsey and in the Midland and Northern Counties; on the 21st a little north of London and in the Midland and Northern Counties; on the 25th at Oxford, Cardington, Rugby, Nottingham, Halifax, Stonyhurst, and Bradford; on the 26th at Whitechurch, Halifax, and Hull; on the 30th at Guernsey; on the 31st at Cardington and Cambridge.

In August, on the 1st at Guernsey; on the 10th at Burslem; on the 13th at Royston, Cardington, and Nottingham; on the 16th at Royston.

In September, on the 3rd at Torquay, and Osborne; on the 4th at many places in the Western, Midland, and Northern Counties; and on the 5th at Bath.

Thunder was heard but lightning was not seen in July, on the 21st at Cambridge; on the 24th at Rugby; on the 25th at Plymouth, Torquay, Blackheath, and Cambridge; on the 26th at Rugby and Wolverhampton; on the 27th at Rugby; on the 31st at London, Barnet, and Hull.

In August, on the 5th at Carlisle; on the 13th at Rugby, Burslem, Halifax, and Stonyhurst; on the 16th at Cardington; on the 17th at Royston, Cambridge, and Lowestoft; and on the 18th and 19th at Halifax.

In September, on the 4th at Blackheath, Greenwich, and Cardington; and on the 5th at Halifax.

Lightning was seen but thunder was not heard in July, on the 21st at Carlisle.

In August, on the 17th at Royston and Cambridge; on the 23rd at Torquay; on the 24th at Hull.

In September, on the 1st at Greenwich and Lowestoft; on the 2nd at Cambridge; on the 3rd at Salisbury and Cardington; on the 4th at Oxford, Cardington, Lowestoft, Nottingham, Halifax, and Hull; on the 13th at Halifax; on the 18th at Torquay; and on the 27th at Hull.

Solar halos were seen in July, on the 8th at Torquay; on the 18th, the 20th, and 21st at Oxford; on the 28th at Halifax and Bradford; and on the 30th at Torquay.

In August on the 3rd at Torquay and Oxford; on the 5th at Torquay; on the 12th at Oxford and Halifax; on the 14th at Torquay and Halifax; on the 19th at Torquay; and on the 20th at Halifax.

In September on the 2nd at Halifax; on the 8th and 22nd at Oxford; and on the 28th at Torquay.

Lunar halos were not seen on any night in July and August.

In September they were seen on the 10th at Torquay and Halifax; and on the 11th at Torquay.

Aurora Borealis was seen in July, on the 27th at Torquay.

Hail fell in July, on the 25th at Oxford and Nottingham; and on the 31st at Royston.

In August on the 19th, 20th, 21st, 22nd, 24th, and 28th at Cambridge.

In September on the 5th at Wolverhampton.

Fog prevailed in July, on the 5th at Lowestoft; on the 8th at Cambridge; on the 13th and 15th at Guernsey; and on the 23rd and 25th at Torquay.

In August on the 1st and 5th at Torquay; on the 6th at Guernsey and Torquay; on the 7th at Guernsey; on the 9th at Guernsey and Torquay; on the 19th at Guernsey, Bath, and Stonyhurst; on the 20th at Royston and Hull; on the 21st at Guernsey, Bath, and Oxford; on the 22nd at Bath and Royston; on the 23rd at Wolverhampton; on the 24th at Bath, Lowestoft, Somerleyton, Wolverhampton, Hull, and Stonyhurst; on the 27th and 28th at Guernsey; on the 30th at Guernsey and Bath; and on the 31st at Guernsey.

In September on the 3rd at Torquay and Bath; on the 4th at Torquay, Bath, Cambridge and Wolverhampton; on the 10th at Cambridge; on the 12th at Torquay and Bath; on the 14th at Bath and Oxford; on the 17th, 19th, 20th, and 21st at Bath; and on the 26th at Oxford.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING SEPTEMBER 30TH, 1885.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1886. | Months. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean temperature. | | Vapour. | | Wind. | | | | Mean Amount of | | Rain. | |
|---|---------|------------------------------------|----------------------------------|-------|--------|------|------------------------------|------|--------|------|-------------------|------|----------------|------|------------------------|-------|----------------|-----|----------------|---|-------|------|
| | | | Mean. | | Range. | | Mean. | | Range. | | Air. | | Elastic Force. | | Relative Proportion of | | Mean Amount of | | | | | |
| | | | in. | feet. | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | ° | ° | ° | ° | ° | ° | | |
| | | | in. | feet. | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | ° | ° | ° | ° | ° | ° | | |
| GUERNSEY, ADOLPHUS COLLENETTE, Esq., F. R. Met. Soc. | July | 29.688 | 0.716 | 78.0 | 47.0 | 31.0 | 67.6 | 54.7 | 12.9 | 69.2 | 31.5 | .883 | 4.3 | 1.6 | 73 | 123.1 | 49.2 | 1.0 | 4 | 3 | 15 | 8.58 |
| | Aug. | 29.753 | 0.712 | 78.3 | 49.6 | 32.7 | 69.6 | 55.2 | 11.4 | 69.9 | 31.6 | .457 | 5.0 | 0.8 | 90 | 121.7 | 48.5 | 0.8 | 4 | 3 | 13 | 8.62 |
| | Sept. | 29.753 | 0.588 | 74.5 | 47.0 | 30.5 | 64.8 | 54.6 | 10.6 | 69.7 | 35.3 | .487 | 4.9 | 0.8 | 86 | 111.9 | 46.3 | 1.0 | 4 | 3 | 16 | 8.55 |
| TRURO (Cornwall). N. WHITLEY Esq., F. R. Met. Soc. | July | 29.882 | 0.740 | 82.0 | 43.0 | 32.0 | 70.6 | 54.1 | 16.5 | 69.0 | 32.4 | .394 | 4.4 | 1.4 | 76 | 120.0 | — | — | — | — | 15 | 3.80 |
| | Aug. | 29.843 | 0.800 | 84.0 | 43.0 | 34.0 | 70.9 | 54.0 | 18.0 | 69.3 | 35.6 | .441 | 4.9 | 0.7 | 88 | 131.3 | — | — | — | — | 13 | 3.85 |
| | Sept. | 29.825 | 0.810 | 80.0 | 42.0 | 33.0 | 69.7 | 51.5 | 15.2 | 67.1 | 33.3 | .407 | 4.7 | 0.7 | 87 | 124.4 | — | — | — | — | 9 | 3.49 |
| PLYMOUTH (Devon). J. MERRIFIELD Esq., LL.D., F. R. Met. Soc., F. R. Met. Soc. | July | 29.944 | 0.910 | 81.4 | 44.5 | 38.9 | 69.3 | 55.4 | 13.9 | 61.0 | 35.4 | .489 | 4.9 | 1.1 | 82 | 133.1 | — | — | — | — | 13 | 3.46 |
| | Aug. | 29.924 | 0.815 | 78.0 | 45.0 | 35.0 | 65.9 | 54.7 | 12.8 | 61.5 | 37.8 | .457 | 4.7 | 0.7 | 86 | 125.5 | — | — | — | — | 10 | 3.69 |
| | Sept. | 29.924 | 0.824 | 71.5 | 45.5 | 35.0 | 65.9 | 54.7 | 10.8 | 61.5 | 39.7 | .412 | 4.5 | 0.7 | 86 | 125.5 | — | — | — | — | 17 | 2.07 |
| TORQUAY, Babocombe (Devon). EDWIN E. GAIDE, Esq., F. R. Met. Soc. | July | 29.690 | 0.918 | 80.5 | 47.0 | 38.3 | 69.6 | 54.0 | 15.0 | 60.3 | 35.0 | .431 | 5.0 | 1.0 | 82 | 124.5 | 47.6 | 1.3 | 5 | 7 | 14 | 3.55 |
| | Aug. | 29.680 | 0.801 | 77.0 | 47.8 | 38.8 | 64.4 | 54.7 | 14.2 | 61.0 | 34.7 | .429 | 4.8 | 1.3 | 79 | 125.6 | 48.5 | 1.1 | 6 | 4 | 13 | 3.76 |
| | Sept. | 29.669 | 0.945 | 71.6 | 42.7 | 32.9 | 63.3 | 52.7 | 10.6 | 57.2 | 31.4 | .383 | 4.3 | 1.0 | 82 | 107.7 | 46.0 | 1.5 | 7 | 5 | 10 | 2.07 |
| VENTNOR (Isle of Wight) (Royal Naval Hospital for Consumption). HARLEY SAGAN, Esq. | July | 29.884 | 0.856 | 81.5 | 49.3 | 31.2 | 68.0 | 52.1 | 11.9 | 60.3 | 34.4 | .493 | 4.7 | 1.2 | 81 | 132.0 | — | — | — | — | 12 | 3.57 |
| | Aug. | 29.870 | 0.767 | 79.0 | 49.3 | 33.4 | 68.5 | 52.8 | 10.7 | 60.5 | 34.5 | .453 | 5.1 | 0.8 | 86 | 130.1 | — | — | — | — | 12 | 1.59 |
| | Sept. | 29.915 | 0.811 | 77.0 | 43.0 | 34.0 | 65.6 | 55.3 | 10.3 | 59.4 | 33.6 | .411 | 4.6 | 1.1 | 82 | 133.3 | — | — | — | — | 12 | 2.49 |
| EASTBOURNE, Miss W. L. HALL. | April | 29.853 | 0.908 | 66.9 | 31.2 | 35.7 | 56.1 | 40.3 | 15.8 | 46.3 | 44.2 | .290 | 3.3 | 0.3 | 93 | 149.8 | 37.4 | 0.4 | 7 | 6 | 9 | 1.3 |
| | May | 29.875 | 1.262 | 70.0 | 31.8 | 38.2 | 62.1 | 46.7 | 10.4 | 52.3 | 46.2 | .317 | 3.6 | 0.9 | 89 | 140.8 | 43.2 | 0.4 | 4 | 3 | 13 | 1.6 |
| | June | 29.967 | 0.468 | 75.2 | 42.7 | 35.5 | 67.3 | 49.5 | 17.8 | 67.0 | 45.6 | .359 | 3.5 | 1.5 | 72 | 137.7 | 43.0 | 0.4 | 2 | 3 | 9 | 0.98 |
| OSBORNE (Isle of Wight). J. R. MANN, Esq. | July | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Aug. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | Sept. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| SOUTHBOURNE, (near) Bourne- mouth (Hants). T. A. COXSON, Esq., M.D., B.A., F. R. Met. Soc. | July | 29.882 | 0.828 | 83.2 | 40.0 | 31.2 | 68.5 | 53.0 | 13.4 | 60.1 | 32.4 | .394 | 4.4 | 1.4 | 75 | 123.1 | — | — | — | — | 12 | 2.82 |
| | Aug. | 29.869 | 0.714 | 79.4 | 46.3 | 31.1 | 69.5 | 54.1 | 13.1 | 63.7 | 34.1 | .415 | 4.6 | 1.4 | 77 | 123.1 | — | — | — | — | 11 | 0.91 |
| | Sept. | 29.920 | 0.795 | 72.9 | 37.9 | 36.0 | 64.9 | 51.7 | 13.2 | 57.3 | 31.4 | .379 | 4.3 | 1.1 | 79 | 123.1 | — | — | — | — | 11 | 1.93 |
| SALISBURY (Wilton House). THOMAS CHALLIS, Esq. | July | 29.796 | 0.905 | 89.0 | 47.0 | 38.0 | 75.3 | 49.2 | 20.1 | 63.0 | 34.0 | .427 | 4.7 | 1.8 | 73 | 123.1 | 43.3 | 1.2 | 8 | 1 | 6 | 1.6 |
| | Aug. | 29.803 | 0.728 | 83.0 | 39.0 | 46.0 | 64.0 | 50.7 | 24.6 | 60.7 | 33.8 | .414 | 4.6 | 1.3 | 78 | 129.7 | 39.6 | 1.0 | 6 | 3 | 9 | 1.4 |
| | Sept. | 29.820 | 0.824 | 79.0 | 34.0 | 34.0 | 68.5 | 46.7 | 19.4 | 59.9 | 30.4 | .365 | 4.1 | 1.1 | 79 | 123.1 | 41.1 | 1.2 | 6 | 3 | 10 | 6.1 |
| BARNSTABLE (Devon). WILLIAM KNILL, Esq. | July | 29.887 | 0.910 | 88.0 | 43.0 | 35.5 | 69.5 | 52.3 | 11.5 | 64.5 | 39.0 | .401 | 4.5 | 1.2 | 82 | 123.1 | — | — | — | — | 12 | 1.07 |
| | Aug. | 29.925 | 0.808 | 77.5 | 48.0 | 39.5 | 70.8 | 55.0 | 16.8 | 61.9 | 35.5 | .439 | 4.8 | 1.4 | 79 | 123.1 | — | — | — | — | 12 | 2.68 |
| | Sept. | 29.972 | 0.830 | 77.0 | 48.0 | 39.0 | 69.0 | 54.1 | 13.9 | 60.2 | 31.4 | .389 | 4.3 | 1.6 | 72 | 123.1 | — | — | — | — | 10 | 2.63 |

| NAME OF STATIONS and OBSERVERS. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | | Mean Reading of Thermometer. | | | Wind. | | | Rain. | | | | | | | | | | |
|--|------------------------------------|----------------------------------|--------|------------------------------|--------|--------|---------|-------------------|--------|--------------|-------------|--------------|------------------------------|------------|----------------|-------|---------------------|-------------------------|--|-------------------------------------|-------------------------|-------------------|---------------------|------------------------|------|----|-----------------------|--------------------------|-----------------|
| | | Year 1855. | Month. | Mean. | | Range. | Lowest. | Highest. | Range. | All Highest. | All Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Shot or Saturation. | In a Cubic foot of Air. | Mean Degree of Humidity, Fahr., = 100. | Mean Weight of a cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | Mean Amount of Cloud. | Number of Days in Month. | Amount of Rain. |
| | | | | Mean. | Range. | | | | | | | | | | | | | | | | | | | %. | %. | %. | | | |
| BATH (Somerset), St. Gregory's College, Downside. REV. T. J. SLATTERY, O.S.B. | 255 | July | 29.267 | 0.783 | 79.7 | 48.4 | 31.5 | 68.1 | 53.0 | 15.1 | 59.5 | 63.9 | .416 | 4.7 | 1.0 | 82 | 531 | 185.1 | 48.7 | 1.8 | 8 | 14 | 5.7 | 15 | 2.83 | | | | |
| | | Aug. | 29.354 | 0.782 | 80.7 | 49.0 | 37.1 | 67.7 | 50.5 | 17.5 | 58.4 | 54.6 | .427 | 4.7 | 0.8 | 86 | 525 | 185.5 | 45.1 | 1.1 | 6 | 8 | 5.6 | 13 | 2.23 | | | | |
| | | Sept. | 29.376 | 0.787 | 71.3 | 37.8 | 35.5 | 65.2 | 40.1 | 14.1 | 59.0 | 52.0 | .360 | 4.3 | 0.7 | 87 | 525 | 185.6 | 40.7 | 1.0 | 6 | 5 | 6.0 | 14 | 5.08 | | | | |
| WHITCHURCH RECTORY (Oxon), (near Reading), M.A., F.R. Met. Soc. REV. J. ALMOND, O.S.B. | 120 | July | 29.766 | 0.845 | 88.0 | 41.2 | 46.8 | 74.1 | 61.9 | 23.7 | 61.9 | 51.0 | .373 | 4.1 | 2.1 | 67 | 538 | 189.6 | 1.5 | 5 | 4 | 13 | 13 | 3.16 | | | | | |
| | | Aug. | 29.765 | 0.845 | 88.0 | 41.2 | 46.8 | 74.1 | 61.9 | 23.7 | 61.9 | 51.0 | .373 | 4.1 | 2.1 | 67 | 538 | 189.6 | 1.5 | 5 | 4 | 13 | 13 | 3.16 | | | | | |
| | | Sept. | 29.805 | 0.845 | 88.0 | 41.2 | 46.8 | 74.1 | 61.9 | 23.7 | 61.9 | 51.0 | .373 | 4.1 | 2.1 | 67 | 538 | 189.6 | 1.5 | 5 | 4 | 13 | 13 | 3.16 | | | | | |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHAMBERLAIN, M.A., F.R.S., Astronomer Royal. | 120 | July | 29.744 | 0.844 | 80.8 | 40.5 | 40.1 | 72.7 | 53.8 | 18.9 | 62.4 | 54.6 | .435 | 4.7 | 1.6 | 75 | 535 | 189.1 | 1.1 | 4 | 8 | 14 | 10 | 1.94 | | | | | |
| | | Aug. | 29.828 | 0.716 | 80.5 | 40.7 | 40.1 | 72.7 | 53.8 | 18.9 | 62.4 | 54.6 | .435 | 4.7 | 1.6 | 75 | 535 | 189.1 | 1.1 | 4 | 8 | 14 | 10 | 1.94 | | | | | |
| | | Sept. | 29.774 | 0.774 | 83.5 | 40.8 | 43.7 | 66.7 | 51.6 | 15.1 | 58.6 | 52.1 | .388 | 4.3 | 1.2 | 78 | 532 | 188.7 | 0.6 | 2 | 10 | 14 | 5.8 | 8 | | | | | |
| BLACKHEATH (Kent), JAMES GLAUBER, Esq., F.R.S. | 120 | July | 29.800 | 0.922 | 87.5 | 44.4 | 43.1 | 74.4 | 64.0 | 20.4 | 62.6 | 53.5 | .412 | 4.5 | 1.8 | 73 | 538 | 189.5 | 0.9 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Aug. | 29.870 | 0.703 | 88.4 | 44.0 | 43.8 | 73.7 | 54.6 | 19.3 | 63.4 | 54.7 | .423 | 4.4 | 1.3 | 79 | 530 | 189.3 | 0.7 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Sept. | 29.907 | 0.825 | 84.2 | 42.0 | 43.0 | 68.5 | 52.5 | 16.5 | 61.2 | 54.3 | .378 | 4.3 | 1.4 | 73 | 534 | 189.4 | 4.7 | 1 | 12 | 8 | 5.1 | 11 | 1.73 | | | | |
| CAMDEN SQUARE (London), G. J. SYMOND, Esq., F.R. Met. Soc. | 123 | July | 29.727 | 0.910 | 80.0 | 39.4 | 40.0 | 73.5 | 50.0 | 23.5 | 60.8 | 52.2 | .391 | 4.4 | 1.6 | 73 | 538 | 189.5 | 0.6 | 2 | 10 | 14 | 5.8 | 8 | | | | | |
| | | Aug. | 29.704 | 0.774 | 87.3 | 40.0 | 47.3 | 73.1 | 50.2 | 22.9 | 60.8 | 52.2 | .391 | 4.4 | 1.6 | 73 | 538 | 189.5 | 0.6 | 2 | 10 | 14 | 5.8 | 8 | | | | | |
| | | Sept. | 29.855 | 0.835 | 83.9 | 38.8 | 44.2 | 68.0 | 50.8 | 16.1 | 57.9 | 51.5 | .381 | 4.3 | 1.4 | 73 | 534 | 189.4 | 4.7 | 1 | 12 | 8 | 5.1 | 11 | 1.73 | | | | |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 212 | July | 29.727 | 0.888 | 83.9 | 43.0 | 40.0 | 71.4 | 53.5 | 17.9 | 62.3 | 53.9 | .407 | 4.6 | 0.9 | 79 | 537 | 189.5 | 0.9 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Aug. | 29.771 | 0.775 | 88.7 | 43.9 | 40.8 | 70.1 | 63.4 | 16.7 | 61.4 | 54.7 | .425 | 4.8 | 1.2 | 79 | 530 | 189.3 | 0.7 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Sept. | 29.800 | 0.828 | 84.2 | 41.1 | 39.6 | 69.0 | 50.8 | 16.1 | 57.9 | 51.5 | .381 | 4.3 | 1.4 | 73 | 534 | 189.4 | 4.7 | 1 | 12 | 8 | 5.1 | 11 | 1.73 | | | | |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 212 | July | 29.682 | 0.931 | 85.7 | 43.0 | 40.0 | 71.4 | 53.5 | 17.9 | 62.3 | 53.9 | .407 | 4.6 | 0.9 | 79 | 537 | 189.5 | 0.9 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Aug. | 29.731 | 0.731 | 86.0 | 43.7 | 43.3 | 73.3 | 52.8 | 19.3 | 61.0 | 54.5 | .425 | 4.8 | 1.2 | 79 | 530 | 189.3 | 0.7 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Sept. | 29.780 | 0.726 | 81.0 | 37.2 | 40.8 | 67.8 | 49.7 | 18.1 | 57.0 | 50.4 | .367 | 4.1 | 1.1 | 79 | 533 | 189.5 | 0.9 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| ROYSTON (Hertfordshire), H. W. MARTIN, Esq., F.R.A.S., F.R. Met. Soc. | 269 | July | 29.621 | 0.931 | 85.7 | 43.0 | 40.0 | 71.4 | 53.5 | 17.9 | 62.3 | 53.9 | .407 | 4.6 | 0.9 | 79 | 537 | 189.5 | 0.9 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Aug. | 29.731 | 0.731 | 86.0 | 43.7 | 43.3 | 73.3 | 52.8 | 19.3 | 61.0 | 54.5 | .425 | 4.8 | 1.2 | 79 | 530 | 189.3 | 0.7 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| | | Sept. | 29.780 | 0.726 | 81.0 | 37.2 | 40.8 | 67.8 | 49.7 | 18.1 | 57.0 | 50.4 | .367 | 4.1 | 1.1 | 79 | 533 | 189.5 | 0.9 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| BEDFORD, Carleton, Assistant to Mr. J. McCLAREY, M.P. | 105 | July | 29.914 | 0.914 | 88.4 | 42.4 | 40.6 | 74.9 | 61.7 | 23.2 | 62.5 | 51.2 | .377 | 4.2 | 2.1 | 67 | 538 | 189.5 | 1.4 | 10 | 1 | 9 | 11 | 3.36 | | | | | |
| | | Aug. | 29.885 | 0.784 | 89.0 | 40.0 | 40.0 | 73.9 | 61.0 | 22.0 | 62.6 | 51.9 | .388 | 4.2 | 2.1 | 69 | 539 | 189.7 | 1.2 | 10 | 1 | 9 | 11 | 3.36 | | | | | |
| | | Sept. | 29.904 | 0.880 | 80.0 | 39.0 | 43.0 | 68.7 | 49.9 | 19.4 | 58.2 | 50.2 | .364 | 4.1 | 1.4 | 73 | 535 | 189.5 | 0.9 | 3 | 6 | 9 | 10 | 5.6 | | | | | |
| CAMBRIDGE (Trinity College), J. W. L. GLAUBER, Esq., M.A., F.R.S. | 40 | July | 29.953 | 0.906 | 88.1 | 41.3 | 40.8 | 75.3 | 61.5 | 23.8 | 61.0 | 55.1 | .434 | 4.8 | 1.3 | 79 | 539 | 189.7 | 1.2 | 10 | 1 | 9 | 11 | 3.36 | | | | | |
| | | Aug. | 29.960 | 0.775 | 89.7 | 44.6 | 42.1 | 73.8 | 61.0 | 21.3 | 61.3 | 55.4 | .438 | 4.8 | 1.2 | 81 | 539 | 189.7 | 1.2 | 10 | 1 | 9 | 11 | 3.36 | | | | | |
| | | Sept. | 29.914 | 0.756 | 80.1 | 43.0 | 43.0 | 68.0 | 49.3 | 19.3 | 58.1 | 53.9 | .418 | 4.7 | 0.7 | 85 | 533 | 189.5 | 1.5 | 4 | 6 | 9 | 10 | 5.6 | | | | | |
| RUGBY (Warwickshire), Stockton, The Rectory, Rev. W. TUCKWILL. | 280 | July | 29.580 | 0.858 | 85.5 | 39.5 | 42.0 | 73.4 | 53.0 | 20.1 | 60.7 | 53.2 | .407 | 4.5 | 1.4 | 76 | 535 | 189.5 | 0.4 | 6 | 3 | 10 | 12 | 5.8 | | | | | |
| | | Aug. | 29.607 | 0.772 | 89.0 | 41.0 | 45.0 | 72.0 | 61.1 | 20.9 | 60.6 | 54.1 | .420 | 4.7 | 1.0 | 83 | 538 | 189.4 | 0.5 | 4 | 3 | 10 | 13 | 5.9 | | | | | |
| | | Sept. | 29.668 | 0.772 | 81.3 | 36.0 | 44.7 | 66.0 | 46.8 | 19.2 | 53.2 | 52.2 | .362 | 4.4 | 0.6 | 88 | 535 | 189.4 | 0.6 | 7 | 8 | 10 | 13 | 5.9 | | | | | |
| LOWESTOFT (Suffolk), S. H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 39 | June | 29.571 | 0.692 | 70.5 | 40.5 | 39.8 | 60.8 | 47.6 | 13.0 | 53.1 | 47.9 | .384 | 3.8 | 0.7 | 82 | 539 | 189.7 | 2.1 | 12 | 8 | 4 | 7 | 6.8 | | | | | |
| | | July | 29.765 | 0.924 | 81.0 | 42.0 | 39.0 | 67.9 | 61.3 | 13.8 | 53.8 | 52.8 | .401 | 4.4 | 1.2 | 80 | 538 | 189.6 | 1.7 | 7 | 4 | 16 | 11 | 5.31 | | | | | |
| | | Aug. | 29.838 | 0.743 | 77.1 | 43.0 | 33.7 | 67.8 | 52.6 | 15.2 | 59.4 | 54.0 | .417 | 4.7 | 1.0 | 83 | 531 | 189.7 | 1.0 | 6 | 9 | 10 | 11 | 5.3 | | | | | |
| | | Sept. | 29.914 | 0.859 | 79.0 | 43.0 | 36.0 | 67.9 | 55.5 | 13.9 | 59.4 | 52.2 | .402 | 4.4 | 1.0 | 78 | 533 | 189.6 | 1.0 | 6 | 9 | 10 | 11 | 5.3 | | | | | |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.R. Met. Soc. | 50 | July | 29.341 | 1.010 | 82.2 | 41.2 | 41.0 | 69.1 | 61.5 | 16.7 | 58.7 | 52.7 | .397 | 4.4 | 1.2 | 80 | 532 | 189.4 | 1.0 | 6 | 4 | 9 | 12 | 5.9 | | | | | |
| | | Aug. | 29.915 | 0.782 | 81.0 | 41.5 | 39.5 | 65.8 | 62.7 | 16.0 | 59.4 | 54.5 | .435 | 4.8 | 0.9 | 84 | 535 | 189.4 | 1.0 | 6 | 4 | 9 | 12 | 5.9 | | | | | |
| | | Sept. | 29.973 | 0.564 | 83.2 | 42.5 | 40.9 | 66.1 | 63.2 | 13.9 | 58.0 | 54.0 | .418 | 4.7 | 0.7 | 87 | 535 | 189.4 | 1.0 | 6 | 4 | 9 | 12 | 5.9 | | | | | |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | grs. | grs. | grs. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | |
| Guernsey | 29.595 | 78.0 | 47.0 | 31.0 | 83.5 | 54.1 | 27.1 | 11.6 | 59.9 | 54.5 | .426 | 4.7 | 1.1 | 83 | 529 | 118.6 | 48.1 | 0.9 | 5 | 5 | 6 | 14 | 3.7 | 4.8 | 44 | 8.00 |
| Truro | 29.476 | 85.0 | 42.0 | 43.0 | 69.1 | 53.2 | 38.0 | 15.9 | 58.8 | 53.8 | .439 | 4.6 | 0.9 | 84 | 532 | 118.6 | 48.1 | 1.2 | 6 | 5 | 8 | 11 | 1 | 6.5 | 37 | 9.09 |
| Plymouth | 29.593 | 83.4 | 44.5 | 38.9 | 69.9 | 54.4 | 39.3 | 12.5 | 60.1 | 55.3 | .439 | 4.9 | 0.8 | 84 | 531 | 118.6 | 48.1 | 1.2 | 5 | 5 | 8 | 12 | 1 | 6.5 | 39 | 7.73 |
| Torquay | 29.535 | 83.3 | 42.4 | 40.9 | 67.0 | 53.7 | 31.9 | 13.3 | 59.7 | 53.8 | .441 | 4.7 | 1.1 | 81 | 528 | 119.3 | 47.4 | 1.3 | 6 | 5 | 8 | 12 | 1 | 6.0 | 40 | 6.80 |
| Venmor | 29.531 | 81.5 | 43.0 | 38.5 | 67.4 | 53.1 | 39.2 | 11.3 | 60.2 | 54.8 | .441 | 4.8 | 1.0 | 83 | 531 | 118.6 | 48.1 | 1.2 | 6 | 5 | 7 | 12 | 1.7 | 5.4 | 36 | 7.35 |
| Eastbourne | 29.520 | 80.2 | 43.3 | 40.7 | 69.7 | 53.5 | 37.5 | 16.1 | 57.6 | 53.8 | .444 | 4.6 | 1.4 | 77 | 529 | 118.6 | 48.1 | 1.2 | 6 | 5 | 8 | 12 | 1 | 5.1 | 34 | 7.14 |
| Osborne | 29.520 | 80.2 | 43.3 | 40.7 | 69.7 | 53.5 | 37.5 | 16.1 | 57.6 | 53.8 | .444 | 4.6 | 1.4 | 77 | 529 | 118.6 | 48.1 | 1.2 | 6 | 5 | 8 | 12 | 1 | 5.1 | 34 | 7.14 |
| Southbourne | 29.591 | 85.2 | 37.9 | 47.3 | 67.6 | 54.9 | 36.1 | 14.7 | 59.6 | 52.0 | .395 | 4.4 | 1.3 | 77 | 532 | 118.6 | 48.1 | 1.4 | 8 | 4 | 8 | 11 | 1 | 4.6 | 30 | 6.06 |
| Salisbury | 29.578 | 89.0 | 34.0 | 35.0 | 72.7 | 48.5 | 46.3 | 24.2 | 60.4 | 52.6 | .402 | 4.5 | 1.4 | 77 | 530 | 113.5 | 41.3 | 1.1 | 7 | 2 | 8 | 13 | 1 | 6.0 | 43 | 5.48 |
| Barnstaple | 29.550 | 83.0 | 48.0 | 35.0 | 70.4 | 56.6 | 39.9 | 13.7 | 62.2 | 55.3 | .440 | 4.9 | 1.4 | 78 | 539 | 120.0 | 44.3 | 1.1 | 6 | 3 | 8 | 13 | 1 | 5.8 | 42 | 8.14 |
| Bath | 29.556 | 80.7 | 37.8 | 42.9 | 66.3 | 50.9 | 34.0 | 15.5 | 57.9 | 53.3 | .411 | 4.6 | 0.8 | 85 | 534 | 120.0 | 44.3 | 1.1 | 6 | 3 | 8 | 13 | 1 | 6.0 | 29 | 5.18 |
| Whitechurch | 29.450 | 80.8 | 40.3 | 40.5 | 72.7 | 52.1 | 45.4 | 20.3 | 61.2 | 53.6 | .412 | 4.6 | 1.3 | 77 | 529 | 114.0 | 47.7 | 0.8 | 5 | 3 | 11 | 11 | 1 | 5.5 | 28 | 4.46 |
| Royal Observatory | 29.554 | 80.8 | 40.3 | 40.5 | 72.7 | 52.1 | 45.4 | 20.3 | 61.2 | 53.6 | .412 | 4.6 | 1.3 | 77 | 529 | 114.0 | 47.7 | 0.8 | 5 | 3 | 11 | 11 | 1 | 5.5 | 28 | 4.46 |
| Blackheath | 29.555 | 86.8 | 40.8 | 46.0 | 70.0 | 53.1 | 41.3 | 17.0 | 61.1 | 54.2 | .420 | 4.6 | 1.4 | 77 | 529 | 114.0 | 47.7 | 0.8 | 5 | 3 | 11 | 11 | 1 | 5.5 | 28 | 4.46 |
| Camden Square | 29.535 | 83.4 | 42.2 | 45.2 | 72.2 | 53.8 | 43.0 | 18.5 | 61.4 | 53.6 | .404 | 4.5 | 1.6 | 74 | 530 | 115.2 | 46.8 | 0.8 | 7 | 6 | 3 | 14 | 1 | 5.2 | 23 | 4.86 |
| Barnet | 29.611 | 87.3 | 38.8 | 48.5 | 71.6 | 49.7 | 45.0 | 21.9 | 59.8 | 53.7 | .405 | 4.5 | 1.4 | 77 | 528 | 118.8 | 46.2 | 2.4 | 6 | 4 | 10 | 10 | 2.9 | 5.8 | 28 | 7.19 |
| Oxford | 29.569 | 83.9 | 41.1 | 42.8 | 69.5 | 52.6 | 38.4 | 18.9 | 60.6 | 53.2 | .405 | 4.5 | 1.4 | 77 | 528 | 118.8 | 46.2 | 2.4 | 6 | 4 | 10 | 10 | 2.9 | 5.8 | 28 | 7.19 |
| Royston | 29.616 | 86.0 | 37.2 | 48.8 | 71.3 | 51.5 | 42.9 | 19.8 | 59.4 | 53.0 | .401 | 4.5 | 1.1 | 79 | 539 | 118.6 | 48.1 | 1.2 | 9 | 3 | 7 | 11 | 1 | 5.3 | 29 | 5.11 |
| Cardington | 29.614 | 89.2 | 37.0 | 35.2 | 72.4 | 50.9 | 43.1 | 21.2 | 61.1 | 51.1 | .376 | 4.2 | 1.9 | 70 | 531 | 102.9 | 46.6 | 1.2 | 9 | 3 | 7 | 11 | 1 | 5.3 | 29 | 5.11 |
| Cambridge | 29.536 | 88.1 | 38.0 | 50.1 | 72.6 | 50.9 | 43.7 | 21.7 | 60.9 | 54.8 | .430 | 4.8 | 1.1 | 82 | 531 | 131.3 | 46.0 | 1.4 | 4 | 5 | 9 | 12 | 1 | 5.8 | 29 | 6.47 |
| Rugby | 29.549 | 86.0 | 36.6 | 49.4 | 70.1 | 59.7 | 44.2 | 20.1 | 58.7 | 53.3 | .406 | 4.3 | 1.0 | 82 | 539 | 118.6 | 48.1 | 0.5 | 6 | 5 | 10 | 10 | 1 | 5.9 | 38 | 5.72 |
| Lowestoft | 29.510 | 81.0 | 42.0 | 39.0 | 67.1 | 52.7 | 37.7 | 14.4 | 59.1 | 53.0 | .403 | 4.6 | 1.2 | 80 | 532 | 114.1 | 43.8 | 1.9 | 8 | 5 | 8 | 11 | 4.7 | 5.4 | 37 | 6.85 |
| Somerleyton | 29.551 | 83.2 | 41.2 | 42.0 | 68.2 | 52.1 | 40.5 | 16.0 | 58.7 | 53.7 | .413 | 4.6 | 0.9 | 84 | 533 | 118.6 | 48.1 | 1.0 | 6 | 5 | 10 | 9 | 1 | 6.0 | 35 | 7.53 |
| Wolverhampton | 29.647 | 81.8 | 34.4 | 47.4 | 67.4 | 50.9 | 38.4 | 17.4 | 55.5 | 50.9 | .364 | 4.1 | 1.0 | 79 | 528 | 115.1 | 40.5 | 0.7 | 6 | 5 | 10 | 12 | 1 | 6.1 | 44 | 7.14 |
| Leicester | 29.582 | 85.6 | 41.0 | 44.0 | 69.1 | 51.9 | 39.4 | 17.2 | 59.9 | 50.7 | .369 | 4.1 | 1.7 | 72 | 528 | 115.1 | 40.5 | 0.7 | 6 | 5 | 9 | 12 | 1.6 | 6.3 | 47 | 7.66 |
| Nottingham | 29.541 | 83.5 | 42.7 | 40.8 | 67.1 | 51.9 | 38.0 | 15.3 | 58.3 | 52.8 | .400 | 4.5 | 0.9 | 83 | 532 | 119.7 | 47.8 | 1.2 | 8 | 3 | 12 | 8 | 1 | 5.8 | 33 | 6.69 |
| Holkham | 29.543 | 80.7 | 37.0 | 43.7 | 67.0 | 47.1 | 41.4 | 19.9 | 57.1 | 52.0 | .389 | 4.4 | 0.8 | 83 | 535 | 121.6 | 41.1 | 1.2 | 5 | 5 | 9 | 11 | 1 | 6.4 | 44 | 7.51 |
| Burslem | 29.560 | 80.3 | 38.5 | 41.8 | 64.7 | 51.1 | 33.7 | 13.6 | 56.8 | 51.5 | .379 | 4.3 | 0.9 | 82 | 535 | 118.6 | 48.1 | 1.2 | 5 | 5 | 9 | 11 | 1 | 7.0 | 39 | 7.40 |
| Llandudno | 29.537 | 78.0 | 43.0 | 35.0 | 64.2 | 53.3 | 27.9 | 10.9 | 58.1 | 50.8 | .373 | 4.2 | 1.2 | 77 | 533 | 118.6 | 48.1 | 1.2 | 5 | 5 | 8 | 13 | 1 | 6.3 | 40 | 9.01 |
| Liverpool | 29.574 | 77.1 | 41.8 | 35.3 | 64.9 | 53.5 | 29.2 | 11.4 | 57.7 | 50.2 | .364 | 4.1 | 1.2 | 76 | 531 | 118.6 | 48.1 | 1.2 | 5 | 5 | 8 | 13 | 1 | 7.0 | 40 | 9.28 |
| Hull | 29.551 | 82.0 | 40.0 | 42.0 | 65.8 | 49.0 | 38.6 | 16.8 | 56.3 | 50.9 | .368 | 3.9 | 1.2 | 76 | 531 | 118.6 | 48.1 | 1.2 | 5 | 5 | 9 | 11 | 1 | 6.2 | 44 | 5.68 |
| Bradford | 29.567 | 79.5 | 40.0 | 39.0 | 65.7 | 52.9 | 34.3 | 12.8 | 57.9 | 49.3 | .352 | 4.0 | 1.4 | 73 | 527 | 114.7 | 45.5 | 1.1 | 3 | 4 | 7 | 13 | 1 | 6.8 | 46 | 8.00 |
| Leeds | 29.556 | 82.0 | 42.0 | 40.0 | 66.8 | 53.1 | 34.0 | 13.7 | 58.7 | 51.0 | .375 | 4.2 | 1.4 | 76 | 531 | 118.6 | 48.1 | 1.2 | 5 | 5 | 8 | 11 | 1 | 6.2 | 41 | 8.75 |
| Stonhurst | 29.574 | 79.5 | 38.1 | 43.4 | 63.9 | 49.6 | 39.7 | 16.4 | 56.5 | 50.4 | .367 | 4.1 | 1.1 | 80 | 530 | 114.7 | 45.5 | 1.1 | 3 | 4 | 6 | 18 | 1 | 7.8 | 46 | 12.37 |
| Lancaster | 29.574 | 79.5 | 38.1 | 43.4 | 63.9 | 49.6 | 39.7 | 16.4 | 56.5 | 50.4 | .367 | 4.1 | 1.1 | 80 | 530 | 114.7 | 45.5 | 1.1 | 3 | 4 | 6 | 18 | 1 | 5.2 | 16 | 0.08 |
| Carlisle | 29.508 | 79.6 | 29.2 | 29.4 | 67.3 | 48.6 | 43.8 | 18.6 | 57.2 | 52.6 | .385 | 4.3 | 1.0 | 82 | 533 | 101.7 | 41.7 | 0.8 | 4 | 3 | 8 | 15 | 2.3 | 7.7 | 44 | 9.86 |

The highest temperatures of the air were at Osborne, 90° 2; Royal Observatory, 89° 8; and Cardington, 89° 2.
 The lowest temperatures of the air were at Carlisle, 29° 2; Salisbury, 34° 0; and Wolverhampton, 31° 4.
 The greatest ranges of temperature were at Salisbury, 55° 0; Cardington, 52° 2; and Carlisle, 50° 4.
 The least ranges of temperature were at Guernsey, 31° 0; Barnstaple and Llandudno, 35° 0.
 The greatest number of days of rain were at Lancaster, 52; Nottingham, 47; and Bradford and Stonhurst, 46.
 The least number of days of rain were at Blackheath and Barnet, 23; Whitechurch and Royston, 29.
 The greatest falls of rain were at Lancaster, 16.08 inches; Stonhurst, 12.37 inches; and Carlisle, 9.86 inches.
 The least falls of rain were at Blackheath, 4.46 inches; Camden Square, 4.86 inches; Royal Observatory and Barnet, 4.87 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| QUARTERLY METEOROLOGICAL TABLE FOR GUERNSEY. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|-----|-----------------------|-----------------------|---------------------------------|--------------------------------------|------|-----|
| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Mean Number of Days it fell. | RAIN. Mean Amount col- lected. | | |
| | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | |
| Guernsey <div>Between the latitudes 50° and 51° 51° and 52° 52° and 53° 53° and 54° 54° and 55°</div> | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | grs. | grs. | grs. | ° | ° | ° | ° | ° | ° | ° | ° | in. | ° | ° | ° | in. |
| | 29.595 | 78.0 | 47.0 | 31.0 | 83.5 | 54.1 | 27.1 | 11.6 | 59.9 | 54.5 | .426 | 4.7 | 1.1 | 83 | 529 | 118.6 | 48.1 | 0.9 | 5 | 5 | 6 | 14 | 3.7 | 4.8 | 44 | 8.00 | 7.10 | | |
| | 29.546 | 84.8 | 42.2 | 42.0 | 68.2 | 54.1 | 34.2 | 13.9 | 59.5 | 54.2 | .436 | 4.8 | 1.0 | 83 | 531 | 116.5 | 50.0 | 1.4 | 6 | 5 | 8 | 11 | 1 | 5.7 | 36 | 7.10 | 6.87 | | |
| | 29.580 | 86.1 | 40.4 | 45.7 | 70.8 | 51.9 | 39.4 | 18.9 | 60.2 | 53.2 | .407 | 4.5 | 1.4 | 77 | 529 | 118.3 | 45.4 | 1.3 | 6 | 4 | 8 | 12 | 3.1 | 5.5 | 34 | 5.71 | 6.37 | | |
| | 29.574 | 84.5 | 38.9 | 45.0 | 68.9 | 51.2 | 40.4 | 17.7 | 58.9 | 52.4 | .404 | 4.4 | 1.2 | 79 | 530 | 116.6 | 46.1 | 1.0 | 6 | 4 | 9 | 14 | 1 | 5.4 | 36 | 5.71 | 6.37 | | |
| Mean for the Quarter, 50° to 55° | 29.567 | 79.4 | 39.0 | 40.7 | 65.1 | 51.4 | 34.4 | 14.0 | 57.3 | 50.3 | .361 | 4.1 | 1.2 | 77 | 531 | 117.9 | 47.0 | 1.0 | 5 | 4 | 3 | 15 | 2.3 | 7.7 | 44 | 12.77 | 9.15 | | |
| | 29.537 | 79.0 | 34.1 | 44.9 | 65.9 | 49.8 | 33.2 | 16.1 | 56.8 | 51.5 | .376 | 4.2 | 1.1 | 81 | 531 | 108.2 | 45.6 | 1.1 | 3 | 4 | 6 | 18 | 1 | 5.2 | 16 | 8.02 | 7.32 | | |
| | 29.481 | 77.6 | 39.5 | 53.1 | 62.5 | 50.7 | 32.8 | 15.8 | 57.4 | 51.6 | .285 | 4.3 | 1.0 | 81 | 531 | 111.6 | 45.9 | 1.1 | 5 | 4 | 8 | 14 | 1 | 4.6 | 2.2 | 43 | 7.82 | 7.32 | |
| | 29.534 | 86.1 | 47.0 | 47.0 | 67.0 | 52.4 | 39.6 | 17.6 | 60.1 | 53.4 | .411 | 4.2 | 1.0 | 79 | 526 | 116.4 | 47.5 | 1.0 | 4 | 7 | 8 | 14 | 1 | 1.5 | 4.7 | 43 | 7.82 | 7.32 | |
| | 29.550 | 82.8 | 38.9 | 43.8 | 67.8 | 51.7 | 37.7 | 16.2 | 58.7 | 52.4 | .384 | 4.4 | 1.2 | 79 | 530 | 111.9 | 46.4 | 1.2 | 5 | 4 | 8 | 13 | 2.9 | 6.3 | 39 | 8.02 | 7.32 | | |

| Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|----------------------------------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|--------------------------|---------------------------------|--|---------------------------------|
| Air. | | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | |
| 1886. MONTHS. | Mean. | Diff. from average of 115 years. | Diff. from average of 45 years. | Mean. | Diff. from average of 45 years. | Mean. | Diff. from average of 45 years. | Mean. | Diff. from average of 45 years. | Mean. | Diff. from average of 45 years. | Mean. | Diff. from average of 45 years. |
| | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | in. | grs. | grs. |
| Oct. - | 53.3 | +3.8 | +3.4 | 51.3 | +3.4 | 49.2 | +3.4 | 13.4 | -1.1 | .251 | +0.042 | 3.9 | -0.1 |
| Nov. - | 44.0 | +1.6 | +0.5 | 42.6 | +1.3 | 41.1 | +1.7 | 11.5 | 0.0 | .268 | +0.013 | 2.9 | +0.1 |
| Dec. - | 33.5 | -2.6 | -2.3 | 35.0 | -3.5 | 32.7 | -3.7 | 10.2 | +0.9 | .183 | -0.033 | 2.2 | -0.4 |
| Means - | 44.6 | +0.9 | +0.5 | 43.0 | +0.4 | 41.0 | +0.5 | 11.7 | -0.1 | .255 | +0.007 | 3.0 | -0.1 |

| 1886. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|------------|--------------------------|---------------------------|
| | Mean. | Diff. from average of 45 years. | Mean. | Diff. from average of 45 years. | Mean. | Diff. from average of 45 years. | Amount. | Diff. from average of 71 years. | | Number of Nights it was | | | Lowest Reading at Night. | Highest Reading at Night. |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| | | | in. | in. | grs. | grs. | in. | in. | Miles. | | | | ° | ° |
| Oct. - | 86 | - 2 | 29.618 | -0.092 | 534 | - 6 | 1.41 | -1.40 | 203 | 1 | 13 | 17 | 23.9 | 48.1 |
| Nov. - | 89 | 0 | 29.732 | -0.019 | 547 | - 1 | 3.02 | +0.69 | 253 | 9 | 19 | 2 | 23.4 | 41.0 |
| Dec. - | 86 | - 2 | 29.522 | -0.273 | 551 | - 2 | 3.60 | +1.62 | 367 | 20 | 10 | 1 | 15.0 | 44.0 |
| Means - | 87 | - 1 | 29.624 | -0.125 | 544 | - 3 | Sum 8.03 | Sum +0.91 | Mean 274 | Sum 30 | Sum 42 | Sum 20 | Lowest 15.0 | Highest 48.1 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|-----------|----------|-------------------------|
| | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. | 1886. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 1 | 2½ | -1½ | 5 | 2½ | +2½ | 7 | 2½ | +4½ |
| N. | 1 | 3½ | -2½ | 4½ | 4½ | -3½ | 2 | 3 | -1 |
| N.E. | 4 | 3 | +1 | 5½ | 4 | +1½ | 3 | 2½ | +½ |
| E. | 2 | 1½ | +½ | 1 | 2½ | -1½ | 0 | 2 | -2 |
| S.E. | 8 | 2 | +6 | 2 | 2½ | -½ | 3 | 2 | +1 |
| S. | 2 | 4 | -2 | 1½ | 4 | -2½ | 3 | 3½ | -½ |
| S.W. | 12 | 10 | +2 | 13 | 8½ | +4½ | 9 | 11 | -2 |
| W. | 1 | 4½ | -3½ | 1½ | 2½ | -½ | 4 | 4½ | -½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in October are opposite to S.E. and S.W.; in November to S.W. and N.W.; and in December to N.W.

The sign (-) denotes deficiencies below averages. In October this sign is opposite to W. and compounds of the W.; in November opposite to S. and compounds of the S.; and in December opposite to E. and S. and its compounds.

The mean temperature of December was 36°.5, being lower than in 1885 by 2°.4, in 1884 by 4°.5, and in 1883 by 4°.0, and colder than any December since the year 1879, when it was 32°.4. The mean temperature of the quarter was 44°.6, being 0°.9 and 0°.5 higher than the average of 115 years and 45 years respectively.

The mean high day temperature of the air in October was 60°.5, being 2°.6 above the average of 45 years; in November was 49°.5, being 0°.7 higher than the average of 45 years, and in December was 41°.4, being 3°.3 below the average of 45 years.

The mean low night temperature of the air in October was 47°.1, being 3°.6 above the average of 45 years; in November was 38°.0, being 0°.7 above the average of 45 years; and in December was 31°.2, being 4°.0 below the average of 45 years.

Therefore the days and nights were warm in the months of October and November, and very cold in December.

The mean daily range of temperature in October was 13°.4, being 1°.1 smaller than the average; in November was 11°.5, being the same as the average, and in December was 10°.2, being 0°.9 greater than the average.

The mean temperature of the air in October was 5°.4 lower than in September; in November it was 9°.3 lower than in October; and in December it was 7°.5 lower than in November.

(From the preceding 45 years' observations the decrease of temperature from September to October is 7°.8; the decrease from October to November is 6°.4, and the decrease from November to December is 4°.7.)

From September to October there was a mean decrease of 4°.7 at stations south of 53°, and of about 4° at more northern stations.

From October to November there was a mean decrease of 8° at all stations.

From November to December the mean decrease was about 7½° from all stations.

The mean reading of the barometer at the height of 159 ft. above the level of the sea for the month of October was 29.618 ins., being 0.092 in. below the average of 45 years, 0.088 in. higher than in 1885, 0.277 in. lower than in 1884, and 0.182 in. lower than in 1883.

The mean reading of the barometer for the month of November was 29.732 ins., being 0.011 in. higher than in 1885, 0.246 in. lower than in 1884, and 0.073 in. higher than in 1883.

The mean reading of the barometer in December was 29.522 ins., being lower than in any December since that of 1872, it was lower than in 1885 by 0.509 in., than in 1884 by 0.168 in., and by 0.461 in. in 1883.

The ranges of readings of the barometer in December were remarkable; they increased gradually from 1.8 in. at Guernsey to 2.9 in. at Carlisle.

From September to October there was a decrease of atmospheric pressure at stations south of 53° of 0.25 in., and of 0.20 in. at stations north of this parallel.

From October to November there was an increase of pressure at stations south of 51° of 0.18 in., between 51° and 52° of 0.13 in., between 52° and 53° of 0.10 in., and north of this parallel of 0.07 in.

From November to December there was a decrease of pressure at stations south of 51° of 0.19 in., between 51° and 52° of 0.21 in., and north of 52° of 0.24 in.

About London the barometric pressure differed but little from its average during the first week of October; from October 9th to the 20th it was low, and particularly so on the 16th, when it was more than an inch below its average, and it was more than ½ in. below both on the 17th and 19th; the average daily deficiency for the 12 days ending October 20th was 0.42 in.; from October 21st to November 3rd it was high, the average excess of daily pressure was 0.24 in. From November 4th to November 17th the barometer reading was constantly low, the average daily deficiency of pressure was 0.45 in. The readings were constantly high from November 18th to November 28th, the average daily excess of pressure was 0.56 in.; then till December 5th it was alternately a little above and then a little below its average. On December 6th to December 29th, with the exception of December 20th and 21st, which were slightly in excess, the barometer readings were remarkably low, particularly on December 8th and December 9th, when the daily deficiency was 1.4 in. on both days; the average daily deficiency of pressure for the 24 days ending December 29th was 0.41 in. The readings on the last two days were in excess to the mean value of 0.38 in.

Thunderstorms occurred in October, on the 1st at Guernsey, Ventnor, Osborne, Southbourne, Salisbury, Whitechurch, Oxford, and Leicester; on the 4th at Torquay; on the 6th at Hull; on the 7th at Nottingham; on the 10th at Ventnor, Leicester, Liverpool, Halifax, and Leeds; on the 13th at Guernsey; on the 17th at Nottingham and Liverpool; on the 19th at Torquay, Ventnor, Eastbourne, Osborne, Bath, Oxford, and Nottingham; on the 20th at Ventnor, Osborne, Salisbury, Whitechurch, Oxford, Royston, Cambridge, Leicester, Nottingham, Halifax, and Bradford.

In November, on the 6th at Osborne.

In December, on the 8th at Salisbury, Whitechurch, Oxford, Rugby, Llandudno, Liverpool, and Hull; on the 9th at Ventnor, on the 11th at Guernsey; on the 15th at Plymouth; on the 18th at Liverpool; and on the 28th at Torquay.

Thunder was heard but lightning was not seen in October, on the 1st at Torquay and Cambridge; on the 5th, 6th, and 7th at Carlisle; on the 10th at Rugby, Wolverhampton, and Stonyhurst; on the 19th at Halifax; on the 20th at Eastbourne and Rugby; and on the 30th at Osborne.

In December, on the 8th at Bath, Somerleyton, and Stonyhurst; and on the 14th at Bath.

Lightning was seen but thunder was not heard in October, on the 1st at Whitechurch, Blackheath, Royston, Cambridge, and Rugby; on the 2nd at Camden Square; on the 4th at Torquay; on the 7th at Halifax; on the 8th at Blackheath and the Royal Observatory; on the 13th at Lowestoft; on the 14th at Cambridge and Lowestoft; on the 19th at Guernsey, Torquay, Salisbury, Whitechurch, Blackheath, and the Royal Observatory; on the 20th at Whitechurch, Blackheath, the Royal Observatory, and Lowestoft; on the 21st at Stonyhurst; and on the 29th at Plymouth.

In November, on the 9th at Guernsey.

In December, on the 1st at Halifax; on the 7th at Bath; on the 8th at Guernsey, Torquay, Ventnor, Blackheath, and Lowestoft; on the 9th at Liverpool; on the 16th at Guernsey and Torquay; on the 18th at Halifax and Stonyhurst; on the 19th at Whitechurch and Liverpool; on the 20th at Lowestoft; on the 28th at Guernsey, Torquay, Salisbury, and Blackheath.

Solar halos were seen in October, on the 1st at Oxford; on the 3rd at Blackheath, Oxford, and Halifax; on the 4th at Oxford; on the 7th at Torquay; on the 11th at Torquay and Blackheath; on the 13th at Halifax; on the 14th at Torquay and Halifax; on the 18th at Torquay; on the 20th at Oxford; on the 22nd at Torquay and Oxford.

In November, on the 9th at Torquay; on the 20th at Torquay and Blackheath.

In December, on the 3rd, 15th, 25th, and 28th at Torquay.

[Continued on page 71.]

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1886. | Month. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean Tem- perature. | | Vapour. | | | Mean Reading of Thermometer. | | | Wind. | | | Mean Amount of Cloud. | | Rain. | | | | | |
|---------------|--------|--|----------------------------------|------|--------|------|------------------------------|------|--------|------|------------------------|-----|---------|-----|-------|------------------------------------|--------|------|-------|-----|--------|--------------------------|-------|-------|-------|-----|------|------|------|
| | | | Mean. | | Range. | | Mean. | | Range. | | Mean. | | Range. | | Mean. | | Range. | | Mean. | | Range. | | Mean. | | Rain. | | | | |
| | | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | | | |
| 120 | Oct. | 29-666 | 1-728 | 74-0 | 34-0 | 40-0 | 59-6 | 45-3 | 14-3 | 52-5 | 50-3 | 382 | 4-1 | 0-4 | 93 | 535 | 8 | 8 | 5-9 | 17 | 3-9 | 1-0 | 3 | 12 | 8 | 8 | 3-9 | 17 | 3-9 |
| | Nov. | 29-765 | 1-755 | 28-0 | 37-3 | 30-7 | 48-7 | 38-5 | 32-2 | 42-6 | 40-4 | 551 | 2-9 | 0-2 | 92 | 549 | 3 | 13 | 5-2 | 14 | 3-29 | 0-7 | 3 | 9 | 13 | 5-2 | 14 | 3-29 | |
| | Dec. | 29-550 | 2-115 | 65-0 | 18-7 | 34-3 | 59-3 | 41-5 | 29-3 | 42-7 | 35-6 | 184 | 2-4 | 0-3 | 92 | 535 | 7 | 14 | 5-6 | 16 | 3-12 | 1-0 | 3 | 7 | 14 | 5-6 | 16 | 3-12 | |
| 130 | Oct. | 29-618 | 1-735 | 70-2 | 38-0 | 41-2 | 60-5 | 41-2 | 13-4 | 53-7 | 40-2 | 331 | 3-9 | 0-0 | 86 | 534 | 92-4 | 40-6 | 7-4 | 14 | 1-41 | 0-6 | 3 | 8 | 12 | 7-4 | 14 | 1-41 | |
| | Nov. | 29-772 | 1-744 | 30-1 | 29-9 | 32-2 | 49-6 | 38-0 | 11-2 | 44-6 | 41-1 | 228 | 2-9 | 0-4 | 89 | 547 | 65-9 | 20-6 | 6-0 | 18 | 3-02 | 0-7 | 3 | 8 | 12 | 6-0 | 18 | 3-02 | |
| | Dec. | 29-522 | 2-218 | 54-1 | 17-9 | 35-8 | 54-1 | 31-2 | 10-5 | 35-5 | 32-7 | 185 | 2-2 | 0-4 | 86 | 531 | 40-7 | 20-6 | 6-0 | 18 | 3-00 | 0-8 | 3 | 8 | 12 | 6-0 | 18 | 3-00 | |
| 150 | Oct. | 29-658 | 1-750 | 72-5 | 38-0 | 37-5 | 60-5 | 46-5 | 13-0 | 49-7 | 40-8 | 323 | 4-0 | 0-5 | 89 | 535 | 82-0 | 0-0 | 7-8 | 16 | 1-32 | 0-8 | 3 | 8 | 12 | 7-8 | 16 | 1-32 | |
| | Nov. | 29-775 | 1-758 | 28-5 | 37-9 | 34-3 | 48-7 | 37-5 | 11-2 | 43-6 | 41-2 | 239 | 3-0 | 0-5 | 91 | 548 | 64-9 | 0-0 | 6-4 | 16 | 3-05 | 0-5 | 3 | 8 | 12 | 6-4 | 16 | 3-05 | |
| | Dec. | 29-529 | 2-271 | 64-0 | 18-0 | 36-0 | 40-4 | 32-0 | 8-4 | 38-9 | 33-6 | 193 | 2-3 | 0-3 | 89 | 551 | 54-5 | 0-0 | 8-3 | 14 | 3-81 | 0-8 | 3 | 9 | 12 | 8-3 | 14 | 3-81 | |
| 123 | Oct. | 29-664 | 1-813 | 78-8 | 30-2 | 30-2 | 60-3 | 47-8 | 12-5 | 53-3 | 40-8 | 331 | 4-0 | 0-6 | 86 | 535 | 81-1 | 42-3 | 8-2 | 23 | 2-43 | 0-8 | 3 | 9 | 12 | 8-2 | 23 | 2-43 | |
| | Nov. | 29-772 | 1-783 | 58-8 | 30-0 | 28-8 | 50-0 | 37-5 | 10-7 | 44-6 | 41-1 | 228 | 2-9 | 0-4 | 88 | 547 | 84-1 | 32-6 | 7-8 | 23 | 2-43 | 0-8 | 3 | 9 | 12 | 7-8 | 23 | 2-43 | |
| | Dec. | 29-570 | 2-231 | 53-0 | 19-7 | 34-2 | 41-3 | 31-3 | 10-0 | 37-0 | 31-9 | 180 | 1-7 | 0-5 | 82 | 532 | 52-1 | 26-0 | 5-9 | 18 | 4-94 | 1-0 | 3 | 8 | 12 | 5-9 | 18 | 4-94 | |
| 212 | Oct. | 29-597 | 1-744 | 78-0 | 31-1 | 40-0 | 60-4 | 44-9 | 10-9 | 40-9 | 40-4 | 333 | 4-0 | 0-4 | 91 | 535 | 91-4 | 52-1 | 7-9 | 19 | 3-77 | 0-6 | 3 | 11 | 8 | 7-9 | 19 | 3-77 | |
| | Nov. | 29-775 | 1-750 | 30-0 | 32-0 | 32-0 | 49-6 | 35-4 | 14-8 | 43-8 | 39-7 | 244 | 2-8 | 0-4 | 89 | 546 | 74-5 | 32-1 | 6-0 | 18 | 3-05 | 0-5 | 3 | 11 | 8 | 6-0 | 18 | 3-05 | |
| | Dec. | 29-491 | 2-215 | 54-0 | 13-9 | 30-9 | 40-1 | 28-6 | 13-3 | 35-9 | 32-5 | 185 | 2-0 | 0-5 | 87 | 532 | 63-3 | 25-9 | 5-0 | 15 | 3-58 | 0-7 | 3 | 10 | 8 | 5-0 | 15 | 3-58 | |
| 212 | Oct. | 29-561 | 1-774 | 75-7 | 32-2 | 30-5 | 59-5 | 47-7 | 11-8 | 52-9 | 40-4 | 333 | 4-0 | 0-5 | 89 | 534 | 92-6 | 41-9 | 7-4 | 20 | 3-14 | 0-6 | 3 | 10 | 8 | 7-4 | 20 | 3-14 | |
| | Nov. | 29-671 | 1-825 | 54-6 | 27-5 | 31-1 | 49-6 | 39-5 | 10-1 | 43-9 | 40-8 | 256 | 3-0 | 0-4 | 89 | 540 | 75-1 | 32-3 | 7-0 | 17 | 2-88 | 0-7 | 3 | 10 | 8 | 7-0 | 17 | 2-88 | |
| | Dec. | 29-474 | 2-337 | 53-7 | 20-0 | 33-7 | 42-2 | 32-0 | 10-5 | 36-6 | 32-8 | 186 | 2-2 | 0-4 | 86 | 550 | 73-1 | 24-5 | 5-2 | 14 | 4-78 | 0-6 | 3 | 10 | 8 | 5-2 | 14 | 4-78 | |
| 301 | Oct. | 29-525 | 1-765 | 77-7 | 39-4 | 38-3 | 63-4 | 43-4 | 13-0 | 42-0 | 40-7 | 337 | 3-8 | 0-6 | 87 | 534 | 94-7 | 41-9 | 7-2 | 18 | 3-03 | 0-6 | 3 | 10 | 8 | 7-2 | 18 | 3-03 | |
| | Nov. | 29-631 | 1-735 | 61-6 | 39-1 | 31-5 | 49-7 | 38-3 | 10-6 | 42-3 | 40-7 | 254 | 2-9 | 0-5 | 90 | 546 | 72-4 | 31-6 | 6-0 | 18 | 2-79 | 0-6 | 3 | 10 | 8 | 6-0 | 18 | 2-79 | |
| | Dec. | 29-400 | 2-317 | 53-1 | 20-1 | 33-0 | 40-5 | 30-3 | 10-0 | 35-3 | 32-6 | 186 | 2-1 | 0-3 | 90 | 551 | — | — | 5-4 | 18 | 3-80 | 0-7 | 3 | 10 | 13 | 5-4 | 18 | 3-80 | |
| 105 | Oct. | 29-800 | 1-788 | 60-4 | 24-6 | 32-8 | 49-2 | 37-1 | 12-1 | 42-8 | 40-3 | 251 | 2-9 | 0-3 | 92 | 549 | 54-0 | 33-2 | 6-6 | 11 | 2-10 | 0-8 | 3 | 7 | 14 | 6-6 | 11 | 2-10 | |
| | Nov. | 29-567 | 2-264 | 54-4 | 17-2 | 37-2 | 40-9 | 29-3 | 11-6 | 35-7 | 33-7 | 194 | 2-2 | 0-2 | 93 | 554 | 45-6 | 25-5 | 6-0 | 14 | 3-75 | 0-8 | 3 | 7 | 17 | 6-0 | 14 | 3-75 | |
| | Dec. | 29-372 | 2-354 | 54-4 | 17-2 | 37-2 | 40-9 | 29-3 | 11-6 | 35-7 | 33-7 | 194 | 2-2 | 0-2 | 93 | 554 | 45-6 | 25-5 | 6-0 | 14 | 3-75 | 0-8 | 3 | 7 | 17 | 6-0 | 14 | 3-75 | |
| 40 | Oct. | 29-722 | 1-712 | 70-5 | 32-9 | 32-9 | 45-0 | 45-7 | 15-2 | 43-8 | 40-3 | 331 | 3-9 | 0-5 | 88 | 526 | 93-7 | 39-9 | 6-5 | 15 | 3-40 | 0-6 | 3 | 8 | 12 | 6-5 | 15 | 3-40 | |
| | Nov. | 29-840 | 1-872 | 60-4 | 22-5 | 35-9 | 49-4 | 38-2 | 10-6 | 42-3 | 40-7 | 254 | 2-9 | 0-5 | 85 | 540 | 72-4 | 31-6 | 7-4 | 15 | 2-17 | 0-7 | 3 | 10 | 13 | 7-4 | 15 | 2-17 | |
| | Dec. | 29-540 | 2-380 | 53-0 | 17-0 | 38-0 | 40-5 | 29-0 | 11-5 | 35-4 | 32-9 | 188 | 2-1 | 0-3 | 91 | 553 | 58-1 | 23-9 | 5-5 | 21 | 3-59 | 0-8 | 3 | 10 | 13 | 5-5 | 21 | 3-59 | |
| 289 | Oct. | 29-442 | 1-614 | 83-0 | 34-0 | 48-0 | 59-1 | 45-1 | 14-0 | 51-3 | 40-7 | 337 | 4-1 | 0-3 | 95 | 533 | — | — | 7-0 | 23 | 3-69 | 0-5 | 3 | 8 | 10 | 8 | 7-0 | 23 | 3-69 |
| | Nov. | 29-582 | 1-852 | 59-0 | 23-0 | 34-0 | 49-2 | 39-1 | 13-1 | 42-2 | 40-7 | 254 | 3-0 | 0-2 | 94 | 546 | 42-2 | 24-0 | 6-0 | 16 | 2-38 | 0-3 | 6 | 4 | 12 | 6-0 | 16 | 2-38 | |
| | Dec. | 29-328 | 2-311 | 52-0 | 13-0 | 37-0 | 40-1 | 27-5 | 12-6 | 34-6 | 33-0 | 189 | 2-2 | 0-2 | 94 | 550 | — | — | 7-6 | 18 | 3-11 | 0-5 | 2 | 9 | 15 | 7-6 | 18 | 3-11 | |
| 80 | Oct. | 29-681 | 1-672 | 70-8 | 40-0 | 39-8 | 60-1 | 43-3 | 11-8 | 54-0 | 42-8 | 326 | 3-9 | 0-8 | 91 | 535 | 94-6 | 44-3 | 6-3 | 14 | 2-48 | 0-7 | 3 | 9 | 11 | 6-3 | 14 | 2-48 | |
| | Nov. | 29-778 | 1-690 | 59-0 | 31-0 | 33-0 | 49-4 | 39-7 | 10-9 | 42-8 | 42-6 | 276 | 3-2 | 0-3 | 93 | 543 | 77-2 | 39-2 | 6-3 | 17 | 2-83 | 0-6 | 3 | 11 | 6-3 | 17 | 2-83 | | |
| | Dec. | 29-553 | 2-400 | 51-8 | 19-2 | 35-6 | 40-5 | 29-7 | 10-2 | 38-0 | 31-3 | 177 | 2-0 | 0-5 | 83 | 552 | 66-6 | 27-7 | 5-5 | 21 | 3-59 | 0-8 | 3 | 9 | 12 | 5-5 | 21 | 3-59 | |
| 50 | Oct. | 29-780 | 1-758 | 61-0 | 33-0 | 31-0 | 59-9 | 47-6 | 12-3 | 52-9 | 49-9 | 320 | 4-0 | 0-5 | 89 | 537 | — | — | 8-0 | 9 | 3-0 | 1-0 | 3 | 4 | 10 | 9 | 8-0 | 9 | 3-0 |
| | Nov. | 29-853 | 1-785 | 61-0 | 30-0 | 31-0 | 60-5 | 39-1 | 11-5 | 44-5 | 39-2 | 240 | 3-7 | 0-6 | 82 | 548 | — | — | 7-8 | 14 | 2-53 | 0-6 | 3 | 4 | 10 | 7-8 | 14 | 2-53 | |
| | Dec. | 29-581 | 2-322 | 52-3 | 14-2 | 28-1 | 41-3 | 29-3 | 12-0 | 35-4 | 33-0 | 189 | 2-1 | 0-3 | 91 | 554 | — | — | 8-2 | 14 | 2-53 | 0-6 | 3 | 4 | 10 | 8-2 | 14 | 2-53 | |

| Year 1886. | Month. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | Dew Point. | Vapour. | | Mean Weight of a cubic foot of Air. | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | |
|---------------|--------|---------------------------------------|-------------------------------------|-------------------------------------|--------|----------|------------------------------|--------|-----------------|------------------------|--------------|------------|---------|----------------|---|------------------------------------|-------------------------|----------------------------|----------------------|------------------------|-----------------------------|-----------------------------|----------------------------|-------|----|----|----|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Daily Range. | | Air. | Elastic Force. | | In a cubic foot of Air. | Short of Saturation. | Maximum in Haze of Sun. | Minimum on Grass. | Estimated Strength. | | | | | N. | S. | W. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct. | 29-370 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Nov. | 29-379 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Dec. | 29-383 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4 | 7.6 | 19 | 3.21 | 10 | 4 | | |
| Oct. | 29-369 | 1-740 | 58.6 | 34.8 | 35.8 | 56.1 | 43.7 | 12.4 | 49.4 | 40.3 | 315 | 3.7 | 0.4 | 90 | 532 | 7.6 | 19 | 3.21 | 10 | 4</ | | | | | | | |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Months. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | | Mean Tem- perature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Ozone. | | Mean Amount of Cloud. | | Rain. | | |
|---|---------------------------------------|---|--|-------------------------------------|------------------------------|---------------------|----------------------|----------------------|----------------------|------------------------|----------------------|-------------------|----------------------------|------------------------------------|---|----------------------------|----------------------|-----------------------|---------------------------|---------------|--------------------------|--------------------------|--------------------------|----------------------------|------------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean | | Air. | Dew Point. | Elastic Force. | In a cubic foot of Air. | Short of Saturation. | Mean Degree of Humi- dity, $\frac{100}{\text{Sat.}} = 100$. | Maximum in Haze of Sun. | Minimum on Grass. | Estimated Strength | Relative Proportion of | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. |
| | | | | | | | | N. | E. | | | | | | | | | | S. | W. | | | | | |
| CARLISLE, Spital (Cumberland), ISAAC GARNETT, Esq., F.R. Met. Soc. | 114 | Oct. 29-346 Nov. 29-357 Dec. 29-354 | in. 1-808 in. 1-821 in. 2-366 | in. 1-808 in. 1-821 in. 2-366 | 69-5 68-3 52-4 | 33-5 31-0 4-2 | 35-0 34-0 45-2 | 38-4 37-6 40-3 | 44-6 37-6 33-0 | 51-0 44-1 50-8 | 40-9 41-3 50-8 | 328 360 172 | 0-6 0-0 2-0 | 86 88 88 | 77-9 62-0 53-2 | 34-4 27-6 15-8 | 0-8 0-8 0-8 | 4 3 6 | 6 5 9 | 10 8 13 | 11 9 10 | 7-5 7-6 6-7 | 39 18 17 | 3-98 3-50 3-54 | |

Second rain-gauges are placed—

At The Core, Eastbourne, at the height of
4 feet
" Ready Head " " " " 1 foot
" " " " " " 22 feet
" Oxford " " " 48 "

Total in Quarter.

Oct. 4-17 ins.
Nov. 5-29 ins.
Dec. 13-51 ins.

[Continued from page 67.]

Some fell in November, on the 6th at Bradford; and on the 10th at Halifax and Carlisle.

In December, on the 1st at Royston and in the Midlands and Northern Counties; on the 2nd at Plymouth, Torquay, Blackheath, Royston, Cambridge, Lowestoft, Somerleyton, Llandudno, and Liverpool; on the 3rd at Guernsey, Somerleyton, Llandudno, Hull, and Bradford; on the 4th at Cambridge and Burslem; on the 6th at Wolverhampton, in the 10th at Wolverhampton, on the 11th at Torquay and in the Northern Counties; on the 12th at Torquay; on the 13th at Torquay, Whitehaven, Blackheath, Oxford, and Burslem; on the 14th at Wolverhampton, Burslem, Liverpool, Halifax, Hull, Whitehaven, and Blackheath; on the 15th at Torquay; on the 16th at Torquay, Whitehaven, and Blackheath; on the 17th at Torquay, Whitehaven, and Blackheath; on the 18th at Torquay, Whitehaven, and Blackheath; on the 19th at Torquay, Whitehaven, and Blackheath; on the 20th at Torquay, Whitehaven, and Blackheath; on the 21st at Torquay, Whitehaven, and Blackheath; on the 22nd at Torquay, Whitehaven, and Blackheath; on the 23rd at Torquay, Whitehaven, and Blackheath; on the 24th at Torquay, Whitehaven, and Blackheath; on the 25th at Torquay, Whitehaven, and Blackheath; on the 26th at Torquay, Whitehaven, and Blackheath; on the 27th at Torquay, Whitehaven, and Blackheath; on the 28th at Torquay, Whitehaven, and Blackheath; on the 29th at Torquay, Whitehaven, and Blackheath; on the 30th at Torquay, Whitehaven, and Blackheath; on the 31st at Torquay, Whitehaven, and Blackheath.

Had fell in October, on the 2nd at Royston and on the 10th at Plymouth; on the 11th at Torquay, Whitehaven, and Blackheath; on the 12th at Torquay, Whitehaven, and Blackheath; on the 13th at Torquay, Whitehaven, and Blackheath; on the 14th at Torquay, Whitehaven, and Blackheath; on the 15th at Torquay, Whitehaven, and Blackheath; on the 16th at Torquay, Whitehaven, and Blackheath; on the 17th at Torquay, Whitehaven, and Blackheath; on the 18th at Torquay, Whitehaven, and Blackheath; on the 19th at Torquay, Whitehaven, and Blackheath; on the 20th at Torquay, Whitehaven, and Blackheath; on the 21st at Torquay, Whitehaven, and Blackheath; on the 22nd at Torquay, Whitehaven, and Blackheath; on the 23rd at Torquay, Whitehaven, and Blackheath; on the 24th at Torquay, Whitehaven, and Blackheath; on the 25th at Torquay, Whitehaven, and Blackheath; on the 26th at Torquay, Whitehaven, and Blackheath; on the 27th at Torquay, Whitehaven, and Blackheath; on the 28th at Torquay, Whitehaven, and Blackheath; on the 29th at Torquay, Whitehaven, and Blackheath; on the 30th at Torquay, Whitehaven, and Blackheath; on the 31st at Torquay, Whitehaven, and Blackheath.

In December on 21 different days at the different stations.

Flag prevented in October, on the 1st at Torquay and Barnet; on the 3rd at Torquay, Bath, Whitechurch, and Barnet; on the 4th at Bath, Whitechurch, Oxford, and Wolverhampton; on the 5th at Whitechurch, Barnet, Oxford, Cambridge, and Bradford; on the 7th at Barnet; on the 8th at Ventnor, Bath, Whitechurch, Blackheath, Barnet, Cambridge, and Llandudno; on the 9th at Eastbourne and in the Southern and Midlands Counties; on the 10th at Bath; on the 11th at Blackheath, the Royal Observatory, and Cambridge; on the 12th at Bath and Bradford; on the 13th at Blackheath and Bradford; on the 14th at Whitechurch, Oxford, and Stonyhurst; on the 15th at Whitechurch, Bradford, and Carlisle; on the 16th at Bath; on the 17th at Whitechurch, and Wolverhampton; on the 18th at Whitechurch and Barnet; on the 19th at Torquay, Bath, Whitechurch, Barnet, and Oxford; on the 20th at Cambridge; on the 21st at Ventnor; on the 22nd at Ventnor; on the 23rd at Ventnor; on the 24th at Ventnor; on the 25th at Ventnor; on the 26th at Ventnor; on the 27th at Ventnor; on the 28th at Ventnor; on the 29th at Ventnor; on the 30th at Ventnor; on the 31st at Ventnor.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | WIND. | | | | Mean Amount of Onions. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. | | | | | | | | |
|--------------------|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|------------------------|----|-----|------|------------------------|-----------------------|----------------------------------|-------|----|----|-----|-----|-------|-------|-------|-------|
| | | | | | | | | | | | | | Relative Proportion of | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.544 | 30.4 | 31.4 | 38.0 | 33.2 | 44.7 | 35.1 | 3.5 | 4.2 | 44.8 | 297 | 3.3 | 0.6 | 84 | 537 | 85.4 | 39.2 | 1.4 | 6 | 5 | 8 | 11 | 3.4 | 7.1 | 78 | 18.31 | | |
| Trao | 29.431 | 33.0 | 14.0 | 51.0 | 51.0 | 42.0 | 37.3 | 13.0 | 47.4 | 43.6 | 288 | 3.3 | 0.5 | 87 | 543 | — | — | 2.3 | 3 | 5 | 8 | 9 | — | 7.4 | 71 | 17.42 | | |
| Plymouth | 29.517 | 30.3 | 22.2 | 47.1 | 32.6 | 41.4 | 37.3 | 11.2 | 46.5 | 43.6 | 291 | 3.3 | 0.5 | 87 | 544 | — | — | 1.2 | 6 | 4 | 9 | 12 | — | 6.9 | 70 | 13.62 | | |
| Torquay | 29.543 | 35.1 | 25.1 | 40.0 | 32.0 | 41.7 | 37.3 | 10.3 | 46.7 | 42.6 | 278 | 3.2 | 0.5 | 86 | 539 | 85.5 | 34.5 | 1.5 | 5 | 11 | 9 | — | 4.5 | 6.9 | 70 | 12.50 | | |
| Ventnor | 29.498 | 39.6 | 23.4 | 44.2 | 33.4 | 44.1 | 37.3 | 9.3 | 43.9 | 43.2 | 287 | 3.3 | 0.7 | 81 | 541 | — | — | 7 | 5 | 9 | 10 | — | 8.2 | 63 | 15.18 | | | |
| Eastbourne | — | 70.0 | 33.3 | 43.7 | 32.3 | 40.5 | 31.7 | 11.8 | 42.4 | 42.4 | 274 | 3.2 | 0.5 | 87 | — | 74.3 | 37.4 | — | — | — | — | — | — | 6.1 | 61 | 13.84 | | |
| Osborne | 29.523 | 32.2 | 22.7 | 49.5 | 31.6 | 40.5 | 37.1 | 11.0 | 45.8 | 43.8 | 291 | 3.2 | 0.3 | 93 | 513 | 76.5 | 38.9 | 1.4 | 5 | 6 | 8 | 11 | — | 5.6 | 62 | 13.72 | | |
| Southbourne | 29.501 | 30.6 | 23.1 | 49.5 | 31.6 | 40.5 | 37.1 | 11.3 | 46.2 | 44.2 | 291 | 3.1 | 0.6 | 85 | 513 | — | — | 0.5 | 6 | 8 | 10 | 11 | — | — | — | — | — | |
| Salisbury | 29.544 | 34.0 | 15.0 | 59.0 | 51.6 | 34.3 | 39.3 | 17.3 | 43.4 | 39.8 | 282 | 2.9 | 0.4 | 87 | 545 | 67.7 | — | 1.2 | 10 | 5 | 7 | 9 | — | 6.8 | 72 | 14.84 | | |
| Barnstaple | 29.521 | 32.0 | 17.0 | 53.0 | 32.2 | 43.5 | 38.3 | 9.6 | 48.2 | 44.4 | 239 | 3.4 | 0.5 | 87 | 513 | — | — | 0.9 | 7 | 5 | 9 | 10 | — | 5.0 | 65 | 19.67 | | |
| Bath | 29.541 | 31.3 | 19.5 | 51.8 | 39.8 | 33.8 | 39.3 | 11.0 | 43.8 | 41.2 | 267 | 3.1 | 0.3 | 92 | 536 | 77.3 | 30.6 | 1.2 | 7 | 5 | 9 | 10 | — | 6.7 | 65 | 19.22 | | |
| Ram | 29.551 | 34.0 | 18.7 | 53.8 | 39.3 | 37.0 | 39.3 | 10.3 | 43.6 | 41.4 | 239 | 3.1 | 0.3 | 92 | 545 | — | — | 0.9 | 5 | 6 | 8 | 12 | — | 5.9 | 47 | 12.20 | | |
| Whitechurch | 29.533 | 30.2 | 17.3 | 51.9 | 30.5 | 38.8 | 39.3 | 11.7 | 44.6 | 41.0 | 265 | 3.0 | 0.5 | 87 | 544 | 69.3 | 33.1 | — | — | — | — | — | 2.4 | 6.8 | 47 | 8.03 | | |
| Royal Observatory | 29.533 | 30.2 | 17.3 | 51.9 | 30.5 | 38.8 | 39.3 | 11.7 | 44.6 | 41.0 | 265 | 3.1 | 0.4 | 89 | 545 | 67.1 | — | 0.7 | 5 | 10 | 10 | — | 7.3 | 45 | 8.28 | | | |
| Blackheath | 29.531 | 35.5 | 18.0 | 57.5 | 49.5 | 38.7 | 34.9 | 10.9 | 45.4 | 41.4 | 238 | 3.1 | 0.5 | 85 | 545 | 65.8 | 33.6 | — | — | 0.6 | 6 | 9 | 10 | — | 5.8 | 65 | 9.48 | |
| Camden Square | 29.540 | 38.8 | 19.7 | 59.1 | 50.5 | 39.5 | 37.4 | 11.1 | 45.0 | 40.8 | 233 | 2.9 | 0.5 | 85 | 545 | 76.4 | 33.6 | — | — | 0.6 | 6 | 4 | 12 | — | 6.3 | 49 | 9.56 | |
| Barnet | 29.571 | 38.0 | 19.9 | 54.1 | 50.8 | 39.3 | 41.3 | 14.8 | 49.0 | 40.5 | 251 | 2.9 | 0.4 | 89 | 545 | 80.3 | 32.9 | — | — | 0.6 | 6 | 4 | 10 | — | 6.3 | 49 | 9.56 | |
| Oxford | 29.539 | 35.7 | 20.0 | 55.7 | 52.5 | 39.7 | 34.8 | 10.8 | 44.5 | 41.0 | 265 | 3.1 | 0.4 | 88 | 543 | 80.3 | 32.9 | 2.4 | 5 | 4 | 10 | 11 | — | 6.3 | 50 | 9.33 | | |
| Royston | 29.560 | 37.7 | 20.1 | 57.6 | 49.2 | 39.3 | 34.3 | 11.8 | 43.5 | 40.5 | 239 | 2.9 | 0.4 | 89 | 544 | — | — | — | — | 0.5 | 5 | 10 | 10 | — | 6.3 | 50 | 9.33 | |
| Cambridge | 29.483 | 39.5 | 17.0 | 61.5 | 52.3 | 37.6 | 33.8 | 12.7 | 44.1 | 40.6 | 262 | 2.9 | 0.4 | 85 | 546 | 74.7 | 31.8 | 1.2 | 5 | 4 | 9 | 13 | — | 6.7 | 40 | 8.56 | | |
| Rugby | 29.502 | 32.0 | 15.0 | 47.0 | 39.5 | 39.2 | 37.3 | 12.7 | 44.1 | 40.6 | 262 | 2.9 | 0.4 | 85 | 545 | — | — | — | — | 1.2 | 5 | 4 | 9 | 13 | — | 6.7 | 40 | 8.56 |
| Lowestoft | 29.501 | 30.8 | 19.2 | 51.6 | 39.5 | 39.2 | 37.3 | 12.7 | 44.1 | 40.6 | 262 | 2.9 | 0.4 | 85 | 545 | 79.5 | 35.1 | — | — | 2.2 | 6 | 4 | 9 | 13 | — | 7.5 | 48 | 8.47 |
| Somerleyton | 29.511 | 30.8 | 14.2 | 56.6 | 50.6 | 33.9 | 30.3 | 11.9 | 44.3 | 40.7 | 233 | 2.9 | 0.5 | 87 | 546 | — | — | — | — | 1.0 | 5 | 9 | 12 | 3.0 | 6.9 | 46 | 8.77 | |
| Wolverhampton | 29.583 | 30.6 | 19.4 | 51.2 | 43.0 | 50.7 | 33.6 | 11.3 | 42.1 | 39.2 | 244 | 2.9 | 0.3 | 90 | 541 | — | — | — | — | 0.6 | 7 | 4 | 10 | 10 | — | 6.9 | 58 | 9.89 |
| Leicester | 29.505 | 37.5 | 18.5 | 59.0 | 49.0 | 39.7 | 34.7 | 10.3 | 43.9 | 41.7 | 237 | 3.0 | 0.4 | 89 | 543 | 67.0 | 39.6 | 0.6 | 7 | 4 | 10 | 10 | — | 6.9 | 58 | 9.89 | | |
| Nottingham | 29.493 | 32.8 | 15.8 | 57.0 | 49.6 | 36.3 | 31.9 | 11.0 | 44.0 | 40.6 | 232 | 2.9 | 0.4 | 89 | 543 | 62.1 | 33.7 | 0.2 | 4 | 5 | 8 | 13 | 1.2 | 6.7 | 74 | 9.19 | | |
| Burslem | 29.507 | 30.7 | 18.4 | 51.3 | 41.7 | 33.4 | 28.6 | 8.3 | 42.2 | 39.7 | 251 | 2.9 | 0.3 | 91 | 541 | — | — | — | — | 1.1 | 6 | 7 | 9 | 9 | — | 7.4 | 66 | 11.71 |
| Llandudno | 29.441 | 32.0 | 23.5 | 43.3 | 30.6 | 42.7 | 25.0 | 8.0 | 46.8 | 42.7 | 281 | 3.2 | 0.5 | 86 | 542 | — | — | — | — | 1.0 | 6 | 8 | 11 | — | 7.4 | 61 | 13.65 | |
| Liverpool | 29.441 | 32.0 | 23.5 | 43.3 | 30.6 | 42.7 | 25.0 | 8.1 | 46.9 | 41.0 | 282 | 3.0 | 0.5 | 86 | 512 | — | — | 1.4 | 5 | 7 | 9 | 10 | — | 6.1 | 70 | 11.99 | | |
| Halifax | 29.554 | 34.2 | 13.0 | 51.2 | 47.7 | 37.0 | 28.8 | 10.7 | 43.6 | 39.1 | 246 | 2.9 | 0.3 | 91 | 540 | 61.6 | 33.9 | 0.8 | 5 | 6 | 9 | 11 | — | 6.8 | 60 | 13.60 | | |
| Hull | 29.517 | 33.0 | 19.0 | 57.0 | 49.0 | 39.7 | 34.7 | 10.3 | 43.9 | 41.7 | 237 | 2.8 | 0.5 | 85 | 545 | 57.8 | 34.1 | 1.2 | 5 | 3 | 11 | 1 | — | 5.7 | 50 | 8.20 | | |
| Bradford | 29.483 | 32.1 | 15.6 | 44.6 | 38.4 | 39.9 | 28.5 | 8.5 | 43.8 | 39.7 | 253 | 2.9 | 0.5 | 86 | 540 | 60.7 | — | 0.6 | 7 | 5 | 9 | 10 | — | 7.8 | 61 | 11.07 | | |
| Leeds | 29.474 | 35.0 | 22.0 | 43.0 | 47.8 | 30.8 | 24.3 | 7.6 | 43.9 | 40.7 | 231 | 3.0 | 0.4 | 89 | 544 | — | — | — | — | 1.2 | 8 | 4 | 7 | 12 | — | 6.6 | 57 | 9.31 |
| Stonyhurst | 29.530 | 37.3 | 12.2 | 55.1 | 48.3 | 35.6 | 32.6 | 11.7 | 42.6 | 38.5 | 240 | 2.8 | 0.5 | 85 | 542 | 76.8 | 32.3 | — | — | 0.6 | 6 | 7 | 9 | 12 | — | 6.6 | 57 | 9.31 |
| Carlisle | 29.450 | 39.5 | 4.2 | 65.3 | 40.3 | 36.1 | 37.2 | 13.2 | 43.0 | 39.7 | 232 | 2.9 | 0.4 | 88 | 545 | 64.4 | 25.9 | 0.8 | 5 | 4 | 9 | 13 | 2.1 | 7.2 | 54 | 10.91 | | |

The highest temperatures of the air were at Rugby, 83° 0; at Cambridge, 79° 5; and at Royal Observatory, 79° 2.
 The lowest temperatures of the air were at Carlisle, 4° 2; at Stonyhurst, 12° 2; and at Halifax, 13° 0.
 The greatest ranges of temperature were at Carlisle, 65° 3; at Barnet, 61° 1; and at Cambridge, 62° 5.
 The least ranges of temperature were at Guernsey, 39° 0; at Torquay, 40° 0; and at Leeds, 43° 0.
 The greatest number of days of rain were at Guernsey, 78; at Nottingham, 74; and at Salisbury, 72.
 The least number of days of rain were at Blackheath, 45; at Somerleyton, 46; and at Greenwich and Whitechurch, 47.
 The greatest falls of rain were at Barnstaple, 19.67 inches; at Bath, 19.27 inches; and at Guernsey, 18.31 inches.
 The least falls of rain were at Royal Observatory, 8.03 inches; at Blackheath, 8.38 inches; and at Lowestoft, 8.47 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS OF LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings in the Thermometer in the Lowest Read- ings of the Thermometer in the Quarter. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone | Mean Amount of Cloud. | Mean Number of Days it fell. | RAIN. Mean Amount col- lected. | | | | |
|--|---|---|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|------|------|-----|----------------------|-----------------------|---------------------------------|--------------------------------------|-----|-----|-------|-------|
| | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.544 | 69.4 | 31.4 | 38.0 | 33.2 | 44.7 | 35.1 | 3.5 | 4.2 | 44.8 | 297 | 3.3 | 0.6 | 84 | 537 | 85.4 | 39.2 | 1.4 | 6 | 5 | 8 | 11 | 3.4 | 7.1 | 78 | 18.31 | |
| Between the latitudes | 50° and 51° | 29.506 | 69.1 | 32.2 | 46.9 | 32.5 | 37.3 | 8.5 | 49.8 | 43.6 | 291 | 3.3 | 0.5 | 87 | 543 | 85.4 | 39.2 | 1.2 | 6 | 5 | 8 | 11 | 3.4 | 7.1 | 78 | 18.31 | |
| | 51° and 52° | 29.547 | 75.4 | 31.7 | 57.7 | 50.7 | 38.5 | 33.3 | 11.2 | 44.6 | 41.1 | 265 | 3.1 | 0.4 | 89 | 543 | 70.8 | 32.8 | 1.7 | 5 | 5 | 9 | 11 | 2.6 | 6.4 | 56 | 14.87 |
| | 52° and 53° | 29.516 | 74.6 | 17.5 | 57.7 | 49.3 | 38.1 | 33.0 | 9.1 | 43.8 | 40.8 | 269 | 3.0 | 0.5 | 89 | 543 | 65.0 | 33.4 | 1.0 | 5 | 5 | 9 | 11 | 2.6 | 6.4 | 56 | 14.87 |
| | 53° and 54° | 29.502 | 67.4 | 19.2 | 51.6 | 39.5 | 39.2 | 37.3 | 12.7 | 44.1 | 40.6 | 262 | 2.9 | 0.4 | 85 | 545 | 64.4 | 25.9 | 0.8 | 5 | 4 | 9 | 13 | 2.1 | 7.2 | 54 | 10.91 |
| 54° and 55° | 29.450 | 69.5 | 4.2 | 65.3 | 49.3 | 36.1 | 37.2 | 13.2 | 43.0 | 39.7 | 232 | 2.9 | 0.4 | 88 | 545 | 64.4 | 25.9 | 0.8 | 5 | 4 | 9 | 13 | 2.1 | 7.2 | 54 | 10.91 | |
| Mean for the Quarter, 50° to 55° | Year 1883 | 29.596 | 63.1 | 24.6 | 68.5 | 50.1 | 39.0 | 29.7 | 11.1 | 44.4 | 40.6 | 253 | 2.9 | 0.4 | 87 | 545 | 70.5 | 35.0 | 1.3 | 6 | 4 | 7 | 14 | 1.6 | 7.8 | 54 | 9.90 |
| | " 1884 | 29.575 | 63.3 | 25.0 | 69.5 | 49.5 | 38.3 | 31.8 | 11.2 | 43.7 | 39.2 | 246 | 2.8 | 0.5 | 86 | 548 | 63.8 | 33.4 | 1.2 | 7 | 5 | 7 | 12 | 3.7 | 6.9 | 45 | 6.93 |
| | " 1885 | 29.561 | 61.5 | 19.5 | 64.0 | 47.7 | 37.7 | 30.0 | 10.9 | 42.4 | 38.8 | 239 | 2.7 | 0.5 | 87 | 548 | 63.5 | 33.6 | 1.1 | 7 | 6 | 7 | 12 | 7.1 | 50 | 6.93 | |
| | " 1886 | 29.565 | 71.2 | 16.2 | 55.0 | 50.1 | 32.7 | 33.1 | 11.4 | 44.5 | 41.2 | 264 | 3.0 | 0.4 | 88 | 543 | 70.2 | 33.4 | 1.0 | 6 | 4 | 9 | 11 | 2.1 | 6.7 | 39 | 11.88 |

| 1887. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|--|--------------|--|------------|--|----------------------|--|-----------------------------|--|---|--|------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | |
| | o | o | o | o | o | o | o | o | in. | in. | grs. | grs. | |
| Jan. - | 35.6 | -1.0 | -2.8 | 34.8 | -2.1 | 32.9 | -2.0 | 9.6 | +0.1 | .187 | -.014 | 2.2 | -0.2 |
| Feb. - | 38.8 | 0.0 | -0.8 | 36.7 | -1.3 | 33.8 | -1.6 | 12.9 | +1.8 | .194 | -.015 | 2.3 | -0.1 |
| Mar. - | 37.6 | -3.5 | -4.1 | 35.3 | -4.0 | 32.1 | -3.9 | 14.1 | -0.6 | .182 | -.033 | 2.1 | -0.4 |
| Means - | 37.3 | -1.5 | -2.6 | 35.6 | -2.5 | 32.9 | -2.5 | 12.2 | +0.4 | .188 | -.021 | 2.2 | -0.3 |

| 1887. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|--|---|
| | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Amount. | Diff. from ave- rage of 72 years. | | Number of Nights it was | | | Low- est Reading at Night. | High- est Reading at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| Jan. - | 92 | + 2 | 29.831 | + .084 | 558 | + 4 | 1.15 | -0.76 | 238 | 22 | 9 | 0 | 14.9 | 38.0 |
| Feb. - | 84 | - 1 | 30.145 | + .356 | 561 | + 8 | 0.53 | -1.05 | 315 | 18 | 9 | 1 | 13.7 | 42.0 |
| Mar. - | 83 | 0 | 29.891 | + .138 | 557 | + 7 | 1.35 | -0.16 | 288 | 19 | 12 | 0 | 14.6 | 35.0 |
| Means - | 86 | 0 | 29.956 | + .193 | 559 | + 6 | Sum 3.03 | Sum -1.97 | Mean 280 | Sum 59 | Sum 30 | Sum 1 | Lowest 13.7 | Highest 42.0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|--------|----------|-------------------------|
| | 1887. | Average. | Departure from Average. | 1887. | Average. | Departure from Average. | 1887. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 2 | + 2 | 2 | 2½ | - ½ | 3 | 3 | 0 |
| N. | 2 | 3½ | - 1½ | 4 | 3 | + 1 | 5 | 4 | + 1 |
| N.E. | 2 | 3½ | - 1½ | 9 | 4 | + 5 | 6 | 4 | + 2 |
| E. | 1 | 1 | 0 | 1 | 2 | - 1 | 6 | 3 | + 3 |
| S.E. | 7 | 3½ | + 3½ | 3 | 1½ | + 1½ | 0 | 2½ | - 2½ |
| S. | 4 | 4½ | - ½ | 0 | 3 | - 3 | 0 | 3 | - 3 |
| S.W. | 8 | 9½ | - 1½ | 8 | 9 | - 1 | 5 | 8 | - 3 |
| W. | 3 | 3½ | - ½ | 1 | 3 | - 2 | 6 | 3½ | + 2½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in January, are opposite to N.W. and S.E.; in February to N.E. and S.E.; and in March to E., N.E. and W.

The sign (-) denotes deficiencies below averages. In January this sign is opposite to N., N.E., and S.W.; in February to S. and W.; and in March to S. and S.W.

The mean high day temperature of the air in February was 45°·4, being 0°·1 lower than the average of 46 years; it was 7°·4 higher than in 1886; 4°·0 lower than in 1885 and 2°·3 lower than in 1884.

The mean high day temperature of the air in March was 45°·3, being 4°·6 below the average of 46 years; it was 2°·0 lower than in 1886; 3°·7 lower than in 1885, and 7°·4 lower than in 1884.

The mean low night temperature of the air for January was 30°·6, being 2°·9 below the average of 46 years; it was 0°·3 lower than in 1886; 1°·7 lower than in 1885, and 8°·6 lower than in 1884.

The mean low night temperature for February was 32°·5, being 2°·0 below the average of 46 years; it was 2°·7 higher than in 1886; 6°·1 and 4°·3 lower than in 1885 and 1884 respectively.

The mean low night temperature for March was 31°·2, being 3°·9 below the average of 46 years; it was 2°·3, 1°·3, and 6°·2 lower than in the years 1886, 1885, and 1884 respectively.

Therefore the days and nights were cold in January and March; in February the days were about their average value, but the nights were cold.

The mean daily range of temperature in January was 9°·6, being about the average; in February was 12°·9, being 1°·8 greater than the average; and in March was 14°·1, being 0°·6 smaller than the average.

The mean temperature of the air in January was 0°·9 lower than in December; in February was 3°·2 warmer than in January; and in March was 1°·2 colder than in February.

(From the preceding 46 years' observations the decrease of temperature from December to January is 1°·5; the increase from January to February is 1°·2, and the increase from February to March is 2°·1.)

From December to January at stations south of 53°, there was a decrease of temperature of about 1°, but at stations north of this parallel there was an increase of temperature exceeding 1°.

From January to February there was an increase at stations, amounting to 1°·2 south of 51°; to 2°·8 at stations between 51° and 52°; to 3°·6 between 52° and 53°; and to 2°·5 at stations north of 53°.

From February to March there was a decrease at all stations to about 1°.

The mean readings of the barometer at the height of 159 ft. above the level of the sea for the month of January was 29.831 ins., being 0.084 in. above the average of 46 years, 0.356 in. higher than in 1886, 0.118 in. higher than in 1885, and 0.084 in. lower than in 1884.

The mean reading of the barometer in February was 30.145 ins., being 0.356 in. above the average of 46 years; 0.200 in., 0.602 in., and 0.401 in. higher than in the years 1886, 1885, and 1884 respectively.

The mean reading of the barometer in March was 29.891 ins., being 0.138 in. above the average, 0.099 higher than in 1886; 0.009 in. lower than in 1885, and 0.129 in. higher than in 1884.

The mean reading of the barometer in January was 0.309 in. higher than in December; in February was 0.31 in. higher than in January, and in March was 0.25 in. lower than in February.

(From the preceding 46 years observations the mean reading in January is 0.04 in. lower than in December; in February is 0.04 in. higher than in January, and March is 0.04 in. lower than in February.)

From December to January there was an increase of atmospheric pressure at all stations; at those south of latitude 51°, amounting to 0.26 in.; at those between 51° and 52°, to 0.29 in.; those between 52° and 53°, to 0.33 in.; and north of 53° to 0.30 in.

From January to February there was an increase of pressure, amounting to 0.31 in. at stations south of 51°; of 0.32 in. at those between 51° and 52°; to 0.33 in. at those between 52° and 53°; and north of this parallel the mean increase was 0.36 in.

From February to March there was a mean decrease at stations south of 51° of 0.23 in.; between 51° and 52° of 0.25 in.; between 52° and 53° of 0.26 in.; and north of this parallel of 0.20 in.

About London the barometric pressure on January 1st and 2nd was a little above the average, the reading then declined quickly and at the height of 160 feet was below 29 ins.; on the 5th, 6th, 7th, and 8th, and below the average till the 10th day; the average daily deficiency of pressure to the 10th was 0.46 in.; on the 11th there was an excess of pressure above the average, and from this day to March 8th (with the solitary exception of February 1st, when the pressure was slightly below the average), the atmospheric pressure was constantly high, the average daily excess of the 58 days ending March 8th was 0.34 in.; then till the 16th, the average daily deficiency of pressure was 0.11 in.; for four days to the 20th, the average excess of pressure was 0.15 daily; then five days when the pressure was below the average, amounting to 0.40 in. daily; then from the 26th to the end of the quarter there was a mean daily excess of 0.18 in.

Thunderstorms occurred at Truro on January 8th, and at Lowestoft on March 27th.

Thunder was heard but lightning was not seen at Hull on March 24th, at Halifax on March 25th, and at Somerleyton on March 27th.

Lightning was seen but thunder was not heard at Guernsey on January 5th, at Liverpool on February 2nd, and at Oxford on February 23rd.

Solar halos were seen in January, on the 3rd at Halifax; on the 6th at Halifax and Stonyhurst; and on the 10th and 27th at Torquay.

In February, at Stonyhurst on the 2nd; and at Torquay and Oxford on the 5th.

In March, on the 6th at Oxford, Liverpool, and Halifax; on the 11th at Halifax; on the 18th and 24th at Torquay; on the 26th at Halifax; on the 28th at Torquay and Liverpool; and on the 30th at Halifax.

Lunar halos were seen in January on the 2nd at Lowestoft; on the 4th at Oxford, Liverpool, and Stonyhurst; on the 10th at Torquay, Oxford, Liverpool, Halifax, and Stonyhurst; and on the 13th at Torquay.

In February, on the 1st at Liverpool, Halifax, and Stonyhurst; on the 3rd at Stonyhurst; on the 4th at Leicester and Liverpool; and on the 7th at Torquay.

In March, on the 4th at Torquay and Bath; on the 6th at Salisbury, Bath, Oxford, Wolverhampton, Burslem, Liverpool, and Stonyhurst; and on the 28th and 30th at Halifax.

Aurora borealis was seen at Stonyhurst on March 15th.

Snow fell in January, on the 1st at Lowestoft, Wolverhampton, and Burslem; on the 2nd at Guernsey, Ventnor, Bath, Blackheath, Oxford, Royston, Rugby, Lowestoft, Wolverhampton, Burslem, Halifax, and Hull; on the 3rd at Torquay, Ventnor, Salisbury, Whitechurch, Oxford, Cardington, Wolverhampton, Nottingham, and Burslem; on the 4th at Ventnor, Osborne, Whitechurch, Blackheath, Oxford, Royston, Cardington, and generally at all stations up to Carlisle; on the 5th at Torquay, Salisbury, Bath, Whitechurch, Blackheath, Royston, and at most other stations to Carlisle; on the 6th at Salisbury, Bath, Blackheath, Oxford, Royston, Cardington, Cambridge, Rugby, Wolverhampton, Burslem, Llandudno, Liverpool, Leeds, and Carlisle; on the 7th, it fell generally over the country from Torquay in the south to Carlisle in the north; on the 8th at Torquay, Bath, Whitechurch, Rugby, Wolverhampton, Leicester, Burslem, Liverpool, Halifax, Stonyhurst, Bradford, and Carlisle; on the 9th at Torquay, Whitechurch, Blackheath, Oxford, Cardington, Cambridge, Rugby, Wolverhampton, Burslem, Liverpool, Halifax, Hull, Stonyhurst, Bradford, and Carlisle; on the 10th at Whitechurch; on the 11th at Hull; on the

16th at Torquay, Ventnor, Osborne, Blackheath, Oxford, Royston, Cardington, Cambridge, Rugby, Burslem, and Halifax; on the 17th at Guernsey, Bath, Blackheath, Oxford, Royston, Lowestoft, Somerleyton, Wolverhampton, Burslem, Liverpool, Halifax, Hull, Stonyhurst, Bradford, and Carlisle; and on the 18th at Holkham and Hull.

In February, on the 1st at Royston, Cardington, Rugby, Wolverhampton, Liverpool, and Halifax; on the 10th at Guernsey; on the 11th at Guernsey, Torquay, Ventnor, Osborne, and Salisbury; on the 13th and 14th at Halifax; on the 18th at Royston and Cambridge.

In March, on the 11th at Whitechurch, Oxford, Royston, Lowestoft, Somerleyton, Wolverhampton, Burslem, Halifax, Hull, Stonyhurst, Bradford, and Carlisle; on the 12th at Guernsey and at most stations north of latitude 51°; on the 13th at Lowestoft, Somerleyton, and Hull; on the 14th at Plymouth, Torquay, Bath, Oxford, Royston, Cardington, Cambridge, Rugby, Lowestoft, Burslem, Liverpool, and Hull; on the 15th at Guernsey, Plymouth, Torquay, Ventnor, Osborne, Salisbury, Bath, Whitechurch, Blackheath, and at most northern stations; on the 16th at Guernsey, in the Isle of Wight, and at most stations; on the 17th at Guernsey, Osborne, Whitechurch, Blackheath, and at many stations to Carlisle; on the 18th at Whitechurch, Blackheath, and at almost all stations; on the 19th at Torquay, Ventnor, Royston, Cardington, Cambridge, Rugby, Lowestoft, Burslem, Halifax, and Hull; on the 20th at Torquay, Ventnor, Osborne, Salisbury, Bath, Oxford, Royston, Cardington, Cambridge, Rugby, Burslem, Liverpool, Halifax, Hull, and Bradford; on the 21st at Torquay, Whitechurch, Cardington, Rugby, Burslem, Halifax, and Hull; on the 22nd at Royston, Rugby, Liverpool, Halifax, Stonyhurst, and Bradford; and on the 24th at Rugby.

Hail fell in January, on the 3rd at Truro, Torquay, and Llandudno; on the 4th at Truro, Ventnor, and Liverpool; on the 5th at Guernsey, Truro, and Liverpool; on the 6th at Truro, Plymouth, Osborne, and Liverpool; on the 7th at Plymouth and Torquay; on the 8th at Truro; and on the 14th at Ventnor and Carlisle.

In February, on the 1st at Royston and Stonyhurst; on the 2nd at Bath and Liverpool; and on the 25th at Hull and Carlisle.

In March, on the 10th at Torquay, Royston, and Carlisle; on the 11th at Hull; on the 12th at Oxford and Hull; on the 13th at Hull; on the 14th at Torquay; on the 15th at Torquay; on the 20th at Truro; on the 22nd at Torquay, Bath, and Royston; on the 23rd at Torquay; on the 24th at Torquay and Bath; on the 25th at Bradford; and on the 31st at Osborne and Carlisle.

Fog was prevalent in January, on the 1st at Bath, Blackheath, Oxford, Royston, Cambridge, Rugby, Wolverhampton, Leicester, and Nottingham; on the 2nd at Blackheath, Royston, Cambridge, Wolverhampton, and Leicester; on the 3rd at Whitechurch, Rugby, Wolverhampton, and Leicester; on the 6th at Cardington, Cambridge, Rugby, Wolverhampton, Leicester, Nottingham, and Bradford; on the 7th at Cardington, Rugby, Lowestoft, Somerleyton, Wolverhampton, and Bradford; on the 8th at Bath, on the 10th at Salisbury, Bath, Lowestoft, Somerleyton, Burslem, and Stonyhurst; on the 13th at Plymouth, Osborne, Bath, Whitechurch, Blackheath, Oxford, Royston, Cardington, Cambridge, Rugby, Somerleyton, Wolverhampton, Leicester, Nottingham, Burslem, Hull, Stonyhurst, Bradford, and Leeds; on the 14th at Osborne, Blackheath, Royston, Cardington, Cambridge, Rugby, Somerleyton, Wolverhampton, Leicester, Liverpool, and Bradford; on the 17th at Torquay and Bradford; on the 18th at Guernsey, Torquay, Ventnor, Osborne, Salisbury, Bath, Blackheath, Oxford, Cambridge, Rugby, Lowestoft, Leicester, Nottingham, and Leeds; on the 24th at Bath and Cambridge; on the 25th at Bath, Barnet, Oxford, Cardington, Cambridge, Lowestoft, Somerleyton, Wolverhampton, Leicester, and Hull; on the 26th at Bath, Barnet, Cambridge, and Hull; on the 27th at Salisbury, Bath, Whitechurch, Blackheath, Barnet, Oxford, Royston, Cardington, Lowestoft, Somerleyton, Leicester, Bradford, and Leeds; on the 28th at Guernsey, Plymouth, Torquay, Bath, Whitechurch, Blackheath, and Cambridge; on the 29th at Guernsey, Plymouth, Torquay, Ventnor, Osborne, Bath, Whitechurch, and Blackheath; on the 30th at Guernsey, Torquay, Bath, Whitechurch, Blackheath, Royston, Cambridge, Lowestoft, and Somerleyton.

In February, on the 5th at Guernsey and Bath; on the 6th at Lowestoft; on the 7th at Bath, Royston, Cardington, Cambridge, Lowestoft, Somerleyton, Nottingham, Hull, and Bradford; on the 8th at Cardington and Bradford; on the 14th and 15th at Leicester; on the 16th at Guernsey, Bath, Oxford, Rugby, and Leicester; on the 17th at Guernsey, Plymouth, Osborne, Bath, Whitechurch, Blackheath, Oxford, Somerleyton, Leicester, and Bradford; on the 18th at Guernsey, Torquay, Bath, Whitechurch, Blackheath, Lowestoft, Somerleyton, and Wolverhampton; on the 19th at Leicester and Bradford; on the 21st at Somerleyton and Leicester; on the 22nd at Blackheath, Barnet, and Cambridge; on the 26th at Bradford; on the 27th at Bath, Whitechurch, Blackheath, Barnet, Oxford, Cambridge, and Somerleyton; on the 28th at Bath, Whitechurch, Blackheath, Oxford, Cambridge, and Bradford.

In March, on the 1st at Guernsey, Plymouth, Torquay, Osborne, Bath, Whitechurch, Blackheath, Oxford, Cardington, Rugby, and Wolverhampton; on the 2nd at Guernsey, Blackheath, Oxford, Cambridge, Lowestoft, Somerleyton, Nottingham, and Hull; on the 3rd at Guernsey, Torquay, Ventnor, Osborne, Bath, Whitechurch, Blackheath, Oxford, Royston, Cardington, Cambridge, Lowestoft, Somerleyton, Nottingham, and Hull; on the 4th at Guernsey, Plymouth, Torquay, Cambridge, Rugby, Lowestoft, Somerleyton, Wolverhampton, Nottingham, Liverpool, Hull, Stonyhurst, and Bradford; on the 5th at Guernsey, Plymouth, Torquay, Osborne, Bath, Whitechurch, Blackheath, Barnet, Oxford, Cardington, Cambridge, Rugby, Wolverhampton, Liverpool, Halifax, Hull, Stonyhurst, Bradford, and Carlisle; on the 6th at Guernsey and Torquay; on the 10th at Cambridge; on the 11th at Blackheath, Oxford, Cambridge, and Wolverhampton; on the 15th at Blackheath, Somerleyton, and Wolverhampton; on the 16th at Wolverhampton; on the 17th at Wolverhampton, Liverpool, and Bradford; on the 19th and 20th at Wolverhampton; on the 29th at Stonyhurst; and on the 30th and 31st at Plymouth.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31ST, 1887.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1887. | Months. | Height of Station Above Sea Level. | Names of Stations and Observers. | Temperature of Air in Month. | | | Mean Temperature. | Vapour. | | Mean Reading of Thermometer. | Wind. | | Mean Amount of Cloud. | Amount of Rain. |
|------------|---------|------------------------------------|--|------------------------------|---------|----------|-------------------|---------|-------|------------------------------|------------|--------|-----------------------|-----------------|
| | | | | Range. | Lowest. | Highest. | | Range. | Mean. | | Direction. | Force. | | |
| | | | | | | | | | | | | | | |
| Jan. | 29-727 | 275 | GUERNSEY, ADOLPHUS COLLENETTE, Esq., F. R. Met. Soc. | 51.0 | 29.1 | 72.9 | 37.6 | 2.23 | 9.4 | 31.5 | 9 | 11 | 2.7 | 8.11 |
| Feb. | 30-016 | 43 | TRURO (Cornwall), F. R. Met. Soc. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 48 | PLYMOUTH (Devon), J. MERRIFIELD, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L. HALL. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 172 | OSBORNE (Isle of Wight), J. R. MANN, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 186 | SALISBURY (Wilton House), WILKS, THOMAS CHADLER, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 43 | BAENSTAPLE (Devon), WILLIAM KNILL, Esq. | 55.0 | 24.0 | 85.0 | 41.5 | 2.14 | 0.5 | 30.9 | 7 | 6 | 3.2 | 1.60 |
| Jan. | 29-883 | 69 | TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 55.0 | 24.0 | 85.0 | 41.5 | 2.23 | 0.5 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Feb. | 30-016 | 805 | VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | 53.3 | 27.3 | 87.4 | 40.7 | 2.27 | 0.4 | 32.7 | 6 | 10 | 1.5 | 8.55 |
| Mar. | 29-788 | 12 | EASTBOURNE, MISS W. L | | | | | | | | | | | |

| Year 1887. | Months. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | | Mean Reading of a Thermometer. | Wind. | | | Mean Amount of Ozone. | Number of Days in fall. | Rain. | | | | | | | |
|---|---------|----------------------------------|--------|------------------------------|--------|---------|-------------------|-----------------|----------------|-------|------------|--------------------------------------|----------------|---------------------------|------|-----------------------------|-------------------------------|-------|-------|-------------------------|--|----------------------------|----------------------|------------------------|------|
| | | Mean. | Range. | In. | Range. | Lowest. | Range. | Mean | | Air. | Dew Point. | | Elastic Force. | Relative Proportion of | | | | | | | | | | | |
| | | | | | | | | Of all Highest. | Of all Lowest. | | | | | W. | S. | | | | N. | | | | | | |
| | | | | | | | | | | | | | | | | | | | | Short of Saturation. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated Strength. | |
| Height of Station Above Sea Level. | feet. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
| HOLKHAM (Norfolk), JOHN DAVIDSON, Esq., Assistant to the Earl of Leicester. | 29 | 29.815 | 1.602 | 59.8 | 21.6 | 38.2 | 49.0 | 33.2 | 15.8 | 38.9 | 31.3 | 53.1 | 70.1 | 28.0 | 0.9 | 6 | 3 | 10 | 6.8 | 10 | 2.43 | 3.64 | 0.81 | 0.52 | 1.73 |
| | 29 | 29.562 | 2.212 | 50.8 | 13.4 | 37.4 | 48.0 | 34.2 | 13.5 | 34.8 | 31.3 | 53.4 | 53.2 | 29.8 | 1.2 | 6 | 4 | 10 | 6.0 | 9 | 3.64 | 0.81 | 0.52 | 1.73 | |
| | 29 | 29.919 | 1.808 | 50.8 | 10.8 | 40.0 | 39.0 | 25.3 | 12.7 | 34.0 | 31.7 | 58.0 | 58.0 | 21.1 | 1.0 | 5 | 4 | 12 | 10 | 6.5 | 0.81 | 0.52 | 1.73 | | |
| | 29 | 30.342 | 1.218 | 54.8 | 13.8 | 39.0 | 46.8 | 38.1 | 33.2 | 18.9 | 33.2 | 58.1 | 81.8 | 22.6 | 1.1 | 5 | 6 | 10 | 7 | 4.3 | 0.81 | 0.52 | 1.73 | | |
| | 29 | 29.980 | 1.686 | 54.2 | 14.4 | 39.8 | 44.6 | 27.1 | 17.5 | 33.2 | 33.2 | 58.2 | 96.2 | 21.9 | 1.2 | 9 | 8 | 9 | 5.2 | 1 | 1.73 | 0.81 | 0.52 | 1.73 | |
| | 29 | 29.302 | 1.793 | 51.4 | 10.2 | 32.2 | 38.2 | 29.2 | 9.0 | 34.5 | 32.5 | 58.1 | 58.1 | 27.6 | 1.0 | 5 | 6 | 11 | 9 | 8.6 | 16 | 2.94 | 0.81 | 0.52 | 1.73 |
| | 29 | 29.609 | 1.640 | 53.2 | 11.2 | 33.2 | 40.2 | 31.2 | 10.3 | 37.6 | 33.8 | 58.2 | 58.2 | 27.6 | 1.1 | 5 | 6 | 11 | 9 | 8.6 | 16 | 2.94 | 0.81 | 0.52 | 1.73 |
| | 29 | 29.440 | 1.541 | 53.2 | 21.0 | 33.2 | 45.2 | 31.7 | 10.8 | 36.4 | 33.2 | 58.2 | 58.2 | 26.0 | 1.1 | 8 | 6 | 7 | 10 | 7.1 | 12 | 1.53 | 0.81 | 0.52 | 1.73 |
| | 29 | 29.804 | 1.770 | 56.2 | 27.4 | 28.8 | 42.2 | 35.6 | 8.6 | 41.2 | 37.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 7.0 | 16 | 2.75 | 0.81 | 0.52 | 1.73 | |
| | 29 | 29.904 | 1.070 | 56.1 | 24.5 | 31.6 | 47.2 | 35.5 | 21.0 | 42.2 | 35.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 4.7 | 10 | 0.53 | 0.81 | 0.52 | 1.73 | |
| | 29 | 29.960 | 1.430 | 51.0 | 26.4 | 24.0 | 41.6 | 34.6 | 10.0 | 39.7 | 33.7 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 29 | 29.701 | 1.835 | 53.0 | 51.4 | 53.4 | 41.8 | 33.3 | 8.5 | 37.5 | 33.9 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 197 | 29.701 | 1.215 | 55.0 | 25.0 | 39.0 | 44.8 | 34.5 | 10.3 | 39.2 | 34.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.701 | 1.215 | 55.0 | 25.0 | 39.0 | 44.8 | 34.5 | 10.3 | 39.2 | 34.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.539 | 1.545 | 53.0 | 27.0 | 36.0 | 43.9 | 34.2 | 9.7 | 38.2 | 33.2 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.535 | 1.745 | 51.4 | 16.2 | 38.1 | 39.5 | 37.6 | 9.1 | 35.0 | 32.3 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.719 | 1.184 | 53.0 | 20.3 | 38.7 | 41.2 | 31.2 | 13.0 | 37.0 | 32.8 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 4.7 | 10 | 0.53 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.704 | 1.677 | 45.3 | 19.0 | 36.3 | 44.0 | 30.4 | 13.6 | 33.3 | 32.1 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.919 | 1.786 | 53.0 | 21.0 | 37.0 | 49.0 | 33.0 | 10.9 | 35.0 | 32.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.968 | 1.057 | 53.0 | 21.0 | 37.0 | 49.0 | 33.0 | 10.9 | 35.0 | 32.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.957 | 1.633 | 53.0 | 21.0 | 37.0 | 49.0 | 33.0 | 10.9 | 35.0 | 32.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.937 | 1.747 | 53.3 | 21.0 | 37.0 | 49.0 | 33.0 | 10.9 | 35.0 | 32.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.945 | 1.747 | 53.3 | 21.0 | 37.0 | 49.0 | 33.0 | 10.9 | 35.0 | 32.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 197 | 29.929 | 1.631 | 53.3 | 21.0 | 37.0 | 49.0 | 33.0 | 10.9 | 35.0 | 32.5 | 58.4 | 58.4 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| LEEDS (Yorkshire), The Philosophical Hall. WM. EAGLE CLARKE, Esq. | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 137 | 29.788 | 1.744 | 54.0 | 21.0 | 33.0 | 49.6 | 32.9 | 7.7 | 37.1 | 34.7 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| STONYHURST (Lancashire), REV. S. J. PERRY, F.R.S., F.R. Met. Soc., F.R.A.S. | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 363 | 29.925 | 1.772 | 51.8 | 16.0 | 36.0 | 41.2 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| CARLSLE, Spital (Cumberland), ISAAC CARTMEL, Esq., F.R. Met. Soc. | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 58.1 | 27.6 | 0.8 | 3 | 11 | 13 | 6.0 | 8 | 1.83 | 0.81 | 0.52 | 1.73 | |
| | 114 | 29.745 | 1.817 | 55.3 | 16.8 | 38.5 | 42.7 | 29.8 | 11.4 | 35.7 | 32.6 | 58.1 | 5 | | | | | | | | | | | | |

| Second Rain-gauges are placed— | | Jan. | Feb. | Mar. | Total in Quarter. |
|--------------------------------|---|------|------|------|-------------------|
| A1 | The Green, Eastbourne, at the height of 1 foot above the ground; 85 feet above the sea; the amount collected was 1,409 ins. | 3.54 | 0.71 | 1.17 | 5.42 |
| A2 | The Cemetery | 3.54 | 0.71 | 1.17 | 5.42 |
| A3 | The Gaiety | 3.54 | 0.40 | — | 3.94 |
| A4 | Beachy Head | 4.05 | 0.71 | — | 4.76 |
| A5 | 1 foot | 2.68 | — | 0.84 | 3.52 |
| A6 | 1 foot | 4.05 | 0.72 | — | 4.77 |
| A7 | 22 feet | 2.54 | — | 1.86 | 4.40 |
| A8 | Oxford | 2.44 | 0.43 | — | 2.87 |
| A9 | 48 | 1.74 | — | 1.28 | 3.02 |
| A10 | Nottingham | — | 0.49 | — | 0.49 |
| A11 | Holkham | 0.89 | — | — | 0.89 |
| A12 | 4 | — | — | — | — |
| A13 | 5 | — | — | — | — |
| A14 | 3 | — | — | — | — |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|-------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------|------------------------|
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | Number of Days on which it fell. | Amount collected. | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Relative Proportion of |
| | in. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.930 | 53.0 | 33.1 | 26.9 | 45.3 | 36.8 | 35.1 | 8.5 | 41.0 | 37.0 | .221 | grs. | gr. | 4 | 86 | 553 | 83.6 | 31.7 | 1.5 | 6 | 8 | 8 | 9 | 2.7 | 5.7 | 49 | 4.9 |
| Truro | 29.890 | 59.0 | 22.0 | 37.0 | 68.0 | 35.5 | 32.3 | 11.5 | 40.9 | 38.7 | .223 | 2.5 | 0.3 | 87 | 555 | — | — | 3.2 | 7 | 7 | 8 | 8 | — | 6.7 | 31 | 5.73 | |
| Plymouth | 29.969 | 56.8 | 33.4 | 43.3 | 46.4 | 34.9 | 37.7 | 12.5 | 40.5 | 37.7 | .223 | 2.6 | 0.4 | 89 | 558 | 94.0 | — | 1.3 | 7 | 7 | 7 | 9 | — | 5.9 | 36 | 6.25 | |
| Torquay | 29.921 | 57.9 | 31.6 | 36.3 | 45.8 | 35.6 | 33.1 | 9.5 | 40.4 | 38.9 | .220 | 2.5 | 0.4 | 88 | 552 | 81.6 | 29.0 | 1.6 | 6 | 7 | 7 | 9 | 5.9 | 6.9 | 37 | 5.76 | |
| Ventnor | 29.917 | 57.4 | 24.5 | 32.9 | 45.8 | 33.0 | 30.9 | 9.7 | 40.7 | 34.3 | .193 | 2.3 | 0.6 | 80 | 557 | — | — | 1.1 | 8 | 7 | 7 | 8 | — | 6.5 | 24 | 4.54 | |
| Eastbourne | 29.970 | 54.8 | 17.5 | 37.3 | 42.9 | 34.2 | 30.6 | 8.7 | 38.0 | 34.2 | .197 | 2.3 | 0.4 | 85 | 560 | 59.0 | 29.9 | 0.3 | 8 | 5 | 7 | 10 | 0.5 | 6.5 | 37 | 4.55 | |
| Osborne | 29.928 | 58.0 | 30.5 | 37.5 | 44.6 | 32.5 | 32.8 | 12.1 | 33.3 | 32.5 | .209 | 2.4 | 0.3 | 91 | 557 | 75.2 | 51.6 | 0.8 | 7 | 7 | 8 | 7 | — | 6.1 | 33 | 5.02 | |
| Salisbury | 29.940 | 61.0 | 13.0 | 48.0 | 45.8 | 27.9 | 34.7 | 17.9 | 36.9 | 33.4 | .191 | 2.2 | 0.4 | 87 | 559 | 71.4 | — | 1.2 | 10 | 5 | 8 | 8 | — | 6.8 | 42 | 6.48 | |
| Barnstaple | 29.940 | 60.5 | 21.0 | 39.5 | 47.5 | 36.2 | 33.5 | 11.1 | 40.5 | 37.8 | .229 | 2.7 | 0.4 | 89 | 556 | — | — | 1.2 | 6 | 8 | 8 | 9 | — | 4.0 | 33 | 6.61 | |
| Bath | 29.937 | 59.3 | 13.5 | 44.7 | 43.0 | 31.3 | 38.6 | 11.7 | 36.9 | 34.5 | .200 | 2.3 | 0.3 | 92 | 550 | 80.1 | 22.4 | 1.1 | 7 | 6 | 9 | 9 | — | 6.5 | 39 | 7.60 | |
| Whitechapel | 29.987 | 57.3 | 12.8 | 44.7 | 43.3 | 32.0 | 35.1 | 11.3 | 36.9 | 34.9 | .195 | 2.3 | 0.3 | 89 | 560 | — | — | 0.8 | 6 | 7 | 8 | 10 | — | 7.0 | 29 | 5.15 | |
| Royal Observatory | 29.946 | 57.9 | 15.5 | 43.7 | 43.6 | 31.4 | 35.8 | 12.2 | 37.4 | 33.9 | .188 | 2.2 | 0.4 | 86 | 558 | 63.9 | 27.6 | — | — | — | — | — | 2.3 | 6.9 | 23 | 3.03 | |
| Blackheath | 29.939 | 56.5 | 15.0 | 40.5 | 42.3 | 31.3 | 34.9 | 11.0 | 37.0 | 33.9 | .188 | 2.2 | 0.3 | 86 | 559 | 69.2 | — | — | — | — | — | — | — | 7.0 | 28 | 3.91 | |
| Camden Square | 29.947 | 57.5 | 14.5 | 43.0 | 43.8 | 32.0 | 34.8 | 11.8 | 37.8 | 34.0 | .196 | 2.3 | 0.4 | 87 | 561 | 81.1 | 28.5 | — | 0.6 | 8 | 7 | 6 | 9 | — | 6.8 | 30 | 3.39 |
| Barnet | 29.974 | 58.0 | 10.0 | 40.0 | 44.0 | 28.4 | 42.7 | 15.6 | 38.2 | 33.2 | .199 | 2.2 | 0.3 | 89 | 559 | 72.3 | 36.0 | 0.5 | 8 | 7 | 5 | 10 | — | 6.4 | 24 | 5.50 | |
| Oxford | 29.935 | 56.0 | 14.0 | 42.0 | 43.5 | 31.7 | 36.7 | 11.3 | 37.4 | 34.1 | .197 | 2.3 | 0.4 | 88 | 558 | 72.3 | 37.8 | 2.3 | 7 | 5 | 9 | 9 | 0.9 | 6.7 | 29 | 4.79 | |
| Royston | 29.978 | 57.2 | 12.0 | 45.2 | 43.6 | 30.7 | 35.5 | 12.9 | 37.0 | 33.0 | .198 | 2.2 | 0.4 | 85 | 557 | — | — | — | 6 | 6 | 9 | 9 | — | 6.3 | 32 | 3.73 | |
| Cardington | 29.949 | 58.5 | 11.0 | 47.5 | 44.8 | 29.9 | 33.9 | 14.9 | 37.0 | 33.0 | .182 | 2.2 | 0.4 | 87 | 560 | 59.7 | 25.5 | 1.0 | 6 | 8 | 8 | 10 | — | 6.0 | 24 | 4.25 | |
| Cambridge | 29.910 | 57.8 | 11.0 | 46.8 | 44.8 | 30.0 | 34.4 | 14.6 | 37.1 | 33.9 | .196 | 2.2 | 0.3 | 88 | 551 | 79.1 | 34.7 | 1.4 | 6 | 6 | 9 | 10 | — | 6.3 | 29 | 3.45 | |
| Rugby | 29.908 | 41.0 | 6.5 | 54.5 | 42.8 | 28.0 | 41.6 | 14.8 | 35.9 | 33.3 | .191 | 2.2 | 0.3 | 90 | 557 | — | — | — | 0.6 | 6 | 7 | 9 | 8 | — | 6.3 | 38 | 3.68 |
| Lowestoft | 29.913 | 55.0 | 11.4 | 43.6 | 43.2 | 32.5 | 30.7 | 10.7 | 37.9 | 35.5 | .205 | 2.4 | 0.3 | 91 | 550 | 77.1 | 29.3 | 2.0 | 6 | 6 | 6 | 9 | — | 6.1 | 36 | 3.18 | |
| Somerleyton | 29.928 | 56.6 | 20.2 | 39.4 | 43.6 | 30.9 | 33.3 | 13.1 | 38.7 | 34.4 | .201 | 2.3 | 0.3 | 92 | 561 | — | — | 1.0 | 5 | 7 | 8 | 10 | 3.2 | 6.3 | 33 | 3.60 | |
| Wetherhampton | 29.909 | 54.7 | 17.0 | 37.7 | 42.1 | 30.3 | 32.2 | 11.8 | 35.8 | 33.2 | .187 | 2.1 | 0.3 | 89 | 554 | — | — | — | 6 | 6 | 9 | 9 | — | 7.9 | 30 | 4.86 | |
| Leicester | 29.917 | 58.0 | 19.0 | 43.0 | 43.1 | 31.2 | 33.9 | 12.9 | 37.8 | 33.2 | .189 | 2.1 | 0.5 | 83 | 556 | 72.6 | 21.6 | 0.6 | 6 | 6 | 9 | 9 | — | 7.0 | 39 | 4.83 | |
| Nottingham | 29.904 | 54.7 | 17.7 | 37.7 | 43.9 | 31.1 | 34.0 | 12.5 | 37.5 | 34.4 | .190 | 2.3 | 0.3 | 89 | 559 | 63.1 | 26.9 | 0.7 | 4 | 6 | 9 | 10 | 2.0 | 6.7 | 42 | 3.79 | |
| Holkham | 29.909 | 54.8 | 10.8 | 44.0 | 43.0 | 27.4 | 39.6 | 15.5 | 36.3 | 33.2 | .182 | 2.2 | 0.4 | 86 | 559 | 73.7 | 11.9 | 1.1 | 6 | 5 | 10 | 9 | — | 5.3 | — | 3.11 | |
| Burslem | 29.914 | 53.2 | 19.2 | 23.4 | 41.4 | 31.4 | 50.2 | 20.0 | 36.2 | 33.2 | .198 | 2.2 | 0.4 | 89 | 551 | — | — | 2.7 | 1 | 7 | 8 | 7 | — | 7.3 | 34 | 5.83 | |
| Llandudno | 29.876 | 56.2 | 24.5 | 31.7 | 45.7 | 35.9 | 38.8 | 9.8 | 41.0 | 35.6 | .209 | 2.4 | 0.5 | 83 | 554 | — | — | — | 0.9 | 5 | 8 | 9 | 12 | — | 5.9 | 34 | 5.13 |
| Liverpool | 29.894 | 55.4 | 34.5 | 39.9 | 43.4 | 30.4 | 28.4 | 9.6 | 38.3 | 33.3 | .195 | 2.2 | 0.4 | 86 | 556 | — | — | 1.4 | 4 | 7 | 9 | 9 | — | 6.0 | 33 | 4.18 | |
| Halifax | 29.915 | 59.0 | 16.2 | 42.8 | 42.6 | 30.7 | 37.7 | 11.9 | 36.3 | 33.2 | .184 | 2.1 | 0.4 | 85 | 555 | 67.5 | 36.3 | — | — | — | — | — | — | 6.0 | 31 | 4.75 | |
| Hull | 29.906 | 60.0 | 20.1 | 39.0 | 44.2 | 30.8 | 33.5 | 11.5 | 37.7 | 33.3 | .192 | 2.2 | 0.4 | 85 | 561 | 58.8 | 29.6 | 1.2 | 6 | 5 | 11 | 9 | — | 6.0 | 39 | 3.98 | |
| Bradford | 29.884 | 56.6 | 11.1 | 35.5 | 43.6 | 33.7 | 37.7 | 10.0 | 38.0 | 33.3 | .190 | 2.3 | 0.6 | 82 | 552 | 58.4 | — | 0.5 | 6 | 5 | 8 | 11 | — | 7.8 | 34 | 4.18 | |
| Stoynourst | 29.904 | 56.1 | 12.6 | 43.6 | 44.3 | 30.1 | 38.9 | 14.0 | 37.0 | 33.0 | .190 | 2.2 | 0.4 | 86 | 554 | 73.9 | 26.5 | — | 5 | 6 | 7 | 12 | — | 7.2 | 37 | 8.12 | |
| Carlisle | 29.845 | 63.2 | 15.4 | 47.8 | 45.8 | 31.3 | 41.1 | 14.5 | 38.6 | 34.1 | .197 | 2.3 | 0.5 | 86 | 557 | 66.6 | 29.8 | 1.0 | 4 | 4 | 9 | 12 | 1.7 | 7.6 | 31 | 4.94 | |

The highest temperatures of the air were at Carlisle, $63^{\circ} \cdot 2$; at Salisbury and Rugby, $61^{\circ} \cdot 0$.

The lowest temperatures of the air were at Rugby, 60.5; at Barnet, 80.0; and at Holkham, 100.8.

The greatest ranges of temperature were at Rugby, $54^{\circ}5$; at Barnet, $50^{\circ}0$; and at Salisbury, $48^{\circ}0$.

The least ranges of temperature were at Guernsey, $28^{\circ}9$; at Liverpool, $30^{\circ}9$; and at Llandudno, $31^{\circ}7$.

The greatest number of days of rain were at Guernsey, 49; at Burslem, 44; and at Salisbury and Nottingham, 42.

The least number of days of rain were at Barnet 24; at Cardington, 24; and at Greenwich and Blackheath, 23.

The greatest falls of rain were at Stonyhurst, 8·12 inches; at Bath, 7·60 inches; and at Salisbury, 6·48 inches.

The least falls of rain were at Blackheath, 2·91 inches; at Greenwich, 3·03 inches; and at Holkham, 3·11 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the sea. | Mean of all heights Read by the Thermometer | Mean of all Lowest Read ings of the Thermometer | Mean Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation | Mean degree of Humidity | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | RAIN. | | | | | |
|----------------------------------|-------------|---|---|---|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|--|-------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|----------------------|------------------------------|------------------------|------|------|------|
| | | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | Mean Amount of Ozone | Mean Number of Days it fell. | Mean Amount collected. | | | |
| Guernsey | - - - | in. | 29.930 | 53.0 | 36.1 | 36.9 | 45.3 | 36.8 | 25.1 | 8.5 | 41.0 | 37.0 | 221 | 2.6 | 0.4 | 86 | 553 | 82.6 | 31.0 | 1.5 | 6 | 8 | 8 | 9 | 3.7 | 5.7 | 49 | 4.97 | |
| Between | 50° and 51° | | 29.919 | 57.8 | 32.4 | 35.4 | 46.0 | 34.9 | 30.7 | 11.1 | 40.1 | 36.2 | 222 | 2.5 | 0.5 | 87 | 536 | 83.6 | 30.3 | 1.3 | 7 | 7 | 7 | 8 | 3.9 | 6.4 | 34 | 5.46 | |
| Between | 51° and 52° | | 29.947 | 58.0 | 14.2 | 35.8 | 44.2 | 34.1 | 37.0 | 13.1 | 38.8 | 35.4 | 197 | 2.3 | 0.4 | 88 | 558 | 71.5 | 26.5 | 1.1 | 7 | 7 | 8 | 9 | 1.7 | 6.6 | 31 | 4.79 | |
| Between | 52° and 53° | | 29.928 | 59.1 | 17.4 | 42.0 | 43.4 | 30.3 | 36.3 | 13.1 | 38.8 | 35.3 | 192 | 2.3 | 0.5 | 88 | 558 | 71.5 | 26.5 | 1.1 | 6 | 9 | 9 | 9 | 9 | 2.6 | 6.6 | 34 | 4.79 |
| Between | 53° and 54° | | 29.899 | 57.4 | 41.2 | 35.4 | 43.8 | 43.3 | 33.0 | 12.1 | 10.9 | 37.8 | 194 | 2.3 | 0.5 | 85 | 555 | 61.5 | 27.7 | 1.0 | 5 | 9 | 10 | - | 6.4 | 34 | 4.30 | | |
| Between | 54° and 55° | | 29.875 | 59.7 | 14.0 | 45.7 | 45.0 | 30.7 | 40.0 | 14.3 | 37.8 | 33.6 | 194 | 2.3 | 0.5 | 86 | 556 | 69.8 | 23.7 | 1.0 | 5 | 8 | 12 | 1.7 | 7.4 | 34 | 6.58 | | |
| Mean for the Quarter, 50° to 55° | Year 1834 | | 29.668 | 65.8 | 26.6 | 39.2 | 48.8 | 37.6 | 29.6 | 10.8 | 42.8 | 38.9 | 238 | 2.7 | 0.4 | 87 | 548 | 71.1 | 33.2 | 1.4 | 3 | 6 | 10 | 11 | 4.2 | 7.4 | 58 | 8.98 | |
| | " 1835 | | 29.636 | 57.7 | 23.2 | 34.5 | 45.8 | 34.5 | 30.0 | 11.3 | 40.3 | 33.9 | 181 | 2.5 | 0.4 | 87 | 550 | 68.3 | 32.9 | 1.4 | 3 | 7 | 9 | 8 | 4.2 | 7.0 | 47 | 6.94 | |
| | " 1836 | | 29.702 | 62.4 | 15.6 | 46.9 | 42.3 | 31.4 | 33.5 | 10.8 | 39.7 | 35.5 | 181 | 2.3 | 0.3 | 89 | 554 | 64.7 | 26.7 | 1.1 | 6 | 9 | 7 | 9 | 2.5 | 6.7 | 47 | 7.49 | |
| | " 1837 | | 29.913 | 58.1 | 17.4 | 44.0 | 54.4 | 32.1 | 35.2 | 12.4 | 38.1 | 34.2 | 168 | 2.3 | 0.5 | 87 | 557 | 71.4 | 27.7 | 1.1 | 6 | 8 | 10 | 2.6 | 6.7 | 33 | 5.51 | | |

METEOROLOGY OF ENGLAND,
DURING THE QUARTER ENDING JUNE 30, 1887.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING JUNE 30TH, 1887.

By JAMES GLAISHER, ESQ., F.R.S., &c.

The weather in April was very cold and dry. The temperature of the air was below its average on every day excepting from the 19th to the 23rd, and particularly so from the 14th to the 17th. The atmospheric pressure was below its average till the 7th, and from the 21st. The fall of rain was small. The N.E. wind was prevalent. It was an ungenial month and vegetation was very backward.

The weather in May was generally cold, sunless, and unseasonable, with an unusual prevalence of winds from the N., N.E., and N.W. The temperature with the exception of the five days between the 8th and 12th, was constantly below the average, and particularly so on the 21st and 22nd, on which day snow fell at some places and rain and hail at others, with a cold high wind. It was the sixth month in succession with the mean temperature below the average. The mean temperature of the six months ending May from 116 years observation is $42^{\circ} 4$, and from 46 years observation is $43^{\circ} 2$; the following are the instances back to 1880 of mean temperature at about or lower than that year—

In 1887 was $40^{\circ}4$. In 1875 was $40^{\circ}5$. In 1823 was $40^{\circ}6$. In 1814 was $38^{\circ}2$.
 " 1879 " $39^{\circ}4$. " 1847 " $39^{\circ}2$. " 1816 " $40^{\circ}3$. " 1800 " $40^{\circ}6$.

So that back to the beginning of this century there have been but three instances of somewhat lower temperature than in this year, viz., in 1879, 1847, and 1814. This is remarkable, but yet more so is the mean temperature of the months of March, April, and May; the mean temperature of these three months from 116 years observation is $46^{\circ}.6$ and from 46 years is $47^{\circ}.1$; back to 1800, the instances of the mean temperature of the three months ending May of about or of lower value than in this year are—

In 1887 was $43^{\circ}8$. In 1819 was $43^{\circ}3$. In 1816 was $43^{\circ}8$. In 1812 was $43^{\circ}7$.
 " 1845 " $43^{\circ}6$. " 1837 " $40^{\circ}9$ " 1814 " $43^{\circ}9$.

So that we have to go back for 42 years, for so low a temperature for these important months for vegetation, and practically there was only one instance of a decided lower temperature, viz., in the year 1837 in this century.

The atmospheric pressure in May was above its average from the 7th to the 17th, and from the 23rd to the 27th, and was mostly below on the other days.

The fall of rain was less than the average at most stations. Snow fell on several days in the Midland and Northern counties.

The weather in June was very fine and dry. The temperature till the 5th day was rather low, on the 6th there was a sudden change to warmth, and from this day to the 20th, the weather was very fine and hot, from the 21st to the end of the month, it was fine, but rather cool. The atmospheric pressure was below the normal.

There was a preponderance of N.E. wind, and almost an absolute freedom from thunderstorms.

The fall of rain was deficient at all stations, and a severe drought was experienced at many places. There were heavy falls of rain generally on the 3rd and 4th, and scarcely any afterwards till the end of the month. The drought was not felt till the middle of this month, but the weather has been dry since January. Up to the end of June the average fall of rain from the 72 years previous observations is 10·8 inches, and the fall this year is 3·1 inch, short of the average. Back to 1815, the following are the instances of a small or smaller falls of rain in the six months ending June—

| | Inches. | | Inches. | | Inches. |
|----------------|---------|----------------|---------|----------------|---------|
| In 1887 it was | 7.73. | In 1864 it was | 7.90. | In 1842 it was | 7.50. |
| " 1874 " | 6.60. | " 1855 " | 6.50. | " 1840 " | 7.60. |
| " 1870 " | 5.22. | " 1847 " | 7.50. | " 1834 " | 7.30. |

About London the mean daily temperature was below its average till the 18th day, the mean daily deficiency was 5° ; from April 19th to the 23rd there was an average daily excess $2^{\circ} \cdot 3$; from April 24th to May 7th there was a deficiency of $5^{\circ} \cdot 2$ daily; from May 8th to 12th there was an average excess of $1^{\circ} \cdot 3$ daily; on May 13th a cold period set in and continued to June 5th, the average daily deficiency for these 24 days was $4^{\circ} \cdot 9$; from June 6th to the 20th there was a warm period, the daily excess was $3^{\circ} \cdot 9$; and from the 21st to the end of the month the mean daily deficiency was $2^{\circ} \cdot 0$.

The mean temperature of the air for April was $44^{\circ}\cdot 1$, being $2^{\circ}\cdot 0$ and $3^{\circ}\cdot 0$ below the average of 116 years and 46 years respectively; it was $2^{\circ}\cdot 3$, $3^{\circ}\cdot 6$, and $1^{\circ}\cdot 0$ lower than in 1886, 1885, and 1884 respectively.

The mean temperature of the air for May was $49^{\circ} \cdot 8$, being $2^{\circ} \cdot 7$ and $2^{\circ} \cdot 7$ below the average of 116 years and 46 years respectively; it was $3^{\circ} \cdot 5$, $0^{\circ} \cdot 1$, and $4^{\circ} \cdot 5$ lower than in 1886, 1885, and 1884 respectively.

The mean temperature of the air for June was $60^{\circ} \cdot 9$, being $2^{\circ} \cdot 6$ and $2^{\circ} \cdot 1$ above the average of 116 years and 46 years respectively; it was $3^{\circ} \cdot 1$, $1^{\circ} \cdot 4$, and $2^{\circ} \cdot 9$ higher than in 1886, 1885, and 1884 respectively and higher than any June back to 1877.

On the Weather during the Quarter ending June 30th, 1887.

The mean high day temperature of the air in April was 55°·0, being 2°·5 below the average of 46 years; it was 0°·8 and 2°·7 lower than in 1886 and 1885, and 0°·7 higher than in 1884.

The mean high day temperature of the air in May was 59°, being 5°·2 below the average of 46 years; it was 5°·0, 1°·3, and 6°·7 lower than in 1886, 1885, and 1884 respectively.

The mean high day temperature of the air for June was 73°·4, being 2°·6 above the average of 46 years; it was 3°·8, 2°·5, and 4°·1 higher than in 1886, 1885, and 1884 respectively.

The mean low night temperature of the air for April was 35°·3, being 3°·8 below the average of 46 years; it was 3°·6, 3°·6, and 1°·8 lower than in 1886, 1885, and 1884 respectively.

The mean low night temperature of the air for May was 42°·3, being 1°·4 below the average of 46 years; it was 1°·3 lower than in 1886, 1° higher than in 1885, and 1°·5 lower than in 1884.

The mean low night temperature of the air for June was 49°·7, being 0°·2 below the average of 46 years; it was 1°·8, 0°·5, and 0°·6 higher than in 1886, 1885, and 1884 respectively.

Therefore the days were cold in April, and very cold in May, and were warm in June. The nights were very cold in April, and cold in May, and about their average value in June.

The mean daily range of temperature in April was 19°·8, being 1°·4 greater than the average. In May it was 16°·7, being 3°·8 smaller than the average, and in June was 23°·7, being 2°·7 greater than the average.

| 1887. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|--|--|-------|--|-------|--|-------|--|----------|---|----------|-----------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 46 years. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | | |
| | | | | | | | | | | | | | |
| Apr. - | 44·1 | -2·0 | -3·0 | 40·3 | -5·4 | 35·3 | -4·2 | 19·8 | +1·4 | in. .214 | in. .059 | grs. 2·5 | grs. -0·4 |
| May - | 49·8 | -2·7 | -2·7 | 46·6 | -2·2 | 43·5 | -1·5 | 16·7 | -3·8 | .283 | -.015 | 3·2 | -0·2 |
| June - | 69·9 | +2·6 | +2·1 | 55·8 | +1·3 | 51·3 | +0·7 | 23·7 | +2·7 | .389 | +0·10 | 4·2 | 0·0 |
| Means - | 51·6 | -0·7 | -1·2 | 47·6 | -1·4 | 43·7 | -1·7 | 20·1 | +0·1 | .292 | -.015 | 3·3 | -0·2 |

| 1887. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|----------|--|---|----------------------------------|---------------------------------|---------------|--|---|
| | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Mean. | Diff. from ave- rage of 46 years. | Amount. | Diff. from ave- rage of 46 years. | | Number of Nights it was | | | Low- est Reading at Night. | Hig- hest Reading at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| Apr. - | 75 | -5 | in. 29·818 | +·072 | grs. 543 | +5 | 1·75 | -0·01 | Miles. 343 | 15 | 15 | 0 | 19·1 | 38·5 |
| May - | 80 | +1 | in. 29·834 | +·047 | 542 | +2 | 1·72 | -0·06 | 289 | 4 | 18 | 9 | 23·3 | 47·0 |
| June - | 72 | -3 | 30·013 | +·207 | 533 | +1 | 1·23 | -0·74 | 214 | 0 | 7 | 23 | 33·2 | 51·7 |
| Means - | 76 | -4 | 29·888 | +·108 | 541 | +3 | Sum 4·70 | Sum -1·11 | Mean 292 | Sum 19 | Sum 40 | Sum 32 | Lowest 19·1 | Highest 51·7 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|-----------------------|--------|----------|-------------------------------|-------|----------|-------------------------------|-------|----------|-------------------------------|
| | 1887. | Average. | Departure from Average. | 1887. | Average. | Departure from Average. | 1887. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 2 | 2½ | -½ | 9 | 1½ | +7½ | 4 | 2½ | +1½ |
| N. | 3 | 4½ | -1½ | 6 | 4½ | +1½ | 3 | 3½ | -½ |
| N.E. | 10 | 6½ | +3½ | 9 | 7½ | +1½ | 10 | 3½ | +6½ |
| E. | 1 | 3½ | -2½ | 1 | 2½ | -1½ | 1 | 2½ | -1½ |
| S.E. | 1 | 2½ | -1½ | 1 | 1½ | -½ | 1 | 1½ | -½ |
| S. | 2 | 2½ | -½ | 0 | 2½ | -2½ | 0 | 2½ | -2½ |
| S.W. | 7 | 6½ | +½ | 3 | 8½ | -5½ | 8 | 10 | -2 |
| W. | 4 | 2½ | +1½ | 2 | 2½ | -½ | 3 | 4 | -1 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in April are opposite to N.E., W., and S.W.; in May to N.W., N.E., and N.; in June to N.E. and N.W.

The sign (-) denotes deficiencies below averages. In April these signs are opposite to E., S.E., N., S., and N.W.; in May to S.W. and S.; in June are opposite to N. and W. and compounds of S.

The mean temperature in April was 6°·5 warmer than in March; in May it was 5°·7 warmer than in April; in June it was 11°·1 warmer than in May.

(From the preceding 46 years' observations the increase of temperature from March to April is 5°·4; from April to May is 5°·4; and from May to June is 6°·3.)

From March to April at stations south of 53°, there was an increase of temperature of about 5°, and at stations north of this parallel there was an increase of 4°·5.

From April to May there was an increase of 6° at stations south of 52°; and about 5°·2 north of this parallel.

From May to June there was an increase of 9° at stations south of 51°; and about 11° at stations north of this parallel.

The mean readings of the barometer at the height of 159 ft. above the level of the sea for the month of April was 29·818 ins., being 0·072 in. above the average of 46 years, 0·075 in. higher than in 1886, 0·202 in. higher than in 1885, and 0·173 in. higher than in 1884.

The mean reading of the barometer for May was 29·834 ins., being 0·047 in. above the average of 46 years; 0·076 in. higher than in 1886, 0·206 in. higher than in 1885, and 0·010 in. higher than in 1884.

The mean reading of the barometer in June was 30·013 ins., being 0·207 in. above the average of 46 years; 0·208 in. higher than in 1886, 0·156 in. higher than in 1885, and 0·156 in. higher than in 1884.

The mean reading of the barometer in April was 0·073 in. lower than in March; in May was 0·016 in. higher than in April, and in June was 0·179 in. higher than in May.

From March to April there was a decrease of atmospheric pressure at all stations; at those south of 51°, amounting to 0·08 in.; between 51° and 52° amounting to 0·07 in.; and north of this parallel to 0·05 in.

From April to May there was an increase at all stations; at those south of 53° to 0·02 in., and north of this parallel of 0·04 in.

From May to June there was an increase of 0·14 in. at stations south of 51°; at stations between 51° and 53° there was an increase of 0·17 in. north of this parallel of 0·16 in.

About London the barometric pressure on the first seven days was below the average by 0·11 in.; from the 8th to the 20th it was above by 0·33 in.; it was generally below its average from April 21st to May 6th; the average daily deficiency being 0·17 in., and then in excess of average for the next 11 days by 0·33 in., and then below from May 18th to 22nd by 0·16 in.; from May 23rd to end of the month was above the average by 0·12 in., and below from June 1st to 4th by 0·16 in., and from June 5th to end of month there was a daily excess of 0·27 in.

Thunderstorms occurred on April 5th at Liverpool; on the 23rd at Rugby, Halifax, Hull, and Stonyhurst. In May on the 19th at Royston; on the 21st at Ventnor, Osborn, Royston, Cardington, and Wolverhampton; on the 26th at Plymouth and Oxford.

Thunder was heard but lightning was not seen on April 15th, at Rugby; on the 21st at Halifax; on the 23rd at Burslem; on the 24th at Oxford and Stonyhurst.

In May on the 3rd at Blackheath; on the 20th at Whitechurch; on the 21st at Plymouth, Oxford, Cambridge, and Somerleyton; on the 22nd at Royston.

In June on the 3rd at Cardington.

Lightning was seen but thunder was not heard on April 10th, at Plymouth. In May on the 21st at Rugby.

Solar halos were seen on April 7th at Oxford; on the 18th at Liverpool and Halifax; on the 21st at Halifax; on the 25th at Torquay; on the 26th at Oxford; on the 28th at Torquay.

In May on the 5th at Torquay; on the 8th at Liverpool and Halifax; on the 9th at Oxford; on the 11th, 12th, and 18th at Torquay; on the 23rd at Torquay, Oxford, and Halifax; on the 24th at Torquay.

In June on the 2nd at Halifax; on the 5th at Liverpool; on the 10th and 16th at Barnet; on the 17th and 20th at Torquay; on the 21st at Torquay, Oxford, and Halifax; on the 24th at Torquay; on the 27th and 28th at Halifax.

Lunar halos were seen on April 7th at Oxford; in May, on the 1st at Oxford; on the 7th at Liverpool, and on the 10th at Oxford.

Snow fell on April 1st at Royston and Cambridge; on the 5th at Torquay and in the Midland Counties; on the 6th at Halifax; on the 9th at Royston; on the 13th at Somerleyton and in the Northern Counties; on the 14th at Whitechurch, Blackheath, Oxford, and in the Midland and Northern Counties; on the 24th at Carlisle; on the 25th at Halifax and Carlisle; on the 26th at Oxford, Royston, Wolverhampton, Burslem, Hull, and Stonyhurst; on the 27th at Bath and in the Midland and Northern Counties.

In May on the 3rd at Carlisle; on the 13th and 19th at Blackheath; on the 20th at Torquay, Whitechurch, and Burslem; on the 21st at Torquay, Royston, Leicester, Burslem, and Halifax.

Hail fell on April 1st at Rugby; on the 5th at Liverpool and Stonyhurst; on the 6th at Hull and Bradford; on the 12th at Lowestoft; on the 13th at Hull; on the 14th at Cardington, Lowestoft, and Hull; on the 15th at Lowestoft; on the 16th at Cambridge, on the 23rd at Truro, Torquay, and in the Midland and Northern Counties; on the 24th at Truro, Plymouth, Torquay, Salisbury, and the Midland Counties; on the 25th at Truro, Torquay, and Burslem; on the 26th at Torquay, Salisbury, Bath, Royston, Liverpool, Stonyhurst, and Carlisle; on the 27th at Torquay, Salisbury, Whitechurch, and in the Midland and Northern Counties.

In May on the 13th at Royston; on the 19th at Oxford; on the 20th and 21st hail fell at nearly all stations; on the 22nd at Cardington, Cambridge, and Liverpool.

[Continued on page 15.]

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1887.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1887. | Months. | Pressure of Atmosphere in Month. | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | Wind. | | Mean Amount of Rain. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------|----------------------------------|------------------------------|---------|--------|-------------------|------------|----------------|-----------------------------------|------------------------------|--------------------------|------------------------|----------------------|-------|----|-------|--------------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Range. | | | Mean. | Dew Point. | Elastic Force. | Mean Weight of cubic foot of Air. | | Mean Degree of Humidity. | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Highest. | Lowest. | Range. | | | | | | | N. | | | S. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Mean. | Daily Range. | Air. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| in. | ° | ° | ° | in. | ° | in. | grs. | ° | ° | ° | ° | ° | ° | ° | ° | | | | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° |

| Year 1886. | Months. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | Dew Point. | Vapour. | | Mean Degree of Humidity, Sat' = 100. | Mean Weight of a cubic foot of Air. | Mean Reading of Thermometer. | | Estimated Strength. | Wind. | | | | Mean Amount of Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------|------------------------------------|----------------------------------|----------------------------------|--------|---------|------------------------------|--------|----------|-------------------|------------|--------------|-------------|--------------------------------------|-------------------------------------|------------------------------|------|---------------------|----------------|-------|----------------------|-------------------------|----------------------|--------------------|----|----|----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | Mean. | Range. | Height. | Lowest. | Range. | Highest. | | | All Highest. | All Lowest. | | | Daily Range. | Air. | | Elastic Force. | Mean. | Short of Saturation. | Maximum in Days of Sun. | | Minimum on Grains. | N. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | in. | ft. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. | grs. |

The mean temperature of the air for September was $54^{\circ}\cdot 0$, being $2^{\circ}\cdot 6$ and $3^{\circ}\cdot 1$ below the average of 116 years and 46 years respectively; it was $4^{\circ}\cdot 7$, $1^{\circ}\cdot 1$, and $5^{\circ}\cdot 3$ lower than in 1886, 1885, and 1884 respectively.

The mean high day temperature of the air in July was $80^{\circ}\cdot 5$, being $6^{\circ}\cdot 3$ above the average of 46 years; it was $5^{\circ}\cdot 5$, $3^{\circ}\cdot 5$, and $5^{\circ}\cdot 2$ higher than in 1886, 1885, and 1884 respectively.

The mean high day temperature of the air in August was $75^{\circ}\cdot 4$, being $2^{\circ}\cdot 5$ above the average of 46 years; it was $1^{\circ}\cdot 6$ and $5^{\circ}\cdot 6$ higher than in 1886 and 1885, and $3^{\circ}\cdot 3$ lower than in 1884 respectively.

The mean high day temperature of the air in September was $62^{\circ}\cdot 9$, being $4^{\circ}\cdot 5$ below the average of 46 years; it was $6^{\circ}\cdot 3$, $1^{\circ}\cdot 8$, and $6^{\circ}\cdot 3$ lower than in 1886, 1885, and 1884 respectively.

The mean low night temperature of the air in July was $54^{\circ}\cdot 1$, being $1^{\circ}\cdot 0$ above the average of 46 years; it was $1^{\circ}\cdot 3$, $1^{\circ}\cdot 6$, and $0^{\circ}\cdot 6$ higher than in 1886, 1885, and 1884 respectively.

The mean low night temperature of the air in August was $51^{\circ}\cdot 7$, being $1^{\circ}\cdot 4$ below the average of 46 years; it was $1^{\circ}\cdot 6$ lower than in 1886, $1^{\circ}\cdot 9$ higher than in 1885, and $1^{\circ}\cdot 9$ lower than in 1884 respectively.

| Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|----------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-------|--|--|
| Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | | |
| 1887. MONTHS. | Mean. | Diff. from average of 116 years. | Mean. | Diff. from average of 46 years. | Mean. | Diff. from average of 46 years. | Mean. | Diff. from average of 46 years. | Mean. | Diff. from average of 46 years. | Mean. | Diff. from average of 46 years. | |
| July | 66.5 | +4.8 | 59.4 | +1.7 | 53.7 | -0.2 | 26.4 | +5.4 | .413 | -.005 | 4.6 | -0.2 | |
| Aug. | 62.5 | +1.6 | 50.2 | -1.2 | 50.8 | -3.1 | 23.8 | +4.0 | .371 | -.648 | 4.1 | -0.7 | |
| Sept. | 54.0 | -2.6 | 50.9 | -3.1 | 47.9 | -3.3 | 16.0 | -2.2 | .334 | -.046 | 3.8 | -0.6 | |
| Means | 61.0 | +0.9 | 55.5 | -0.9 | 50.8 | -2.2 | 22.1 | +2.4 | .373 | -.033 | 4.2 | -0.5 | |

| 1887. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|--------|--------------------------|---------------------------|
| | Mean. | Diff. from average of 46 years. | Mean. | Diff. from average of 46 years. | Mean. | Diff. from average of 46 years. | Amount. | Diff. from average of 72 years. | | Number of Nights it was | | | Lowest Reading at Night. | Highest Reading at Night. |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | | | |
| | | | | | | | | | | | | | | |
| July | 64 | -11 | 29.866 | +0.009 | 525 | -3 | 1.29 | -1.22 | Miles. 248 | 0 | 3 | 28 | 37.3 | 58.5 |
| Aug. | 65 | -10 | 29.807 | +0.023 | 528 | -1 | 2.34 | -0.01 | 210 | 0 | 8 | 23 | 33.4 | 55.9 |
| Sept. | 80 | -1 | 29.759 | -.039 | 536 | +3 | 2.22 | -0.21 | 283 | 3 | 15 | 12 | 27.0 | 51.7 |
| Means | 70 | -7 | 29.811 | +0.018 | 530 | 0 | Sum 5.85 | Sum -1.44 | Mean 247 | Sum 3 | Sum 26 | Sum 63 | Lowest 27.0 | Highest 58.5 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|--------------------|-------|----------|-------------------------|---------|----------|-------------------------|------------|----------|-------------------------|
| | 1887. | Average. | Departure from Average. | 1887. | Average. | Departure from Average. | 1887. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 3 | +1 | 8 | 3 | +5 | 3 | 4 | -1 |
| N. | 1 | 4 | -3 | 1 | 3 | -2 | 2 | 6 | -4 |
| N.E. | 8 | 3½ | +4½ | 6 | 3 | +3 | 8 | 2 | +6 |
| E. | 1 | 2 | -1 | 0 | 1½ | -1½ | 0 | 2 | -2 |
| S.E. | 1 | 1½ | -½ | 2 | 1½ | +½ | 0 | 3 | -3 |
| S. | 2 | 3 | -1 | 2 | 3 | -1 | 3 | 8 | -5 |
| S.W. | 12 | 10 | +2 | 8 | 12 | -4 | 12 | 3 | +9 |
| W. | 2 | 4 | -2 | 4 | 4 | 0 | 2 | 2 | 0 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in July are opposite to N.E., S.W., and N.W.; in August to N.W., N.E., and S.E.; in September to S.W. and N.E.

The sign (-) denotes deficiencies below averages. In July these signs are opposite to N., W., E., S., and S.E.; in August to S.W., N., E., and S.; in September to S., N., and compounds of S.

The mean low night temperature of the air in September was $46^{\circ}\cdot 9$, being $2^{\circ}\cdot 2$ below the average of 46 years; it was $3^{\circ}\cdot 4$, $0^{\circ}\cdot 3$, and $4^{\circ}\cdot 4$ lower than in 1886, 1885, and 1884 respectively.

Therefore the days were warm in July and August, and cold in September. The nights were warm in July and cold in August and September.

The mean daily range of temperature in July was $26^{\circ}\cdot 4$, being $5^{\circ}\cdot 4$ greater than the average. In August it was $23^{\circ}\cdot 8$, being $4^{\circ}\cdot 0$ greater than the average, and in September it was $16^{\circ}\cdot 0$, being $2^{\circ}\cdot 2$ smaller than the average.

The mean temperature in July was $5^{\circ}\cdot 6$ warmer than in June; in August it was $4^{\circ}\cdot 0$ colder than in July; and in September it was $8^{\circ}\cdot 5$ colder than in August.

(From the preceding 46 years' observations the increase of temperature from June to July is $3^{\circ}\cdot 4$; the decrease from July to August is $0^{\circ}\cdot 8$; and the decrease from August to September is $4^{\circ}\cdot 3$.)

From June to July at stations south of 53° there was an increase of temperature of $4^{\circ}\cdot 4$, and at stations north of this parallel there was an increase of $2^{\circ}\cdot 6$.

From July to August there was a decrease of $1^{\circ}\cdot 7$ at stations south of 51° , and about $3^{\circ}\cdot 3$ at stations north of this parallel.

From August to September there was a decrease of $6^{\circ}\cdot 1$ at stations south of 51° ; at stations between 51° and 53° there was a decrease of $7^{\circ}\cdot 5$; and a decrease about $5^{\circ}\cdot 7$ at stations north of this parallel.

The mean readings of the barometer at the height of 159 ft. above the level of the sea for the month of July was 29.866 ins., being $0^{\circ}\cdot 069$ in. above the average of 46 years, $0^{\circ}\cdot 119$ in. higher than in 1886, $0^{\circ}\cdot 130$ in. lower than in 1885, and $0^{\circ}\cdot 086$ in. higher than in 1884 respectively.

The mean reading of the barometer in August was 29.807 ins., being $0^{\circ}\cdot 023$ in. above the average of 46 years; $0^{\circ}\cdot 009$ in. lower than in 1886, $0^{\circ}\cdot 011$ in. higher than in 1885, and $0^{\circ}\cdot 028$ in. lower than in 1884, respectively.

The mean reading of the barometer in September was 29.759 ins., being $0^{\circ}\cdot 039$ in. below the average of 46 years; $0^{\circ}\cdot 097$ in. lower than in 1886, $0^{\circ}\cdot 046$ in. higher than in 1885, and $0^{\circ}\cdot 076$ in. lower than in 1884, respectively.

The mean reading of the barometer in July was $0^{\circ}\cdot 147$ in. lower than in June; in August was $0^{\circ}\cdot 059$ in. lower than in July, and in September was $0^{\circ}\cdot 048$ in. lower than in August.

From June to July there was a decrease of atmospheric pressure at all stations; at those south of 51° , amounting to $0^{\circ}\cdot 13$ in.; between 51° and 53° amounting to $0^{\circ}\cdot 15$ in.; and those north of this parallel amounting to $0^{\circ}\cdot 21$ in.

From July to August there was a decrease at all stations; at those south of 51° to $0^{\circ}\cdot 07$ in., between 51° and 52° to $0^{\circ}\cdot 08$ in.; between 52° and 53° to $0^{\circ}\cdot 05$ in., and those north of this parallel to $0^{\circ}\cdot 03$ in.

From August to September there was a decrease at all stations at those south of 52° to $0^{\circ}\cdot 04$ in.; between 52° and 53° to $0^{\circ}\cdot 06$ in.; and those north of this parallel to $0^{\circ}\cdot 09$ in.

About London the barometric pressure was generally above its average till August 15th; the average daily excess for these 46 days was $0^{\circ}\cdot 11$ in.; from August 16th to September 15th the mean daily deficiency was $0^{\circ}\cdot 30$ in.; from September 16th to 26th the average daily excess was $0^{\circ}\cdot 31$ in.; then from September 26th to end of quarter the average daily deficiency was $0^{\circ}\cdot 35$ in.

Thunderstorms occurred in July on 13th at Halifax, Hull, and Bradford; on the 14th at Bath, Whitechurch, and Somerleyton; on the 15th at Oxford and Hull; on the 16th at Cambridge and Halifax; on the 17th at Torquay, Osborne, and Liverpool; and on the 31st at Royston, Cardington, Lowestoft, Halifax, and Stonyhurst.

In August on the 16th at Plymouth, Bath, and Wolverhampton; on the 17th general over the country; on the 18th at Liverpool and Carlisle; on the 19th at Guernsey and Llandudno; on the 27th at Liverpool and Carlisle; on the 28th at Truro, Barnet, Lowestoft, and in the Northern counties; on the 29th at Lowestoft, Somerleyton, Halifax, and Hull; and on the 31st at Oxford and Hull.

In September on the 3rd at Burslem and Stonyhurst; on the 6th at Liverpool and Halifax; on the 7th at Osborne, and on the 27th at Oxford, Royston, Cardington, Cambridge, Lowestoft, and Somerleyton.

Thunder was heard but lightning was not seen in July on the 7th at Bath; on the 8th at Osborne and Wolverhampton; on the 9th at Barnet; on the 13th at Royston, Wolverhampton, and Hull; on the 14th at Royston, Cambridge, and Rugby; on the 15th at Whitechurch, Blackheath, and Rugby; on the 16th at Royston; on the 17th at Torquay, Bath, Wolverhampton, Leicester, and Llandudno; on the 20th at Wolverhampton; on the 26th at Barnet; and on the 31st at Royston, Cambridge, Leicester, Llandudno, and Carlisle.

In August on the 13th at Ventnor; on the 17th at Plymouth, Torquay, Salisbury, Cardington, Leicester, and Halifax; on the 18th at Cardington, Cambridge, Leicester, and Hull; on the 19th at Somerleyton; on the 27th at Llandudno; on the 28th at Ventnor, Royston, Cambridge, Somerleyton, Burslem, and Liverpool; on the 29th at Torquay, Rugby, Leicester, and Bradford; on the 30th at Halifax; and on the 31st at Salisbury.

In September on the 3rd at Rugby; on the 6th at Bath, Royston and Rugby; on the 27th and 28th at Rugby; and on the 29th at Carlisle.

Lightning was seen but thunder was not heard in July on the 8th at Bath; on the 9th at Barnet; on the 15th at Whitechurch and Royston; on the 16th at Cambridge; on the 18th at Salisbury; and on the 31st at Torquay, Osborne, Blackheath, Oxford, and Cambridge.

[Continued on page 23.]

The Observations have been reduced to Mean values by Glisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1887. | Months. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | Mean Tem- perature. | | Mean Weight of Air. Sat' = 100. | Mean Degree of Humi- dity, Sat' = 100. | Mean cubic foot of Air. = 425. | Maximum in Rays of Sun. | Minimum on Grains. | Estimated Strength. | Wind. | | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | | | |
|--|---------|----------------------------------|--------|----------|------------------------------|--------|-----------------|------------------------|------------------------|-------|---------------------------------------|---|-----------------------------------|----------------------------|-----------------------|------------------------|-------------------------|----------------|-----|-----|--------------------------|----------------------------|-------|-----|-----|----|------|------|---|
| | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | | Of all Lowest. | Mean. | | | | | | | Short of Saturation. | Elastic Force. | N. | E. | | | | S. | W. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUERNSEY, A. F. COLLETT, Esq., F. R. Met. Soc. | July | 29.800 | 0.683 | 80.6 | 50.7 | 28.9 | 60.8 | 55.2 | 14.6 | 60.9 | 55.1 | 4.85 | 4.40 | 1.1 | 86 | 589 | 129.4 | 48.0 | 1.3 | 8 | 6 | 1 | 10 | 3.6 | 8.3 | 12 | 0.95 | 0.35 | |
| | Aug. | 29.724 | 0.697 | 82.1 | 51.4 | 29.1 | 61.3 | 56.2 | 15.1 | 61.3 | 56.2 | 4.89 | 4.43 | 1.1 | 86 | 589 | 129.4 | 48.0 | 1.3 | 8 | 6 | 1 | 10 | 3.6 | 8.3 | 12 | 0.95 | 0.35 | |
| | Sept. | 29.719 | 1.134 | 87.1 | 46.2 | 27.1 | 61.8 | 54.3 | 10.5 | 56.0 | 50.4 | 3.93 | 4.2 | 0.8 | 83 | 533 | 111.2 | 42.9 | 1.3 | 7 | 6 | 7 | 10 | 3.6 | 6.0 | 17 | 2.65 | 0.17 | |
| | Oct. | 29.719 | 1.134 | 87.1 | 46.2 | 27.1 | 61.8 | 54.3 | 10.5 | 56.0 | 50.4 | 3.93 | 4.2 | 0.8 | 83 | 533 | 111.2 | 42.9 | 1.3 | 7 | 6 | 7 | 10 | 3.6 | 6.0 | 17 | 2.65 | 0.17 | |
| THRUO (Cornwall), N. W. Met. Soc. | July | 29.879 | 0.795 | 80.0 | 42.0 | 33.0 | 73.8 | 54.3 | 19.5 | 62.5 | 54.2 | 4.80 | 4.6 | 1.2 | 74 | 523 | 122.1 | 48.0 | 1.3 | 8 | 6 | 1 | 10 | 3.6 | 8.3 | 12 | 0.95 | 0.35 | |
| | Aug. | 29.884 | 0.777 | 81.0 | 40.0 | 31.0 | 73.0 | 49.8 | 22.0 | 62.0 | 52.0 | 4.86 | 4.4 | 1.2 | 73 | 531 | 122.1 | 48.0 | 1.3 | 8 | 6 | 1 | 10 | 3.6 | 8.3 | 12 | 0.95 | 0.35 | |
| | Sept. | 29.789 | 1.137 | 87.0 | 37.0 | 29.0 | 63.0 | 48.0 | 13.0 | 54.0 | 47.0 | 3.38 | 3.7 | 1.1 | 88 | 536 | 122.1 | 48.0 | 1.3 | 7 | 6 | 1 | 10 | 3.6 | 8.3 | 12 | 0.95 | 0.35 | |
| | Oct. | 29.789 | 1.137 | 87.0 | 37.0 | 29.0 | 63.0 | 48.0 | 13.0 | 54.0 | 47.0 | 3.38 | 3.7 | 1.1 | 88 | 536 | 122.1 | 48.0 | 1.3 | 7 | 6 | 1 | 10 | 3.6 | 8.3 | 12 | 0.95 | 0.35 | |
| PLYMOUTH (Devon), J. M. Met. Soc. | July | 29.963 | 0.772 | 81.0 | 31.1 | 20.0 | 76.0 | 58.0 | 18.0 | 65.0 | 57.0 | 4.63 | 5.1 | 2.0 | 71 | 538 | 131.0 | 48.0 | 1.4 | 6 | 7 | 10 | 8 | — | — | — | — | — | |
| | Aug. | 29.897 | 0.775 | 81.0 | 31.1 | 20.0 | 76.0 | 58.0 | 18.0 | 65.0 | 57.0 | 4.63 | 5.1 | 2.0 | 71 | 538 | 131.0 | 48.0 | 1.4 | 6 | 7 | 10 | 8 | — | — | — | — | — | |
| | Sept. | 29.870 | 1.187 | 87.0 | 36.0 | 28.0 | 62.0 | 53.0 | 11.0 | 53.0 | 50.0 | 3.83 | 4.0 | 0.9 | 82 | 536 | 128.6 | — | — | — | — | — | — | — | — | — | — | | |
| | Oct. | 29.870 | 1.187 | 87.0 | 36.0 | 28.0 | 62.0 | 53.0 | 11.0 | 53.0 | 50.0 | 3.83 | 4.0 | 0.9 | 82 | 536 | 128.6 | — | — | — | — | — | — | — | — | — | — | | |
| TORQUAY Babbacombe (Devon), E. F. Met. Soc. | July | 29.754 | 0.815 | 84.1 | 31.1 | 33.0 | 79.8 | 56.4 | 16.4 | 63.3 | 55.4 | 4.89 | 4.9 | 1.6 | 76 | 532 | 129.3 | 48.8 | 1.2 | 8 | 6 | 7 | 10 | 3.6 | 4.7 | 12 | 1.57 | 0.37 | |
| | Aug. | 29.680 | 0.824 | 83.9 | 44.6 | 38.0 | 72.0 | 53.1 | 17.1 | 60.7 | 51.9 | 3.88 | 4.3 | 1.6 | 72 | 537 | 132.3 | 43.4 | 1.0 | 9 | 7 | 6 | 9 | 4 | 5 | 10 | 1.50 | 0.30 | |
| | Sept. | 29.632 | 1.138 | 86.7 | 31.3 | 31.3 | 61.5 | 49.0 | 12.5 | 54.6 | 47.8 | 3.31 | 3.7 | 1.1 | 77 | 533 | 112.9 | 42.1 | 1.5 | 7 | 6 | 6 | 11 | 4.2 | 5.8 | 17 | 2.53 | 0.17 | |
| | Oct. | 29.632 | 1.138 | 86.7 | 31.3 | 31.3 | 61.5 | 49.0 | 12.5 | 54.6 | 47.8 | 3.31 | 3.7 | 1.1 | 77 | 533 | 112.9 | 42.1 | 1.5 | 7 | 6 | 6 | 11 | 4.2 | 5.8 | 17 | 2.53 | 0.17 | |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY SAGAR, Esq. | July | 29.937 | 0.701 | 86.1 | 46.1 | 38.0 | 71.7 | 55.9 | 15.8 | 62.3 | 55.5 | 4.60 | 4.9 | 1.4 | 78 | 530 | — | — | — | 0.9 | 6 | 8 | 7 | 11 | — | — | — | — | |
| | Aug. | 29.879 | 0.824 | 86.1 | 46.1 | 38.0 | 71.7 | 55.9 | 15.8 | 62.3 | 55.5 | 4.60 | 4.9 | 1.4 | 78 | 530 | — | — | — | 0.9 | 6 | 8 | 7 | 11 | — | — | — | — | |
| | Sept. | 29.821 | 1.194 | 86.1 | 41.6 | 24.5 | 63.5 | 51.0 | 12.3 | 56.0 | 49.0 | 3.89 | 3.9 | 1.1 | 77 | 535 | — | — | — | 0.6 | 7 | 5 | 8 | 10 | — | — | — | — | |
| | Oct. | 29.821 | 1.194 | 86.1 | 41.6 | 24.5 | 63.5 | 51.0 | 12.3 | 56.0 | 49.0 | 3.89 | 3.9 | 1.1 | 77 | 535 | — | — | — | 0.6 | 7 | 5 | 8 | 10 | — | — | — | — | |
| EASTBOURNE, Miss W. L. HALL. | July | 29.904 | 0.784 | 80.0 | 46.4 | 33.6 | 68.2 | 54.7 | 13.5 | 60.3 | 53.6 | 4.11 | 4.6 | 1.3 | 73 | 531 | — | — | — | 0.9 | 6 | 8 | 7 | 11 | — | — | — | — | |
| | Aug. | 29.824 | 0.792 | 80.0 | 46.4 | 33.6 | 68.2 | 54.7 | 13.5 | 60.3 | 53.6 | 4.11 | 4.6 | 1.3 | 73 | 531 | — | — | — | 0.9 | 6 | 8 | 7 | 11 | — | — | — | — | |
| | Sept. | 29.821 | 1.194 | 86.1 | 41.6 | 24.5 | 63.5 | 51.0 | 12.3 | 56.0 | 49.0 | 3.89 | 3.9 | 1.1 | 77 | 535 | — | — | — | 0.6 | 7 | 5 | 8 | 10 | — | — | — | — | |
| | Oct. | 29.821 | 1.194 | 86.1 | 41.6 | 24.5 | 63.5 | 51.0 | 12.3 | 56.0 | 49.0 | 3.89 | 3.9 | 1.1 | 77 | 535 | — | — | — | 0.6 | 7 | 5 | 8 | 10 | — | — | — | — | |
| OSBOURNE (Isle of Wight), J. R. MANN, Esq. | July | 29.884 | 0.678 | 87.3 | 47.7 | 39.6 | 78.7 | 54.8 | 23.7 | 64.6 | 56.9 | 4.65 | 5.1 | 1.6 | 76 | 537 | 128.8 | 51.8 | 0.1 | 6 | 5 | 11 | 9 | — | — | — | — | — | |
| | Aug. | 29.810 | 0.834 | 89.7 | 45.8 | 43.9 | 76.7 | 53.5 | 25.2 | 63.0 | 56.5 | 4.41 | 4.8 | 1.6 | 75 | 558 | 128.8 | 46.8 | 0.2 | 8 | 5 | 11 | 9 | — | — | — | — | — | |
| | Sept. | 29.769 | 1.228 | 91.6 | 39.5 | 32.3 | 63.5 | 48.9 | 14.6 | 54.8 | 39.3 | 3.99 | 4.3 | 0.5 | 90 | 535 | 109.2 | 46.4 | 0.3 | 8 | 6 | 7 | 9 | — | — | — | — | — | |
| | Oct. | 29.769 | 1.228 | 91.6 | 39.5 | 32.3 | 63.5 | 48.9 | 14.6 | 54.8 | 39.3 | 3.99 | 4.3 | 0.5 | 90 | 535 | 109.2 | 46.4 | 0.3 | 8 | 6 | 7 | 9 | — | — | — | — | — | |
| SOUTHBORNE, (near) Bourne- mouth (Hants), T. A. HUTTON, Esq., M.D., B.A., F. R. Met. Soc. | Jan. | 29.994 | 1.812 | 90.1 | 29.1 | 29.8 | 42.9 | 33.5 | 9.4 | 38.4 | 33.1 | 3.94 | 2.4 | 0.4 | 89 | 535 | — | — | 1.2 | 12 | 4 | 6 | 9 | — | — | — | — | — | |
| | Feb. | 29.912 | 0.928 | 83.4 | 29.3 | 30.1 | 44.5 | 33.9 | 10.6 | 39.2 | 33.3 | 3.97 | 2.4 | 0.4 | 86 | 581 | — | — | 1.6 | 9 | 7 | 6 | 9 | — | — | — | — | — | |
| | Mar. | 29.968 | 0.944 | 85.0 | 31.1 | 37.4 | 46.1 | 33.7 | 14.4 | 38.3 | 34.7 | 3.91 | 2.4 | 0.4 | 87 | 538 | — | — | 1.9 | 10 | 5 | 7 | 9 | — | — | — | — | — | |
| | April | 29.901 | 0.928 | 83.4 | 29.3 | 30.1 | 44.5 | 33.9 | 10.6 | 39.2 | 33.3 | 3.97 | 2.4 | 0.4 | 86 | 581 | — | — | 1.6 | 9 | 7 | 6 | 9 | — | — | — | — | — | |
| SOUTHBORNE, (near) Bourne- mouth (Hants), T. A. HUTTON, Esq., M.D., B.A., F. R. Met. Soc. | May | 29.921 | 0.928 | 83.4 | 29.3 | 30.1 | 44.5 | 33.9 | 10.6 | 39.2 | 33.3 | 3.97 | 2.4 | 0.4 | 86 | 581 | — | — | 1.9 | 10 | 5 | 7 | 9 | — | — | — | — | — | |
| | June | 29.901 | 0.928 | 83.4 | 29.3 | 30.1 | 44.5 | 33.9 | 10.6 | 39.2 | 33.3 | 3.97 | 2.4 | 0.4 | 86 | 581 | — | — | 1.9 | 10 | 5 | 7 | 9 | — | — | — | — | — | |
| | July | 29.964 | 0.952 | 82.3 | 34.1 | 34.1 | 67.7 | 49.6 | 18.1 | 57.5 | 48.8 | 4.46 | 4.4 | 1.7 | 73 | 533 | — | — | 1.3 | 8 | 6 | 9 | 10 | — | — | — | — | — | |
| | Aug. | 29.886 | 0.856 | 82.3 | 34.1 | 34.1 | 67.7 | 49.6 | 18.1 | 57.5 | 48.8 | 4.46 | 4.4 | 1.7 | 73 | 533 | — | — | 1.3 | 8 | 6 | 9 | 10 | — | — | — | — | — | |
| SALISBURY (Wilton House), Wilt., THOMAS CHALLIS, Esq. | Jan. | 29.833 | 1.193 | 88.7 | 35.7 | 33.6 | 63.6 | 47.2 | 14.9 | 54.7 | 47.7 | 3.29 | 3.7 | 1.1 | 77 | 539 | — | — | 1.4 | 7 | 6 | 7 | 10 | — | — | — | — | — | |
| | Feb. | 29.833 | 1.193 | 88.7 | 35.7 | 33.6 | 63.6 | 47.2 | 14.9 | 54.7 | 47.7 | 3.29 | 3.7 | 1.1 | 77 | 539 | — | — | 1.4 | 7 | 6 | 7 | 10 | — | — | — | — | — | |
| | July | 29.853 | 0.778 | 90.0 | 40.0 | 50.0 | 70.8 | 49.5 | 31.1 | 63.3 | 57.3 | 4.70 | 5.2 | 1.3 | 84 | 537 | 134.8 | — | — | 1.2 | 10 | 5 | 7 | 9 | — | — | — | — | — |
| | Aug. | 29.778 | 0.864 | 90.0 | 39.0 | 24.0 | 77.8 | 45.8 | 32.0 | 60.7 | 49.4 | 3.59 | 3.9 | 2.0 | 87 | 529 | 124.4 | — | — | 1.2 | 10 | 6 | 5 | 7 | — | — | — | — | — |
| SALISBURY (Wilton House), Wilt., THOMAS CHALLIS, Esq. | Sept. | 29.734 | 1.262 | 89.0 | 37.0 | 42.0 | 64.4 | 43.1 | 21.3 | 53.2 | 47.8 | 3.33 | 3.8 | 0.8 | 82 | 536 | 103.5 | — | — | 1.1 | 11 | 5 | 7 | — | — | — | — | — | |
| | Oct. | 29.734 | 1.262 | 89.0 | 37.0 | 42.0 | 64.4 | 43.1 | 21.3 | 53.2 | 47.8 | 3.33 | 3.8 | 0.8 | 82 | 536 | 103.5 | — | — | 1.1 | 11 | 5 | 7 | — | — | — | — | — | |
| | Nov. | 29.734 | 1.262 | 89.0 | 37.0 | 42.0 | 64.4 | 43.1 | 21.3 | 53.2 | 47.8 | 3.33 | 3.8 | 0.8 | 82 | 536 | 103.5 | — | — | 1.1 | 11 | 5 | 7 | — | — | — | — | — | |
| | Dec. | 29.734 | 1.262 | 89.0 | 37.0 | 42.0 | 64.4 | 43.1 | 21.3 | 53.2 | 47.8 | 3.33 | 3.8 | 0.8 | 82 | 536 | 103.5 | — | — | 1.1 | 11 | 5 | 7 | — | — | — | — | — | |

| Year 1886. | Month. | Height above Sea Level. | Pressure of Air in Month. | | Temperature of Air in Month. | | | | Mean Tem- perature. | Vapour. | | | | Wind. | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. Number of Days | Amount col- lected. |
|---|--------|----------------------------|---------------------------|--------|------------------------------|----------------|------|------------|------------------------|----------------|----------------------------|---------------------------|-----|------------------------|----|-----------------------------|-----------------------------|-------------------------|---------------------------|
| | | | Mean. | Range. | Mean | | Air. | Dew Point. | | Elastic Force. | | Relative Proportion of | | Estimated Strength. | | | | | |
| | | | | | Of All Highest. | Of All Lowest. | | | | Daily Range. | In a Cubic foot of Air. | Short of Saturation. | % | | % | | | | |
| { 43 | July | 29.010 | 0.580 | 82.0 | 62.0 | 31.0 | 75.5 | 69.6 | 14.7 | 66.3 | 56.0 | .449 | 5.0 | 2.1 | 70 | 527 | 2.7 | 11 | 1.56 |
| | Aug. | 29.015 | 0.580 | 86.0 | 47.5 | 38.5 | 74.5 | 67.8 | 16.5 | 64.1 | 52.2 | .391 | 4.4 | 2.2 | 65 | 538 | 2.0 | 9 | 1.81 |
| | Sept. | 29.006 | 1.240 | 69.0 | 39.0 | 30.0 | 62.6 | 50.8 | 11.8 | 53.8 | 50.4 | .367 | 4.1 | 0.9 | 91 | 478 | 3.1 | 18 | 4.78 |
| { 506 | July | 29.437 | 0.570 | 82.8 | 43.2 | 39.6 | 73.1 | 62.9 | 19.2 | 61.8 | 58.1 | .485 | 5.2 | 0.8 | 88 | 591 | 4.5 | 11 | 1.68 |
| | Aug. | 29.257 | 0.769 | 83.0 | 41.0 | 42.0 | 69.4 | 59.9 | 16.5 | 60.1 | 49.9 | .388 | 4.8 | 0.8 | 92 | 522 | 4.9 | 9 | 2.08 |
| | Sept. | 29.250 | 1.255 | 65.0 | 38.0 | 32.0 | 67.4 | 48.5 | 15.5 | 51.9 | 48.1 | .388 | 3.8 | 0.6 | 87 | 559 | 5.8 | 19 | 4.13 |
| { 150 | July | 29.928 | 0.730 | 89.2 | 42.5 | 40.7 | 78.8 | 68.1 | 27.8 | 61.6 | 52.5 | .390 | 4.4 | 2.3 | 65 | 528 | 4.2 | 9 | 1.94 |
| | Aug. | 29.862 | 0.932 | 87.2 | 38.5 | 48.9 | 73.8 | 60.1 | 25.8 | 60.1 | 49.2 | .351 | 4.0 | 1.9 | 68 | 531 | 2.4 | 8 | 1.91 |
| | Sept. | 29.794 | 1.184 | 69.0 | 33.8 | 33.2 | 65.8 | 45.0 | 17.3 | 53.5 | 46.5 | .316 | 3.5 | 1.1 | 77 | 537 | 14 | 2.27 | |
| { 109 | July | 29.566 | 0.710 | 89.2 | 41.8 | 47.4 | 80.5 | 54.1 | 16.4 | 66.5 | 53.7 | .413 | 4.6 | 2.6 | 64 | 525 | 4.0 | 10 | 1.90 |
| | Aug. | 29.720 | 0.911 | 88.5 | 41.0 | 48.5 | 73.5 | 61.7 | 23.8 | 62.5 | 51.5 | .374 | 4.0 | 2.6 | 61 | 532 | 5.7 | 9 | 2.52 |
| | Sept. | 29.720 | 1.701 | 70.7 | 33.6 | 37.1 | 67.9 | 46.9 | 16.0 | 54.0 | 47.9 | .364 | 3.6 | 0.7 | 80 | 536 | 7.7 | 16 | 2.21 |
| { 150 | July | 29.523 | 0.680 | 89.0 | 44.5 | 37.8 | 75.9 | 64.9 | 23.9 | 61.9 | 53.5 | .460 | 5.0 | 1.9 | 73 | 535 | 3.1 | 9 | 1.90 |
| | Aug. | 29.660 | 0.980 | 86.2 | 43.0 | 44.2 | 72.9 | 62.0 | 20.1 | 63.2 | 51.1 | .362 | 4.6 | 1.4 | 76 | 529 | 5.1 | 8 | 3.00 |
| | Sept. | 29.762 | 1.215 | 69.0 | 33.0 | 36.0 | 67.4 | 48.8 | 15.6 | 53.3 | 48.7 | .343 | 3.9 | 0.7 | 84 | 527 | 6.3 | 14 | 2.56 |
| { 123 | July | 29.924 | 0.726 | 88.8 | 45.6 | 43.2 | 78.9 | 55.6 | 23.3 | 65.6 | 53.8 | .414 | 4.5 | 2.4 | 67 | 536 | 3.9 | 9 | 1.97 |
| | Aug. | 29.861 | 0.911 | 88.5 | 42.5 | 46.0 | 74.4 | 52.6 | 21.9 | 62.1 | 46.5 | .367 | 4.2 | 2.5 | 67 | 530 | 5.0 | 8 | 3.05 |
| | Sept. | 29.810 | 1.218 | 68.5 | 34.5 | 35.2 | 68.8 | 47.8 | 14.9 | 54.4 | 46.7 | .315 | 3.6 | 1.2 | 74 | 537 | 6.1 | 19 | 1.81 |
| { 212 | July | 29.743 | 0.680 | 88.5 | 38.0 | 50.5 | 78.5 | 59.8 | 27.7 | 63.9 | 51.3 | .377 | 4.2 | 2.4 | 63 | 537 | 3.4 | 11 | 1.95 |
| | Aug. | 29.757 | 0.768 | 88.5 | 38.0 | 50.5 | 78.5 | 59.8 | 27.7 | 63.9 | 51.3 | .377 | 4.2 | 2.4 | 63 | 537 | 3.4 | 11 | 1.95 |
| | Sept. | 29.757 | 1.220 | 69.8 | 28.9 | 40.9 | 64.5 | 44.4 | 18.1 | 52.8 | 47.6 | .330 | 3.7 | 0.7 | 82 | 537 | 6.2 | 15 | 2.31 |
| { 212 | July | 29.815 | 0.760 | 85.3 | 43.7 | 41.6 | 75.3 | 59.4 | 24.9 | 65.1 | 53.5 | .409 | 4.5 | 2.3 | 66 | 538 | 3.7 | 10 | 1.94 |
| | Aug. | 29.747 | 0.949 | 84.1 | 40.1 | 44.0 | 72.1 | 59.7 | 21.4 | 61.4 | 49.4 | .352 | 3.9 | 2.2 | 65 | 538 | 4.5 | 9 | 1.90 |
| | Sept. | 29.714 | 1.207 | 66.6 | 33.6 | 33.0 | 61.7 | 46.8 | 14.8 | 53.9 | 47.2 | .334 | 3.7 | 1.0 | 78 | 538 | 7.2 | 14 | 2.41 |
| { 201 | July | 29.780 | 0.712 | 89.4 | 49.0 | 47.4 | 79.5 | 63.0 | 26.5 | 64.3 | 54.1 | .419 | 4.6 | 2.0 | 70 | 535 | 4.0 | 9 | 1.94 |
| | Aug. | 29.728 | 0.962 | 87.1 | 46.0 | 46.3 | 74.4 | 59.8 | 23.6 | 60.7 | 50.0 | .361 | 4.0 | 1.5 | 67 | 538 | 6.1 | 9 | 1.94 |
| | Sept. | 29.688 | 1.268 | 70.0 | 32.3 | 37.7 | 63.4 | 46.1 | 16.3 | 52.7 | 46.4 | .317 | 3.6 | 0.9 | 79 | 536 | 6.4 | 19 | 2.48 |
| { 105 | July | 29.652 | 0.734 | 91.0 | 41.4 | 49.6 | 80.9 | 63.7 | 28.2 | 63.6 | 52.2 | .380 | 4.3 | 2.6 | 62 | 537 | 3.2 | 8 | 0.40 |
| | Aug. | 29.881 | 0.958 | 90.8 | 40.0 | 50.0 | 76.0 | 64.3 | 18.5 | 48.9 | 34.6 | .359 | 3.9 | 2.2 | 65 | 531 | 3.8 | 9 | 1.90 |
| | Sept. | 29.827 | 1.360 | 69.6 | 39.0 | 39.6 | 63.5 | 43.8 | 17.5 | 53.6 | 47.3 | .325 | 3.6 | 1.0 | 78 | 538 | 6.8 | 14 | 1.96 |
| { 40 | July | 29.954 | 0.760 | 91.0 | 41.5 | 49.5 | 81.0 | 65.6 | 27.4 | 63.8 | 53.2 | .453 | 5.0 | 1.9 | 72 | 537 | 3.3 | 9 | 0.72 |
| | Aug. | 29.898 | 0.900 | 40.0 | 40.0 | 40.0 | 72.8 | 60.2 | 21.3 | 61.3 | 53.2 | .391 | 4.3 | 1.7 | 72 | 531 | 4.0 | 7 | 0.72 |
| | Sept. | 29.821 | 1.280 | 70.4 | 39.0 | 40.4 | 63.9 | 45.0 | 17.9 | 53.9 | 51.3 | .378 | 4.3 | 0.4 | 91 | 557 | 6.4 | 29 | 1.75 |
| { 280 | July | 29.668 | 0.722 | 88.0 | 37.2 | 31.0 | 78.3 | 61.9 | 35.9 | 63.3 | 47.3 | .470 | 5.2 | 1.3 | 80 | 528 | 4.3 | 7 | 0.51 |
| | Aug. | 29.698 | 1.080 | 88.0 | 37.2 | 50.8 | 75.0 | 45.3 | 26.7 | 59.9 | 53.7 | .443 | 4.6 | 1.2 | 81 | 531 | 5.0 | 7 | 1.00 |
| | Sept. | 29.671 | 1.258 | 69.0 | 39.0 | 39.0 | 63.3 | 44.0 | 19.3 | 52.5 | 48.7 | .345 | 3.9 | 0.6 | 87 | 536 | 5.6 | 15 | 1.71 |
| NAMES OF STATIONS AND OBSERVERS. | | | | | | | | | | | | | | | | | | | |
| BAKINSTAPLE (Devon), WILLIAM KNILL, Esq. | | | | | | | | | | | | | | | | | | | |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. ALMOND, O.S.B. | | | | | | | | | | | | | | | | | | | |
| WHITCHURCH RECTORY (Oxon), (near Reading), Rev. J. SLATTERY, M.A., F.R. Met. Soc. | | | | | | | | | | | | | | | | | | | |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | | | | | | | | | | | | | | | | | | | |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | | | | | | | | | | | | | | | | | | | |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F.R. Met. Soc. | | | | | | | | | | | | | | | | | | | |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | | | | | | | | | | | | | | | | | | | |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | | | | | | | | | | | | | | | | | | | |
| ROYSTON (Hertfordshire), HALE WORTHAM, Esq., F.R.A.S., F.R. Met. Soc. | | | | | | | | | | | | | | | | | | | |
| BEDFORD, Capellion, Mr. J. McLEARN, Assistant to S. S. WHITEHEAD, Esq., M.P. | | | | | | | | | | | | | | | | | | | |
| CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | | | | | | | | | | | | | | | | | | | |
| RUGBY (Warwickshire), Stockton, The Rectory, Rev. W. TUCKWELL. | | | | | | | | | | | | | | | | | | | |

[illegible][illegible]

[Continued from page 19.]

In August on the 16th at Torquay and Oxford; on the 17th at Royston and Cambridge; on the 18th at Oxford; on the 19th at Cambridge and Lowestoft; and on the 27th at Llandudno.

In September on the 6th at Torquay; on the 12th at Lowestoft and Wolverhampton; on the 22nd at Cambridge; on the 28th at Guernsey; and on the 29th at Guernsey and Torquay.

Solar hildes were seen in July on the 8th at Oxford and Halifax; on the 9th at Torquay and Oxford; on the 17th and 22nd at Torquay; on the 23rd at Torquay, Liverpool, and Halifax; on the 24th at Torquay and Liverpool; on the 26th at Torquay; and on the 30th at Oxford.

In August on the 1st at Torquay ; on the 4th at Torquay and Liverpool ; on the 5th at Torquay ; on the 6th and 8th at Halifax ; on the 15th at Torquay, Oxford, Liverpool, and Halifax ; on the 16th and 19th at Liverpool ; on the 22nd at Halifax ; on the 23rd at Liverpool and Halifax ; on the 24th at Liverpool ; on the 27th at Torquay, Liverpool, and Halifax ; and on the 30th at Torquay.

In September on the 1st at Torquay; on the 3rd at Halifax; on the 10th at Torquay; on the 15th and 19th at Oxford; on the 26th at Stonyhurst; and on the 28th at Torquay.

Lunar halos were seen in August on the 1st at Halifax; on the 3rd at Oxford; on the 4th at Oxford and Liverpool; on the 5th at Torquay; and on the 27th at Cambridge.

In September on the 1st and 9th at Torquay; on the 25th at Osborne; and on the 28th at Oxford.

Hail fell in July on the 14th at Bath; on the 25th at Whitechurch; in August on the 17th at Oxford; on the 18th at Halifax; on the 19th at Cambridge; on the 20th at Whitechurch; on the 30th at Leicester; and on the 31st at Bath and Hull.

In September on the 3rd at Halifax; on the 27th at Torquay, Royston, Cambridge, Lowestoft, Liverpool, and Carlisle; and on the 28th and 29th at Torquay.

Fog prevailed in July on the 10th and 11th at Ventnor; and on the 22nd and 31st at Cambridge.

In August on the 21st at Hull; on the 24th at Cambridge; on the 25th at Guernsey, Plymouth, and Cambridge; and on the 26th and 29th at Plymouth.

Guernsey, Plymouth, and Cambridge; and on the 26th and 29th at Plymouth.
In September on the 1st, 8th, 15th, and 16th at Plymouth; on the 17th at Plymouth, Bath, and Wolverhampton; on the 20th at Guernsey, Bath, Oxford, Rugby, and Stonyhurst; on the 22nd at Liverpool; on the 28th at Cardington; on the 29th at Cardington, Cambridge, Wolverhampton, and Liverpool; and on the 30th at Bath and Cambridge.

| NAMES OF STATIONS. | | | | | | | | | | | | | | | | | | | | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------------------------|------------------------------------|--------------------------------------|-----------------------|-----------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|----------------------------------|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | | | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | Relative Proportion of | | | | Number of Days on which it fell. | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

The highest temperatures of the air were at the Royal Observatory, 92° 2'; and at Cardington and Cambridge, 91° 0'.
 The lowest temperatures of the air were at Salisbury, 27° 0'; at Barnet, 23° 9'; and at Nottingham, 23° 9'.
 The greatest ranges of temperature were at Salisbury, 63° 0'; and at Cardington and Cambridge, 61° 0'.
 The least ranges of temperature were at Liverpool, 40° 3'; at Guernsey, 41° 0'; and at Lowestoft, 43° 5'.
 The greatest number of days of rain were at Carlisle, 48; at Nottingham, 47; and Liverpool, 46.
 The least number of days of rain were at Oxford 26; and at Truro, Osborne, and Southbourne, 27.
 The greatest falls of rain were at Carlisle, 10.62 inches; at Stonyhurst, 10.33 inches; and at Bath, 8.19 inches.
 The least falls of rain were at Rugby, 3.22 inches; at Cardington, 3.65 inches; and at Cambridge, 3.71 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Readings of the Thermometer. | Mean of all Lowest Readings of the Thermometer. | Mean Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. | | |
|-----------------------------------|---|--|---|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|-------|-------|------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| (Guernsey | in. | 29.650 | 82.1 | 40.2 | 41.9 | 66.9 | 53.8 | 30.2 | 13.1 | 59.3 | 53.4 | 4.1 | 4.6 | 1.0 | 82 | 530 | 120.3 | 45.5 | 1.1 | 8 | 6 | 6 | 10 | 2.8 | 4.3 | 57 | in. |
| Between 50° and 51° | 29.680 | 83.7 | 37.2 | 46.5 | 69.2 | 52.6 | 34.6 | 16.6 | 59.7 | 52.1 | 3.91 | 4.4 | 1.4 | 76 | 532 | 123.3 | 47.9 | 1.1 | 8 | 6 | 8 | 9 | 2.8 | 4.6 | 32 | 6.75 | |
| Between 51° and 52° | 29.611 | 83.1 | 32.9 | 55.2 | 71.1 | 50.9 | 42.1 | 21.0 | 58.8 | 50.8 | 3.74 | 4.1 | 1.6 | 73 | 530 | 122.0 | 43.7 | 1.1 | 8 | 6 | 8 | 9 | 2.7 | 4.7 | 34 | 5.87 | |
| Between 52° and 53° | 29.601 | 86.8 | 32.3 | 54.5 | 69.7 | 49.7 | 31.0 | 20.0 | 58.5 | 50.1 | 3.64 | 4.1 | 1.4 | 74 | 531 | 119.0 | 44.2 | 1.0 | 7 | 5 | 8 | 9 | 2.0 | 5.2 | 38 | 4.90 | |
| Between 53° and 54° | 29.608 | 83.7 | 36.9 | 46.9 | 66.1 | 51.0 | 38.2 | 15.1 | 57.5 | 48.3 | 3.40 | 3.8 | 1.5 | 72 | 531 | 100.9 | 45.4 | 0.8 | 7 | 5 | 8 | 10 | 1 | 5.8 | 41 | 6.20 | |
| Between 54° and 55° | 29.553 | 84.3 | 30.7 | 53.6 | 67.5 | 47.8 | 44.0 | 19.7 | 56.6 | 50.3 | 3.68 | 4.1 | 1.6 | 80 | 531 | 117.9 | 43.2 | 0.8 | 7 | 6 | 8 | 10 | 1.6 | 6.8 | 45 | 10.48 | |
| Mean for the Quarter, 50° to 55° | Year 1884 | 29.554 | 86.1 | 29.1 | 47.0 | 70.0 | 52.4 | 39.6 | 17.6 | 60.1 | 53.4 | 4.11 | 4.2 | 1.0 | 79 | 526 | 113.4 | 47.5 | 1.0 | 4 | 7 | 8 | 14 | 4.1 | 5.7 | 43 | 7.23 |
| | " 1885 | 29.635 | 84.7 | 31.5 | 53.2 | 66.6 | 48.9 | 40.0 | 17.7 | 56.6 | 49.5 | 3.56 | 4.0 | 1.3 | 78 | 533 | 109.3 | 44.2 | 1.1 | 6 | 7 | 7 | 11 | 3.0 | 6.0 | 37 | 7.82 |
| | " 1886 | 29.560 | 82.8 | 33.9 | 43.8 | 67.8 | 51.7 | 37.7 | 16.2 | 58.7 | 53.4 | 3.94 | 4.4 | 1.2 | 79 | 530 | 111.9 | 46.4 | 1.2 | 5 | 4 | 8 | 13 | 2.9 | 6.3 | 39 | 8.02 |
| | " 1887 | 29.591 | 85.3 | 34.0 | 51.3 | 68.7 | 50.3 | 37.0 | 13.5 | 58.2 | 50.3 | 3.67 | 4.1 | 1.5 | 75 | 531 | 116.6 | 44.9 | 1.0 | 7 | 6 | 8 | 10 | 2.3 | 5.4 | 38 | 6.70 |

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING DECEMBER 31, 1887.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING DECEMBER 31ST, 1887.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in October was generally fine but very cold. The temperature of the air was below its average on nearly every day, particularly so from the 11th to the 18th, and from the 22nd to the 26th. The month was colder than any October back to the year 1817, when it was of the same temperature. The minimum temperature of the month at Greenwich, 25° 3, was lower than any previous reading at Greenwich; at many of the stations the temperature was still lower, at Truro it was 23°, at Salisbury 16°, at Whitechurch 22°, Blackheath 24°, at Barnet 20°, at Cardington 23°, at Cambridge 25° 2, at Rugby 20° 7, at Wolverhampton 22° 7, at Leicester 23° 6, at Nottingham 22° 3, at Stonyhurst 23° 2, and at Carlisle 21° 5. These low readings in October are of very rare occurrence. The atmospheric pressure was above its average till the 8th, and from the 15th to the 27th, and was below on the remaining 10 days. The fall of rain was less than the average at all the stations, the soil was in consequence very dry, and streams were generally low, the wind was chiefly from the N.W., and a gale was blowing at the end of the month.

The month of November was dry and

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31st, 1887.
The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1887. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | |
|---|------------------------------------|------------|--------|----------------------------------|---------|------------------------------|---------|-----------------|----------------|------------------------------|------|------------|----------------|-------------------------|-----------------------|--------------------------|
| | | Month. | Mean. | Range. | | Mean. | | Mean. | | Mean. | | Direction. | Strength. | Relative Proportion of. | Mean Amount of Cloud. | Number of Days it fell. |
| | | | | Highest. | Lowest. | Highest. | Lowest. | Of all Highest. | Of all Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humidity. |
| | | | | | | | | | | | | | | | | |
| GUERNSEY. | 275 | Oct. | 29.831 | 1.438 | 29.9 | 34.4 | 25.5 | 33.8 | 44.9 | 8.9 | 40.0 | 39.4 | 2.8 | 2.8 | 2.8 | 2.8 |
| ADAMUS COLLETT, Esq., F.R.Met.Soc. | | Nov. | 29.336 | 1.241 | 33.8 | 32.8 | 27.0 | 32.8 | 41.1 | 7.7 | 44.7 | 39.2 | 2.7 | 2.7 | 2.7 | 2.7 |
| TRURO (Cornwall). | 43 | Oct. | 29.086 | 1.093 | 37.0 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| N. WHITLEY, Esq., F.R.Met.Soc. | | Nov. | 29.564 | 1.430 | 35.0 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| PLYMOUTH (Devon). | 69 | Oct. | 29.083 | 1.138 | 31.8 | 29.2 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| J. HERRFIELD, Esq., LL.D., F.R.A.S., F.R.Met.Soc. | | Nov. | 29.650 | 1.565 | 34.5 | 31.8 | 22.7 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| TORQUAY, Babacombe (Devon). | 303 | Oct. | 29.608 | 1.310 | 30.0 | 27.3 | 23.3 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| EDWIN E. GLYDE, Esq., F.R.Met.Soc. | | Nov. | 29.560 | 1.237 | 34.2 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption). | 80 | Oct. | 29.968 | 1.124 | 32.1 | 30.6 | 23.3 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| HARTLEY SAGAR, Esq. | | Nov. | 29.589 | 1.433 | 35.2 | 32.3 | 23.3 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| EASTBOURNE. | 12 | Oct. | 29.57 | 1.438 | 35.2 | 32.3 | 23.3 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| MISS W. L. HALL. | | Nov. | 29.57 | 1.438 | 35.2 | 32.3 | 23.3 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| OSBORNE (Isle of Wight). | 172 | Oct. | 29.333 | 1.144 | 34.1 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| J. R. MANN, Esq. | | Nov. | 29.517 | 1.502 | 34.9 | 32.1 | 27.8 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| SALISBURY (Wilton House), Wills, Thomas Challis, Esq. | 158 | Oct. | 29.905 | 1.244 | 34.0 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| BAENSTAPLE (Devon). | 43 | Oct. | 29.095 | 1.130 | 31.0 | 27.0 | 24.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| WILLIAM KNILL, Esq. | | Nov. | 29.672 | 1.400 | 37.0 | 34.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. ALMOND, O.S.B. | 286 | Oct. | 29.460 | 1.197 | 35.4 | 32.8 | 27.6 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1887. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | |
|--|------------------------------------|------------|--------|----------------------------------|---------|------------------------------|---------|-----------------|----------------|------------------------------|------|------------|----------------|-------------------------|-----------------------|--------------------------|
| | | Month. | Mean. | Range. | | Mean. | | Mean. | | Mean. | | Direction. | Strength. | Relative Proportion of. | Mean Amount of Cloud. | Number of Days it fell. |
| | | | | Highest. | Lowest. | Highest. | Lowest. | Of all Highest. | Of all Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humidity. |
| | | | | | | | | | | | | | | | | |
| WHITCHURCH RECTORY (Oxon), (Great Reading), Rev. J. SLATER, M.A., F.R.Met.Soc. | 150 | Oct. | 29.907 | 1.400 | 35.6 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 129 | Oct. | 29.580 | 1.568 | 35.4 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 120 | Oct. | 29.911 | 1.318 | 31.0 | 27.0 | 24.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S. | 123 | Oct. | 29.564 | 1.276 | 35.0 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| BARNET (Gas Works), T. H. L. MARTIN, Esq., C.E. | 213 | Oct. | 29.564 | 1.276 | 35.0 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 212 | Oct. | 29.466 | 1.013 | 33.4 | 31.5 | 24.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| ROYSTON (Hertfordshire), HALE WORTHAM, Esq., F.R.A.S., F.R.Met.Soc. | 201 | Oct. | 29.512 | 1.218 | 32.3 | 29.3 | 24.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| BEDFORD, Cardington, Mr. J. McLAREN, Assistant to S. WHITHEAD, Esq., M.P. | 105 | Oct. | 29.600 | 1.540 | 35.3 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | 40 | Oct. | 29.633 | 1.558 | 35.8 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| RUGBY (Warwickshire), Stockton, The Rectory, Rev. W. TUCKWELL. | 289 | Oct. | 29.769 | 1.220 | 32.0 | 29.3 | 24.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| LOWESTOFT (Suffolk), H. MILLER, Esq., F.R.A.S., F.R.Met.Soc. | 69 | Oct. | 29.532 | 1.470 | 33.2 | 30.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.R.Met.Soc. | 20 | Oct. | 29.591 | 1.472 | 35.3 | 32.0 | 25.0 | 32.0 | 41.0 | 8.0 | 41.0 | 38.7 | 2.7 | 2.7 | 2.7 | 2.7 |

[illegible]

| Year 1887. | Month. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | | Mean Tem- perature. | Vapour. | | | Mean Degree of Humi- dity. Saturated. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | | Minimum on Grass. | Estimated Strength | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. | Rain. | | | |
|---------------|--------|----------------------------------|--------|------------------------------|---------|--------|-----------------|----------------|------------------------|------------|----------------|----------------------------|--|--|----------------------------|-------------------------|----------------------|-----------------------|-------|-----|-----|--------------------------|--------------------------|----------------------------|------------------------|-------|--|--|--|
| | | Mean. | Range. | Highest. | Lowest. | Range. | Mean | | | Dew Point. | Elastic Force. | In a cubic foot of Air. | | | | | | | | | | | | | | | | | |
| | | | | | | | Of all Highest. | Of all Lowest. | | | | Daily Range. | | | Mean. | Short of Saturation. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct. | 29/091 | 1'402 | 62° 5' | 41° 0' | 53° 7' | 55° 8' | 13° 9' | 44° 2' | in. | 257 | 2·9 | 0·4 | 87 | 550 | 89·7 | 30·2 | 0·7 | 8 | 5 | 10 | 1·5 | 7·2 | 18 | 2·36 | 15 | | | | |
| Nov. | 29/089 | 1'676 | 55° 8' | 21° 5' | 34° 3' | 46° 1' | 13° 9' | 39° 0' | 289 | 2·9 | 0·2 | 94 | 549 | 89·9 | 27·2 | 0·7 | 6 | 8 | 9 | 2·0 | 7·7 | 15 | 0·94 | 15 | | | | | |
| Dec. | 29/091 | 1'274 | 59° 8' | 16° 4' | 41° 8' | 59° 9' | 11° 9' | 56° 8' | 190 | 2·3 | 0·3 | 92 | 553 | 49·7 | 23·2 | 0·9 | 6 | 7 | 8 | 1·9 | 8·3 | 15 | 2·66 | 15 | | | | | |

CARLISLE, Spital (Cumberland).
IMAC CARMEL, Esq., F.R. Met. Soc.

Second Rain-gauges are placed—
At The Gore, Eastbourne*, at the height of 1 foot above the ground ;

[Continued from page 27.]

Hail fell in October on the 9th at Carlisle; on the 10th at Truro, Plymouth, and Bradford; on the 11th at Truro, Torquay, Whitechurch, Wolverhampton, and Liverpool; on the 14th at Royston, Cardington, Cambridge, Halifax, and Hull; on the 15th at Royston; on the 24th at Whitechurch and Lowestoft; on the 29th at Guernsey and Stonyhurst; on the 30th at Bath, Whitechurch, Lowestoft, Liverpool, Halifax, and Carlisle; and on the 31st at uerney and Liverpool.

In November on the 1st at Guernsey, Torquay, and Carlisle; on the 2nd at Truro; on the 3rd at Truro, Torquay, Eastbourne, Bath, and Rugby; on the 4th at Truro and Llandudno; on the 15th at Guernsey, Lowestoft, Somerleyton, and Hull; on the 17th at Torquay; on the 18th at Salisbury and Royston; on the 19th at Plymouth, Bath, and Barnet; on the 22nd at Guernsey; on the 27th at Llandudno; and on the 29th at Guernsey.

In December on the 6th at Plymouth, Torquay, Eastbourne, Whitechurch, Oxford, Liverpool, Halifax, Stonyhurst, and Bradford; on the 7th at Plymouth, Blackheath, Liverpool, and Stonyhurst; on the 8th at Truro; on the 9th at Llandudno; on the 10th at Liverpool; on the 11th at Carlisle; on the 12th at Salisbury; on the 14th at Plymouth, Torquay, Osborne, Blackheath, and Royston; on the 16th at Truro, Bradford, and Carlisle; on the 17th at Guernsey, Truro, Plymouth, Bath, Liverpool, Halifax, Stonyhurst, Bradford, and Carlisle; on the 18th at Truro, Whitechurch, Llandudno, Liverpool, Stonyhurst, Bradford, and Carlisle; on the 19th at Guernsey, Liverpool, and Carlisle; on the 20th at Truro, Rugby, and Hull; on the 21st at Lowestoft and Carlisle; on the 22nd at Carlisle; on the 24th at Lowestoft; on the 25th and 26th at Carlisle; and on the 27th at Osborne.

Fog prevailed in October on the 3rd, 4th, 5th, 6th, and 7th at Bath; on the 8th at Liverpool; on the 9th at Bath and Cambridge; on the 13th at Bath; on the 16th

at Bath and Oxford; on the 17th at Burslem; on the 22nd at Bath, Blackheath, Oxford, and Leicester; and on the 23rd at Eastbourne and Whitechurh.

In November on the 5th at Leicester; on the 7th at Rugby and Liverpool; on the 9th at Rugby; on the 10th at Bath and Cambridge; on the 11th at Bath, Royston, Cambridge, and Liverpool; on the 12th at Liverpool; on the 13th at Salisbury; on the 16th at Whitechurch, Blackheath, Barnet, Oxford, Cambridge, Rugby, Somerleyton, and Wolverhampton; on the 17th at Blackheath, Barnet, and Cambridge; on the 18th at Osborne, Salisbury, Cambridge, Somerleyton, and Bradford; on the 19th at Osborne, Lowestoft, Liverpool, Hull, and Bradford; on the 20th at Osborne, Salisbury, Bath, Whitechurch, Oxford, Royston, Cambridge, Rugby, Lowestoft, Somerleyton, and Liverpool; on the 21st at Eastbourne, and in the Midland Counties; on the 22nd at Salisbury, Bath, Whitechurch, Cambridge, Rugby, Wolverhampton, and Liverpool; on the 24th at Salisbury and Wolverhampton; on the 25th at Plymouth; and on the 29th at Wolverhampton, Hull, and Bradford.

In December on the 4th at Leicester; on the 5th at Rugby and Burslem; on the 8th at Cardington; on the 11th at Cardington, Cambridge, Llandudno, Liverpool, Hull, and Stonyhurst; on the 12th at Torquay, Bath, Cardington, Lowestoft, and Hull; on the 15th at Burslem; on the 17th at Leicester; on the 19th at Rugby; on the 20th at Rugby and Somersleyton; on the 21st at Bath; on the 22nd at Bath and in the Midland Counties; on the 23rd at Plymouth, Bath, Somersleyton, and Liverpool; on the 24th at Plymouth; on the 29th and 30th at Bath; and on the 31st at Bath, Whitchurch, Blackheath, Cambridge, and Somersleyton.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|-------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | Number of Days on which it fell. | Amount collected. |
| Guernsey | 29.678 | 59.9 | 26.3 | 33.6 | 49.7 | 41.4 | 25.0 | 8.3 | 45.5 | 39.1 | 239 | 2.8 | 0.7 | 79 | 543 | 81.3 | 33.5 | 1.3 | 9 | 6 | 7 | 8 | 3.6 | 7.0 | 66 | 14.12 |
| Truro | 29.570 | 67.0 | 19.0 | 48.0 | 52.0 | 38.0 | 35.3 | 14.0 | 44.9 | 39.0 | 238 | 2.8 | 0.7 | 79 | 547 | — | — | 2.2 | 9 | 5 | 8 | 8 | — | 6.7 | 52 | 12.89 |
| Plymouth | 29.691 | 61.0 | 24.4 | 36.6 | 49.3 | 39.3 | 27.4 | 10.0 | 44.0 | 39.8 | 247 | 2.9 | 0.5 | 85 | 549 | 86.6 | — | 1.3 | 7 | 6 | 7 | 9 | 3.2 | 6.6 | 49 | 10.39 |
| Torquay | 29.671 | 60.0 | 24.6 | 35.4 | 49.2 | 38.9 | 28.5 | 10.3 | 43.8 | 38.8 | 238 | 2.7 | 0.6 | 83 | 544 | 83.7 | 31.2 | 1.4 | 9 | 6 | 7 | 9 | 0.6 | 6.0 | 49 | 9.43 |
| Eastbourne | — | 59.9 | 24.5 | 35.4 | 49.0 | 39.0 | 29.3 | 10.0 | 43.8 | 38.8 | 238 | 2.7 | 0.6 | 83 | 544 | 83.7 | 31.2 | 1.4 | 9 | 6 | 7 | 9 | 0.6 | 6.0 | 49 | 9.43 |
| Osborne | 29.681 | 64.1 | 25.4 | 33.7 | 48.1 | 37.1 | 30.2 | 11.0 | 42.6 | 39.2 | 241 | 2.8 | 0.4 | 89 | 547 | 70.8 | 34.3 | 0.5 | 8 | 6 | 8 | 9 | — | 6.4 | 41 | 7.07 |
| Salisbury | 29.673 | 64.0 | 16.0 | 48.0 | 49.0 | 31.5 | 40.3 | 17.4 | 40.3 | 37.0 | 221 | 2.5 | 0.4 | 89 | 550 | 71.4 | — | 1.1 | 11 | 6 | 8 | 8 | — | 6.6 | 50 | 8.13 |
| Barnstaple | 29.688 | 61.0 | 27.0 | 34.0 | 52.4 | 44.7 | 22.0 | 7.7 | 48.2 | 41.8 | 235 | 2.5 | 0.9 | 79 | 546 | — | — | 1.2 | 8 | 7 | 7 | 9 | — | 4.6 | 45 | 11.69 |
| Bath | 29.691 | 63.4 | 20.9 | 35.5 | 45.8 | 35.6 | 29.0 | 9.9 | 40.4 | 38.1 | 231 | 2.6 | 0.3 | 91 | 541 | 76.8 | 22.4 | 1.0 | 8 | 6 | 8 | 8 | — | 6.5 | 52 | 10.38 |
| Whitechurch | 29.693 | 64.1 | 21.7 | 42.4 | 46.7 | 35.9 | 34.2 | 10.8 | 41.3 | 37.1 | 232 | 2.6 | 0.4 | 83 | 551 | — | — | 0.8 | 8 | 6 | 7 | 9 | — | 6.4 | 41 | 6.22 |
| Royal Observatory | 29.693 | 64.1 | 21.7 | 42.4 | 46.7 | 35.9 | 34.2 | 10.8 | 41.3 | 37.1 | 232 | 2.6 | 0.4 | 83 | 550 | 65.0 | 30.1 | — | — | — | — | — | 1.1 | 6.9 | 47 | 6.28 |
| Blackheath | 29.692 | 61.0 | 21.2 | 39.8 | 45.1 | 34.5 | 31.5 | 10.6 | 40.1 | 35.4 | 208 | 2.4 | 0.5 | 83 | 551 | 60.6 | — | 0.4 | 9 | 6 | 8 | 8 | — | 7.3 | 45 | 6.54 |
| Camden Square | 29.671 | 63.6 | 22.1 | 41.5 | 47.2 | 36.1 | 33.7 | 11.1 | 41.4 | 36.8 | 219 | 2.5 | 0.5 | 84 | 551 | 64.1 | 32.2 | — | — | — | — | — | — | 6.8 | 40 | 6.02 |
| Barnet | 29.698 | 62.5 | 17.7 | 44.8 | 47.0 | 33.7 | 41.9 | 13.8 | 40.4 | 36.3 | 215 | 2.5 | 0.5 | 86 | 550 | 66.4 | 30.1 | 0.6 | 11 | 4 | 6 | 9 | — | 6.5 | 38 | 5.61 |
| Oxford | 29.671 | 60.3 | 18.5 | 41.8 | 47.2 | 35.8 | 33.2 | 11.4 | 40.9 | 36.8 | 219 | 2.5 | 0.5 | 86 | 549 | 76.3 | 30.7 | 2.4 | 9 | 5 | 7 | 9 | 0.4 | 6.6 | 38 | 5.42 |
| Royston | 29.693 | 59.7 | 21.0 | 38.7 | 45.9 | 34.7 | 31.1 | 11.2 | 40.0 | 36.1 | 213 | 2.4 | 0.4 | 87 | 549 | — | — | — | 9 | 6 | 8 | 8 | — | 6.4 | 47 | 6.06 |
| Cardington | 29.696 | 62.0 | 18.6 | 43.4 | 47.1 | 34.3 | 38.2 | 13.0 | 40.4 | 35.8 | 223 | 2.5 | 0.5 | 88 | 552 | 53.9 | 30.4 | 1.0 | 9 | 6 | 7 | 9 | — | 6.5 | 34 | 4.60 |
| Cambridge | 29.619 | 61.0 | 19.7 | 41.3 | 47.0 | 35.1 | 35.1 | 11.9 | 40.8 | 37.9 | 229 | 2.6 | 0.4 | 90 | 552 | 72.2 | 30.8 | 1.2 | 8 | 6 | 7 | 9 | — | 6.5 | 51 | 4.21 |
| Rugby | 29.681 | 60.0 | 14.0 | 48.0 | 49.1 | 34.8 | 37.4 | 11.4 | 40.1 | 37.8 | 229 | 2.6 | 0.3 | 90 | 549 | — | — | 0.3 | 8 | 5 | 9 | 9 | — | 7.0 | 55 | 6.77 |
| Lower toft | 29.612 | 64.0 | 21.2 | 42.8 | 46.8 | 36.6 | 30.3 | 10.2 | 41.3 | 38.2 | 233 | 2.6 | 0.4 | 90 | 550 | 73.9 | 33.4 | 1.8 | 9 | 6 | 7 | 9 | — | 7.1 | 60 | 5.67 |
| Somerleyton | 29.692 | 59.5 | 20.0 | 38.5 | 45.9 | 35.3 | 31.8 | 11.4 | 40.7 | 37.5 | 223 | 2.6 | 0.4 | 88 | 553 | — | — | 1.0 | 7 | 7 | 7 | 9 | — | 5.8 | 44 | 5.67 |
| Wolverhampton | 29.618 | 55.8 | 20.0 | 38.5 | 45.9 | 35.3 | 31.8 | 11.4 | 40.7 | 37.5 | 223 | 2.6 | 0.4 | 88 | 553 | — | — | 1.0 | 7 | 7 | 7 | 9 | — | 5.8 | 44 | 5.67 |
| Leicester | 29.649 | 60.0 | 22.5 | 37.5 | 46.4 | 35.6 | 33.5 | 10.8 | 40.8 | 35.5 | 209 | 2.5 | 0.6 | 82 | 548 | 64.9 | — | 0.6 | 8 | 6 | 8 | 9 | — | 6.4 | 52 | 5.04 |
| Nottingham | 29.544 | 58.4 | 17.0 | 41.4 | 46.5 | 34.1 | 34.9 | 12.4 | 40.2 | 35.4 | 203 | 2.4 | 0.5 | 83 | 549 | 68.4 | 29.5 | 0.4 | 7 | 6 | 8 | 10 | 1.1 | 6.7 | 57 | 4.09 |
| Burslem | 29.651 | 56.7 | 23.5 | 33.2 | 43.2 | 34.5 | 27.6 | 9.7 | 33.3 | 34.8 | 204 | 2.4 | 0.5 | 85 | 543 | — | 29.5 | 1.0 | 8 | 6 | 7 | 10 | — | 6.8 | 54 | 6.48 |
| Llandudno | 29.610 | 59.1 | 25.4 | 32.7 | 47.9 | 39.4 | 26.4 | 8.5 | 43.9 | 38.7 | 212 | 2.6 | 0.3 | 78 | 547 | — | — | 1.0 | 7 | 6 | 7 | 10 | — | 6.5 | 49 | 7.75 |
| Liverpool | 29.638 | 59.7 | 27.3 | 31.4 | 43.7 | 38.2 | 25.6 | 8.4 | 41.9 | 37.9 | 213 | 2.5 | 0.7 | 80 | 548 | — | — | — | 7 | 7 | 7 | 8 | — | 6.6 | 53 | 5.26 |
| Halifax | 29.693 | 60.0 | 20.0 | 40.0 | 44.2 | 34.4 | 31.6 | 9.8 | 33.9 | 34.6 | 201 | 2.3 | 0.5 | 85 | 545 | 63.7 | 29.9 | 0.8 | 8 | 6 | 7 | 10 | — | 6.9 | 50 | 8.46 |
| Hull | 29.632 | 59.0 | 24.0 | 35.0 | 45.8 | 34.2 | 29.3 | 11.6 | 40.4 | 36.2 | 214 | 2.5 | 0.4 | 85 | 553 | 63.8 | 32.0 | 1.3 | 7 | 6 | 8 | 9 | — | 5.7 | 55 | 6.24 |
| Bradford | 29.635 | 57.3 | 24.8 | 32.5 | 45.9 | 37.3 | 26.7 | 8.6 | 41.2 | 35.2 | 205 | 2.4 | 0.6 | 79 | 545 | 58.8 | — | 0.3 | 9 | 5 | 8 | 9 | — | 7.7 | 53 | 6.08 |
| Leeds | 29.630 | 59.0 | 25.0 | 32.0 | 46.3 | 37.6 | 25.7 | 8.7 | 41.5 | 36.1 | 213 | 2.4 | 0.6 | 82 | 549 | — | — | 1.2 | 8 | 6 | 7 | 9 | — | 6.8 | 56 | 5.40 |
| Stonhurst | 29.647 | 59.1 | 19.8 | 39.3 | 45.9 | 32.9 | 32.1 | 13.0 | 39.4 | 34.7 | 203 | 2.5 | 0.5 | 84 | 547 | 77.5 | 29.9 | — | 8 | 5 | 7 | 11 | — | 7.5 | 47 | 7.71 |
| Carlisle | 29.588 | 62.5 | 16.4 | 46.1 | 46.9 | 33.6 | 39.6 | 13.3 | 40.3 | 37.7 | 228 | 2.6 | 0.3 | 91 | 550 | 63.4 | 26.9 | 0.8 | 7 | 6 | 8 | 10 | 1.8 | 7.7 | 43 | 7.96 |

The highest temperatures of the air were at Truro, 67° 0'; and at Osborne, and the Royal Observatory 64° 1'.

The lowest temperatures of the air were at Rugby, 14° 0'; at Salisbury, 16° 0'; and at Carlisle, 16° 4'.

The greatest ranges of temperature were at Truro and Salisbury, 48° 0'; and at Carlisle, 46° 1'.

The least ranges of temperature were at Liverpool, 31° 4'; at Leeds, 32° 0'; and at Bradford, 32° 5'.

The greatest number of days of rain were at Guernsey, 66; at Somerleyton, 60; and at Nottingham, 57.

The least number of days of rain were at Cardington 34; at Rugby 37; and at Barnet and Oxford, 38.

The greatest falls of rain were at Guernsey, 14.12 inches; at Truro, 12.89 inches; and at Plymouth, 12.84 inches.

The least falls of rain were at Nottingham, 4.09 inches; at Cambridge, 4.21 inches; and at Cardington 4.60 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Readings of the Thermometer. | Mean of all Lowest Readings of the Thermometer. | Mean Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|----------------------------------|-------------|---|--|---|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|-----|-----------------------|-----------------------|------------------------------|------------------------|
| | | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Mean Number of Days it fell. | Mean Amount collected. |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | in. | |
| Guernsey | - - - | 29.678 | 59.9 | 26.3 | 33.6 | 49.7 | 41.4 | 25.0 | 8.3 | 45.5 | 39.1 | 239 | 2.8 | 0.7 | 79 | 543 | 81.3 | 33.5 | 1.3 | 9 | 6 | 7 | 8 | 3.6 | 7.0 | 66 | 14.12 |
| Between the latitudes | 50° and 51° | 29.648 | 62.4 | 23.6 | 38.8 | 49.3 | 38.3 | 29.9 | 11.1 | 44.5 | 39.1 | 240 | 2.8 | 0.5 | 84 | 547 | 78.8 | 33.1 | 1.1 | 9 | 6 | 7 | 8 | 3.6 | 7.0 | 66 | 14.12 |
| | 51° and 52° | 29.674 | 61.5 | 20.6 | 40.9 | 47.4 | 35.8 | 33.5 | 11.6 | 41.5 | 37.4 | 225 | 2.6 | 0.5 | 86 | 549 | 68.7 | 33.5 | 1.1 | 9 | 6 | 7 | 9 | 0.8 | 6.6 | 44 | 7.42 |
| | 52° and 53° | 29.646 | 59.6 | 19.8 | 39.8 | 46.1 | 34.7 | 32.9 | 11.5 | 40.3 | 36.1 | 217 | 2.5 | 0.5 | 87 | 549 | 68.7 | 31.9 | 0.9 | 8 | 6 | 7 | 9 | 1.1 | 6.6 | 40 | 5.55 |
| | 53° and 54° | 29.640 | 58.7 | 24.8 | 33.9 | 46.1 | 36.8 | 24.9 | 9.3 | 41.3 | 35.8 | 212 | 2.5 | 0.6 | 82 | 548 | 62.1 | 31.0 | 0.9 | 8 | 6 | 7 | 9 | — | 6.8 | 53 | 6.55 |
| | 54° and 55° | 29.617 | 60.8 | 18.1 | 42.7 | 46.4 | 33.3 | 35.8 | 13.1 | 39.8 | 36.2 | 215 | 2.5 | 0.4 | 89 | 549 | 70.4 | 28.4 | 0.8 | 7 | 6 | 7 | 11 | 1.8 | 7.6 | 45 | 7.88 |
| Mean for the Quarter, 50° to 55° | | 29.737 | 63.1 | 23.6 | 39.3 | 49.3 | 38.3 | 31.8 | 11.2 | 43.7 | 39.2 | 245 | 2.8 | 0.5 | 86 | 548 | 68.8 | 33.4 | 1.2 | 7 | 5 | 7 | 12 | 3.7 | 6.9 | 45 | 6.96 |
| Year 1884 | | 29.681 | 59.8 | 19.5 | 40.3 | 47.7 | 37.0 | 30.5 | 10.9 | 42.4 | 38.8 | 239 | 2.7 | 0.5 | 87 | 548 | 63.5 | 33.8 | 1.2 | 7 | 7 | 11 | 2.1 | 7.1 | 50 | 6.36 | |
| " 1885 | | 29.703 | 71.2 | 16.2 | 55.0 | 59.1 | 38.7 | 33.3 | 11.1 | 44.6 | 34.9 | 234 | 2.6 | 0.4 | 88 | 548 | 70.2 | 32.4 | 1.0 | 8 | 6 | 7 | 9 | 1.4 | 6.6 | 48 | 7.58 |
| " 1887 | | 29.645 | 60.6 | 21.4 | 39.2 | 47.1 | 35.8 | 31.4 | 11.3 | 41.5 | 36.9 | 222 | 2.6 | 0.5 | 85 | 548 | 69.3 | 30.7 | 1.0 | 8 | 6 | 7 | 9 | 1.4 | 6.6 | 48 | 7.58 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING MARCH 31, 1888.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING MARCH 31ST, 1888.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in January was dry and generally fine. The temperature of the air was above its average from the 2nd to the 10th and from the 21st to the 26th, and below at other times. The pressure of the atmosphere from the 2nd was above its average, with the exception of two days. Fog was very prevalent at many places from the 9th to the 14th, the fall of rain was small, and snow fell generally towards the end of the month. Streams and springs were very low.

The weather in February was dry, cold, and cheerless. The temperature of the air from the 4th to the 10th was mild with fine weather, and very cold with temperature below the average on all other days. The pressure of the atmosphere was below its average from the 10th to the 22nd, and generally above on other days. The rainfall was small, and all brooks and streams were low. Snow fell very generally throughout the month, particularly about the middle, with a

On the Weather during the Quarter ending March 31st, 1888.

The mean low night temperature of the air in January was 33°·6, being 0°·1 above the average of 47 years; it was 3°·0, 2°·7, and 1°·3 lower than in 1887, 1886, and 1885 respectively.

The mean low night temperature of the air in February was 30°·8, being 3°·6 below the average of 47 years; it was 1°·7 lower than in 1887, 1°·0 higher than in 1886, and 7°·8 lower than in 1885 respectively.

The mean low night temperature of the air in March was 33°·0, being 2°·0 below the average of 47 years; it was 1°·8 higher than in 1887, 0°·5 lower than in 1886, and 0°·5 higher than in 1885 respectively.

Therefore the days and nights in January differed but little from, and in February and March were much lower than, their averages.

The mean daily range of temperature in January was 8°·0, being 1°·5 smaller than the average. In February it was 8°·5, being 2°·6 smaller than the average. And in March it was 11°·4, being 3°·3 smaller than the average.

The mean temperature in January was 0°·3 colder than in December; in February it was 2°·8 colder than in January; and in March it was 3°·0 warmer than in February.

(From the preceding 47 years' observations the decrease of temperature from December to January is 1°·5; the increase from January to February is 1°·1; and the increase from February to March is 2°·1.)

| 1888. MONTHS. | | Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|------|----------------|---|--|-------|--|-------|--|-------|--|-------|--|-------|---|--|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | |
| | | Mean. | Diff. from ave- rage of 117 years. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | |
| | | | | | | | | | | | | | | | |
| Jan. - | 37·8 | +1·2 | -0·6 | 36·3 | -0·8 | 34·4 | -0·5 | 8·0 | -1·5 | ·199 | ·001 | 2·4 | 0·0 | | |
| Feb. - | 35·0 | -3·8 | -4·5 | 32·8 | -3·2 | 29·3 | -6·0 | 8·5 | -2·6 | ·162 | ·647 | 2·0 | -0·4 | | |
| Mar. - | 38·0 | -3·1 | -3·6 | 35·7 | -3·4 | 32·7 | -3·2 | 11·4 | -3·3 | ·186 | ·030 | 2·2 | -0·3 | | |
| Means - | 36·9 | -1·9 | -2·9 | 34·9 | -3·1 | 32·1 | -3·2 | 9·3 | -2·5 | ·182 | ·026 | 2·2 | -0·2 | | |

| 1888. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Hori- zontal move- ment of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----|---------------------------|--|-----------------------------|--|--------------------------------------|--|--------------|--|---|----------------------------------|---------------------------------|----------------|---|--|
| | | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Amount. | Diff. from ave- rage of 73 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | | |
| Jan. - | 88 | + 1 | 29·053 | +·803 | 560 | + 6 | in. | in. | Miles. | 16 | 15 | 0 | 14·3 | 38·7 | |
| Feb. - | 79 | - 6 | 29·777 | -·020 | 558 | + 5 | 0·89 | -0·68 | 386 | 18 | 11 | 0 | 10·8 | 36·0 | |
| Mar. - | 81 | 0 | 29·432 | -·345 | 548 | - 2 | 2·78 | +1·26 | 377 | 17 | 12 | 2 | 19·8 | 42·7 | |
| Means - | 88 | - 2 | 29·754 | -·021 | 555 | + 3 | Sum 4·56 | Sum -0·42 | Mean 353 | Sum 61 | Sum 38 | Sum 2 | Lowest 10·8 | Highest 42·7 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|--------|----------|-------------------------|
| | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 1½ | + 2½ | 5 | 2½ | + 2½ | 5 | 3 | + 2 |
| N. | 2 | 3½ | - 1½ | 5 | 3 | + 2 | 4 | 4 | 0 |
| N.E. | 5 | 3½ | + 1½ | 9 | 4 | + 5 | 4 | 4 | 0 |
| E. | 2 | 1 | + 1 | 2 | 2 | 0 | 2 | 3 | - 1 |
| S.E. | 5 | 3½ | + 1½ | 1 | 2½ | - 1½ | 2 | 2½ | - ½ |
| S. | 2 | 4½ | - 2½ | 0 | 3 | - 3 | 1 | 3 | - 2 |
| S.W. | 9 | 10½ | - 1½ | 4 | 9 | - 5 | 10 | 8 | + 2 |
| W. | 2 | 3½ | - 1½ | 3 | 3 | 0 | 3 | 3½ | - ½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in January are opposite to N.W., N.E., and S.E.; in February to N.E., N.W., and N.; and in March to N.W. and S.W.

The sign (-) denotes deficiencies below averages. In January this sign is opposite to S., W., and N.; in February to S.W., S., and S.E.; in March to S., E., S.E., and W.

On the Weather during the Quarter ending March 31st, 1888.

From December to January there was a decrease of temperature of 0°·7 at stations south of 52°; between 52° and 53° an increase of 0°·3; and between 53° and 54° an increase of 0°·7.

From January to February there was a decrease of 3°·9 at stations south of 51°; between 51° and 53° of 2°·3; between 53° and 54° of 2°·9; and at stations north of this parallel of 2°·5.

From February to March there was an increase of 2°·7 at stations south of 51°; between 51° and 52° of 3°·4; between 52° and 53° of 2°·2; between 53° and 54° of 1°·1; and at stations north of this parallel of 0°·5.

The mean reading of the barometer at the height of 159 ft. above the sea level for the month of January was 30·053 ins., being 0·303 in. above the average of 47 years; and 0·222 in., 0·578 in., and 0·340 in. higher than in 1887, 1886, and 1885 respectively.

The mean reading of the barometer for February was 29·777 ins., being 0·020 in. below the average of 47 years; it was 0·368 in. and 0·168 in. lower than in 1887 and 1886 respectively, and 0·234 in. higher than in 1885.

The mean reading of the barometer for March was 29·432 ins., being 0·345 in. below the average of 47 years; and 0·459 in., 0·360 in., and 0·468 in. lower than in 1887, 1886, and 1885 respectively. Back to the year 1841 there is only one instance of the mean reading of the barometer being so low in the month of March as in the present year, which was in the year 1876, when it read 29·391 ins.

The mean reading of the barometer in January was 0·377 in. higher than in December; in February it was 0·276 in. lower than in January; and in March it was 0·345 in. lower than in February.

From December to January there was an increase of atmospheric pressure at all stations; at those south of 52°, of 0·36 in.; and at stations north of this parallel of 0·40 in.

From January to February there was a decrease at all stations; at those south of 53° of 0·24 in.; between 53° and 54° of 0·15 in.; and at stations north of this parallel of 0·10 in.

From February to March there was a decrease at all stations; at those south of 53° of 0·36 in.; and at stations north of this parallel of 0·42 in.

About London the barometric pressure was generally above its average till February 9th, the mean daily excess of average for these 40 days being 0·28 in.; from February 10th to the 22nd it was below its average, the mean daily deficiency being 0·22 in.; from February 23rd to March 2nd it was above its average, the mean daily excess being 0·16 in.; and from March 3rd to the 31st it was below its average, with the exception of 3 days, the mean daily deficiency for these 29 days being 0·43 in. The deficiency exceeded one inch on the 11th, 28th, and 29th days.

Thunderstorms occurred in March on the 14th at Truro; on the 15th at Truro; on the 28th at Lowestoft and Somerleyton; on the 29th at Liverpool; and on the 30th at Lowestoft.

Thunder was heard but lightning was not seen in March on the 26th at Osborne, and on the 30th at Somerleyton.

Lightning was seen but thunder was not heard in March on the 29th at Wolverhampton.

Solar halos were seen in January on the 1st at Torquay, Oxford, Liverpool, and Halifax; on the 3rd at Oxford; and on the 20th at Liverpool.

In February on the 13th at Torquay and Oxford; and on the 26th at Torquay.

In March on the 2nd and 3rd at Halifax; on the 10th at Oxford; on the 20th at Halifax; on the 23rd at Torquay; on the 25th at Liverpool and Halifax; and on the 28th at Torquay.

Lunar halos were seen in January on the 22nd at Torquay, Bath, and Halifax; on the 23rd at Oxford, Cambridge, Halifax, and Hull; on the 24th at Cambridge, Liverpool, and Hull; and on the 25th at Oxford and Cambridge.

In February on the 19th at Torquay.

In March on the 23rd at Leicester and Liverpool; on the 25th at Liverpool and Stonyhurst; on the 27th at Torquay, Liverpool, and Halifax; and on the 28th at Oxford and Somerleyton.

Snow fell in January on the 1st at Liverpool, Halifax, Stonyhurst, and Bradford; on the 14th at Bath; on the 15th at Bradford; on the 16th at Torquay, Halifax, Hull, and Bradford; on the 19th at Royston; on the 23rd at Leicester; on the 25th at Hull; on the 26th at Bradford; on the 27th at Blackheath, Oxford, Royston, Cambridge, Lowestoft, Somerleyton, Hull, Bradford, and Carlisle; on the 28th at Whitechurch, Royston, Cambridge, Lowestoft, Somerleyton, Halifax, Hull, and Carlisle; on the 29th at Torquay, Eastbourne, and in the Midland Counties; on the 30th at Guernsey, Torquay, Ventnor, Osborne, and in the Midland and Northern Counties; and on the 31st at Torquay, Eastbourne, and in the Midland and Northern Counties.

In February on the 1st at Torquay, Blackheath, Halifax, Bradford, and Carlisle; on the 2nd at Torquay, and at many stations; on the 3rd at Whitechurch and Blackheath; on the 10th at Liverpool, Halifax, and Bradford; on the 11th at Osborne, Whitechurch, Royston, Rugby, Wolverhampton, and in the Northern Counties; on the 12th at Torquay, Bath, Whitechurch, Rugby, Wolverhampton, and in the Northern Counties; on the 13th and 14th it was general throughout the country; on the 15th at Torquay, Ventnor, Osborne, Bath, Whitechurch, Blackheath, and in the Midland Counties; on the 16th at Osborne, Whitechurch, Blackheath, Barnet, Oxford, and in the Midland and part of the Northern Counties; on the 17th at Plymouth, Torquay, Bath, Whitechurch, Blackheath, and in the Midland and Northern Counties; on the 18th at Ventnor, Osborne, Salisbury, Bath, Blackheath, Oxford, Royston, Cardington, Cambridge, Lowestoft, Somerleyton, Halifax, Hull, and Bradford; on the 19th at Guernsey, Torquay, Ventnor, Eastbourne, Osborne, and in the Midland and Northern Counties; on the 20th at Guernsey, Truro, Torquay, Salisbury, Bath, Whitechurch, Blackheath, Barnet, Oxford, Royston, Leicester, and in the Northern Counties; on the 21st at Truro, Ventnor, Oxford, and in the Midland and Northern Counties; on the 22nd at Guernsey, Truro, Plymouth, Torquay, Ventnor,

[Continued on page 7.]

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

Meteorological Table, Quarter ending March 31st, 1888.

| NAME OF STATION AND OBSERVER. | Height of Station above Sea Level. | Year 1888. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Vapour. | | Mean Temperature. | | Wind. | | Rain. | |
|--|------------------------------------|------------|------|----------------------------------|--------|------------------------------|---------|--------|-----------------|----------------|-------------------|------------|------------|--------|---------|-----------------|
| | | Month. | Day. | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Mean. | Dew Point. | Direction. | Force. | Amount. | Number of Days. |
| | | | | | | | | | | | | | | | | |
| QUERNLEY, ALFRED COLLETT, Esq., F.R. Met. Soc. | 275 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| TRURO (Cornwall), N. WHITLEY, Esq., F.R. Met. Soc. | 43 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| PLYMOUTH (Devon), J. F. R. A. S., F.R. Met. Soc. | 69 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| TORQUAY, Babacombe (Devon), EDWIN E. GLYDE, Esq., F.R. Met. Soc. | 205 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HAMILTON SAGAR, Esq. | 80 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| EASTBOURNE, Miss W. L. HALL. | 12 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| OSBORNE (Isle of Wight), J. K. MARK, Esq. | 172 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| SOUTHBOURNE, (near) Bournemouth (Hants), T. A. COMPTON, Esq., M.D., B.A., F.R. Met. Soc. | 85 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| SALISBURY (Wilton House), WILKS, THOMAS CHALLIS, Esq. | 180 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 43 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |

Meteorological Table, Quarter ending March 31st, 1888.

| NAME OF STATION AND OBSERVER. | Height of Station above Sea Level. | Year 1888. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Vapour. | | Mean Temperature. | | Wind. | | Rain. | |
|--|------------------------------------|------------|------|----------------------------------|--------|------------------------------|---------|--------|-----------------|----------------|-------------------|------------|------------|--------|---------|-----------------|
| | | Month. | Day. | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Mean. | Dew Point. | Direction. | Force. | Amount. | Number of Days. |
| | | | | | | | | | | | | | | | | |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. ALMOND, O.S.B. | 906 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| WHITCHURCH RECTORY (Oxon), Rev. J. SHATTOCK, M.A., F.R. Met. Soc. | 150 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 150 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 150 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F.R. Met. Soc. | 125 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 212 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 212 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| HOYSTON (Hartfordshire), F. H. A. S., HALK WORTHAM, Esq., M.P., F.R. Met. Soc. | 201 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| BEDFORD, Bedford, Mr. J. McLEARY, Assistant to Mr. Whitbread, Esq., M.P. | 105 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | 40 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| RUGBY (Warwickshire), Rev. W. TUCKWILL. | 289 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| LOWESTOFT (Suffolk), H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 89 | Jan. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Feb. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |
| | | Mar. | 29 | 29.05 | 1.403 | 50.2 | 27.0 | 23.2 | 44.7 | 28.4 | 37.3 | 41.8 | 37.9 | 259 | 2.6 | 10 |

| Year 1888. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Tem- perature. | | Vapour. | | | Mean Degree of Humi- dity. Sat. = 100. | | Mean Weight of a cubic Foot of Air. | | Maximum in Rays of Sun. | | Minimum on Thermometer. | | Wind. | | | Mean Amount of Ozone. | | Mean Amount of Cloud. | | Rain. | |
|--------------------------------|--|--------|------------------------------|---------|--------|-----------------|------------------------|------|------------|----------------|------|---|-------------------------|--|---|--|----------------------------|----------------------------|------------------------|---------------------------|----|----|--------------------------|--------------------------|----------------------------|------------------------|-------|------|
| | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | | In a cubic Foot of Air. | Short of Saturation. | Mean. | Mean Degree of Humi- dity. Sat. = 100. | Mean Weight of a cubic Foot of Air. | Maximum in Rays of Sun. | Minimum on Thermometer. | Estimated Strength. | Relative Proportion of | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. | | |
| | | | | | | Of all Highest. | Of all Lowest. | | | Daily Range. | %. | | | | | | | | | °. | W. | | | | | | | |
| STONYHURST (Lancashire). | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29.793 | 1.938 | 61.2 | 24.2 | 37.0 | 0 | 49.2 | 32.3 | 9.9 | 37.5 | 34.1 | 1.97 | 6.4 | 88 | 55.4 | 89.4 | 55.4 | 31.1 | 0 | — | 6 | 7 | 8 | 0 | 0.0 | 27 | 0.25 | in. |
| Feb. | 29.657 | 1.112 | 40.1 | 14.4 | 34.7 | 0 | 34.7 | 30.7 | 10.9 | 34.7 | 30.8 | 1.73 | 2.0 | 85 | 53.8 | 89.4 | 55.4 | 37.0 | 0 | — | 16 | 6 | 8 | 0 | 7.6 | 1.25 | 27 | 0.25 |
| Mar. | 29.218 | 1.642 | 50.2 | 21.3 | 34.9 | 0 | 43.0 | 39.3 | 12.7 | 36.3 | 39.9 | 1.74 | 2.0 | 81 | 54.6 | 89.4 | 55.4 | 37.4 | 0 | — | 10 | 7 | 6 | 8 | 8.9 | 3.60 | 20 | 3.60 |
| CARLISLE, Spital (Cumberland). | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29.967 | 1.938 | 51.8 | 30.8 | 34.7 | 0 | 44.5 | 33.1 | 11.4 | 39.3 | 37.2 | 2.93 | 2.6 | 93 | 53.7 | 84.0 | 26.5 | 0.9 | 6 | 7 | 8 | 10 | 1.8 | 7.8 | 14 | 1.38 | in. | |
| Feb. | 29.966 | 1.938 | 51.8 | 30.8 | 34.7 | 0 | 44.5 | 33.1 | 11.4 | 39.3 | 37.2 | 2.93 | 2.6 | 93 | 53.7 | 84.0 | 26.5 | 0.9 | 6 | 7 | 8 | 10 | 1.8 | 7.8 | 14 | 1.38 | in. | |
| Mar. | 29.490 | 1.046 | 50.9 | 21.7 | 33.9 | 0 | 43.7 | 39.6 | 13.4 | 37.8 | 34.7 | 2.91 | 2.6 | 91 | 53.8 | 84.0 | 27.0 | 1.2 | 1.2 | 9 | 8 | 5 | 10 | 1.7 | 8.1 | 10 | 0.22 | 0.22 |

Second Rain-gauges are placed—

Second Rain-gauges are placed—

At The Gore, Eastbourne, at the height
The Cemetery . . .

Beachy Head " "

Oxford[®]

" NOTTINGHAM " " "

in page 67.]

e, and part of the Northern C

entnor, Blackheath, and Somer

Eastbourne, Osborne, and in the

ernsey, Torquay, Eastbourne,

on the 26th at Cardington, Vt.

er; on the 20th at Wolverhampton, the country.

fall on every day excepting

tations and frequently all over

bury on the 1st at Liverpool; o

th and 25th at Hull; on the 2

on, Liverpool, and Hull ; on

and on the 31st at Guernsey.

ie 1st at Guernsey and Carlis

Stonyhurst, Bradford, and C

at Guernsey. Truro. Plymouth.

at Eastbourne and Cambridge

th at Torquay and Hull; on

on the 23rd and 24th at Hull;

th at Oxford, Somerleyton, an

on; on the 14th at Barnet;

on the 24th at Guernsey and

1

[Continued from page 67.]

Eastbourne, Osborne, and part of the Northern Counties ; on the 23rd at Guernsey, Truro, Torquay, Ventnor, Blackheath, and Somerleyton ; on the 24th at Guernsey, Torquay, Ventnor, Eastbourne, Osborne, and in the Midland and Northern Counties ; on the 25th at Guernsey, Torquay, Eastbourne, Osborne, and in the Midland and Northern Counties ; on the 26th at Cardington, Wolverhampton, and Leicester ; on the 27th at Leicester ; on the 28th at Wolverhampton ; and on the 29th it was general throughout the country.

In March snow fell on every day excepting the 5th to the 10th, and the 29th, generally at many stations and frequently all over the country.

Hail fell in January on the 1st at Liverpool; on the 5th at Bath; on the 14th at Torquay; on the 16th and 25th at Hull; on the 27th at Eastbourne, Bath, Blackheath, Wolverhampton, Liverpool, and Hull; on the 29th at Stonylhurst; on the 30th at Blackheath; and on the 31st at Guernsey and Truro.

in February on the 1st at Guernsey and Carlisle ; on the 10th at Oxford, Liverpool, Halifax, Hull, Stonyhurst, Bradford, and Carlisle ; on the 11th at Guernsey, Lianduno, Hull, and Stonyhurst ; on the 12th at Guernsey, Liverpool, Hull, and Carlisle ; on the 13th at Guernsey, Truro, Plymouth, Rugby, Liverpool, and Stonyhurst ; on the 14th at Eastbourne and Cambridge ; on the 18th at Hull ; on the 19th at Truro ; on the 26th at Torquay and Hull ; on the 21st at Hull ; on the 22nd at Hull and Carlisle ; on the 23rd and 24th at Hull ; on the 27th at Torquay ; and on the 28th at Hull.

In March on the 4th at Oxford, Somerleyton, and Stonyhurst; on the 6th at Hull; on the 12th at Royston; on the 14th at Barnet; on the 15th at Torquay; on the 22nd at Blackheath; on the 24th at Guernsey and Torquay; on the 25th at Guern-

The mean temperature in April was $5^{\circ}4$ warmer than in March; in May it was $9^{\circ}6$ warmer than in April; and in June it was $5^{\circ}3$ warmer than in May.

(From the preceding 47 years' observations the increase from March to April is $5^{\circ}4$; the increase from April to May is $5^{\circ}5$; and the increase from May to June is $6^{\circ}4$.)

From March to April at stations south of 51° there was an increase of temperature of $3^{\circ}8$; between 51° and 53° of $4^{\circ}8$; between 53° and 54° of $5^{\circ}3$ and at stations north of this parallel of $6^{\circ}3$.

From April to May there was an increase of $7^{\circ}7$ at stations south of 51° ; between 51° and 53° of $8^{\circ}8$; between 53° and 54° of $8^{\circ}0$; and at stations north of this parallel of $7^{\circ}0$.

From May to June there was an increase of $4^{\circ}6$ at stations south of 53° ; between 53° and 54° of $3^{\circ}3$; and at stations north of this parallel of $4^{\circ}0$.

The mean reading of the barometer at the height of 159 ft. above the sea level for the month of April was 29.707 ins., being 0.041 in. below the average of 47 years; 0.111 in., and 0.036 in. lower than in 1887 and 1886 respectively, and 0.091 in. higher than in 1885.

| 1888. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|----------------|----------------------------------|--------------|---------------------------------|------------|---------------------------------|------------------|---------------------------------|--------------------------|---------------------------------|--|---------------------------------|
| | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. |
| | Mean. | Diff. from average of 117 years. | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | | | | |
| April - | 43.4 | -2.7 | 40.7 | -3.2 | 37.5 | -2.9 | 16.2 | -2.2 | .224 | -.028 | 2.6 | -0.3 |
| May - | 53.0 | +0.5 | 48.0 | -0.8 | 43.0 | -2.0 | 22.1 | +1.7 | .277 | -.021 | 3.1 | -0.3 |
| June - | 58.3 | 0.0 | 54.4 | -0.1 | 50.9 | +0.3 | 19.4 | -1.6 | .273 | +.003 | 4.2 | 0.0 |
| Means - | 51.6 | -0.7 | 47.7 | -1.4 | 43.8 | -1.5 | 19.2 | -0.7 | .291 | -.015 | 3.3 | -0.2 |

| 1888. MONTHS. | Degrees of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | | Reading of Thermometer on Grass. | | | |
|------------------|----------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------|----------------------------------|------------------|--------------------------|---------------------------|
| | Mean. | | Mean. | | Mean. | | Amount. | | Miles. | | Number of Nights it was | | Lowest Reading at Night. | Highest Reading at Night. |
| | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Amount. | Diff. from average of 47 years. | At or below 30°. | Between 30° and 40°. | Above 40°. | At or below 30°. | | |
| April - | 79 | -1 | 29.707 | -.041 | 547 | +4 | 1.51 | -0.23 | 325 | 14 | 12 | 4 | 18.6 | 49.6 |
| May - | 69 | -10 | 29.879 | +.091 | 540 | 0 | 0.64 | -1.34 | 317 | 6 | 18 | 7 | 28.7 | 53.2 |
| June - | 76 | +1 | 29.752 | -.059 | 530 | -2 | 3.35 | +1.39 | 244 | 0 | 4 | 26 | 26.6 | 55.0 |
| Means - | 75 | -3 | 29.779 | -.003 | 539 | +1 | Sum 5.50 | Sum -0.18 | Mean 295 | Sum 20 | Sum 34 | Sum 37 | Lowest 18.6 | Highest 55.0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|--------------------|--------|----------|-------------------------|-------|----------|-------------------------|-------|----------|-------------------------|
| | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 4½ | -½ | 2 | 1½ | +½ | 2 | 2½ | -½ |
| N. | 5 | 3 | +2 | 3 | 4½ | -1½ | 6 | 3½ | +2½ |
| N.E. | 6 | 3½ | +2½ | 8 | 7½ | +½ | 5 | 3½ | +1½ |
| E. | 2 | 2½ | -½ | 1 | 2½ | -1½ | 1 | 2½ | -1½ |
| S.E. | 0 | 3½ | -3½ | 2 | 1½ | +½ | 1 | 1½ | -½ |
| S. | 3 | 2½ | +½ | 2 | 2½ | -½ | 2 | 2½ | -½ |
| S.W. | 8 | 6½ | +1½ | 11 | 8½ | +2½ | 11 | 10 | +1 |
| W. | 2 | 4 | -2 | 2 | 2½ | -½ | 2 | 4 | -2 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in April are opposite to N.N.E. and S.W.; in May to S.W., N.W., and N.E.; and in June to N., N.E., and S.W.

The sign (-) denotes deficiencies below averages. In April this sign is opposite to S.E. and W.; in May to N. and E.; and in June are opposite to W., E., and S.E.

The mean reading of the barometer for May was 29.879 ins., being 0.091 in. above the average of 47 years; 0.045 in., 0.121 in., and 0.251 in. higher than in 1887, 1886, and 1885 respectively.

The mean reading of the barometer in June was 29.752 ins., being 0.059 in. below the average of 47 years; 0.261 in., 0.053 in., and 0.105 in. lower than in 1887, 1886, and 1885 respectively.

From March to April there was an increase of atmospheric pressure at all stations; at those south of 54° , of $0^{\circ}27$ in.; and at stations north of this parallel of $0^{\circ}24$ in.

From April to May there was an increase at all stations; at those south of 51° of $0^{\circ}19$ in.; between 51° and 53° of $0^{\circ}16$ in.; ; between 53° and 54° of $0^{\circ}13$ in. and at stations north of this parallel of $0^{\circ}08$ in.

From May to June there was a decrease at all stations; at those south of 52° of $0^{\circ}13$ in.; between 52° and 53° of $0^{\circ}10$ in.; between 53° and 54° of $0^{\circ}05$ in.; and at stations north of this parallel of $0^{\circ}01$ in.

About London the atmospheric pressure was generally above its average till the 10th day, the mean daily excess was $0^{\circ}11$ in.; from April 11th to May 3rd it was generally below its average, the mean daily deficiency being $0^{\circ}13$ in.; from May 4th to the 13th it was above its average, the mean daily excess being $0^{\circ}37$ in.; from the 14th to the 19th it was below its average, the mean daily deficiency being $0^{\circ}21$ in.; from May 20th to June 4th it was generally above its average, the mean daily excess was $0^{\circ}16$ in.; from June 5th to the 16th it was generally below, the average daily deficiency was $0^{\circ}10$ in.; from June 17th to the 23rd it was above its average, the mean daily excess was $0^{\circ}11$ in.; and from the 24th to the 30th it was below its average, the mean daily deficiency being $0^{\circ}23$ in.

Thunderstorms occurred in April on the 17th at Wolverhampton, Halifax, and Stonyhurst; on the 18th at Rugby, Halifax, and Hull; and on the 19th at Blackheath, Oxford, and Hull.

In May on the 3rd at Oxford; on the 17th at Liverpool; on the 18th at Wolverhampton and Liverpool; and on the 19th at Eastbourne, Wolverhampton, Llandudno, and Stonyhurst.

In June on the 7th at Halifax and Leeds; on the 9th at Wolverhampton and Bradford; on the 13th at Wolverhampton and Halifax; on the 14th at Osborne, Salisbury, Blackheath, Tottenham, and Oxford; on the 20th at Royston; on the 21st at Salisbury, Tottenham, and Oxford; on the 22nd at Barnet, Somerleyton, and Liverpool; on the 24th at Guernsey, Plymouth, Torquay, and Eastbourne; on the 25th at Truro, Eastbourne, Osborne, Oxford, Royston, Cardington, Rugby, Llandudno, and Liverpool; on the 26th at Eastbourne, Tottenham, Oxford, Royston, and Cardington; on the 27th at Blackheath, Barnet, and Halifax; and on the 28th at Osborne.

Thunder was heard but lightning was not seen in April on the 17th at Bath, Hull, and Bradford; on the 18th at Somerleyton and Bradford; on the 19th at Bath, Whitechurch, and Royston; on the 20th at Royston; and on the 21st at Torquay.

In May on the 2nd at Royston; on the 18th at Torquay, Osborne, Bath, Oxford, Royston, and Halifax; and on the 19th at Halifax and Carlisle.

In June on the 3rd, 8th, 12th, 20th, and 21st at Royston; on the 22nd at Blackheath; on the 24th at Cardington; and on the 25th at Blackheath.

Solar halos were seen in April on the 2nd at Torquay; on the 7th at Halifax; on the 9th and 10th at Torquay, Liverpool, and Halifax; on the 11th at Torquay and Liverpool; on the 13th, 16th, and 26th at Liverpool; on the 27th at Torquay and Oxford; and on the 30th at Torquay, Oxford, and Halifax.

In May on the 5th at Torquay and Oxford; on the 8th at Liverpool; on the 9th at Cambridge and Halifax; on the 14th at Liverpool; on the 15th at Torquay and Liverpool; on the 19th at Oxford; on the 27th at Plymouth and Torquay; and on the 29th at Oxford.

In June on the 2nd and 3rd at Torquay; on the 4th at Torquay and Oxford; on the 7th at Oxford; on the 10th at Torquay, Osborne, and Oxford; on the 11th and 14th at Oxford; on the 16th at Oxford and Liverpool; on the 18th at Liverpool; on the 19th at Oxford, Liverpool, and Halifax; on the 20th at Torquay; on the 21st at Halifax; and on the 23rd at Torquay.

Lunar halos were seen in April on the 26th at Oxford and Liverpool.

In June on the 24th at Torquay.

Snow fell in April on the 2nd at Bath, Rugby, Halifax, and Hull; on the 3rd at Torquay, Ventnor, Osborne, and in the Midland Counties; on the 4th at Plymouth, Torquay, Ventnor, Bath, Royston, Rugby, Somerleyton, and Halifax; on the 5th at Plymouth, Torquay, and in the Midland and Northern Counties; on the 6th at Torquay, Liverpool, and Halifax; on the 7th at Royston, Cambridge, Lowestoft, and Somerleyton; on the 8th it was general over the country; on the 9th at Royston, Cambridge, Lowestoft, Somerleyton, and Hull; on the 10th at Blackheath,

Royston, Cambridge, Somerleyton, and Hull; on the 17th and 18th at Wolverhampton; and on the 24th, 25th, and 26th at Halifax.

In May on the 2nd at Halifax.

Hail fell in April on the 2nd at Bath, Royston, Cambridge, and Hull; on the 3rd at Barnet, Royston, Somerleyton, and Hull; on the 4th at Hull; on the 6th at Cardington; on the 7th at Lowestoft; on the 8th at Torquay and Royston; on the 9th at Lowestoft, Somerleyton, and Hull; on the 10th at Royston; on the 17th at Bath, Rugby, and Stonyhurst; on the 18th at Bath and Hull; on the 19th at Plymouth, Torquay, Royston, and Rugby; and on the 20th at Plymouth, Torquay, and Blackheath.

In May on the 2nd at Torquay, Royston, and Stonyhurst; on the 3rd at Truro, Royston, Cambridge, Wolverhampton, Llandudno, and Stonyhurst; and on the 5th, 6th, 7th, 8th, and 21st at Guernsey.

In June on the 13th at Halifax; on the 14th at Royston; and on the 21st and 25th at Oxford.

Fog prevailed in April on the 6th at Carlisle; on the 11th and 12th at Guernsey and Bath; on the 14th and 15th at Torquay; on the 19th at Guernsey; on the 21st at Lowestoft and Somerleyton; on the 22nd at Torquay and Salisbury; on the 23rd at Guernsey; and on the 24th at Guernsey, Bath, Whitechurch, and Lowestoft.

In May on the 3rd at Guernsey; on the 6th at Plymouth and Osborne; on the 7th at Ventnor and Osborne; on the 8th at Ventnor; on the 9th, 17th, and 18th at Torquay; on the 21st at Hull; and on the 29th at Torquay.

In June on the 3rd and 4th at Guernsey; on the 6th at Guernsey, Torquay, and Bath; on the 7th and 8th at Torquay; on the 9th at Guernsey and Llandudno; on the 10th at Guernsey; on the 15th at Guernsey and Llandudno; on the 16th, 17th, and 18th at Bath; on the 20th at Hull; on the 21st at Guernsey; on the 22nd at Guernsey, Torquay, and Bath; on the 23rd at Guernsey; on the 24th at Bath; on the 25th at Guernsey and Bath; on the 26th at Guernsey, Bath, Hull, and Stonyhurst; on the 27th at Torquay; and on the 29th and 30th at Guernsey.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1888.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station above Sea Level. | Year 1888. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Vapour. | | Mean Temperature. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|--|------------------------------------|---|----------------------------------|-------------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------------|----------------------|-------------------|-------------------|-----------------------|-------------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | Range. | In a cubic foot of Air. | Short of Saturation. | Mean. | Direction. | Mean Amount of Cloud. | Amount of Days it fell. |
| | | | | | | | | | | | | | | | | | |
| GUERNSEY, ALBERT COLLETT, Esq., F. R. Met. Soc. | 275 | April 29.617 May 29.708 June 29.671 | 29.617 29.708 29.671 | 0.780 0.975 0.690 | 37.0 70.4 73.6 | 31.7 50.0 45.0 | 35.3 20.4 28.6 | 37.0 50.0 45.0 | 31.7 50.0 45.0 | 35.3 20.4 28.6 | 35.3 20.4 28.6 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| TRURO (Gorwall), N. WHITLEY, Esq., F. R. Met. Soc. | 45 | April 29.785 May 29.801 June 29.763 | 29.785 29.801 29.763 | 0.712 0.607 0.701 | 59.0 70.4 74.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 59.0 70.4 74.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| PLYMOUTH (Devon), J. MENDIPPE, Esq., F. R. Met. Soc. | 69 | April 29.862 May 29.966 June 29.853 | 29.862 29.966 29.853 | 0.835 0.994 0.745 | 58.0 73.8 76.8 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 58.0 73.8 76.8 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| TORQUAY, BARNHAM (Devon), F. R. Met. Soc. | 205 | April 29.373 May 29.733 June 29.630 | 29.373 29.733 29.630 | 0.811 1.113 0.730 | 61.9 77.7 72.5 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 61.9 77.7 72.5 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HANLEY SAGAR, Esq., F. R. Met. Soc. | 80 | April 29.778 May 29.964 June 29.818 | 29.778 29.964 29.818 | 0.975 1.016 0.731 | 56.2 71.7 77.5 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 56.2 71.7 77.5 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| EASTBOURNE, Mrs W. L. HALL. | 12 | April 29.714 May 29.860 June 29.755 | 29.714 29.860 29.755 | 0.700 0.942 0.744 | 63.7 71.7 80.9 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 63.7 71.7 80.9 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| OSBORNE (Isle of Wight), J. R. MANN, Esq. | 172 | April 29.714 May 29.860 June 29.755 | 29.714 29.860 29.755 | 0.700 0.942 0.744 | 63.7 71.7 80.9 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 63.7 71.7 80.9 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| SALISBURY (Wilton House), WILKS, THOMAS CHALLIN, Esq. | 156 | April 29.682 May 29.832 June 29.708 | 29.682 29.832 29.708 | 0.782 1.074 0.740 | 62.0 75.0 80.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 62.0 75.0 80.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 43 | April 29.640 May 29.790 June 29.694 | 29.640 29.790 29.694 | 0.640 0.890 0.694 | 57.0 72.5 69.4 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 57.0 72.5 69.4 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. ALMOND, O.S.B. | 296 | April 29.790 May 29.930 June 29.833 | 29.790 29.930 29.833 | 0.694 0.930 0.833 | 54.6 69.4 76.6 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 54.6 69.4 76.6 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |
| WHITCHURCH RECTORY (Oxon), Rev. J. SLATTERY, M.A., F. R. Met. Soc. | 150 | April 29.757 May 29.927 June 29.778 | 29.757 29.927 29.778 | 0.679 0.927 0.888 | 64.2 75.5 81.5 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 64.2 75.5 81.5 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 50.0 50.0 50.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 3.4 3.4 3.4 | 0.0 0.0 0.0 | 0.0 0.0 0.0 | 0.0 0.0 0.0 |

| Year 1885. | Months. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | |
|--|---------|----------------------------------|--------|------------------------------|---------|--------|-----------------|-------------------|------|------------------------------|------------|----------------|------------------------|-----------------------|-----------------------|-------------------------|-------|------|----|
| | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | | Dew Point. | Elastic Force. | Relative Proportion of | | | | | | |
| | | | | | | | Of All Highest. | Of All Lowest. | | | | | Daily Range. | | | | | N. | E. |
| Height of Station Above Sea Level. | feet. | in. | in. | ° | ° | ° | ° | ° | ° | ° | grs. | ° | ° | ° | ° | ° | in. | | |
| ROYAL OBSERVATORY, Greenwich, W. H. M. Christie, M.A., F.R.S., Astronomer Royal. | 129 | April 29.707 | 0.673 | 67.7 | 50.3 | 41.4 | 52.6 | 86.3 | 16.2 | 43.4 | 37.5 | .284 | 2.6 | 0.6 | 70 | 647 | 58.9 | 31.8 | |
| | | May 29.879 | 0.837 | 76.8 | 43.8 | 45.8 | 67.9 | 43.9 | 45.8 | 43.0 | 40.9 | .373 | 3.1 | 1.4 | 69 | 540 | 123.1 | 25.5 | |
| | | June 29.752 | 0.678 | 87.6 | 43.5 | 42.1 | 69.2 | 49.9 | 29.4 | 58.3 | 50.9 | .373 | 4.3 | 1.3 | 77 | 530 | 122.8 | 45.1 | |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 180 | April 29.703 | 0.631 | 66.0 | 35.5 | 40.5 | 51.3 | 55.5 | 15.8 | 42.0 | 37.7 | .227 | 2.6 | 0.5 | 83 | 549 | 90.0 | — | |
| | | May 29.755 | 0.693 | 76.0 | 43.0 | 39.2 | 63.8 | 42.9 | 21.0 | 51.8 | 48.2 | .281 | 3.2 | 1.2 | 73 | 541 | 115.8 | — | |
| | | June 29.733 | 0.703 | 84.5 | 43.0 | 39.5 | 65.8 | 49.4 | 19.2 | 57.0 | 51.2 | .377 | 4.2 | 1.1 | 81 | 534 | 111.4 | — | |
| CAMDEN SQUARE (London), G. J. Symonds, Esq., F.R.S., F. K. Met. Soc. | 123 | April 29.788 | 0.700 | 64.8 | 27.7 | 37.1 | 52.4 | 37.1 | 15.3 | 43.6 | 37.0 | .289 | 2.6 | 0.7 | 78 | 548 | 90.0 | 32.4 | |
| | | May 29.764 | 0.709 | 77.2 | 35.3 | 41.9 | 64.0 | 44.1 | 19.9 | 52.8 | 42.4 | .272 | 3.1 | 1.4 | 68 | 541 | 105.8 | 38.8 | |
| | | June 29.819 | 0.622 | 84.7 | 43.9 | 40.8 | 63.1 | 50.8 | 17.3 | 57.6 | 49.9 | .381 | 4.0 | 1.3 | 76 | 533 | 106.9 | 47.1 | |
| TOTTENHAM, J. E. Worth, C.E., Roy. Met. Soc. | 47 | April 29.782 | 0.680 | 64.7 | 33.3 | 38.3 | 51.6 | 39.3 | 12.3 | 43.7 | 38.9 | .257 | 2.7 | 0.5 | 83 | 549 | 90.0 | — | |
| | | May 29.783 | 0.703 | 74.7 | 42.7 | 43.5 | 62.3 | 43.5 | 19.4 | 51.7 | 44.9 | .289 | 3.3 | 0.9 | 78 | 543 | 107.0 | — | |
| | | June 29.822 | 0.653 | 82.4 | 44.7 | 37.7 | 57.7 | 50.9 | 15.5 | 53.6 | 52.6 | .353 | 4.5 | 0.6 | 87 | 525 | 107.0 | — | |
| BARNET (Gas Works), T. H. Martin, Esq., C.E. | 212 | April 29.685 | 0.733 | 63.2 | 21.0 | 44.2 | 51.9 | 33.9 | 18.0 | 41.7 | 37.2 | .223 | 2.6 | 0.5 | 84 | 549 | 97.1 | 30.4 | |
| | | May 29.833 | 0.749 | 75.7 | 30.1 | 45.4 | 63.1 | 39.4 | 23.7 | 50.3 | 42.1 | .268 | 3.1 | 1.1 | 75 | 542 | 118.6 | 39.8 | |
| | | June 29.736 | 0.671 | 84.0 | 40.0 | 44.0 | 67.7 | 47.4 | 20.9 | 55.0 | 49.4 | .333 | 4.0 | 1.0 | 79 | 533 | 119.9 | 42.1 | |
| OXFORD (The Observatory), E. J. Stone, Esq., M.A., F.R.S. | 213 | April 29.733 | 0.784 | 39.9 | 25.8 | 34.1 | 50.2 | 37.0 | 13.2 | 43.3 | 38.4 | .214 | 2.7 | 0.5 | 83 | 546 | 95.3 | 33.5 | |
| | | May 29.763 | 0.729 | 72.9 | 39.4 | 37.5 | 61.2 | 43.8 | 17.8 | 52.0 | 44.1 | .291 | 3.3 | 1.1 | 75 | 540 | 111.7 | 38.7 | |
| | | June 29.703 | 0.707 | 79.9 | 39.4 | 37.5 | 61.8 | 43.8 | 15.1 | 56.6 | 50.6 | .370 | 4.1 | 1.0 | 80 | 522 | 115.5 | 43.1 | |
| ROYSTON (Hertfordshire), HALE WORTHAM, Esq., F.R.A.S., F.R. Met. Soc. | 301 | April 29.615 | 0.729 | 64.3 | 23.5 | 40.8 | 51.5 | 35.5 | 16.0 | 42.0 | 37.5 | .225 | 2.5 | 0.5 | 85 | 547 | — | — | |
| | | May 29.805 | 0.749 | 75.7 | 30.1 | 45.4 | 63.1 | 39.4 | 23.7 | 50.3 | 42.1 | .268 | 3.1 | 1.1 | 75 | 542 | 118.6 | 39.8 | |
| | | June 29.686 | 0.697 | 83.4 | 42.6 | 43.8 | 69.4 | 48.4 | 21.0 | 55.0 | 50.4 | .387 | 4.1 | 0.9 | 82 | 533 | — | — | |
| BEDFORD, Corbridge, Mr. J. McLean, Assistant to S. R. Whitehead, Esq., M.P. | 105 | April 29.784 | 0.680 | 66.3 | 22.3 | 44.0 | 52.1 | 38.4 | 16.7 | 42.9 | 38.5 | .216 | 2.5 | 0.7 | 79 | 549 | 79.9 | — | |
| | | May 29.823 | 0.724 | 76.0 | 30.0 | 47.4 | 64.9 | 41.9 | 23.0 | 52.0 | 42.1 | .268 | 3.0 | 1.4 | 70 | 542 | 94.7 | 37.5 | |
| | | June 29.688 | 0.612 | 89.0 | 41.6 | 44.4 | 63.5 | 47.8 | 21.7 | 55.5 | 50.9 | .373 | 4.3 | 1.2 | 76 | 531 | 105.6 | 44.3 | |
| CAMBRIDGE (Trinity College), J. W. L. Glaisher, Esq., M.A., F.R.S. | 40 | April 29.827 | 0.740 | 63.9 | 22.9 | 43.1 | 53.0 | 36.5 | 17.4 | 42.8 | 39.5 | .243 | 3.8 | 0.4 | 88 | 530 | 113.2 | 33.5 | |
| | | May 29.972 | 1.064 | 78.8 | 29.4 | 49.4 | 64.0 | 41.6 | 22.4 | 51.7 | 45.1 | .501 | 5.4 | 0.8 | 75 | 543 | 139.0 | 39.4 | |
| | | June 29.924 | 0.758 | 83.0 | 29.0 | 43.0 | 51.1 | 34.1 | 17.0 | 41.3 | 37.4 | .224 | 2.6 | 0.4 | 89 | 548 | — | — | |
| RUGBY (Warwickshire), Stockton, The Rectory, Rev. W. Luckwell. | 289 | April 29.684 | 0.683 | 73.8 | 22.0 | 45.8 | 62.9 | 40.7 | 22.9 | 40.7 | 46.8 | .321 | 5.6 | 0.8 | 83 | 539 | — | — | |
| | | May 29.633 | 0.684 | 73.7 | 32.6 | 47.1 | 66.9 | 45.4 | 20.5 | 53.0 | 52.1 | .850 | 4.3 | 0.5 | 90 | 539 | — | — | |
| | | June 29.633 | 0.684 | 73.7 | 32.6 | 47.1 | 66.9 | 45.4 | 20.5 | 53.0 | 52.1 | .850 | 4.3 | 0.5 | 90 | 539 | — | — | |
| LOWESTOFT (Suffolk), H. Miller, Esq., F.R.A.S., F.R. Met. Soc. | 89 | April 29.758 | 0.704 | 60.4 | 29.0 | 31.4 | 47.3 | 35.8 | 10.5 | 41.4 | 39.0 | .212 | 2.5 | 0.6 | 82 | 550 | 97.0 | 33.1 | |
| | | May 29.825 | 0.620 | 69.0 | 25.9 | 36.1 | 48.9 | 33.7 | 15.2 | 40.6 | 35.9 | .211 | 2.4 | 0.5 | 84 | 533 | — | — | |
| | | June 29.744 | 0.718 | 70.6 | 32.0 | 38.6 | 42.0 | 16.6 | 48.8 | 42.2 | 37.0 | .270 | 3.1 | 0.8 | 78 | 546 | — | — | |
| SOVERLEYTON (Suffolk), The Rectory, Rev. C. J. Steward, F.R. Met. Soc. | 50 | April 29.825 | 0.620 | 69.0 | 25.9 | 36.1 | 48.9 | 33.7 | 15.2 | 40.6 | 35.9 | .211 | 2.4 | 0.5 | 84 | 533 | — | — | |
| | | May 29.744 | 0.718 | 70.6 | 32.0 | 38.6 | 42.0 | 16.6 | 48.8 | 42.2 | 37.0 | .270 | 3.1 | 0.8 | 78 | 546 | — | — | |
| | | June 29.824 | 0.718 | 83.8 | 41.4 | 42.4 | 63.9 | 48.6 | 15.3 | 54.1 | 49.1 | .349 | 4.0 | 0.7 | 83 | 538 | — | — | |

[illegible]

Second Rain-gauges are placed—

Second Rain-gauges are placed—
At The Cemetery, Eastbourne, at the h

At the Cemetery, Eastbourne, at the N
Beachy Head " " "

Oxford

Qaoru
Nottingham

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | |
|--------------------|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|---------------------------------------|-------------------|------|
| | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Mean Amount of Days on which it fell. | Amount collected. | |
| | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | 29.634 73.5 31.7 | 41.8 | 56.6 | 14.7 | 29.1 | 11.9 | 49.6 | 15.2 | 30.9 | 3.5 | 0.7 | 85 | 540 110.2 | 39.0 | 1.2 | 8 | 7 | 7 | 9 | 3.2 | 5.6 | 42 | 6.92 | |
| Truro | 29.568 76.0 27.0 | 49.0 | 69.7 | 14.7 | 37.7 | 16.0 | 51.6 | 13.9 | 30.2 | 3.3 | 0.8 | 73 | 511 | — | — | 2.7 | 8 | 6 | 8 | 8 | — | 6.3 | 34 | 6.00 |
| Plymouth | 29.671 72.8 39.2 | 41.9 | 57.0 | 14.5 | 30.8 | 12.5 | 49.6 | 14.0 | 29.3 | 3.3 | 0.7 | 84 | 539 111.3 | 39.8 | 1.4 | 8 | 7 | 7 | 9 | 4.8 | 6.4 | 35 | 6.69 | |
| Torquay | 29.649 77.2 29.8 | 48.2 | 66.6 | 14.7 | 29.9 | 11.9 | 49.1 | 13.9 | 29.1 | 3.3 | 0.8 | 81 | 513 | — | — | 1.7 | 7 | 8 | 7 | 9 | — | 5.2 | 40 | 4.73 |
| Venstour | 29.674 78.4 30.3 | 48.4 | 66.6 | 14.7 | 29.9 | 11.9 | 49.1 | 13.9 | 29.1 | 3.3 | 0.7 | 84 | 513 | — | — | 1.7 | 7 | 8 | 7 | 9 | — | 5.2 | 40 | 4.73 |
| Eastbourne | 29.670 80.9 27.5 | 43.1 | 63.0 | 12.8 | 37.6 | 7.2 | 49.7 | 14.7 | 30.2 | 3.4 | 0.7 | 84 | 541 103.7 | 38.5 | 1.4 | 7 | 7 | 9 | 8 | 2.1 | 6.7 | 40 | 4.73 | |
| Osborne | 29.637 85.0 22.4 | 43.0 | 62.8 | 13.0 | 40.7 | 23.8 | 50.2 | 14.4 | 32.1 | 3.6 | 0.6 | 87 | 540 111.0 | — | — | 1.5 | 6 | 7 | 9 | — | 7.1 | 43 | 7.11 | |
| Salisbury | 29.655 74.6 27.8 | 43.8 | 63.8 | 12.8 | 32.2 | 14.0 | 48.0 | 13.4 | 28.3 | 3.3 | 0.6 | 84 | 535 109.2 | 38.1 | 1.2 | 7 | 6 | 8 | 9 | — | 6.3 | 37 | 6.09 | |
| Barnstaple | 29.697 81.6 24.7 | 37.2 | 52.0 | 12.2 | 41.8 | 19.7 | 51.1 | 14.6 | 29.8 | 3.3 | 1.1 | 75 | 541 | — | — | 1.2 | 6 | 8 | 8 | — | 6.7 | 43 | 8.32 | |
| Bath | 29.639 87.6 26.7 | 51.3 | 63.2 | 11.0 | 42.2 | 13.2 | 51.6 | 13.8 | 29.1 | 3.3 | 1.1 | 75 | 539 114.1 | 37.7 | — | — | — | — | — | 3.5 | — | 36 | 5.50 | |
| Whitechapel | 29.616 81.6 23.2 | 39.0 | 51.3 | 12.7 | 41.1 | 18.7 | 50.3 | 14.0 | 29.5 | 3.3 | 0.9 | 80 | 541 105.7 | — | — | 0.9 | 5 | 8 | 8 | — | 6.4 | 42 | 5.88 | |
| Royal Observatory | 29.682 81.7 27.7 | 47.0 | 61.6 | 14.6 | 39.9 | 17.7 | 51.3 | 13.1 | 28.4 | 3.2 | 1.1 | 74 | 541 100.9 | 38.4 | — | — | 8 | 6 | 8 | — | 6.3 | 40 | 5.88 | |
| Blackheath | 29.617 82.4 25.4 | 46.0 | 60.9 | 14.6 | 39.9 | 15.7 | 50.6 | 13.5 | 28.1 | 3.2 | 0.9 | 80 | 541 111.9 | 37.5 | 0.7 | 8 | 6 | 6 | 10 | — | 6.8 | 44 | 5.78 | |
| Camden Square | 29.705 44.0 31.0 | 11.0 | 39.9 | 10.2 | 43.2 | 20.7 | 49.3 | 12.9 | 28.1 | 3.2 | 0.9 | 80 | 541 111.9 | 37.5 | 0.7 | 8 | 6 | 6 | 11 | — | 6.8 | 44 | 5.78 | |
| Tottenham | 29.631 76.9 25.8 | 41.1 | 58.7 | 13.4 | 33.6 | 13.9 | 50.6 | 14.4 | 29.8 | 3.4 | 0.9 | 79 | 539 107.2 | 37.5 | 2.6 | 8 | 6 | 8 | 8 | 2.6 | 6.8 | 42 | 6.10 | |
| Barnet | 29.639 86.4 23.6 | 42.9 | 61.6 | 12.0 | 41.4 | 19.6 | 50.7 | 13.7 | 29.1 | 3.3 | 0.8 | 81 | 510 | — | — | — | 9 | 6 | 7 | 8 | — | 6.6 | 36 | 4.51 |
| Oxford | 29.639 86.0 22.8 | 43.7 | 62.2 | 12.0 | 45.5 | 20.1 | 50.6 | 13.2 | 28.6 | 3.3 | 1.1 | 75 | 512 93.4 | 38.1 | 0.7 | 8 | 6 | 7 | 9 | — | 5.0 | 23 | 5.63 | |
| Royston | 29.677 79.7 30.1 | 49.7 | 69.8 | 14.2 | 44.6 | 20.1 | 49.0 | 15.4 | 31.1 | 3.5 | 0.5 | 88 | 540 | — | — | 0.0 | 9 | 5 | 8 | 2 | — | 6.4 | 31 | 3.51 |
| Cardington | 29.631 83.8 25.9 | 47.9 | 57.1 | 11.4 | 49.0 | 15.7 | 47.8 | 12.4 | 27.7 | 3.2 | 0.7 | 82 | 543 | — | — | 1.0 | 8 | 7 | 7 | 8 | — | 6.6 | 41 | 3.99 |
| Cambridge | 29.748 81.1 25.0 | 36.1 | 58.3 | 19.9 | 42.0 | 18.2 | 47.9 | 10.6 | 25.7 | 2.9 | 0.9 | 76 | 537 | — | — | — | 8 | 7 | 7 | 8 | — | 6.8 | 34 | 4.70 |
| Rugby | 29.599 80.0 22.2 | 57.2 | 7.6 | 11.8 | 11.1 | 15.8 | 45.4 | 10.3 | 25.1 | 2.9 | 1.0 | 74 | 541 105.8 | 38.0 | 0.8 | 9 | 6 | 6 | 9 | 0.9 | 7.8 | 38 | 4.45 | |
| Lowestoft | 29.671 74.9 32.0 | 44.0 | 55.6 | 11.5 | 32.9 | 11.1 | 49.7 | 11.4 | 27.7 | 3.0 | 1.1 | 74 | 543 | — | — | 1.0 | 7 | 7 | 6 | 11 | — | 6.7 | 48 | 5.22 |
| Somerleyton | 29.665 82.3 31.4 | 40.9 | 57.2 | 11.5 | 35.6 | 12.7 | 49.3 | 11.3 | 26.3 | 3.0 | 1.1 | 74 | 541 | — | — | — | 7 | 7 | 7 | 11 | — | 6.6 | 44 | 5.68 |
| Wolverhampton | 29.636 82.0 27.3 | 44.7 | 57.2 | 10.9 | 42.1 | 17.2 | 47.0 | 10.9 | 25.9 | 2.9 | 0.8 | 79 | 537 91.2 | 37.0 | 0.8 | 7 | 8 | 6 | 9 | — | 6.7 | 44 | 5.68 | |
| Nottingham | 29.679 74.0 23.0 | 48.0 | 58.4 | 10.7 | 39.0 | 16.6 | 48.2 | 11.5 | 24.1 | 3.0 | 0.9 | 79 | 546 101.1 | 38.4 | 1.2 | 8 | 6 | 7 | 10 | — | 6.6 | 46 | 4.15 | |
| Llandudno | 29.673 84.0 11.0 | 33.0 | 37.7 | 11.4 | 7.3 | 14.3 | 49.0 | 9.9 | 23.9 | 2.9 | 1.2 | 71 | 512 | — | — | — | 6 | 6 | 7 | 10 | — | 7.0 | 41 | 5.78 |
| Liverpool | 29.639 81.0 25.7 | 48.3 | 53.6 | 10.7 | 42.9 | 17.9 | 48.1 | 10.9 | 23.9 | 3.0 | 1.0 | 76 | 539 109.0 | 37.6 | 0.4 | 7 | 8 | 7 | 9 | — | 7.6 | 46 | 5.69 | |
| Hull | 29.602 83.8 22.8 | 11.0 | 63.5 | 10.7 | 48.1 | 10.3 | 49.6 | 15.4 | 30.9 | 3.5 | 0.6 | 85 | 541 93.9 | 33.7 | 1.1 | 6 | 7 | 7 | 10 | 1.5 | 7.1 | 37 | 4.00 | |

The highest temperatures of the air were at the Royal Observatory, 87° 6; at Royston, 86° 4; and at Cardington, 86° 0.
 The lowest temperatures of the air were at Rugby, 29° 0; at Barnet, 21° 0; and at Salisbury, 22° 0.
 The greatest ranges of temperature were at Cardington, 63° 7; and at Salisbury and Barnet, 63° 0.
 The least ranges of temperature were at Guernsey, 41° 8; at Torquay, 41° 9; and at Llandudno, 41° 9.
 The greatest number of days of rain were at Llandudno, 43; and Hull and Stonyhurst, 46.
 The least number of days of rain were at Cardington, 26; at Rugby, 31; and at Truro, 31.
 The greatest falls of rain were at Bath, 8.33 inches; Salisbury, 7.11 inches; and at Guernsey, 6.92 inches.
 The least falls of rain were at Somerleyton, 3.51 inches; at Rugby, 3.51 inches; and at Liverpool, 3.68 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | |
|----------------------------------|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|-------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------|
| | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | Number of Days on which it fell. | Amount collected. |
| Guernsey | 29.634 73.5 31.7 | 41.8 | 56.6 | 14.7 | 29.1 | 11.9 | 49.6 | 15.2 | 30.9 | 3.5 | 0.7 | 85 | 540 110.2 | 39.0 | 1.2 | 8 | 7 | 7 | 9 | 3.2 | 5.6 | 42 | 6.92 |
| Between 50° and 51° | 29.645 77.1 28.9 | 48.2 | 66.6 | 14.7 | 29.9 | 11.9 | 49.1 | 13.9 | 29.1 | 3.3 | 0.7 | 84 | 539 111.3 | 39.8 | 1.4 | 8 | 7 | 7 | 9 | 4.8 | 6.4 | 35 | 6.69 |
| Between 51° and 52° | 29.657 82.7 25.1 | 57.6 | 61.1 | 12.8 | 40.8 | 18.3 | 50.7 | 14.1 | 31.3 | 3.4 | 0.9 | 79 | 541 108.6 | 38.9 | 1.3 | 7 | 7 | 7 | 9 | 5.2 | 5.5 | 42 | 6.92 |
| Between 52° and 53° | 29.678 82.8 23.2 | 59.0 | 59.5 | 11.2 | 42.6 | 18.3 | 48.9 | 11.8 | 27.9 | 3.2 | 0.8 | 79 | 541 99.3 | 38.3 | 0.7 | 7 | 7 | 7 | 9 | 5.0 | 5.6 | 40 | 6.77 |
| Between 53° and 54° | 29.674 79.9 29.7 | 59.2 | 55.8 | 12.8 | 37.3 | 14.0 | 48.6 | 10.9 | 26.0 | 2.9 | 1.0 | 75 | 541 91.8 | 37.7 | 1.0 | 7 | 7 | 7 | 9 | 5.2 | 5.5 | 42 | 6.92 |
| Between 54° and 55° | 29.615 83.9 24.0 | 59.0 | 59.5 | 11.2 | 42.6 | 18.3 | 48.9 | 11.8 | 27.9 | 3.2 | 0.8 | 79 | 541 99.3 | 38.3 | 0.7 | 7 | 7 | 7 | 9 | 5.0 | 5.6 | 40 | 6.77 |
| Mean for the Quarter, 50° to 55° | 29.680 78.7 27.2 | 49.5 | 59.1 | 12.3 | 36.3 | 16.8 | 49.6 | 12.9 | 27.8 | 3.2 | 0.9 | 78 | 540 104.6 | 37.2 | 1.2 | 7 | 6 | 7 | 11 | 4.7 | 6.1 | 43 | 6.37 |
| Year 1886 | 29.642 76.8 23.4 | 48.4 | 59.6 | 13.1 | 38.9 | 16.5 | 49.9 | 13.8 | 29.0 | 3.3 | 0.9 | 79 | 540 102.6 | 38.5 | 1.1 | 7 | 6 | 6 | 10 | 3.3 | 6.6 | 43 | 7.14 |
| Year 1887 | 29.791 83.1 28.4 | 53.7 | 60.5 | 12.5 | 37.7 | 17.9 | 50.2 | 14.1 | 28.5 | 3.0 | 1.0 | 77 | 542 107.5 | 38.4 | 1.0 | 7 | 6 | 6 | 10 | 3.2 | 6.9 | 39 | 6.13 |
| Year 1888 | 29.692 81.5 26.2 | 55.1 | 59.1 | 12.3 | 36.3 | 16.7 | 49.4 | 12.8 | 28.3 | 3.2 | 0.9 | 79 | 541 102.9 | 38.1 | 1.0 | 7 | 6 | 7 | 9 | 3.2 | 6.9 | 39 | 6.13 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING SEPTEMBER 30, 1888.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING SEPTEMBER 30TH, 1888.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in July was remarkably cold and wet, it was ungenial throughout, with very little sunshine. The temperature was below its average on nearly every day, and on a few days was as much as 15° below the average; the month was colder than any July back to 1860. The atmospheric pressure was below its average on almost every day, and its mean monthly value was lower than any back to the year 1861. The fall of rain at Greenwich was 6.75 inches, and once only back to 1815 has this fall in July been exceeded, viz., in 1828 when it was 7.00 inches. Falls of rain in July exceeding 5 inches are as follows:—

In 1828 it was 7.0 inches. In 1853 it was 6.0 inches. In 1867 it was 5.8 inches.
 1834 " 5.3 " 1855 " 5.0 " 1875 " 5.3 "

The weather in August was also wet, cold, gloomy, and cloudy. The only period of moderate warmth in the month was the six days from the 7th to the 12th, and at all other times it was cold. The atmospheric pressure was above its average till the 19th and below from the 20th. The fall of rain about London was a little above the average, but was generally less than the average at northern stations. The want of sunshine prevented fruits ripening, and was most unfavourable for harvest operations.

The month of September was dry, the first 10 days were moderately warm, but generally cold afterwards, the middle fortnight was fine and pleasant. The pressure of the atmosphere was below its average till the 7th, and was generally above from the 8th to the end of the month. The fall of rain was below its average at all stations. At Greenwich it was 0.73 inch, and there are only 4 instances of smaller falls back to 1815, viz., in 1832 it was 0.4 inch, in 1843 it was 0.5 inch, in 1851 it was 0.4 inch, and in 1865 it was 0.2 inch.

About London the mean daily temperature of the air was below its average from July 1st till August 6th, with the exception of one day, viz., the 22nd when it 1° 4 above the average; the mean daily deficiency for these 37 days being 5° 5; from the 7th to the 12th it was above the mean daily excess being 4° 8; and from August 13th a cold period set in and continued till September 30th, the mean deficiency for the 49 days being 2° 9.

The mean temperature of the air for July was 57° 9, being 3° 8 and 4° 4 below the average of 117 years and 47 years respectively; it was 8° 6, 5° 1, and 5° 9 lower than in 1887, 1886, and 1885 respectively. And there were only 8 instances of as low temperature back to the year 1771, viz.:—

1860 it was 57.6 1821 it was 57.7 1812 it was 57.4
 1841 " 57.8 1817 " 57.7 1802 " 56.5
 1840 " 58.0 1816 " 54.5

The mean temperature of the air for August was 59° 1, being 1° 8 and 2° 4 below the average of 117 and 47 years respectively; it was 3° 4 and 2° 9 lower than in 1887 and 1886 respectively, and 0° 6 higher than in 1885.

The mean temperature of the air for September was 55° 7, being 0° 8 and 1° 3 below the average of 117 and 47 years respectively; it was 1° 7 higher than in 1887, 3° 0 lower than in 1886, and 0° 6 higher than in 1885.

The mean temperature for the 3 months was 57° 6, being 2° 1 below the average; and there were only 15 instances of as low temperature back to the year 1771, viz.:—

1845 " 56.9 1816 it was 57.1 1786 it was 56.4
 1833 " 57.4 1813 " 57.2 1784 " 57.7
 1829 " 57.0 1812 " 56.8 1782 " 57.1
 1820 " 57.5 1799 " 57.2 1773 " 57.7
 1817 " 56.2 1790 " 57.6 1771 " 56.6

The mean high day temperature of the air for July was 67° 2, being 7° 1 below the average of 47 years; it was 13° 3, 7° 8, and 9° 8 lower than in 1887, 1886, and 1885 respectively. And there were only two instances of so low or lower temperature back to the year 1841, viz.:—

1879 it was 67.2 1841 it was 67.1

The mean high day temperature of the air for August was 69° 4, being 3° 6 below the average of 47 years; it was 6° 0, 4° 4, and 0° 4 lower than in 1887, 1886, and 1885 respectively. And there were only six instances of as low or lower temperature back to the year 1841, viz.:—

1879 it was 69.4 1848 it was 68.9
 1866 " 69.4 1845 " 67.7
 1860 " 67.2 1844 " 67.9

The mean high day temperature of the air for September was 65° 3, being 2° 0 below the average of 47 years; it was 2° 4 higher

The mean low night temperature of the air for July was $51^{\circ}5$, being $1^{\circ}7$ below the average of 47 years; it was $2^{\circ}6$, $1^{\circ}3$, and $1^{\circ}0$ lower than in 1887, 1886, and 1885 respectively. And there were only 11 instances of as low or lower temperature back to the year 1841, viz.:—

| | | |
|---------------------------|---------------------------|---------------------------|
| 1883 it was $51^{\circ}3$ | 1863 it was $49^{\circ}8$ | 1851 it was $51^{\circ}0$ |
| 1875 " $51^{\circ}4$ | 1862 " $50^{\circ}8$ | 1848 " $51^{\circ}2$ |
| 1867 " $50^{\circ}8$ | 1860 " $50^{\circ}1$ | 1841 " $51^{\circ}5$ |
| 1864 " $51^{\circ}2$ | 1854 " $51^{\circ}5$ | |

The mean low night temperature of the air for August was $50^{\circ}9$, being $2^{\circ}2$ below the average of 47 years; it was $0^{\circ}8$ and $2^{\circ}4$ lower than in 1887 and 1886 respectively, and $1^{\circ}1$ higher than in 1885. And there were only five instances of as low or lower temperature back to the year 1841, viz.:—

| | |
|---------------------------|---------------------------|
| 1885 it was $49^{\circ}8$ | 1845 it was $50^{\circ}5$ |
| 1864 " $48^{\circ}5$ | 1844 " $50^{\circ}3$ |
| 1848 " $50^{\circ}4$ | |

| 1888. MONTHS. | Temperature of | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|----------------------------------|---------------|---------------------------------|---------------|---------------------------------|--------------------------|---------------------------------|--|---------------------------------|-------------------|
| | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | Mean. | Diff. from average of 47 years. | Mean. |
| | Mean. | Diff. from average of 117 years. | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | | | |
| July - | $57^{\circ}9$ | $-3^{\circ}8$ | $55^{\circ}2$ | $-2^{\circ}5$ | $52^{\circ}8$ | $-1^{\circ}2$ | $15^{\circ}7$ | $-5^{\circ}3$ | in. $^{\circ}400$ | grs. $^{\circ}018$ | grs. $^{\circ}45$ |
| Aug. - | $59^{\circ}1$ | $-1^{\circ}8$ | $55^{\circ}7$ | $-1^{\circ}7$ | $52^{\circ}7$ | $-1^{\circ}2$ | $18^{\circ}5$ | $-1^{\circ}4$ | $^{\circ}399$ | $^{\circ}019$ | $^{\circ}45$ |
| Sept. - | $55^{\circ}7$ | $-1^{\circ}3$ | $53^{\circ}1$ | $-0^{\circ}8$ | $50^{\circ}7$ | $-0^{\circ}4$ | $17^{\circ}0$ | $-1^{\circ}2$ | $^{\circ}370$ | $^{\circ}009$ | $^{\circ}42$ |
| Means - | $57^{\circ}6$ | $-2^{\circ}1$ | $54^{\circ}7$ | $-1^{\circ}7$ | $52^{\circ}1$ | $-0^{\circ}9$ | $17^{\circ}1$ | $-2^{\circ}6$ | $^{\circ}390$ | $^{\circ}015$ | $^{\circ}44$ |

| 1888. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | | Reading of Thermometer on Grass. | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|--------------------|---------------------------------|---------------------------------------|---------------------------------|----------------------------------|---|----------------------|--------------------------|
| | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Amount. | Diff. from average of 47 years. | Miles. | Diff. from average of 47 years. | At or below 30° . | Between 30° and 40° . | Above 40° . | Lowest Reading at Night. |
| | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Mean. | Diff. from average of 47 years. | Amount. | Diff. from average of 47 years. | Miles. | Diff. from average of 47 years. | At or below 30° . | Between 30° and 40° . | Above 40° . | Lowest Reading at Night. |
| July - | 83 | + 8 | in. $29^{\circ}800$ | in. $^{\circ}197$ | grs. 531 | grs. $+ 1$ | in. $6^{\circ}75$ | in. $+4^{\circ}25$ | 202 | in. $^{\circ}25$ | 0 | 1 | 30 | $39^{\circ}0$ |
| Aug. - | 80 | + 4 | $29^{\circ}832$ | $+0^{\circ}48$ | 531 | + 2 | $3^{\circ}73$ | $+1^{\circ}38$ | 273 | $+1^{\circ}38$ | 0 | 6 | 25 | $38^{\circ}5$ |
| Sept. - | 85 | + 4 | $29^{\circ}968$ | $+1^{\circ}70$ | 538 | + 5 | $0^{\circ}73$ | $-1^{\circ}70$ | 222 | $-1^{\circ}70$ | 0 | 13 | 17 | $30^{\circ}0$ |
| Means - | 83 | + 5 | $29^{\circ}800$ | $+0^{\circ}07$ | 533 | + 3 | Sum $11^{\circ}21$ | Sum $+3^{\circ}93$ | 232 | Mean $^{\circ}23$ | Sum 0 | Sum 20 | Sum 72 | Lowest $30^{\circ}0$ |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (−) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|--------------------|-------|----------------|-------------------------|---------|----------------|-------------------------|------------|----------|-------------------------|
| | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 5 | 3 | + 2 | 3 | 3 | 0 | 6 | 4 | + 2 |
| N. | 3 | 4 | − 1 | 2 | 3 | − 1 | 3 | 6 | − 3 |
| N.E. | 2 | $3\frac{1}{2}$ | − $1\frac{1}{2}$ | 5 | 3 | + 2 | 8 | 2 | + 6 |
| E. | 1 | 2 | − 1 | 0 | $1\frac{1}{2}$ | − $1\frac{1}{2}$ | 1 | 2 | − 1 |
| S.E. | 1 | $1\frac{1}{2}$ | − $\frac{1}{2}$ | 1 | $1\frac{1}{2}$ | − $\frac{1}{2}$ | 0 | 3 | − 3 |
| S. | 2 | 3 | − 1 | 0 | 3 | − 3 | 2 | 8 | − 6 |
| S.W. | 15 | 10 | + 5 | 18 | 12 | + 6 | 9 | 3 | + 6 |
| W. | 2 | 4 | − 2 | 2 | 4 | − 2 | 1 | 2 | − 1 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in July are opposite to S.W. and N.W.; in August to S.W. and N.E.; and in September to N.E., S.W., and N.W.

The sign (−) denotes deficiencies below averages. In July this sign is opposite to W. and N.E.; in August to S.W. and E.; and in September to S., S.E., and N.

The mean low night temperature of the air for September was $48^{\circ}3$, being $0^{\circ}8$ below the average of 47 years; it was $1^{\circ}4$ higher than in 1887, $2^{\circ}0$ lower than in 1886, and $1^{\circ}1$ higher than in 1885.

Therefore the days and nights were very cold in July and August, and of about their average in September.

The mean daily range of temperature in July was $15^{\circ}7$, being $5^{\circ}3$ less than the average of 47 years. And there were only two instances of as small a range back to the year 1841; viz.:—

| | |
|---------------------------|---------------------------|
| 1879 it was $15^{\circ}5$ | 1841 it was $15^{\circ}6$ |
|---------------------------|---------------------------|

The mean daily range of temperature in August was $18^{\circ}5$, being $1^{\circ}4$ smaller than the average, and in September it was $17^{\circ}0$, being $1^{\circ}2$ smaller than the average.

The mean temperature in July was $0^{\circ}4$ colder than in June; in August it was $1^{\circ}2$ warmer than in July; and in September it was $3^{\circ}4$ colder than in August.

(From the preceding 47 years' observations the increase from June to July is $3^{\circ}4$; the decrease from July to August is $0^{\circ}8$; and the decrease from August to September is $4^{\circ}5$.)

From June to July there was an increase of temperature of $1^{\circ}4$ at stations south of 51° ; between 51° and 53° of $1^{\circ}1$; between 53° and 54° of $1^{\circ}4$, and at stations north of this parallel of $0^{\circ}9$.

From July to August there was an increase of $0^{\circ}8$ at stations south of 51° ; between 51° and 54° of $1^{\circ}3$; and at stations north of this parallel of $1^{\circ}6$.

From August to September there was a decrease of $1^{\circ}5$ at stations south of 51° ; between 51° and 53° of $2^{\circ}6$; between 53° and 54° of $3^{\circ}1$; and at stations north of this parallel of $3^{\circ}7$.

The mean reading of the barometer at the height of 159 ft. above the sea level for the month of July was $29^{\circ}600$ ins., being $0^{\circ}197$ in. below the average of 47 years; $0^{\circ}266$ in., $0^{\circ}147$ in., and $0^{\circ}396$ in. lower than in 1887, 1886, and 1885 respectively; and this reading is the lowest in 47 years, the nearest reading to this was in 1861, when it was $29^{\circ}606$ ins.

The mean reading of the barometer for August was $29^{\circ}832$ ins., being $0^{\circ}048$ in. above the average of 47 years; $0^{\circ}025$ in., $0^{\circ}016$ in., and $0^{\circ}036$ in. higher than in 1887, 1886, and 1885 respectively.

The mean reading of the barometer in September was $29^{\circ}968$ ins., being $0^{\circ}170$ in. above the average of 47 years; $0^{\circ}209$ in., $0^{\circ}112$ in., and $0^{\circ}255$ in. higher than in 1887, 1886, and 1885 respectively; and there were only five instances of higher readings back to the year 1841, viz.:—

| | |
|----------------------------------|----------------------------------|
| 1865 it was $30^{\circ}071$ ins. | 1851 it was $30^{\circ}025$ ins. |
| 1855 " $29^{\circ}966$ " | 1843 " $30^{\circ}017$ " |
| 1854 " $30^{\circ}031$ " | |

From June to July there was a decrease of atmospheric pressure at all stations; at those south of 52° of $0^{\circ}15$ in.; between 52° and 53° of $0^{\circ}18$ in.; between 53° and 54° of $0^{\circ}21$ in.; and at stations north of this parallel of $0^{\circ}18$ in.

From July to August there was an increase at all stations; at those south of 54° of $0^{\circ}23$ in.; and at stations north of this parallel of $0^{\circ}25$ in.

From August to September there was an increase at all stations; at those south of 51° of $0^{\circ}13$ in.; between 51° and 52° of $0^{\circ}14$ in.; between 52° and 53° of $0^{\circ}17$ in.; and at stations north of this parallel of $0^{\circ}21$ in.

About London the atmospheric pressure was generally below its average till July 31st, the mean daily deficiency for these 31 days being $0^{\circ}19$ in.; from August 1st to the 19th it was above, the mean daily excess being $0^{\circ}21$ in.; from August 20th to September 7th it was generally below, the mean daily deficiency being $0^{\circ}09$ in.; and from September 8th to the 30th it was generally above, the mean daily excess for these 23 days being $0^{\circ}16$ in.

Thunderstorms occurred in July on the 2nd at Llandudno and Liverpool; on the 3rd at Liverpool and Hull; on the 4th at Bath, Cambridge, Somerleyton, Wolverhampton, and Halifax; on the 5th at Salisbury, Camden Square, Tottenham, Barnet, Oxford, Royston, Somerleyton, and Halifax; on the 6th at Torquay, Salisbury, and Royston; on the 7th at Truro and Salisbury; on the 11th at Llandudno; on the 15th at Plymouth and Torquay; on the 16th at Blackheath, Tottenham, and Halifax; on the 17th at Oxford; on the 18th at Tottenham and Cambridge; on the 22d at Camden Square; on the 23rd at Torquay, Bath, Blackheath, Oxford, Somerleyton, Halifax, and Stonyhurst; on the 24th at Royston, Hull, and Bradford; on the 26th at Somerleyton and Hull; and on the 30th at Salisbury, Blackheath, Tottenham, Oxford, Royston, and Somerleyton.

In August on the 1st at Truro, Plymouth, Royston, Liverpool, and Bradford; on the 2nd at Blackheath, Halifax, and Leeds; on the 15th at Guernsey; on the 21st at Cambridge, and Rugby; on the 22nd at Royston; on the 24th at Liverpool; on the 27th at Torquay, Halifax, Hull, and Stonyhurst; on the 28th at Oxford and Royston; on the 29th at Blackheath, Royston, Rugby, Somerleyton, Hull, and Carlisle; and on the 30th at Blackheath, Camden Square, Royston, Wolverhampton, and Hull.

In September on the 7th at Whitechurch, Oxford, Royston, Rugby, and Wolverhampton; on the 9th at Salisbury and Royston; on the 24th at Torquay and Salisbury; and on the 25th at Torquay.

Thunder was heard but lightning was not seen in July on the 4th at Blackheath, Camden Square, and Royston; on the 5th at Bath, Cambridge, Liverpool, and Stonyhurst; on the 6th at Torquay,

Osborne, Bath, Blackheath, and Cambridge; on the 7th at Torquay and Osborne; on the 8th at Torquay; on the 17th at Torquay, Cambridge, and Liverpool; on the 18th at Blackheath and Camden Square; on the 21st at Carlisle; on the 22nd at Osborne, Oxford, Royston, and Carlisle; on the 23rd at Cambridge; Liverpool, and Bradford; on the 24th at Halifax; on the 25th at Hull, Stonyhurst, and Carlisle; on the 26th at Torquay, Cambridge, Halifax, and Carlisle; and on the 30th at Bath and Cambridge.

In August on the 1st at Torquay and Cambridge; on the 6th at Halifax; on the 7th and 8th at Carlisle; on the 15th at Osborne; on the 21st at Royston; on the 24th at Cambridge; on the 25th at Salisbury, Cambridge, and Liverpool; on the 28th at Stonyhurst; on the 29th at Cambridge; on the 30th at Royston and Cambridge; and on the 31st at Royston.

In September on the 2nd and 3rd at Cambridge; on the 7th at Bath and Stonyhurst; on the 9th at Cambridge; on the 10th at Royston; on the 24th at Somerleyton; and on the 29th at Bath.

Lightning was seen but thunder was not heard in July on the 5th at Cambridge; on the 10th at Liverpool; on the 13th at Oxford; on the 14th at Liverpool; and on the 22nd at Royston.

In August on the 1st at Royston and Cambridge; on the 2nd, 3rd, and 5th at Halifax; on the 9th at Torquay, Bath, and Oxford; on the 12th at Halifax; on the 22nd at Plymouth; on the 25th at Liverpool; on the 28th at Osborne, Bath, and Cambridge; on the 29th at Cambridge and Liverpool; and on the 31st at Blackheath, Oxford, and Cambridge.

In September on the 6th at Liverpool; on the 9th at Torquay, Osborne, Camden Square, Oxford, and Cambridge; on the 24th at Somerleyton; and on the 26th at Torquay.

Solar halos were seen in July on the 4th at Torquay; on the 5th at Oxford; on the 10th and 13th at Torquay; on the 14th at Oxford; on the 20th at Torquay; on the 21st at Oxford; and on the 22nd and 25th at Halifax.

In August on the 2nd at Liverpool; on the 3rd at Torquay, Oxford, Liverpool, and Stonyhurst; on the 7th at Liverpool; on the 9th at Oxford and Liverpool; on the 10th at Liverpool; on the 15th at Oxford; on the 18th at Torquay; on the 19th at Halifax; on the 23rd at Torquay; on the 27th at Oxford; and on the 29th at Torquay and Oxford.

In September on the 11th at Halifax; on the 12th at Oxford; on the 15th at Torquay and Oxford; and on the 27th at Osborne and Oxford.

Lunar halos were seen in July on the 20th at Torquay; and on the 27th at Oxford.

In August on the 4th at Torquay; on the 18th at Torquay and Bath; and on the 22nd at Oxford and Liverpool.

In September on the 15th at Guernsey.

Snow fell in July on the 11th at Oxford.

Hail fell in July on the 4th at Bath and Cambridge; on the 5th at Royston; on the 6th at Torquay; on the 10th at Bath and Hull; on the 23rd and 24th at Stonyhurst; and on the 30th at Oxford.

In August on the 1st at Stonyhurst; on the 28th at Oxford; on the 29th at Bath and Royston; on the 30th at Royston; and on the 31st at Leeds.

In September on the 6th at Halifax; on the 7th at Wolverhampton; and on the 30th at Llandudno.

Fog prevailed in July on the 6th at Torquay; on the 7th at Guernsey and Torquay; on the 8th and 9th at Guernsey; on the 15th at Torquay and Bath; on the 16th at Torquay, Bath, and Wolverhampton; on the 17th at Guernsey, Torquay, Bath, and Cambridge; on the 19th at Guernsey; on the 20th at Guernsey, Torquay, and Ventnor; and on the 24th and 26th at Torquay.

In August on the 7th at Torquay; on the 8th at Plymouth and Torquay; on the 9th at Torquay and Wolverhampton; on the 10th at Wolverhampton; on the 12th at Torquay and Bath; and on the 20th at Torquay.

In September on the 2nd at Guernsey and Plymouth; on the 3rd at Guernsey, Bath, Cambridge, Wolverhampton, and Stonyhurst; on the 4th at Plymouth; on the 10th at Plymouth, Salisbury, Bath, and Blackheath; on the 11th and 12th at Plymouth and Salisbury; on the 13th at Plymouth, Salisbury, Bath, Blackheath, Camden Square, Lowestoft, and Wolverhampton; on the 14th at Bath and Rugby; on the 15th at Torquay, Salisbury, Blackheath, Oxford, Royston, Rugby, and Wolverhampton; on the 17th at Oxford; on the 18th at Bath, Rugby, Wolverhampton, Stonyhurst, and Carlisle; on the 19th at Carlisle; on the 20th at Bath, Royston, Cambridge, and Carlisle; on the 21st at Royston and Carlisle; on the 22nd at Bath, Royston, Cambridge, Llandudno, Liverpool, and Carlisle; on the 23rd at Plymouth, Torquay, Bath, Blackheath, Oxford, Cambridge, Rugby, Lowestoft, Liverpool, Halifax, Stonyhurst, and Carlisle; on the 24th at Guernsey, Plymouth, Torquay, and in the Midland Counties; on the 25th at Blackheath; on the 28th at Plymouth, Torquay, Wolverhampton, and Stonyhurst; and on the 29th at Plymouth, Torquay, and Salisbury.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING SEPTEMBER 30TH, 1888.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| METEOROLOGICAL TABLE, QUARTER ENDING SEPTEMBER 30TH, 1888. | | | | | | | | | | | | | | | | | 21 | | | | | | | | |
|--|---------|------------------------------------|----------------------------------|--------|----------|---------|------------------------------|-----------------|----------------|-------|-------------------|---------|------------------------------|-------------------|-------|----------------------|---------------------|-----|-----|-----|-----|-----------------------|-------------------------|-------------------|------|
| Year 1888. | Months. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean Temperature. | Vapour. | Mean Reading of Thermometer. | | Wind. | Mean Amount of Rain. | | | | | | | | | |
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Mean. | | | Maximum in Rays of Sun. | Minimum on Grass. | | | Estimated Strength. | N. | E. | S. | W. | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | |
| | | feet. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | | | | |
| | July | 29.541 | 0.725 | 65.7 | 47.1 | 82.5 | 69.3 | 31.7 | 14.5 | 57.9 | 55.3 | 43.7 | 5.0 | 85 | 329 | 108.8 | 46.8 | 1.0 | 6 | 5 | 8 | 10 | 7.6 | 20 | 3.68 |
| | Aug. | 29.739 | 0.723 | 70.3 | 47.1 | 82.5 | 69.3 | 31.7 | 14.5 | 57.9 | 55.3 | 43.7 | 5.0 | 88 | 322 | 114.6 | 45.7 | 1.5 | 8 | 5 | 8 | 10 | 7.4 | 27 | 7.74 |
| | Sept. | 29.813 | 0.712 | 76.0 | 47.1 | 84.6 | 65.6 | 33.5 | 16.1 | 56.1 | 54.4 | 43.1 | 4.7 | 84 | 327 | 115.5 | 44.9 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.60 |
| | July | 29.645 | 0.738 | 72.0 | 48.0 | 69.8 | 33.5 | 16.1 | 56.1 | 54.4 | 43.1 | 4.7 | 84 | 327 | 115.5 | 44.9 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.60 | |
| | Aug. | 29.868 | 0.726 | 72.0 | 48.0 | 69.8 | 33.5 | 16.1 | 56.1 | 54.4 | 43.1 | 4.7 | 84 | 327 | 115.5 | 44.9 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.60 | |
| | Sept. | 29.912 | 0.633 | 73.0 | 48.0 | 69.8 | 33.5 | 16.1 | 56.1 | 54.4 | 43.1 | 4.7 | 84 | 327 | 115.5 | 44.9 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.60 | |
| | July | 29.701 | 0.836 | 71.0 | 47.2 | 83.7 | 68.3 | 31.5 | 14.5 | 57.9 | 55.3 | 43.7 | 5.0 | 85 | 329 | 108.8 | 46.8 | 1.0 | 6 | 5 | 8 | 10 | 7.6 | 20 | 3.68 |
| | Aug. | 29.930 | 0.783 | 72.0 | 47.2 | 83.7 | 68.3 | 31.5 | 14.5 | 57.9 | 55.3 | 43.7 | 5.0 | 88 | 322 | 114.6 | 45.7 | 1.5 | 8 | 5 | 8 | 10 | 7.4 | 27 | 7.74 |
| | Sept. | 29.982 | 0.812 | 69.2 | 41.5 | 87.7 | 63.8 | 30.4 | 13.4 | 56.4 | 50.6 | 36.9 | 4.1 | 76 | 311 | 125.9 | 48.3 | 1.2 | 5 | 6 | 9 | 12 | 5.9 | 10.2 | 1.61 |
| | July | 29.417 | 0.835 | 69.6 | 41.5 | 87.7 | 63.8 | 30.4 | 13.4 | 56.4 | 50.6 | 36.9 | 4.1 | 76 | 311 | 125.9 | 48.3 | 1.2 | 5 | 6 | 9 | 12 | 5.9 | 10.2 | 1.61 |
| | Aug. | 29.707 | 0.763 | 73.0 | 47.2 | 83.7 | 68.3 | 31.5 | 14.5 | 57.9 | 55.3 | 43.7 | 5.0 | 85 | 329 | 108.8 | 46.8 | 1.0 | 6 | 5 | 8 | 10 | 7.6 | 20 | 3.68 |
| | Sept. | 29.833 | 0.823 | 66.6 | 39.3 | 87.1 | 61.7 | 49.9 | 11.8 | 54.5 | 50.5 | 36.6 | 4.1 | 79 | 324 | 130.3 | 44.7 | 1.1 | 8 | 9 | 6 | 7 | 4 | 20 | 4.21 |
| | July | 29.674 | 0.724 | 69.4 | 42.8 | 80.6 | 69.0 | 33.5 | 16.1 | 56.1 | 54.4 | 43.1 | 4.7 | 84 | 327 | 115.5 | 44.9 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.60 |
| | Aug. | 29.914 | 0.711 | 74.0 | 40.1 | 85.0 | 65.6 | 33.5 | 16.1 | 56.1 | 54.4 | 43.1 | 4.7 | 84 | 327 | 115.5 | 44.9 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.60 |
| | Sept. | 29.948 | 0.729 | 70.5 | 43.4 | 82.1 | 64.0 | 33.3 | 13.7 | 57.2 | 50.2 | 34.5 | 4.1 | 78 | 308 | 121.5 | 46.2 | 0.7 | 8 | 10 | 5 | 6 | 9 | 16 | 2.33 |
| | July | 29.612 | 0.738 | 74.3 | 42.1 | 82.2 | 69.3 | 31.7 | 14.5 | 57.9 | 55.3 | 43.7 | 5.0 | 85 | 329 | 108.8 | 46.8 | 1.0 | 6 | 5 | 8 | 10 | 7.6 | 20 | 3.68 |
| | Aug. | 29.848 | 0.645 | 82.2 | 46.3 | 83.7 | 69.3 | 31.7 | 14.5 | 57.9 | 55.3 | 43.7 | 5.0 | 88 | 322 | 114.6 | 45.7 | 1.5 | 8 | 5 | 8 | 10 | 7.4 | 27 | 7.74 |
| | Sept. | 29.965 | 0.764 | 76.1 | 41.5 | 83.5 | 69.2 | 30.1 | 16.1 | 56.5 | 54.2 | 42.1 | 4.7 | 82 | 337 | 107.5 | 42.7 | 0.5 | 10 | 8 | 5 | 6 | 9 | 18 | 4.02 |
| | July | 29.555 | 0.722 | 74.0 | 38.0 | 89.0 | 68.1 | 49.0 | 19.1 | 54.8 | 49.0 | 47.0 | 0.5 | 91 | 329 | 111.1 | 42.9 | 1.4 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Aug. | 29.801 | 0.720 | 80.0 | 39.0 | 84.0 | 69.0 | 41.0 | 16.5 | 54.6 | 49.0 | 47.0 | 0.7 | 86 | 332 | 112.9 | 42.9 | 1.2 | 10 | 7 | 5 | 8 | 10 | 16 | 1.65 |
| | Sept. | 29.938 | 0.888 | 75.0 | 35.0 | 84.0 | 69.0 | 41.0 | 16.5 | 54.6 | 49.0 | 47.0 | 0.8 | 87 | 338 | 103.3 | 42.9 | 1.0 | 10 | 7 | 5 | 8 | 10 | 16 | 1.65 |
| | July | 29.998 | 0.750 | 41.0 | 28.0 | 64.8 | 57.8 | 12.0 | 57.1 | 53.3 | 48.5 | 45.5 | 0.7 | 87 | 337 | 103.3 | 42.9 | 1.4 | 8 | 5 | 8 | 10 | 11 | 22 | 3.94 |
| | Aug. | 29.934 | 0.730 | 74.0 | 41.0 | 85.0 | 65.1 | 42.1 | 16.5 | 54.6 | 49.0 | 47.0 | 0.9 | 84 | 340 | 104.4 | 42.9 | 1.2 | 5 | 6 | 9 | 11 | 15 | 4.53 | |
| | Sept. | 30.361 | 0.740 | 74.0 | 38.0 | 83.0 | 65.2 | 45.5 | 14.7 | 53.8 | 51.0 | 37.5 | 4.2 | 85 | 345 | 104.4 | 42.9 | 1.0 | 6 | 11 | 7 | 6 | 3 | 1 | 1.25 |
| | July | 29.725 | 0.737 | 69.2 | 39.5 | 89.6 | 65.7 | 49.8 | 14.9 | 53.8 | 52.3 | 38.3 | 4.4 | 86 | 348 | 114.6 | 43.7 | 1.5 | 8 | 5 | 8 | 10 | 7.4 | 27 | 7.74 |
| | Aug. | 29.852 | 0.748 | 76.4 | 41.8 | 81.6 | 64.0 | 50.9 | 13.1 | 56.1 | 51.4 | 38.1 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Sept. | 29.945 | 0.832 | 68.5 | 39.2 | 89.6 | 65.7 | 49.8 | 14.9 | 53.8 | 52.3 | 38.3 | 4.4 | 86 | 348 | 114.6 | 43.7 | 1.5 | 8 | 5 | 8 | 10 | 7.4 | 27 | 7.74 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | 29.985 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | July | 29.600 | 0.689 | 73.7 | 40.0 | 83.7 | 67.7 | 49.6 | 17.9 | 57.2 | 51.0 | 37.5 | 4.4 | 87 | 352 | 115.5 | 43.7 | 1.0 | 10 | 7 | 5 | 8 | 11 | 14 | 2.46 |
| | Aug. | 29.888 | 0.617 | 82.2 | 43.4 | 88.4 | 68.4 | 49.2 | 19.2 | 58.2 | 51.3 | 38.6 | 4.3 | 89 | 354 | 104.4 | 42.9 | 1.3 | 6 | 5 | 9 | 11 | 8 | 29 | 5.88 |
| | Sept. | | | | | | | | | | | | | | | | | | | | | | | | |

| Names of Stations and Observers. | Height of Station above Sea Level. | Year 1888. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Rain. | | |
|--|------------------------------------|-----------------------|----------------------------------|-------------------------|----------------------|------------------------------|----------------------|----------------------|----------------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|-------------------|-------------------------|----------------------|--------------------------|
| | | | Mean. | Range. | In. | Lowest. | Range. | Highest. | Mean. | All Highest. | All Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | In a Cubic foot of Air. | Short of Saturation. | Mean Degree of Humidity. |
| | | | | | | | | | | | | | | | | | | |
| BLACKHEATH (Kent), JAMES GLAUBER, Esq., F.R.S. | 126 | July Aug. Sept. | 29.605 29.838 29.938 | 0.654 0.656 0.757 | 75.0 80.0 81.0 | 45.0 45.0 45.0 | 35.0 35.0 35.0 | 75.0 80.0 81.0 | 29.605 29.838 29.938 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F. K. Met. Soc. | 123 | July Aug. Sept. | 29.647 29.883 29.983 | 0.658 0.817 0.937 | 73.7 83.7 87.7 | 43.7 43.7 43.7 | 33.7 33.7 33.7 | 73.7 83.7 87.7 | 29.647 29.883 29.983 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| TOTTENHAM, J. E. WORTH, C.E., Roy. Met. Soc. | 47 | July Aug. Sept. | 29.714 29.954 29.954 | 0.660 0.816 0.937 | 70.4 80.4 81.0 | 43.7 43.7 43.7 | 33.7 33.7 33.7 | 70.4 80.4 81.0 | 29.714 29.954 29.954 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 212 | July Aug. Sept. | 29.581 29.811 29.911 | 0.687 0.819 0.944 | 74.9 84.9 87.7 | 44.9 44.9 44.9 | 34.9 34.9 34.9 | 74.9 84.9 87.7 | 29.581 29.811 29.911 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 212 | July Aug. Sept. | 29.541 29.780 29.880 | 0.732 0.862 0.902 | 71.3 81.3 84.0 | 41.3 41.3 41.3 | 31.3 31.3 31.3 | 71.3 81.3 84.0 | 29.541 29.780 29.880 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| ROYSTON (Hertfordshire), H. W. L. GLAUBER, Esq., M.A., F. K. Met. Soc. | 201 | July Aug. Sept. | 29.719 29.959 29.959 | 0.688 0.818 0.944 | 73.8 83.8 87.7 | 43.8 43.8 43.8 | 33.8 33.8 33.8 | 73.8 83.8 87.7 | 29.719 29.959 29.959 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| CAMBRIDGE (Trinity College), J. W. L. GLAUBER, Esq., M.A., F. K. S. | 40 | July Aug. Sept. | 29.541 29.780 29.880 | 0.732 0.862 0.902 | 71.3 81.3 84.0 | 41.3 41.3 41.3 | 31.3 31.3 31.3 | 71.3 81.3 84.0 | 29.541 29.780 29.880 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| RUGBY (Warwickshire), S. W. L. GLAUBER, Esq., M.A., Rev. W. LUCKWILL. | 289 | July Aug. Sept. | 29.688 29.928 29.928 | 0.770 0.900 1.000 | 73.8 83.8 87.7 | 43.8 43.8 43.8 | 33.8 33.8 33.8 | 73.8 83.8 87.7 | 29.688 29.928 29.928 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| LOWESTOFT (Suffolk), H. MILLER, Esq., F.R.A.S., F. K. Met. Soc. | 89 | July Aug. Sept. | 29.555 29.795 29.895 | 0.804 0.934 1.034 | 71.1 81.1 84.0 | 41.1 41.1 41.1 | 31.1 31.1 31.1 | 71.1 81.1 84.0 | 29.555 29.795 29.895 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F.R. Met. Soc. | 60 | July Aug. Sept. | 29.694 29.934 29.934 | 0.828 0.958 1.058 | 70.5 80.5 84.0 | 40.5 40.5 40.5 | 30.5 30.5 30.5 | 70.5 80.5 84.0 | 29.694 29.934 29.934 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| WOLVERHAMPTON (Staffordshire), The Rectory, E. SIMPSON, Esq. | 600 | July Aug. Sept. | 29.254 29.494 29.594 | 0.634 0.764 0.864 | 73.2 83.2 87.7 | 43.2 43.2 43.2 | 33.2 33.2 33.2 | 73.2 83.2 87.7 | 29.254 29.494 29.594 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |

| Names of Stations and Observers. | Height of Station above Sea Level. | Year 1888. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Rain. | | |
|---|------------------------------------|-----------------------|----------------------------------|-------------------------|----------------------|------------------------------|----------------------|----------------------|----------------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|-------------------|-------------------------|----------------------|--------------------------|
| | | | Mean. | Range. | In. | Lowest. | Range. | Highest. | Mean. | All Highest. | All Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | In a Cubic foot of Air. | Short of Saturation. | Mean Degree of Humidity. |
| | | | | | | | | | | | | | | | | | | |
| NOTTINGHAM (Notts), ARTHUR BROWN, Esq., C.E., and B. A. WHITEHEAD, Esq., M.D. | 122 | July Aug. Sept. | 29.597 29.837 29.937 | 0.700 0.830 0.930 | 70.1 80.1 84.0 | 40.1 40.1 40.1 | 30.1 30.1 30.1 | 70.1 80.1 84.0 | 29.597 29.837 29.937 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | 100 | July Aug. Sept. | 29.619 29.859 29.959 | 0.880 0.980 1.080 | 67.0 77.0 81.0 | 43.0 43.0 43.0 | 33.0 33.0 33.0 | 67.0 77.0 81.0 | 29.619 29.859 29.959 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 197 | July Aug. Sept. | 29.517 29.757 29.857 | 0.745 0.875 0.975 | 68.6 78.6 82.0 | 44.6 44.6 44.6 | 34.6 34.6 34.6 | 68.6 78.6 82.0 | 29.517 29.757 29.857 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| HALIFAX, Barmeside Observatory (Yorkshire), E. CROSLAND, Esq., F.R.A.S. | 530 | July Aug. Sept. | 29.455 29.695 29.795 | 0.773 0.903 1.003 | 71.0 81.0 84.0 | 41.0 41.0 41.0 | 31.0 31.0 31.0 | 71.0 81.0 84.0 | 29.455 29.695 29.795 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| HULL (Yorkshire), The People's Park, MR. E. FEAR. | 6 | July Aug. Sept. | 29.143 29.383 29.483 | 0.963 1.093 1.193 | 69.0 79.0 82.0 | 45.0 45.0 45.0 | 35.0 35.0 35.0 | 69.0 79.0 82.0 | 29.143 29.383 29.483 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| BRADFORD (Yorkshire), J. MCLENDON, Esq., C.E., F.G.S. | 361 | July Aug. Sept. | 29.589 29.829 29.929 | 0.753 0.883 0.983 | 70.2 80.2 84.0 | 40.2 40.2 40.2 | 30.2 30.2 30.2 | 70.2 80.2 84.0 | 29.589 29.829 29.929 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| LEEDS (Yorkshire), The Philosophical Hall, WM. EAGLE CLARK, Esq. | 137 | July Aug. Sept. | 29.560 29.800 29.900 | 0.748 0.878 0.978 | 70.0 80.0 84.0 | 40.0 40.0 40.0 | 30.0 30.0 30.0 | 70.0 80.0 84.0 | 29.560 29.800 29.900 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| STONYHURST (Lancashire), REV. S. J. PEARCE, F.R.S., F. K. Met. Soc., F.R.A.S. | 263 | July Aug. Sept. | 29.333 29.573 29.673 | 0.875 0.975 1.075 | 74.2 84.2 87.7 | 44.2 44.2 44.2 | 34.2 34.2 34.2 | 74.2 84.2 87.7 | 29.333 29.573 29.673 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |
| CARLISLE, Spital (Cumberland), ISAAC CANNELL, Esq., F. R. Met. Soc. | 114 | July Aug. Sept. | 29.728 29.968 29.968 | 0.704 0.834 0.934 | 77.6 87.6 91.0 | 47.6 47.6 47.6 | 37.6 37.6 37.6 | 77.6 87.6 91.0 | 29.728 29.968 29.968 | 47.4 47.4 47.4 | 47.4 47.4 47.4 | 17.0 17.0 17.0 | 57.0 57.0 57.0 | 57.0 57.0 57.0 | 417 417 417 | 4.6 4.6 4.6 | 0.6 0.6 0.6 | 89 84 84 |

Total in Quarter.

August.

September.

Total in Quarter.

Second Rain-gauges are placed—

At The Cemetery, Eastbourne, at the height of

1 " "

22 " "

45 " "

"

"

"

"

"

"

"

"

"

"

"

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | |
|--------------------|---|------|------|------|------|------|------|------|------|------|---|------|------|-------|------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|------|---|
| | Mean of all Highest. | | | | | | | | | | Mean of all Highest. | | | | | | | | | | Mean of all Highest. | | | | | | | | | | Mean of all Highest. | | | | | | | | | | |
| | Mean of all Lowest. | | | | | | | | | | Mean of all Lowest. | | | | | | | | | | Mean of all Lowest. | | | | | | | | | | Mean of all Lowest. | | | | | | | | | | |
| | in. | ° | ′ | ″ | ° | ′ | ″ | ° | ′ | ″ | in. | ° | ′ | ″ | ° | ′ | ″ | ° | ′ | ″ | in. | ° | ′ | ″ | ° | ′ | ″ | ° | ′ | ″ | in. | ° | ′ | ″ | ° | ′ | ″ | in. | ° | ′ | ″ |
| Guernsey | 29.595 | 76.3 | 41.3 | 35.0 | 33.0 | 53.1 | 29.2 | 9.9 | 57.0 | 52.9 | 29.595 | 76.3 | 41.3 | 35.0 | 33.0 | 53.1 | 29.2 | 9.9 | 57.0 | 52.9 | 29.595 | 76.3 | 41.3 | 35.0 | 33.0 | 53.1 | 29.2 | 9.9 | 57.0 | 52.9 | 29.595 | 76.3 | 41.3 | 35.0 | 33.0 | 53.1 | 29.2 | 9.9 | 57.0 | 52.9 | |
| Truro | 29.535 | 73.0 | 36.0 | 37.0 | 32.3 | 15.0 | 57.2 | 50.2 | 33.3 | 4.1 | 1.1 | 7.7 | 53.4 | 115.8 | 48.6 | 1.4 | 8 | 6 | 7 | 10 | 3.4 | 5.9 | 50 | 7.28 | | | | | | | | | | | | | | | | | |
| Plymouth | 29.576 | 72.0 | 41.5 | 30.5 | 34.8 | 52.8 | 25.5 | 12.0 | 57.7 | 52.9 | 29.576 | 72.0 | 41.5 | 30.5 | 34.8 | 52.8 | 25.5 | 12.0 | 57.7 | 52.9 | 29.576 | 72.0 | 41.5 | 30.5 | 34.8 | 52.8 | 25.5 | 12.0 | 57.7 | 52.9 | 29.576 | 72.0 | 41.5 | 30.5 | 34.8 | 52.8 | 25.5 | 12.0 | 57.7 | 52.9 | |
| Torquay | 29.609 | 75.0 | 39.5 | 35.5 | 33.0 | 51.2 | 27.9 | 11.8 | 56.3 | 51.6 | 29.609 | 75.0 | 39.5 | 35.5 | 33.0 | 51.2 | 27.9 | 11.8 | 56.3 | 51.6 | 29.609 | 75.0 | 39.5 | 35.5 | 33.0 | 51.2 | 27.9 | 11.8 | 56.3 | 51.6 | 29.609 | 75.0 | 39.5 | 35.5 | 33.0 | 51.2 | 27.9 | 11.8 | 56.3 | 51.6 | |
| Ventnor | 29.573 | 74.0 | 42.8 | 31.2 | 33.8 | 53.5 | 26.6 | 10.2 | 57.1 | 52.1 | 29.573 | 74.0 | 42.8 | 31.2 | 33.8 | 53.5 | 26.6 | 10.2 | 57.1 | 52.1 | 29.573 | 74.0 | 42.8 | 31.2 | 33.8 | 53.5 | 26.6 | 10.2 | 57.1 | 52.1 | 29.573 | 74.0 | 42.8 | 31.2 | 33.8 | 53.5 | 26.6 | 10.2 | 57.1 | 52.1 | |
| Eastbourne | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | |
| Osborne | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | |
| Salisbury | 29.564 | 70.0 | 35.0 | 45.0 | 32.0 | 47.2 | 39.0 | 21.0 | 58.7 | 52.9 | 29.564 | 70.0 | 35.0 | 45.0 | 32.0 | 47.2 | 39.0 | 21.0 | 58.7 | 52.9 | 29.564 | 70.0 | 35.0 | 45.0 | 32.0 | 47.2 | 39.0 | 21.0 | 58.7 | 52.9 | 29.564 | 70.0 | 35.0 | 45.0 | 32.0 | 47.2 | 39.0 | 21.0 | 58.7 | 52.9 | |
| Barnstaple | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | 29.567 | 72.2 | 42.1 | 40.1 | 36.7 | 51.3 | 33.9 | 15.4 | 57.2 | 54.4 | |
| Bath | 29.597 | 76.4 | 39.2 | 37.2 | 33.7 | 49.6 | 30.2 | 14.1 | 55.1 | 50.8 | 29.597 | 76.4 | 39.2 | 37.2 | 33.7 | 49.6 | 30.2 | 14.1 | 55.1 | 50.8 | 29.597 | 76.4 | 39.2 | 37.2 | 33.7 | 49.6 | 30.2 | 14.1 | 55.1 | 50.8 | 29.597 | 76.4 | 39.2 | 37.2 | 33.7 | 49.6 | 30.2 | 14.1 | 55.1 | 50.8 | |
| Whitechurch | 29.599 | 87.7 | 38.5 | 49.2 | 37.3 | 50.2 | 36.4 | 17.1 | 57.6 | 52.1 | 29.599 | 87.7 | 38.5 | 49.2 | 37.3 | 50.2 | 36.4 | 17.1 | 57.6 | 52.1 | 29.599 | 87.7 | 38.5 | 49.2 | 37.3 | 50.2 | 36.4 | 17.1 | 57.6 | 52.1 | 29.599 | 87.7 | 38.5 | 49.2 | 37.3 | 50.2 | 36.4 | 17.1 | 57.6 | 52.1 | |
| Royal Observatory | 29.563 | 86.0 | 40.2 | 45.8 | 36.4 | 49.6 | 35.6 | 16.8 | 56.6 | 52.8 | 29.563 | 86.0 | 40.2 | 45.8 | 36.4 | 49.6 | 35.6 | 16.8 | 56.6 | 52.8 | 29.563 | 86.0 | 40.2 | 45.8 | 36.4 | 49.6 | 35.6 | 16.8 | 56.6 | 52.8 | 29.563 | 86.0 | 40.2 | 45.8 | 36.4 | 49.6 | 35.6 | 16.8 | 56.6 | 52.8 | |
| Blackheath | 29.599 | 84.6 | 41.4 | 42.2 | 37.2 | 51.5 | 33.6 | 15.7 | 57.8 | 51.6 | 29.599 | 84.6 | 41.4 | 42.2 | 37.2 | 51.5 | 33.6 | 15.7 | 57.8 | 51.6 | 29.599 | 84.6 | 41.4 | 42.2 | 37.2 | 51.5 | 33.6 | 15.7 | 57.8 | 51.6 | 29.599 | 84.6 | 41.4 | 42.2 | 37.2 | 51.5 | 33.6 | 15.7 | 57.8 | 51.6 | |
| Camden Square | 29.565 | 83.6 | 42.0 | 42.6 | 35.5 | 51.4 | 32.8 | 14.6 | 57.7 | 53.2 | 29.565 | 83.6 | 42.0 | 42.6 | 35.5 | 51.4 | 32.8 | 14.6 | 57.7 | 53.2 | 29.565 | 83.6 | 42.0 | 42.6 | 35.5 | 51.4 | 32.8 | 14.6 | 57.7 | 53.2 | 29.565 | 83.6 | 42.0 | 42.6 | 35.5 | 51.4 | 32.8 | 14.6 | 57.7 | 53.2 | |
| Tottenham | 29.625 | 85.1 | 42.2 | 45.2 | 42.4 | 49.0 | 36.3 | 15.0 | 56.3 | 53.4 | 29.625 | 85.1 | 42.2 | 45.2 | 42.4 | 49.0 | 36.3 | 15.0 | 56.3 | 53.4 | 29.625 | 85.1 | 42.2 | 45.2 | 42.4 | 49.0 | 36.3 | 15.0 | 56.3 | 53.4 | 29.625 | 85.1 | 42.2 | 45.2 | 42.4 | 49.0 | 36.3 | 15.0 | 56.3 | 53.4 | |
| Barnet | 29.589 | 80.4 | 40.2 | 40.2 | 45.0 | 50.4 | 33.5 | 14.6 | 57.1 | 51.9 | 29.589 | 80.4 | 40.2 | 40.2 | 45.0 | 50.4 | 33.5 | 14.6 | 57.1 | 51.9 | 29.589 | 80.4 | 40.2 | 40.2 | 45.0 | 50.4 | 33.5 | 14.6 | 57.1 | 51.9 | 29.589 | 80.4 | 40.2 | 40.2 | 45.0 | 50.4 | 33.5 | 14.6 | 57.1 | 51.9 | |
| Oxford | 29.568 | 86.5 | 39.1 | 47.4 | 37.4 | 49.7 | 35.5 | 17.7 | 56.2 | 52.3 | 29.568 | 86.5 | 39.1 | 47.4 | 37.4 | 49.7 | 35.5 | 17.7 | 56.2 | 52.3 | 29.568 | 86.5 | 39.1 | 47.4 | 37.4 | 49.7 | 35.5 | 17.7 | 56.2 | 52.3 | 29.568 | 86.5 | 39.1 | 47.4 | 37.4 | 49.7 | 35.5 | 17.7 | 56.2 | 52.3 | |
| Royston | 29.578 | 86.5 | 38.0 | 48.5 | 38.1 | 49.7 | 35.5 | 18.8 | 57.3 | 53.8 | 29.578 | 86.5 | 38.0 | 48.5 | 38.1 | 49.7 | 35.5 | 18.8 | 57.3 | 53.8 | 29.578 | 86.5 | 38.0 | 48.5 | 38.1 | 49.7 | 35.5 | 18.8 | 57.3 | 53.8 | 29.578 | 86.5 | 38.0 | 48.5 | 38.1 | 49.7 | 35.5 | 18.8 | 57.3 | 53.8 | |
| Cambridge | 29.576 | 77.8 | 37.0 | 40.8 | 36.1 | 47.5 | 32.4 | 13.6 | 55.9 | 50.1 | 29.576 | 77.8 | 37.0 | 40.8 | 36.1 | 47.5 | 32.4 | 13.6 | 55.9 | 50.1 | 29.576 | 77.8 | 37.0 | 40.8 | 36.1 | 47.5 | 32.4 | 13.6 | 55.9 | 50.1 | 29.576 | 77.8 | 37.0 | 40.8 | 36.1 | 47.5 | 32.4 | 13.6 | 55.9 | 50.1 | |
| Rugby | 29.534 | 82.0 | 39.0 | 43.0 | 44.3 | 35.0 | 35.7 | 14.1 | 55.9 | 51.2 | 29.534 | 82.0 | 39.0 | 43.0 | 44.3 | 35.0 | 35.7 | 14.1 | 55.9 | 51.2 | 29.534 | 82.0 | 39.0 | 43.0 | 44.3 | 35.0 | 35.7 | 14.1 | 55.9 | 51.2 | 29.534 | 82.0 | 39.0 | 43.0 | 44.3 | 35.0 | 35.7 | 14.1 | 55.9 | 51.2 | |
| Somerleyton | 29.624 | 80.3 | 36.0 | 44.3 | 33.0 | 47.2 | 36.0 | 15.8 | 53.8 | 48.3 | 29.624 | 80.3 | 36.0 | 44.3 | 33.0 | 47.2 | 36.0 | 15.8 | 53.8 | 48.3 | 29.624 | 80.3 | 36.0 | 44.3 | 33.0 | 47.2 | 36.0 | 15.8 | 53.8 | 48.3 | 29.624 | 80.3 | 36.0 | 44.3 | 33.0 | 47.2 | 36.0 | 15.8 | 53.8 | 48.3 | |
| Wolverhampton | 29.511 | 82.6 | 36.5 | 46.1 | 33.3 | 48.8 | 33.9 | 14.5 | 54.8 | 48.3 | 29.511 | 82.6 | 36.5 | 46.1 | 33.3 | 48.8 | 33.9 | 14.5 | 54.8 | 48.3 | 29.511 | 82.6 | 36.5 | 46.1 | 33.3 | 48.8 | 33.9 | 14.5 | 54.8 | 48.3 | 29.511 | 82.6 | 36.5 | 46.1 | 33.3 | 48.8 | 33.9 | 14.5 | 54.8 | 48.3 | |
| Nottingham | 29.633 | 70.1 | 40.0 | 39.0 | 32.0 | 50.9 | 36.8 | 11.2 | 55.7 | 49.1 | 29.633 | 70.1 | 40.0 | 39.0 | 32.0 | 50.9 | 36.8 | 11.2 | 55.7 | 49.1 | 29.633 | 70.1 | 40.0 | 39.0 | 32.0 | 50.9 | 36.8 | 11.2 | 55.7 | 49.1 | 29.633 | 70.1 | 40.0 | 39.0 | 32.0 | 50.9 | 36.8 | 11.2 | 55.7 | 49.1 | |
| Llandudno | 29.597 | 74.7 | 41.7 | 33.0 | 42.2 | 51.1 | 23.9 | 11.1 | 55.1 | 48.9 | 29.597 | 74.7 | 41.7 | 33.0 | 42.2 | 51.1 | 23.9 | 11.1 | 55.1 | 48.9 | 29.597 | 74.7 | 41.7 | 33.0 | 42.2 | 51.1 | 23.9 | 11.1 | 55.1 | 48.9 | 29.597 | 74.7 | 41.7 | 33.0 | 42.2 | 51.1 | 23.9 | 11.1 | 55.1 | 48.9 | |
| Liverpool | 29.608 | 74.5 | 36.0 | 38.5 | 31.9 | 47.2 | 32.7 | 14.7 | 53.8 | 48.1 | 29.608 | 74.5 | 36.0 | 38.5 | 31.9 | 47.2 | 32.7 | 14.7 | 53.8 | 48.1 | 29.608 | 74.5 | 36.0 | 38.5 | 31.9 | 47.2 | 32.7 | 14.7 | 53.8 | 48.1 | 29.608 | 74.5 | 36.0 | 38.5 | 31.9 | 47.2 | 32.7 | 14.7 | 53.8 | 48.1 | |
| Halifax | 29.609 | 79.0 | 35.0 | 44.0 | 33.2 | 47.4 | 36.0 | 15.1 | 54.2 | 47.9 | 29.609 | 79.0 | 35.0 | 44.0 | 33.2 | 47.4 | 36.0 | 15.1 | 54.2 | 47.9 | 29.609 | 79.0 | 35.0 | 44.0 | 33.2 | 47.4 | 36.0 | 15.1 | 54.2 | 47.9 | 29.609 | 79.0 | 35.0 | 44.0 | 33.2 | 47.4 | 36.0 | 15.1 | 54.2 | 47.9 | |
| Hull | 29.605 | 75.1 | 41.0 | 34.7 | 31.4 | 50.6 | 35.3 | 10.7 | 54.1 | 48.1 | 29.605 | 75.1 | 41.0 | 34.7 | 31.4 | 50.6 | 35.3 | 10.7 | 54.1 | 48.1 | 29.605 | 75.1 | 41.0 | 34.7 | 31.4 | 50.6 | 35.3 | 10.7 | 54.1 | 48.1 | 29.605 | 75.1 | 41.0 | 34.7 | 31.4 | 50.6 | 35.3 | 10.7 | 54.1 | 48.1 | |
| Bradford | 29.587 | 79.0 | 40.0 | 39.0 | 32.4 | 50.3 | 32.0 | 12.1 | 55.0 | 48.4 | 29.587 | 79.0 | 40.0 | 39.0 | 32.4 | 50.3 | 32.0 | 12.1 | 55.0 | 48.4 | 29.587 | 79.0 | 40.0 | 39.0 | 32.4 | 50.3 | 32.0 | 12.1 | 55.0 | 48.4 | 29.587 | 79.0 | 40.0 | 39.0 | 32.4 | 50.3 | 32.0 | 12.1 | 55.0 | 48.4 | |
| Leeds | 29.612 | 79.0 | 29.8 | 49.2 | 43.3 | 47.2 | 37.4 | 16.1 | 33.5 | 40.9 | 29.612 | 79.0 | 29.8 | 49.2 | 43.3 | 47.2 | 37.4 | 16.1 | 33.5 | 40.9 | 29.612 | 79.0 | 29.8 | 49.2 | 43.3 | 47.2 | 37.4 | 16.1 | 33.5 | 40.9 | 29.612 | 79.0 | 29.8 | 49.2 | 43.3 | 47.2 | 37.4 | 16.1 | 33.5 | 40.9 | |
| Stonycurest | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | |
| Carlisle | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | 29.583 | 77.5 | 33.6 | 43.9 | 34.9 | 46.7 | 40.3 | 18.3 | 35.3 | 51.5 | |

The mean low night temperature of the air for November was $42^{\circ}7$, being $5^{\circ}4$ above the average of 47 years; it was $6^{\circ}7$, $4^{\circ}7$, and $4^{\circ}9$ higher than in 1887, 1886, and 1885 respectively; and there were only two instances of as high or higher temperature back to the year 1841; viz.:—

1881 it was $42^{\circ}8$ | 1852 it was $44^{\circ}1$

The mean low night temperature of the air for December was $35^{\circ}6$, being $0^{\circ}5$ above the average of 47 years; it was $2^{\circ}2$, $4^{\circ}4$, and $1^{\circ}6$ higher than in 1887, 1886, and 1885 respectively.

Therefore the days and nights were very cold in October, warm in November, and about their average in December.

The mean daily range of temperature in October was $17^{\circ}5$, being $3^{\circ}0$ greater than the average, and there were only two instances of as great a range back to the year 1841; viz.:—

1877 it was $17^{\circ}6$ | 1854 it was $17^{\circ}5$

The mean daily range of temperature in November was $8^{\circ}8$, being $2^{\circ}6$ smaller than the average, and there was only one instance of as small or smaller range back to the year 1841; viz., in 1844 it was $8^{\circ}5$.

| 1888. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|---|----------------|---|--|-------|--|-------|--|-------|--|-------------|---|-------------|--|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | | Mean. | Diff. from ave- rage of 117 years. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. |
| Oct. | - | 46°0 | -3°5 | -3°9 | 43°9 | -3°9 | 41°6 | -4°3 | 17°5 | +3°0 | in. .263 | in. -°046 | grs. 3°1 | grs. -°09 |
| Nov. | - | 47°0 | +4°6 | +3°6 | 43°3 | +3°9 | 43°3 | +3°9 | 8°8 | -2°6 | .280 | +°035 | 3°8 | +°03 |
| Dec. | - | 40°8 | +1°7 | +1°0 | 39°7 | +1°3 | 38°3 | +1°8 | 10°0 | +0°7 | .211 | +°013 | 2°7 | 0°0 |
| Means - | | 44°6 | +0°9 | +0°2 | 43°0 | +0°4 | 41°1 | +0°5 | 17°1 | +0°4 | .258 | +°001 | 3°0 | -0°2 |

| 1888. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---|------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Mean. | Diff. from ave- rage of 47 years. | Amount. | Diff. from ave- rage of 73 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Oct. | - | 85 | - 4 | 29°888 | +°176 | grs. 547 | grs. + 7 | in. 1°20 | in. -1°46 | Miles. 218 | 18 | 7 | 6 | 21°7 | 49°4 |
| Nov. | - | 87 | - 3 | 29°634 | -°113 | 541 | - 7 | 4°00 | +1°04 | 390 | 3 | 17 | 10 | 23°3 | 48°0 |
| Dec. | - | 91 | + 1 | 29°869 | +°022 | 552 | 0 | 0°02 | -1°07 | 240 | 16 | 9 | 6 | 16°7 | 43°8 |
| Means - | | 88 | - 2 | 29°774 | +°023 | 547 | 0 | Sum 6°22 | Sum -0°89 | Mean 283 | Sum 37 | Sum 33 | Sum 22 | Lowest 16°7 | Highest 49°4 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (−) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|-----------|----------|-------------------------|
| | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. | 1888. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 9 | 2½ | + 6½ | 1 | 2½ | - 1½ | 2 | 2½ | - ½ |
| N. | 2 | 3½ | - 1½ | 0 | 4½ | - 4½ | 1 | 3 | - 2 |
| N.E. | 6 | 3 | + 3 | 2 | 4 | - 2 | 2 | 2½ | - ½ |
| E. | 1 | 1½ | - ½ | 2 | 2½ | - ½ | 1 | 2 | - 1 |
| S.E. | 1 | 2 | - 1 | 12 | 2½ | + 9½ | 7 | 2 | + 5 |
| S. | 1 | 4 | - 3 | 1 | 4 | - 3 | 7 | 3½ | + 3½ |
| S.W. | 10 | 10 | 0 | 11 | 8½ | + 2½ | 10 | 11 | - 1 |
| W. | 1 | 4½ | - 3½ | 1 | 2½ | - 1½ | 1 | 4½ | - 3½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in October are opposite to N.W. and N.E.; in November to S.E. and S.W.; and in December to S.E. and S.

The sign (−) denotes deficiencies below averages. In October this sign is opposite to W. and S.; in November to N., S., and N.E.; and in December to W. and N.

The mean daily range of temperature in December was $10^{\circ}0$, being $0^{\circ}7$ greater than the average.

The mean temperature in October was $9^{\circ}7$ colder than in September; in November it was $1^{\circ}0$ warmer than in October; and in December it was $6^{\circ}2$ colder than in November.

(From the preceding 47 years' observations the decrease from September to October is $7^{\circ}1$; the decrease from October to November is $6^{\circ}5$; and the decrease from November to December is $3^{\circ}6$.)

From September to October there was a decrease of $7^{\circ}4$ at stations south of 51° ; between 51° and 53° of $9^{\circ}2$; and at stations north of this parallel to $6^{\circ}5$.

From October to November there was a decrease of $0^{\circ}5$ at stations south of 51° ; an increase of $0^{\circ}8$ at stations between 51° and 53° ; and a decrease of $1^{\circ}6$ at stations north of this parallel.

From November to December there was a decrease of $3^{\circ}8$ at stations south of 51° ; between 51° and 52° of $6^{\circ}0$; between 52° and 53° of $5^{\circ}3$; between 53° and 54° of $3^{\circ}4$; and at stations north of this parallel of $4^{\circ}9$.

The mean reading of the barometer at the height of 159 ft. above the sea level for the month of October was 29.888 ins., being 0.176 in. above the average of 47 years. It was 0.028 in. lower than in 1887, 0.270 in. higher than in 1886 and 1885 respectively; and there were only five instances of higher readings back to the year 1841, viz.:—

1887 it was 29.916 ins. | 1879 it was 29.952 ins. | 1856 it was 29.991 ins.
1884 " 29.895 " | 1866 " 29.927 " |

The mean reading of the barometer for November was 29.624 ins., being 0.113 in. below the average of 47 years. It was 0.094 in. higher than in 1887, 0.108 in. and 0.097 in. lower than in 1886 and 1885 respectively, and there were only nine instances of lower readings back to the year 1841, viz.:—

1887 it was 29.530 ins. | 1877 it was 29.517 ins. | 1852 it was 29.465 ins.
1882 " 29.532 " | 1872 " 29.511 " | 1845 " 29.575 "
1878 " 29.571 " | 1861 " 29.561 " | 1842 " 29.599 "

The mean reading of the barometer for December was 29.809 ins., being 0.022 in. above the average of 47 years. It was 0.133 in. and 0.287 in. higher than in 1887 and 1886 respectively, and 0.222 in. lower than in 1885.

From September to October there was a decrease of atmospheric pressure at all stations; at those south of 51° of 0.06 in.; between 51° and 52° of 0.09 in.; between 52° and 53° of 0.12 in.; between 53° and 54° of 0.17 in.; and at stations north of this parallel of 0.22 in.

From October to November there was a decrease of about 0.27 in. at all stations.

From November to December there was an increase of about 0.17 in. at all stations.

About London the atmospheric pressure was below its average till October 6th, the mean daily deficiency being 0.29 in.; from October 7th to the 30th it was above, the mean daily excess being 0.21 in.; from October 31st to November 14th it was below, the mean daily deficiency being 0.21 in.; from November 15th to the 25th it was above, the mean daily excess being 0.16 in.; from November 26th to December 1st it was below the average, the mean daily deficiency being 0.22 in.; from December 2nd to the 18th it was above, the mean daily excess being 0.26 in.; and from the 19th to the end of the year it was below the average, the mean daily deficiency being 0.36 in.

Thunderstorms occurred in October on the 3rd at Torquay and Salisbury.

In November on the 8th at Guernsey; on the 20th at Liverpool; on the 21st at Halifax; on the 26th at Bath; and on the 27th at Plymouth, Torquay, Bradford, and Leeds.

And in December none were reported.

Thunder was heard but lightning was not seen in October on the 3rd at Torquay; and on the 5th at Somerleyton.

In November on the 20th at Bath; on the 27th at Halifax; and on the 29th at Salisbury.

And no thunder was heard or reported in December.

Lightning was seen but thunder was not heard in October on the 3rd at Torquay and Osborne; on the 5th at Somerleyton; and on the 6th at Torquay.

In November on the 26th at Plymouth, Torquay, Osborne, Salisbury, Oxford, Cambridge, and Somerleyton; on the 27th at Bath and Somerleyton; on the 28th at Plymouth and Torquay; and on the 29th at Torquay and Osborne.

And in December on the 1st at Halifax.

Solar halos were seen in October on the 4th at Torquay and Oxford; on the 11th at Cambridge; on the 13th at Torquay; on the 16th at Camden Square, Oxford, Liverpool, and Halifax; on the 17th at Liverpool and Halifax; on the 20th at Oxford; and on the 31st at Torquay, Camden Square, and Oxford.

In November on the 4th at Oxford; on the 9th and 14th at Torquay; on the 21st at Torquay and Oxford; on the 26th at Liverpool; on the 27th at Torquay; on the 28th at Torquay, Liverpool, and Halifax; and on the 30th at Torquay.

And in December on the 8th at Liverpool; on the 11th at Torquay; on the 21st, 25th, and 26th at Halifax; on the 28th at Torquay; and on the 29th at Torquay and Oxford.

Lunar halos were seen in October on the 15th at Torquay; and on the 20th and 21st at Oxford. In November on the 13th at Oxford; on the 14th at Torquay and Oxford; on the 17th at Oxford and Cambridge; on the 18th at Cambridge; on the 21st at Osborne and Oxford; on the 23rd at Liverpool; and on the 26th at Oxford.

And in December on the 8th at Halifax; on the 11th at Oxford; on the 16th at Plymouth; on the 18th at Lowestoft; and on the 20th at Torquay and Liverpool.

Snow fell in October on the 1st at Llandudno, Halifax, Hull, Stonyhurst, Leeds, and Carlisle; on the 2nd at Oxford and Rugby; on the 4th at Royston, Cambridge, Halifax, and Carlisle; on the 5th at Halifax; and on the 6th at Cambridge.

In November on the 3rd at Stonyhurst; on the 7th at Torquay, Osborne, and Bath; on the 20th at Cambridge, Rugby, Somerleyton, Wolverhampton, Halifax, Bradford, and Carlisle; and on the 27th at Carlisle.

Hail fell in October on the 2nd at Liverpool; on the 3rd at Plymouth, Torquay, and Salisbury; on the 4th at Oxford, Liverpool, Hull, and Leeds; on the 5th at Torquay, Liverpool, Hull, and Stonyhurst; and on the 6th at Torquay, Salisbury, and Bath.

In November on the 1st at Lowestoft and Liverpool; on the 7th at Oxford; on the 17th at Halifax, Stonyhurst, and Carlisle; on the 20th at Guernsey, Torquay, Bath, Rugby, Somerleyton, Wolverhampton, Liverpool, Halifax, Stonyhurst, and Bradford; on the 21st at Halifax and Stonyhurst; on the 26th at Torquay, Bath, Whitechurch, and Halifax; on the 27th at Plymouth, Torquay, Liverpool, and Halifax; on the 28th at Osborne; and on the 29th at Torquay.

and on the 26th at Plymouth, Llandudno, Liverpool, Halifax, and Stonyhurst.

Fog prevailed in October on the 2nd at Wolverhampton; on the 3rd at Liverpool; on the 4th at Plymouth; on the 7th at Bradford; on the 8th at Blackheath, Oxford, and Liverpool; on the 9th at Plymouth, Blackheath, and Bradford; on the 10th at Blackheath; on the 11th at Blackheath, Cambridge, Hull, and Stonyhurst; on the 13th, 14th, and 15th at Plymouth; on the 16th at Plymouth, Whitechurch, Blackheath, Oxford, Cambridge, Lowestoft, Somerleyton, Wolverhampton, and Hull; on the 17th and 18th it was general throughout the Midland Counties; on the 19th at Blackheath, Cambridge, and Wolverhampton; on the 20th at Wolverhampton, Halifax, and Hull; on the 21st at Cambridge, Halifax, and Hull; on the 22nd at Oxford, Royston, Cambridge, Halifax, and Bradford; on the 23rd at Torquay, Whitechurch, Blackheath, Oxford, Royston, Cambridge, Lowestoft, Somerleyton, Wolverhampton, Liverpool, and Stonyhurst; on the 24th at Plymouth, Torquay, Ventnor, Osborne, Salisbury, Whitechurch, Blackheath, Camden Square, and Cambridge; on the 25th at Whitechurch; and on the 30th at Guernsey and Blackheath.

On the 25th at Whitechurch; and on the 30th at Camden Square, Oxford, Cambridge, Somerleyton, and Wolverhampton; on the 3rd at Camden Square, Barnet, and Liverpool; on the 5th at Oxford, Wolverhampton, and Liverpool; on the 7th at Torquay; on the 8th and 9th at Bath; on the 10th at Wolverhampton; on the 11th at Osborne, Salisbury, Oxford, Royston, Cambridge, Rugby, Wolverhampton, and Bradford; on the 12th at Torquay and Bath; on the 13th at Liverpool; on the 14th at Whitechurch, Oxford, Cambridge, and Lowestoft; on the 15th at Torquay and Lowestoft; on the 22nd at Bath; on the 28th at Whitechurch; and on the 30th at Liverpool.

In December on the 1st at Plymouth, Cambridge, Somerleyton, and Stonyhurst; on the 4th at Ventnor; on the 5th at Guernsey; on the 6th at Plymouth, Torquay, and Cambridge; on the 8th at Torquay, Royston, Cambridge, and Somerleyton; on the 9th at Blackheath, Oxford, Cambridge, and Rugby; on the 10th at Osborne, Blackheath, Tottenham, Oxford, Rugby, Wolverhampton, Liverpool, and Stonyhurst; on the 11th at Plymouth, and in the Midland Counties; on the 12th at Guernsey, Plymouth, and Cambridge; on the 13th at Oxford, and Cambridge; on the 14th at Ventnor, Eastbourne, Salisbury, Blackheath; Oxford, Royston, Cambridge, Rugby; Somerleyton, and Leeds; on the 15th at Plymouth, Torquay, Eastbourne, and in the Midland Counties; on the 16th at Salisbury, Oxford, Royston, Cambridge, Rugby, Lowestoft, and Somerleyton; on the 17th at Plymouth, Osborne, Blackheath, Oxford, Royston, Lowestoft, and Somerleyton; on the 18th at Guernsey, Plymouth, Eastbourne, Osborne, Salisbury, Blackheath, Tottenham, Oxford, Royston, Lowestoft, Somerleyton, Wolverhampton, Bradford, and Leeds; on the 19th at Guernsey, Lowestoft, and Somerleyton; on the 20th at Plymouth and Royston; on the 23rd at Cambridge and Bradford; on the 29th at Somerleyton; and on the 31st at Plymouth, Blackheath, Oxford, Cambridge, and Wolverhampton.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31ST, 1888.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

[illegible]

| NAME OF STATION AND OBSERVER. | Height of Station Above Sea Level. | Year 1888. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Rain. | |
|--|------------------------------------|-------------|-------|----------------------------------|----------|------------------------------|--------|----------|-------------------|--------|---------|----------------------|------------------------------|------------------------------|---------------------|-----------------------------------|-----------------------|-------------------------|-----------------|
| | | Month. | Mean. | Range. | Highest. | Lowest. | Range. | Highest. | Lowest. | Range. | Mean. | Short of Saturation. | Mean Weight of Rain in 100. | Mean Reading of Thermometer. | Estimated Strength. | Relative Proportion of Direction. | Mean Amount of Cloud. | Number of Days it fell. | Amount in inch. |
| | | | | | | | | | | | | | | | | | | | |
| BLACKHEATH (Kent), JAMES GLABIER, Esq., F.R.S. | 120 | Oct. 29-879 | 1.195 | 67.1 | 25.3 | 40.8 | 22.9 | 35.9 | 17.0 | 44.1 | 41.1 | 200 | 2.8 | 83.9 | 1.0 | 10 | 6 | 8 | 1.26 |
| | | Nov. 29-874 | 1.004 | 29.0 | 31.2 | 27.8 | 20.6 | 40.7 | 9.9 | 45.7 | 42.9 | 277 | 3.1 | 60.5 | 0.7 | 2 | 6 | 12 | 0.78 |
| | | Dec. 29-860 | 1.392 | 57.0 | 21.0 | 33.0 | 44.5 | 33.3 | 11.2 | 39.5 | 37.6 | 236 | 2.7 | 55.2 | 0.7 | 3 | 6 | 13 | 0.90 |
| CAMDEN SQUARE (London), G.J. SYMONS, Esq., F.R.S., F.R. Met. Soc. | 125 | Oct. 29-941 | 1.157 | 68.8 | 28.2 | 40.2 | 35.4 | 38.9 | 16.5 | 46.2 | 41.1 | 239 | 3.0 | 64 | 1.0 | 10 | 6 | 8 | 1.23 |
| | | Nov. 29-934 | 1.107 | 39.9 | 34.6 | 33.3 | 31.0 | 43.3 | 7.7 | 47.1 | 43.3 | 281 | 3.3 | 59.1 | 1.1 | 6 | 9 | 8 | 0.48 |
| | | Dec. 29-867 | 1.388 | 58.9 | 25.9 | 33.0 | 46.2 | 36.2 | 10.0 | 41.3 | 38.5 | 234 | 2.7 | 53.3 | 0.9 | 6 | 9 | 11 | 1.29 |
| TOTTENHAM, J. H. WORTH, C.E., F.R. Met. Soc. | 47 | Oct. 29-068 | 1.180 | 68.4 | 28.1 | 40.3 | 35.7 | 38.2 | 17.5 | 45.4 | 41.3 | 280 | 2.9 | 65.0 | 0.9 | 8 | 7 | 6 | 1.28 |
| | | Nov. 29-074 | 1.068 | 39.3 | 38.9 | 35.4 | 30.6 | 43.0 | 7.6 | 46.5 | 43.4 | 281 | 3.2 | 60.4 | 1.1 | 7 | 6 | 11 | 0.78 |
| | | Dec. 29-941 | 1.364 | 57.2 | 22.3 | 34.9 | 45.6 | 34.9 | 10.7 | 40.2 | 37.7 | 236 | 2.6 | 55.3 | 1.0 | 6 | 11 | 9 | 1.31 |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 212 | Oct. 29-847 | 1.183 | 68.5 | 27.5 | 40.0 | 35.7 | 34.4 | 22.1 | 45.2 | 40.5 | 231 | 2.9 | 63 | 0.4 | 5 | 7 | 13 | 1.19 |
| | | Nov. 29-894 | 1.083 | 39.2 | 39.0 | 30.8 | 40.9 | 45.9 | 42.0 | 46.7 | 43.0 | 267 | 3.0 | 58.0 | 0.9 | 8 | 10 | 11 | 0.79 |
| | | Dec. 29-778 | 1.370 | 59.0 | 16.7 | 44.3 | 45.0 | 32.4 | 14.6 | 39.4 | 37.3 | 224 | 2.6 | 53.3 | 0.4 | 6 | 10 | 11 | 1.39 |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 212 | Oct. 29-837 | 1.192 | 67.1 | 28.9 | 38.2 | 35.3 | 38.5 | 16.8 | 46.3 | 41.5 | 263 | 3.1 | 64 | 1.9 | 8 | 7 | 10 | 0.76 |
| | | Nov. 29-563 | 1.017 | 38.5 | 32.7 | 35.8 | 31.0 | 41.3 | 9.8 | 46.2 | 43.7 | 283 | 3.3 | 60.4 | 0.4 | 7 | 9 | 10 | 0.76 |
| | | Dec. 29-741 | 1.339 | 57.6 | 24.5 | 35.1 | 45.9 | 35.9 | 9.0 | 40.9 | 38.8 | 237 | 2.8 | 55.0 | 0.2 | 7 | 10 | 13 | 1.40 |
| ROYSTON (Hertfordshire), H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 201 | Oct. 29-768 | 1.198 | 67.1 | 28.3 | 38.8 | 34.6 | 38.0 | 16.6 | 45.3 | 40.8 | 264 | 2.9 | 63 | 1.1 | 8 | 9 | 10 | 0.76 |
| | | Nov. 29-721 | 1.096 | 39.0 | 31.0 | 30.8 | 42.3 | 38.5 | 11.0 | 40.8 | 38.1 | 240 | 2.8 | 56.4 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Dec. 29-914 | 1.352 | 59.8 | 21.0 | 38.6 | 45.3 | 34.3 | 11.0 | 40.8 | 38.1 | 240 | 2.8 | 56.4 | 0.4 | 7 | 9 | 10 | 0.82 |
| CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | 40 | Oct. 29-757 | 1.206 | 68.8 | 27.0 | 43.2 | 35.9 | 35.4 | 20.5 | 45.1 | 43.5 | 284 | 3.2 | 64 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Nov. 29-487 | 1.038 | 39.2 | 30.1 | 30.8 | 42.3 | 38.5 | 11.0 | 40.8 | 38.1 | 240 | 2.8 | 56.4 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Dec. 29-939 | 1.353 | 57.9 | 13.5 | 41.5 | 45.1 | 33.1 | 12.0 | 40.6 | 38.2 | 214 | 2.5 | 55.0 | 0.6 | 4 | 12 | 10 | 0.76 |
| RUGBY (Warwickshire), R. W. LUCKWILL. | 289 | Oct. 29-926 | 1.191 | 67.0 | 29.5 | 38.5 | 34.1 | 39.9 | 14.2 | 46.6 | 42.8 | 271 | 3.2 | 66 | 2.1 | 9 | 6 | 7 | 1.57 |
| | | Nov. 29-690 | 1.070 | 39.0 | 30.9 | 31.0 | 41.3 | 37.7 | 7.9 | 46.8 | 43.7 | 277 | 3.1 | 60.4 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Dec. 29-875 | 1.278 | 58.3 | 24.3 | 39.1 | 45.6 | 37.1 | 14.5 | 41.5 | 38.6 | 234 | 2.7 | 55.0 | 0.4 | 7 | 9 | 10 | 0.82 |
| LOWESTOFT (Suffolk), H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 89 | Oct. 29-926 | 1.191 | 67.0 | 29.5 | 38.5 | 34.1 | 39.9 | 14.2 | 46.6 | 42.8 | 271 | 3.2 | 66 | 2.1 | 9 | 6 | 7 | 1.57 |
| | | Nov. 29-690 | 1.070 | 39.0 | 30.9 | 31.0 | 41.3 | 37.7 | 7.9 | 46.8 | 43.7 | 277 | 3.1 | 60.4 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Dec. 29-875 | 1.278 | 58.3 | 24.3 | 39.1 | 45.6 | 37.1 | 14.5 | 41.5 | 38.6 | 234 | 2.7 | 55.0 | 0.4 | 7 | 9 | 10 | 0.82 |
| SOMERLEYTON (Suffolk), The Rev. C. J. STEWARD, F.R. Met. Soc. | 50 | Oct. 29-926 | 1.191 | 67.0 | 29.5 | 38.5 | 34.1 | 39.9 | 14.2 | 46.6 | 42.8 | 271 | 3.2 | 66 | 2.1 | 9 | 6 | 7 | 1.57 |
| | | Nov. 29-690 | 1.070 | 39.0 | 30.9 | 31.0 | 41.3 | 37.7 | 7.9 | 46.8 | 43.7 | 277 | 3.1 | 60.4 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Dec. 29-875 | 1.278 | 58.3 | 24.3 | 39.1 | 45.6 | 37.1 | 14.5 | 41.5 | 38.6 | 234 | 2.7 | 55.0 | 0.4 | 7 | 9 | 10 | 0.82 |
| WOLVERHAMPTON (Staffordshire), W. SIMPSON, Esq. | 200 | Oct. 29-547 | 1.050 | 64.3 | 28.9 | 35.4 | 32.4 | 38.3 | 14.1 | 44.3 | 40.5 | 254 | 2.9 | 61 | 0.8 | 8 | 6 | 9 | 0.49 |
| | | Nov. 29-248 | 0.924 | 37.9 | 32.5 | 29.4 | 49.6 | 40.7 | 8.9 | 44.9 | 41.9 | 266 | 3.1 | 60.4 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Dec. 29-402 | 1.469 | 56.0 | 29.0 | 33.0 | 44.9 | 34.7 | 10.2 | 39.7 | 37.4 | 224 | 2.6 | 55.0 | 0.4 | 7 | 9 | 10 | 0.82 |
| NOTTINGHAM (Nottinghamshire), R. A. WHITLEDGE, Esq., M.D. | 122 | Oct. 29-707 | 1.146 | 67.2 | 27.0 | 41.6 | 35.8 | 34.6 | 11.2 | 40.3 | 37.3 | 223 | 2.6 | 55.0 | 0.4 | 7 | 9 | 10 | 0.82 |
| | | Nov. 29-534 | 0.810 | 39.0 | 31.0 | 28.8 | 40.3 | 41.6 | 8.7 | 45.9 | 42.0 | 268 | 3.0 | 61.5 | 0.6 | 4 | 9 | 10 | 0.82 |
| | | Dec. 29-695 | 1.438 | 59.8 | 21.0 | 35.8 | 45.8 | 34.6 | 11.2 | 40.3 | 37.3 | 223 | 2.6 | 55.0 | 0.4 | 7 | 9 | 10 | 0.82 |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1888. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | | | Mean Temperature. | | Vapour. | | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | |
|---|------------------------------------|-------------|----------------------------------|-------|--------|------------------------------|---------|--------|-----------------|----------------|-------------------|------------|----------------|-------------------------|-------|------------------------------|-------------------|------------------------|-----|----|-----------------------|-------------------------|-------|------|------|
| | | | Month. | Mean. | Range. | Highest. | Lowest. | Range. | Mean | | Air. | Dew Point. | Elastic Force. | In a given foot of Air. | | Minimum in Rays of Sun. | Minimum on Grass. | Relative Proportion of | | | | | | | |
| | | | | | | | | | Of all Highest. | Of all Lowest. | | | | Short of Saturation. | Mean. | | | N. | S. | W. | | | | | |
| LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | 100 | Oct. 29-876 | 1.180 | 63.3 | 33.4 | 32.9 | 31.9 | 32.4 | 11.5 | 40.7 | 42.1 | .68 | 3.0 | 1.3 | 75 | .63 | 0 | 0.8 | 6 | 3 | 11 | 6.4 | 36 | 1.04 | |
| | | Nov. 29-870 | 1.020 | 35.0 | 27.0 | 31.1 | 43.2 | 7.9 | 29.6 | 45.4 | 40.2 | .29 | 0.6 | .82 | 55 | .09 | 1.0 | 0.6 | 5 | 9 | 12 | 7.8 | 25 | 4.65 | |
| | | Dec. 29-755 | 1.720 | 69.0 | 30.0 | 49.5 | 59.7 | 9.8 | 45.4 | 39.2 | 2.9 | 2.8 | 0.6 | .59 | 2.9 | 0.6 | 0 | 0.0 | 4 | 9 | 12 | 5.9 | 18 | 1.73 | |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 127 | Oct. 29-797 | 1.293 | 65.0 | 32.6 | 32.4 | 33.4 | 33.4 | 10.9 | 47.6 | 41.4 | .81 | 3.0 | 0.7 | 80 | .44 | 1 | 1 | 6 | 10 | 10 | 6.2 | 37 | 1.62 | |
| | | Nov. 29-487 | 1.046 | 39.0 | 35.3 | 34.7 | 43.0 | 7.7 | 47.6 | 41.2 | 2.1 | 3.0 | 0.6 | 83 | .40 | 1 | 1 | 6 | 10 | 10 | 8.5 | 34 | 1.69 | | |
| | | Dec. 29-639 | 1.550 | 57.0 | 31.4 | 46.6 | 57.8 | 8.8 | 41.1 | 35.7 | .25 | 2.7 | 0.4 | .88 | 2.9 | 0.4 | 0 | 0 | 6 | 8 | 10 | 7.2 | 38 | 1.31 | |
| HALIFAX, Bernerside Observatory, E. CROSSLEY, Esq., F.R.A.S. | 529 | Oct. 29-435 | 1.294 | 65.0 | 25.0 | 41.0 | 52.8 | 15.3 | 44.3 | 40.0 | .63 | 2.9 | 0.4 | .82 | .61 | .91 | 34.0 | 0.9 | 6 | 5 | 8 | 6.0 | 9 | 1.30 | |
| | | Nov. 29-188 | 1.083 | 37.8 | 29.7 | 28.1 | 46.7 | 38.6 | 9.1 | 43.2 | 38.4 | .25 | 2.7 | 0.5 | 83 | .38 | 30.5 | 1.0 | 6 | 7 | 8 | 8.0 | 29 | 8.75 | |
| | | Dec. 29-345 | 1.268 | 57.0 | 24.5 | 34.5 | 44.5 | 35.3 | 8.2 | 40.2 | 37.5 | .24 | 2.6 | 0.5 | 90 | .44 | 27.9 | 0.6 | 5 | 8 | 10 | 7.4 | 38 | 2.58 | |
| HULL (Yorkshire), The People's Park, M. E. FEAR. | 6 | Oct. 29-065 | 1.242 | 65.0 | 27.0 | 38.0 | 54.8 | 37.7 | 10.6 | 45.7 | 40.4 | .49 | 2.6 | 0.7 | 82 | .60 | 81.8 | 3.8 | 8 | 7 | 11 | 4.9 | 10 | 0.97 | |
| BRADFORD (Yorkshire), J. MCLENDON, Esq., C.E., F.G.S. | 304 | Oct. 29-379 | 1.063 | 34.0 | 29.1 | 31.9 | 29.4 | 31.9 | 10.8 | 40.6 | 41.0 | .58 | 3.0 | 0.7 | 82 | .61 | 8.3 | 0.3 | 7 | 3 | 11 | 7.8 | 8 | 0.60 | |
| | | Nov. 29-339 | 1.083 | 34.4 | 34.9 | 23.5 | 49.3 | 37.9 | 9.4 | 44.5 | 40.2 | .29 | 2.9 | 0.5 | 85 | .53 | 70.4 | 0.8 | 5 | 9 | 7 | 8.5 | 16 | 0.55 | |
| | | Dec. 29-501 | 1.413 | 57.8 | 25.2 | 31.6 | 45.5 | 37.5 | 9.0 | 42.2 | 37.2 | .25 | 2.6 | 0.5 | 84 | .63 | 62.8 | 0.3 | 9 | 8 | 9 | 8.6 | 14 | 1.40 | |
| LEEDS (Yorkshire), The Philosophical Hall, WM. EAGLE CLARKE, Esq. | 137 | Oct. 29-830 | 1.268 | 65.0 | 32.6 | 32.4 | 33.4 | 33.4 | 10.9 | 47.6 | 41.4 | .81 | 3.0 | 0.7 | 82 | .45 | 1 | 1.3 | 6 | 6 | 11 | 6.9 | 2 | 0.43 | |
| | | Nov. 29-487 | 1.038 | 39.0 | 35.3 | 34.7 | 43.0 | 7.7 | 47.6 | 41.2 | 2.1 | 3.0 | 0.6 | 83 | .42 | 1 | 1.5 | 5.5 | 8 | 7 | 8.0 | 8.3 | 24 | 0.68 | |
| | | Dec. 29-740 | 1.399 | 59.0 | 25.0 | 34.0 | 44.8 | 35.7 | 8.1 | 41.1 | 37.5 | .23 | 2.6 | 0.4 | 87 | .60 | 1 | 1.0 | 5 | 6 | 11 | 7.8 | 12 | 1.06 | |
| STONTHURST (Lancashire), R. S. J. F.R.S., F.R. Met. Soc., F.R.A.S. | 703 | Oct. 29-637 | 1.259 | 64.0 | 32.1 | 31.9 | 32.4 | 33.4 | 10.9 | 47.6 | 41.4 | .81 | 3.0 | 0.7 | 82 | .63 | 87.1 | 34.2 | 0.3 | 8 | 5 | 10 | 7.4 | 15 | 0.49 |
| | | Nov. 29-337 | 1.038 | 35.1 | 29.8 | 28.3 | 49.4 | 39.2 | 10.0 | 44.5 | 40.1 | .29 | 2.8 | 0.5 | 85 | .63 | 63.9 | 37.0 | 1.1 | 7 | 8 | 9.0 | 24 | 0.79 | |
| | | Dec. 29-698 | 1.583 | 57.0 | 22.5 | 34.5 | 44.5 | 35.3 | 9.1 | 40.1 | 38.3 | .14 | 2.4 | 0.5 | 85 | .62 | 62.2 | 31.4 | 0.3 | 6 | 11 | 8.2 | 18 | 2.94 | |
| CARLISLE, Spital (Cumberland), ISAAC CARTMILL, Esq., F.R. Met. Soc. | 114 | Oct. 29-816 | 1.394 | 60.8 | 24.9 | 32.6 | 34.8 | 34.8 | 11.7 | 43.6 | 43.6 | .27 | 3.0 | 0.3 | 92 | .54 | 72.9 | 33.5 | 1.0 | 6 | 5 | 11 | 7.3 | 12 | 0.68 |
| | | Nov. 29-548 | 1.110 | 37.5 | 27.5 | 27.5 | 42.0 | 39.9 | 10.7 | 40.1 | 38.9 | .23 | 2.8 | 0.3 | 92 | .61 | 61.2 | 31.8 | 1.7 | 9 | 7 | 2.1 | 5.9 | 18 | 3.22 |
| | | Dec. 29-714 | 1.445 | 58.8 | 16.8 | 42.0 | 46.5 | 31.6 | 11.7 | 41.2 | 38.9 | .27 | 2.8 | 0.3 | 92 | .52 | 55.9 | 20.5 | 0.7 | 6 | 9 | 10 | 7.8 | 16 | 2.14 |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | WIND. | | | | | | | | | | RAIN. | | | | | | | | | |
|--------------------|---|------|------|------|------|------|------|------|------|------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--|-----|-----|----|-------|-----------------------|-----------------------|-----------------------------------|-------------------|
| | Highest Reading of the Thermometer. | | | | | | | | | | Relative Proportion of | | | | | | | | | | Mean Amount of Cloud. | Mean Amount of Rain on which it falls. | | | | | | | | |
| | Lowest Reading of the Thermometer. | | | | | | | | | | Mean Amount of Onset. | | | | | | | | | | | | | | | | | | | |
| | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Low Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | N. | E. | S. | W. | Mean Amount of Onset. | Mean Amount of Cloud. | Number of Days on which it falls. | Amount collected. |
| Guernsey | 29.672 | 55.0 | 34.4 | 10.4 | 52.9 | 15.5 | 32.0 | 7.5 | 19.1 | 44.7 | 298 | 3.4 | 0.6 | 88 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Truro | 29.630 | 59.0 | 23.6 | 16.0 | 55.6 | 11.5 | 35.0 | 14.1 | 48.9 | 42.3 | 271 | 3.1 | 0.8 | 79 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Plymouth | 29.647 | 59.4 | 29.0 | 11.4 | 51.2 | 12.7 | 25.1 | 10.5 | 47.8 | 44.9 | 299 | 3.4 | 0.7 | 87 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Torquay | 29.641 | 62.6 | 28.3 | 14.3 | 53.0 | 13.3 | 26.2 | 9.8 | 48.0 | 44.2 | 291 | 3.3 | 0.5 | 87 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Ventnor | 29.632 | 63.5 | 33.2 | 10.3 | 53.8 | 14.6 | 26.2 | 9.0 | 48.7 | 41.5 | 235 | 3.4 | 0.6 | 81 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Eastbourne | 29.617 | 62.3 | 32.4 | 10.1 | 51.4 | 12.6 | 27.1 | 8.8 | 46.6 | 42.7 | 276 | 3.2 | 0.5 | 87 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Osborne | 29.675 | 67.3 | 23.4 | 18.9 | 51.2 | 11.2 | 29.4 | 10.7 | 46.3 | 44.1 | 230 | 3.2 | 0.3 | 93 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Salisbury | 29.630 | 57.0 | 30.0 | 17.0 | 52.2 | 15.8 | 17.6 | 16.6 | 44.0 | 41.2 | 260 | 3.0 | 0.4 | 90 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Barnstaple | 29.617 | 67.0 | 23.0 | 11.0 | 51.4 | 11.9 | 31.3 | 12.2 | 43.2 | 41.1 | 239 | 3.3 | 0.6 | 88 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Bath | 29.720 | 66.0 | 25.7 | 10.1 | 51.7 | 17.5 | 33.9 | 12.2 | 43.5 | 40.8 | 258 | 3.0 | 0.5 | 89 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Whitechurch | 29.637 | 63.4 | 21.1 | 13.6 | 50.3 | 13.7 | 33.2 | 12.1 | 44.6 | 41.1 | 238 | 3.0 | 0.4 | 88 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Royal Observatory | 29.679 | 67.1 | 21.0 | 13.1 | 49.3 | 16.6 | 31.9 | 12.7 | 44.1 | 40.5 | 254 | 2.9 | 0.3 | 91 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Blackheath | 29.698 | 68.8 | 25.9 | 12.9 | 50.9 | 16.5 | 33.0 | 11.4 | 44.9 | 41.0 | 228 | 3.0 | 0.4 | 87 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Camden Square | 29.696 | 68.4 | 22.3 | 16.1 | 50.6 | 13.7 | 33.5 | 11.9 | 44.0 | 40.8 | 256 | 2.9 | 0.4 | 89 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Tottenham | 29.721 | 63.5 | 16.7 | 11.8 | 50.8 | 13.9 | 33.4 | 14.9 | 43.5 | 39.9 | 247 | 2.8 | 0.4 | 88 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Barnet | 29.678 | 67.1 | 24.5 | 12.6 | 50.8 | 13.4 | 32.4 | 11.4 | 44.7 | 41.5 | 263 | 3.1 | 0.4 | 89 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Oxford | 29.723 | 67.1 | 21.7 | 15.4 | 50.0 | 18.4 | 33.5 | 11.6 | 43.9 | 40.3 | 251 | 2.9 | 0.4 | 88 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Royston | 29.610 | 59.0 | 21.0 | 14.0 | 50.8 | 17.3 | 37.9 | 13.4 | 44.2 | 41.5 | 263 | 3.1 | 0.4 | 91 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Cambridge | 29.677 | 68.8 | 15.5 | 11.3 | 50.5 | 13.5 | 33.6 | 14.0 | 43.7 | 41.3 | 263 | 3.0 | 0.2 | 92 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Rugby | 29.677 | 67.0 | 14.2 | 12.8 | 50.2 | 13.9 | 30.3 | 10.3 | 45.0 | 41.3 | 261 | 3.0 | 0.5 | 85 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Lowestoft | 29.677 | 67.0 | 14.2 | 12.8 | 50.2 | 13.9 | 30.3 | 10.3 | 45.0 | 41.3 | 261 | 3.0 | 0.5 | 85 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Somerleyton | 29.691 | 64.3 | 23.0 | 11.3 | 49.0 | 17.9 | 31.3 | 11.1 | 43.0 | 39.9 | 248 | 2.9 | 0.3 | 89 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Wolverhampton | 29.659 | 67.2 | 21.0 | 14.2 | 49.8 | 17.3 | 35.4 | 12.4 | 43.2 | 39.1 | 210 | 2.7 | 0.6 | 83 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Nottingham | 29.595 | 66.3 | 30.0 | 15.3 | 52.2 | 12.4 | 30.0 | 9.7 | 47.1 | 41.1 | 258 | 3.0 | 0.8 | 79 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Llandudno | 29.610 | 63.0 | 26.3 | 18.7 | 50.2 | 11.3 | 29.5 | 8.9 | 45.3 | 40.4 | 233 | 2.9 | 0.6 | 84 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Liverpool | 29.665 | 63.0 | 22.1 | 13.5 | 48.0 | 17.1 | 31.5 | 10.9 | 42.6 | 38.8 | 236 | 2.7 | 0.4 | 85 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Hull | 29.622 | 64.0 | 26.2 | 17.8 | 49.4 | 19.7 | 30.0 | 9.7 | 44.4 | 39.3 | 243 | 2.8 | 0.6 | 82 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Bradford | 29.619 | 65.0 | 25.0 | 15.0 | 49.3 | 19.2 | 33.0 | 8.7 | 44.6 | 39.8 | 247 | 2.9 | 0.5 | 85 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Leeds | 29.647 | 64.9 | 22.2 | 12.7 | 49.5 | 17.4 | 35.0 | 13.1 | 43.4 | 38.9 | 237 | 2.7 | 0.5 | 84 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |
| Stonyhurst | 29.576 | 71.5 | 15.8 | 14.7 | 52.0 | 17.8 | 42.5 | 14.2 | 45.0 | 42.8 | 277 | 3.2 | 0.3 | 92 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 | | | | |

The highest temperatures of the air were at Carlisle, 71°·5; and at Truro and Cambridge, 69°·0.

The lowest temperatures of the air were at Rugby, 15°·5; at Barnet, 16°·7; and at Carlisle, 16°·8.

The greatest ranges of temperature were at Carlisle, 54°·7; at Barnet, 51°·8; and at Rugby, 51°·3.

The least ranges of temperature were at Ventnor, 30°·3; at Guernsey, 30°·4; and at Plymouth, 31°·4.

The greatest number of days of rain were at Guernsey, 67; at Salisbury, 65; and at Truro, 62.

The least number of days of rain were at Blackheath, 31; at Barnet, 33; and at the Royal Observatory, 34.

The greatest falls of rain were at Truro, 15·61 inches; at Plymouth, 13·63 inches; and at Torquay, 13·28 inches.

The least falls of rain were at Cambridge, 4·60 inches; at Nottingham, 4·77 inches; and at Royston, 5·19 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempe- rature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Onset. | Mean Amount of Cloud. | RAIN. | | | | |
|--|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-------|------|-----|----|-----------------------|-----------------------|---------------------------------|-----------------------------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | Mean Number of Days it fell. | Mean Amount col- lected. | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - | - | - | 29.672 | 55.0 | 34.4 | 10.4 | 52.9 | 15.5 | 32.0 | 7.5 | 19.1 | 44.7 | 298 | 3.4 | 0.6 | 86 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 |
| Between the latitudes | 50° | and 51° | - | 29.644 | 61.1 | 24.5 | 12.5 | 53.5 | 13.7 | 32.4 | 12.8 | 44.7 | 41.2 | 287 | 3.3 | 0.5 | 87 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 |
| | 51° | and 52° | - | 29.687 | 67.6 | 25.3 | 14.5 | 51.0 | 13.8 | 23.4 | 12.8 | 44.5 | 41.2 | 287 | 3.3 | 0.5 | 87 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 |
| | 52° | and 53° | - | 29.632 | 66.9 | 22.1 | 13.4 | 50.0 | 13.8 | 34.2 | 12.0 | 43.7 | 40.0 | 254 | 2.9 | 0.4 | 89 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 |
| | 53° | and 54° | - | 29.622 | 65.3 | 26.0 | 13.9 | 49.7 | 14.0 | 31.2 | 9.6 | 44.9 | 39.9 | 245 | 2.9 | 0.6 | 83 | 54 | 83.7 | 39.8 | 1.4 | 6 | 6 | 8 | 11 | 3.5 | 6.3 | 67 | 13.07 |
| | 54° | and 55° | - | 29.611 | 63.2 | 19.5 | 14.8 | 47.0 | 13.7 | 36.8 | 13.2 | 42.2 | 40.9 | 257 | 3.0 | 0.4 | 88 | 54 | 78.2 | 33.2 | 0.2 | 6 | 6 | 8 | 10 | 1.6 | 7.6 | 51 | 9.68 |
| Mean for the Quarter, 50° to 55° | { | Year 1885 | 29.681 | 59.8 | 19.5 | 14.0 | 37.7 | 37.0 | 30.5 | 10.9 | 42.4 | 38.8 | 239 | 2.7 | 0.5 | 87 | 54 | 63.5 | 32.8 | 0.9 | 7 | 7 | 6 | 11 | 2.1 | 6.7 | 59 | 11.80 | |
| " 1886 | | 29.593 | 71.2 | 16.2 | 15.0 | 50.0 | 13.8 | 37.3 | 11.4 | 44.3 | 41.2 | 264 | 3.0 | 0.4 | 88 | 54 | 70.2 | 32.4 | 1.0 | 5 | 4 | 6 | 11 | 2.1 | 6.7 | 59 | 11.80 | | |
| " 1887 | | 29.615 | 60.6 | 21.4 | 13.9 | 49.2 | 13.7 | 31.4 | 11.3 | 41.5 | 36.9 | 222 | 2.6 | 0.5 | 85 | 54 | 69.3 | 32.7 | 1.0 | 5 | 4 | 6 | 9 | 1.4 | 6.6 | 48 | 7.68 | | |
| " 1888 | | 29.645 | 66.4 | 23.7 | 12.7 | 50.9 | 13.9 | 33.4 | 11.6 | 44.6 | 41.3 | 260 | 3.0 | 0.5 | 87 | 54 | 75.4 | 34.9 | 1.1 | 6 | 7 | 8 | 9 | 1.5 | 7.0 | 48 | 8.78 | | |

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING MARCH 31, 1889.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING MARCH 31ST, 1889.

By JAMES GLAISHER, ESQ., F.R.S., &c.

The weather in January till the 8th day was cold and fog was very general, from the 9th the temperature was variable a few days together being a little above their averages, and then a few days a little below; the last few days of the month were warm. The atmospheric pressure was above its average till the 7th, and from the 13th to the 28th, and below on other days. The month was mostly cloudy, with a fall of rain below the average at all stations, with very little snow, and upon the whole the month was fine.

The weather in February was changeable and for the most part very cold, the first day was very warm, being 12° above its average, the second day was cold being more than 1° below its average, and from this day it was cold and unsettled, with the exception of the few days from the 14th to the 20th, which were generally warm; the end of the month was very cold and wintery. The atmospheric pressure was generally below its average, the fluctuations from day to day were sometimes great. The fall of rain was in excess at some places and in defect at others. Snow fell frequently, and the month was wintery.

The weather in March was generally cloudy and cold. The temperature was below its average constantly till the 7th, and was variable afterwards, with a few warm days together and then a few cold days, to the end of the month. The atmospheric pressure was below its average till the 11th, and from the 18th to the 21st, and mostly above on the remaining days. The fall of rain was generally in excess. The fall of snow during the first 12 days was frequent and at some places it was heavy. The melting of the snow caused great floods in Devon and Somerset on the 8th and 9th.

About London the mean daily temperature of the air was below its average from January 1st to the 8th, being particularly so on the 5th, 6th, and 7th, the mean deficiency for these 3 days being 10°·8; the mean daily deficiency for the 8 days being 7°·3; from January 9th to February 1st it was generally above, the mean daily excess for these 24 days being 1°·0; from February 2nd to the 13th, it was cold, being as much as 13° below the average on the 10th, 12°·1 on the 12th, and 10°·9 on the 13th; the mean daily deficiency for the 12 days being 6°·6; from February 14th to the 20th it was generally above, the mean daily excess being 3°·3; and from February 21st to March 31st it was generally below its average, being as much as 13° below on the 3rd, 4th, and 5th of March, the mean daily deficiency for these

From December to January there was a decrease of $3^{\circ}8$ at stations south of 51° ; between 51° and 52° of $3^{\circ}1$; between 52° and 53° of $4^{\circ}3$; between 53° and 54° of $1^{\circ}4$; and at stations north of this parallel of $2^{\circ}6$.

From January to February there was a decrease of $0^{\circ}8$ at stations south of 51° ; between 51° and 53° there was an increase of $0^{\circ}3$; and at stations north of this parallel there was a decrease of $1^{\circ}6$.

From February to March there was an increase of $1^{\circ}7$ at stations south of 51° ; between 51° and 53° of $3^{\circ}1$; and at stations north of this parallel of $2^{\circ}0$.

The mean reading of the barometer at the height of 159 ft. above the sea level for the month of January was 29.990 ins., being $0^{\circ}234$ in. above the average of 48 years. It was $0^{\circ}063$ in. lower than in 1888, $0^{\circ}159$ in. and $0^{\circ}515$ in. higher than in 1887 and 1886 respectively; and there were only eight instances of as high or higher readings back to the year 1841, viz.:—

| | | |
|-------------------------|-------------------------|-------------------------|
| 1888 it was 30.053 ins. | 1876 it was 30.095 ins. | 1858 it was 30.171 ins. |
| 1882 " 30.185 " | 1864 " 30.044 " | 1855 " 29.998 " |
| 1880 " 30.204 " | 1861 " 30.011 " | |

| 1889. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|------|----------------|--|--|-------|--|-------|--|-------|--|----------|---|---------|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | |
| | | Mean. | Diff. from ave- rage of 48 years. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. |
| Jan. - | 37.1 | +0.5 | -1.3 | 34.1 | -0.8 | 34.6 | -0.2 | 9.3 | -0.2 | .200 | in. .000 | 2.3 | grs. -1 |
| Feb. - | 37.0 | -1.9 | -2.4 | 31.9 | -2.9 | 32.1 | -3.1 | 11.3 | +0.3 | .183 | -.026 | 2.1 | -3 |
| Mar. - | 40.6 | -0.6 | -0.9 | 33.0 | -1.1 | 34.6 | -1.2 | 15.3 | +0.7 | .200 | -.014 | 2.4 | -1 |
| Means - | 38.2 | -0.6 | -1.5 | 33.3 | -1.6 | 33.8 | -1.5 | 17.0 | +0.3 | .194 | -.013 | 2.3 | -2 |

| 1889. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----|------------------------|--|--------------------------|--|--------------------------------------|--|-----------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Amount. | Diff. from ave- rage of 74 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 80°. | Be- tween 30° and 40°. | Above 40°. | | |
| Jan. - | 91 | + 4 | in. 29.997 | + 2.34 | grs. 5.69 | + 5 | in. 0.84 | -1.04 | Miles. 212 | 10 | 21 | 0 | 21.2 | 39.2 | |
| Feb. - | 83 | 0 | 29.718 | - 0.78 | 5.55 | + 2 | 2.20 | +0.64 | 384 | 22 | 5 | 1 | 15.6 | 42.0 | |
| Mar. - | 79 | - 2 | 29.804 | + 0.55 | 5.52 | + 2 | 1.32 | -0.22 | 392 | 21 | 8 | 2 | 12.3 | 42.3 | |
| Means | 84 | + 1 | 29.837 | + 0.70 | 5.55 | + 3 | Sum 4.36 | Sum -0.62 | Mean 330 | Sum 53 | Sum 34 | Sum 3 | Lowest 12.3 | Highest 42.3 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|--------|----------|-------------------------------|
| | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 13 | + 9 | 9 | 23 | + 14 | 3 | 3 | 0 |
| N. | 3 | 3 | 0 | 5 | 3 | + 2 | 5 | 4 | + 1 |
| N.E. | 6 | 3 | + 3 | 4 | 4 | 0 | 5 | 4 | + 1 |
| E. | 0 | 4 | - 4 | 1 | 2 | - 1 | 2 | 3 | - 1 |
| S.E. | 4 | 3 | + 1 | 2 | 13 | - 11 | 1 | 23 | - 22 |
| S. | 4 | 3 | + 1 | 2 | 3 | - 1 | 3 | 3 | 0 |
| S.W. | 8 | 9 | - 1 | 4 | 9 | - 5 | 8 | 8 | 0 |
| W. | 2 | 4 | - 2 | 3 | 3 | 0 | 4 | 3 | + 1 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in January are opposite to N.E., N.W., and S.E.; in February to N.W. and N.; and in March to N., N.E., and W.

The sign (-) denotes deficiencies below averages. In January this sign is opposite to W. and S.W.; in February to S.W., S.E., E., and S.; and in March to S.E. and E.

The mean reading of the barometer for February was 29.718 ins., being $0^{\circ}c$ 8 in. below the average of 48 years. It was $0^{\circ}059$ in., $0^{\circ}427$ in., and $0^{\circ}227$ in. lower than in 1888, 1887, and 1886 respectively.

The mean reading of the barometer for March was 29.804 ins., being $0^{\circ}05$ in. above the average of 48 years. It was $0^{\circ}373$ in. higher than in 1888, $0^{\circ}087$ in. lower than in 1887, and $0^{\circ}012$ in. higher than in 1886.

From December to January there was an increase of atmospheric pressure at all stations; at those south of 51° of $0^{\circ}24$ in.; between 51° and 53° of $0^{\circ}19$ in.; and at stations north of this parallel of $0^{\circ}23$ in.

From January to February there was a decrease of $0^{\circ}17$ in. at stations south of 51° ; between 51° and 53° of $0^{\circ}26$ in.; and at stations north of this parallel of $0^{\circ}22$ in.

From February to March there was an increase of $0^{\circ}03$ in. at stations south of 51° ; between 51° and 52° of $0^{\circ}06$ in.; between 52° and 53° of $0^{\circ}08$ in.; between 53° and 54° of $0^{\circ}06$ in.; and between 54° and 55° of $0^{\circ}03$ in.

About London the atmospheric pressure was above its average till January 7th, the mean daily excess being $0^{\circ}42$ in.; from January 8th to the 12th it was below, the mean daily deficiency being $0^{\circ}31$ in.; from January 13th to 28th it was above, the mean daily excess for these 16 days being $0^{\circ}40$ in.; from January 29th to February 1st it was generally below, the mean daily deficiency for these 18 days being $0^{\circ}19$ in.; from February 16th to the 25th it was above, the mean daily excess being $0^{\circ}19$ in.; from February 26th to March 11th it was below, the mean daily deficiency being $0^{\circ}28$ in.; from March 12th to 17th it was above, the mean daily excess being $0^{\circ}26$ in.; from March 18th to the 21st it was below, being as much as $1^{\circ}01$ in. below, the average on the 20th, the mean daily deficiency for the 4 days being $0^{\circ}60$ in.; and from March 22nd to the 31st it was generally above, the mean daily excess being $0^{\circ}21$ in.

Thunderstorms occurred in February on the 2nd at Camden Square, Liverpool, Halifax, and Bradford.

Thunder was heard but lightning was not seen in January on the 22nd at Somerleyton.

In February on the 2nd and 8th at Halifax.

In March on the 20th at Somerleyton, and on the 31st at Osborne and Wolverhampton.

Lightning was seen but thunder was not heard in February on the 1st at Stonyhurst; on the 2nd at Torquay and Osborne; on the 3rd at Torquay; and on the 8th at Halifax.

Solar halos were seen in January on the 26th at Liverpool, and on the 28th at Torquay and Liverpool.

In February on the 14th and 19th at Liverpool, and on the 23rd at Torquay.

In March on the 4th at Oxford; on the 6th at Torquay, Liverpool, and Halifax; on the 10th at Liverpool and Halifax; on the 12th at Torquay; on the 13th at Halifax; on the 18th at Torquay and Halifax; on the 22nd at Liverpool and Halifax; on the 23rd at Oxford and Liverpool; and on the 27th and 29th at Liverpool.

Lunar halos were seen in January on the 7th at Halifax; on the 10th at Cambridge; on the 17th at Liverpool; and on the 18th and 22nd at Oxford.

In February on the 7th at Halifax and Stonyhurst; on the 12th at Liverpool; on the 14th at Guernsey; on the 15th at Oxford, Liverpool, and Bradford; on the 16th at Torquay; and on the 17th at Liverpool.

In March on the 9th at Torquay, Oxford, and Cambridge; on the 10th at Oxford; on the 12th at Liverpool; on the 15th at Plymouth; on the 20th at Oxford; and on the 22nd at Whitechurch and Oxford.

Snow fell in January on the 7th at Liverpool; on the 10th at Torquay, Blackheath, Camden Square, and Royston; on the 12th at Salisbury, Bath, Whitechurch, Blackheath, Oxford, Royston, Cambridge, Rugby, Somerleyton, Halifax, and Bradford; and on the 22nd at Bath.

In February on the 1st at Wolverhampton and Hull; on the 2nd at Torquay and in the Midland and Northern Counties; on the 3rd at Torquay, Eastbourne, Osborne, Blackheath, Royston, Cambridge, Rugby, Somerleyton, Halifax, Bradford, and Carlisle; on the 4th at Guernsey, Osborne, and in the Midland and Northern Counties; on the 5th at Eastbourne, Royston, Somerleyton, Liverpool, and Stonyhurst; on the 6th at Wolverhampton and Hull; on the 7th at Camden Square, Royston, Cambridge, Halifax, Hull, Stonyhurst, Bradford, and Carlisle; on the 8th at Whitechurch, Blackheath, Oxford, Royston, Somerleyton, Wolverhampton, Llandudno, Liverpool, Halifax, and Bradford; on the 9th at Torquay, Eastbourne, Osborne, Whitechurch, Wolverhampton, Llandudno, and Liverpool; on the 10th it was general throughout the country; on the 11th at Guernsey, Torquay, Eastbourne, Osborne, and in the Midland and Northern Counties; on the 12th at Truro, Torquay, Eastbourne, Whitechurch, Blackheath, Camden Square, Barnet, Wolverhampton, Liverpool, Hull, and Carlisle; on the 13th at Ventnor, Salisbury, Whitechurch, Blackheath, Camden Square, Oxford, Royston, Cambridge, Halifax, Hull, and Stonyhurst; on the 14th at Ventnor and Whitechurch; on the 15th at Wolverhampton; on the 16th at Royston, Cambridge, Liverpool, Halifax, and Stonyhurst; on the 21st at Royston, Cambridge, and Hull; on the 22nd at Royston, Cambridge, Somerleyton, Wolverhampton, and Hull; on the 23rd at Guernsey, Eastbourne, Blackheath, Camden Square, Royston, Cambridge, Rugby, Somerleyton, and in the Northern Counties; on the 24th at Guernsey, Truro, Eastbourne, Osborne, and in the Midland and Northern Counties; and on the 25th, 26th, 27th, and 28th it was general throughout the country.

In March on the 1st at Guernsey, Truro, Torquay, Osborne, Salisbury, Bath, Whitechurch, Blackheath, Oxford, Royston, Cambridge, and in the Northern Counties; on the 2nd at Guernsey, Truro, Torquay, Osborne, Whitechurch, Blackheath, Royston, Cambridge, Somerleyton, and in the Northern Counties; on the 3rd at Truro, Torquay, Royston, Somerleyton, and Carlisle; on the 4th at Torquay, Osborne, Salisbury, Bath, Whitechurch, Llandudno, and Liverpool; on the 5th at Guernsey, Torquay, Liverpool, Hull, and Stonyhurst; on the 6th at Wolverhampton; on the 7th at Oxford, Royston, Cambridge, Wolverhampton, Liverpool, and Halifax; on the 8th at Bath, Somerleyton, Liverpool, Halifax, Stonyhurst, Bradford, and Leeds; on the 9th at Royston and Halifax; on the 12th at Whitechurch; on the 15th at Carlisle; on the 20th at Halifax and Bradford; on the 21st at Torquay, Salisbury, Bath, Whitechurch, Blackheath, Oxford, Royston, Cambridge, and in the Northern Counties; and on the 26th at Cambridge.

Hail fell in January on the 9th at Truro and Torquay; on the 10th at Torquay; and on the 12th at Blackheath and Hull.

In February on the 1st at Truro and Liverpool; on the 2nd at Guernsey, Plymouth, Eastbourne, Bath, Oxford, Llandudno, Liverpool, Halifax, Stonyhurst, and Bradford; on the 3rd at Torquay, Bath, Cambridge, and Bradford; on the 4th at Hull; on the 8th at Royston, Liverpool, Halifax, Hull, and Stonyhurst; on the 9th at Truro and Liverpool; on the 11th and 12th at Truro and Hull; on the 13th at Hull; on the 15th at Torquay, Liverpool, and Stonyhurst; on the 16th at Torquay and Hull; on the 21st at Blackheath; on the 22nd at Royston and Somerleyton; on the 24th at Torquay, Somerleyton, and Hull; on the 25th at Hull; on the 26th and 27th at Torquay and Hull; and on the 28th at Hull.

In March on the 1st, 2nd, and 3rd at Torquay; on the 6th at Stonyhurst; on the 9th at Royston; on the 19th at Torquay; on the 20th at Torquay and Royston; on the 26th at Salisbury and Royston; on the 27th at Blackheath; and on the 31st at Torquay, Salisbury, Wolverhampton, Stonyhurst, and Bradford.

Fog prevailed in January on the 1st at Blackheath, Camden Square, Oxford, Royston, Cambridge, Rugby, Somerleyton, Wolverhampton, Llandudno, Liverpool, Hull, and Stonyhurst; on the 2nd and 3rd it was general throughout the Midland and Northern Counties; on the 4th and 5th it was general throughout the Midland Counties; on the 6th at Eastbourne, Bath, Whitechurch, Blackheath, Camden Square, Oxford, Royston, Cambridge, Rugby, Wolverhampton, Liverpool, Hull, Stonyhurst, and Bradford; on the 7th at Truro, Blackheath, Camden Square, Oxford, Cambridge, Somerleyton, Hull, Stonyhurst, and Leeds; on the 8th at Camden Square, Cambridge, and Bradford; on the 10th at Oxford and Cambridge; on the 11th at Oxford, Rugby, and Hull; on the 13th at Whitechurch and Royston; on the 14th, 15th, and 16th at Cambridge; on the 17th at Plymouth, Salisbury, Whitechurch, Camden Square, Oxford, Rugby, and Stonyhurst; on the 18th at Truro; on the 20th at Bath, Blackheath, Somerleyton, and Hull; on the 21st at Whitechurch, Blackheath, Camden Square, Cambridge, Rugby, and Hull; on the 23rd at Truro, Salisbury, Whitechurch, Blackheath, Oxford, Cambridge, and Hull; on the 24th at Salisbury, Blackheath, Cambridge, Somerleyton, and Hull; and on the 30th and 31st at Guernsey.

In February on the 1st at Guernsey, Torquay, and Ventnor; on the 5th at Plymouth; on the 13th at Stonyhurst; on the 17th and 18th at Guernsey; and on the 19th at Plymouth.

In March on the 2nd at Cambridge; on the 3rd at Torquay; on the 4th, 5th, and 6th at Cambridge; on the 7th at Plymouth, Torquay, and Bath; on the 8th at Torquay and Bath; on the 11th at Wolverhampton; on the 15th at Torquay; on the 23rd, 24th, and 25th at Plymouth; on the 29th at Somerleyton; and on the 30th at Plymouth.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31ST, 1889.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

[illegible]

| Year 1889. | Month. | Height of Station above Sea Level. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Weight of a cubic foot of Air. | Mean Reading of Thermometer. | | Wind. | | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | | | | | |
|---------------------------------------|--------|--|----------------------------------|--------|------------------------------|---------|--------|-------|-------------------|------|------------|----------------|-------------------------------------|------------------------------|----------------------|--------------------------|-------------------------|-----------------------|-------------------------|-------------------|--------------------|---------------------|------------------------|------|------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | | Mean. | Short of Saturation. | Mean Degree of Humidity. | Maximum in Rays of Sun. | | | | Minimum in Grains. | Estimated Strength. | Relative Proportion of | | |
| | | | | | | | | N. | E. | | | | | | | | | | | | | | S. | W. | |
| BLACKHEATH (Kent). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 995 | 1 317 | 53.5 | 19.0 | 34.5 | 40.4 | 30.0 | 10.4 | 35.6 | 31.1 | 1.07 | 2.2 | 0.2 | 83 | 561 | 48.2 | 0 | 0.6 | 8 | 8.4 | 6 | 0.82 | | | |
| Feb. | 29 718 | 1 241 | 53.0 | 17.2 | 35.8 | 41.9 | 39.8 | 11.1 | 35.9 | 33.7 | 1.04 | 2.2 | 0.2 | 84 | 562 | 48.2 | 0 | 0.9 | 11 | 3 | 4 | 10 | 9.32 | | |
| Mar. | 29 785 | 1 069 | 58.0 | 17.0 | 41.9 | 47.7 | 47.7 | 22.3 | 39.0 | 35.8 | 2.10 | 2.4 | 0.4 | 89 | 564 | 48.2 | 0 | 0.3 | 9 | 5 | 8 | 9 | 9.32 | | |
| CAMDEN SQUARE (London). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 30 051 | 1 412 | 53.1 | 22.0 | 31.1 | 41.8 | 32.4 | 9.4 | 37.5 | 34.4 | 1.09 | 2.3 | 0.3 | 89 | 560 | 49.6 | 38.1 | 1 | 8 | 5 | 7 | 7.3 | 0.81 | | |
| Feb. | 29 718 | 1 241 | 53.0 | 17.2 | 35.8 | 41.9 | 39.8 | 11.1 | 35.9 | 33.7 | 1.04 | 2.2 | 0.2 | 84 | 562 | 48.2 | 0 | 1 | 11 | 6 | 4 | 11 | 7.3 | | |
| Mar. | 29 785 | 1 069 | 58.0 | 17.0 | 41.9 | 47.7 | 47.7 | 22.3 | 39.0 | 35.8 | 2.10 | 2.4 | 0.4 | 89 | 564 | 48.2 | 0 | 1 | 9 | 6 | 7 | 9 | 7.3 | | |
| TOTTENHAM. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 134 | 1 288 | 53.2 | 22.6 | 20.3 | 41.2 | 31.6 | 9.6 | 36.3 | 33.6 | 1.13 | 2.2 | 0.3 | 90 | 561 | 49.7 | 0.8 | 9 | 5 | 8 | 9 | 7.3 | 0.78 | | |
| Feb. | 29 851 | 1 234 | 49.7 | 14.0 | 43.0 | 43.0 | 31.9 | 11.2 | 37.0 | 35.6 | 1.02 | 2.2 | 0.4 | 88 | 557 | 49.5 | 1.1 | 11 | 3 | 4 | 10 | 6.7 | 0.78 | | |
| Mar. | 29 882 | 1 564 | 60.0 | 19.3 | 40.7 | 48.5 | 33.7 | 11.8 | 40.0 | 35.6 | 2.09 | 2.4 | 0.5 | 83 | 550 | 51.3 | 0 | 7 | 6 | 6 | 12 | 7.7 | 1.48 | | |
| BARNET (Gas Works). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 039 | 1 399 | 57.8 | 17.5 | 49.3 | 41.7 | 19.2 | 12.5 | 35.8 | 33.3 | 2.09 | 2.5 | 0.4 | 85 | 533 | 88.7 | 0 | 3 | 5 | 10 | 7 | 7.4 | 0.87 | | |
| Feb. | 29 718 | 1 241 | 53.0 | 17.2 | 40.8 | 42.2 | 30.5 | 11.7 | 38.1 | 33.4 | 1.92 | 2.2 | 0.3 | 91 | 561 | 55.8 | 0 | 11 | 3 | 5 | 12 | 7.1 | 1.03 | | |
| Mar. | 29 777 | 1 588 | 59.0 | 12.7 | 45.3 | 48.2 | 31.0 | 17.2 | 39.1 | 34.7 | 2.42 | 2.5 | 0.5 | 83 | 553 | 88.7 | 0 | 7 | 11 | 6 | 7 | 6.7 | 1.63 | | |
| OXFORD (The Observatory). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 938 | 1 442 | 50.9 | 19.7 | 31.2 | 41.3 | 31.1 | 10.2 | 38.7 | 34.6 | 2.0 | 2.3 | 0.3 | 92 | 559 | 69.3 | 27.6 | 1 | 7 | 6 | 3 | 11 | 0.0 | 0.79 | |
| Feb. | 29 838 | 1 244 | 48.7 | 12.7 | 35.0 | 42.4 | 37.3 | 10.1 | 36.8 | 34.3 | 1.19 | 2.3 | 0.3 | 92 | 554 | 73.6 | 28.4 | 2 | 10 | 4 | 5 | 11 | 0.3 | 0.64 | |
| Mar. | 29 753 | 1 630 | 60.7 | 12.7 | 38.0 | 48.1 | 31.6 | 13.5 | 41.0 | 35.5 | 2.15 | 2.5 | 0.5 | 84 | 561 | 88.4 | 30.2 | 2 | 5 | 8 | 5 | 6 | 1.2 | 1.59 | |
| ROYSTON (Hertfordshire). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 012 | 1 403 | 50.4 | 17.2 | 33.2 | 40.3 | 30.5 | 6.7 | 34.8 | 32.4 | 1.83 | 2.1 | 0.2 | 80 | 554 | — | — | — | 9 | 6 | 8 | 10 | 7.0 | 0.95 | |
| Feb. | 2 632 | 1 351 | 46.1 | 18.1 | 38.0 | 43.7 | 30.4 | 12.3 | 35.3 | 32.3 | 1.81 | 2.1 | 0.3 | 83 | 551 | — | — | — | 10 | 3 | 8 | 9 | 7.3 | 1.23 | |
| Mar. | 29 702 | 1 494 | 62.4 | 18.8 | 43.6 | 47.8 | 32.4 | 15.4 | 39.5 | 34.7 | 2.30 | 2.3 | 0.5 | 83 | 551 | — | — | — | 9 | 5 | 8 | 9 | 7.0 | 1.11 | |
| CAMBRIDGE (Trinity College). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 30 058 | 1 320 | 54.0 | 14.0 | 40.0 | 41.0 | 50.5 | 10.5 | 35.9 | 32.4 | 1.81 | 2.2 | 0.3 | 88 | 563 | 63.6 | 26.8 | 1 | 7 | 5 | 9 | 10 | 7.1 | 0.72 | |
| Feb. | 29 823 | 1 256 | 53.8 | 12.5 | 44.5 | 43.0 | 39.6 | 12.4 | 6.3 | 38.2 | 1.86 | 2.2 | 0.3 | 82 | 568 | 56.3 | 27.4 | 1 | 10 | 3 | 9 | 10 | 7.1 | 1.08 | |
| Mar. | 29 856 | 1 610 | 63.8 | 10.0 | 49.7 | 52.9 | 16.8 | 40.2 | 38.2 | 33.3 | 2.3 | 2.7 | 0.3 | 93 | 554 | 50.2 | 38.9 | 1 | 4 | 9 | 5 | 8 | 9 | 7.2 | 1.11 |
| RUGBY (Warwickshire). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 820 | 1 332 | 50.2 | 12.8 | 37.4 | 40.8 | 29.3 | 11.5 | 35.8 | 31.0 | 1.67 | 2.3 | 0.2 | 83 | 553 | — | — | — | 8 | 5 | 8 | 10 | 7.4 | 0.70 | |
| Feb. | 29 820 | 1 332 | 50.2 | 12.8 | 37.4 | 40.8 | 29.3 | 11.5 | 35.8 | 31.0 | 1.67 | 2.3 | 0.2 | 83 | 553 | — | — | — | 11 | 2 | 5 | 9 | 10 | 7.4 | 0.72 |
| Mar. | 29 705 | 1 012 | 60.7 | 18.4 | 42.3 | 48.5 | 31.9 | 10.6 | 39.5 | 36.2 | 2.11 | 2.7 | 0.1 | 91 | 561 | — | — | — | 7 | 6 | 7 | 11 | 6.6 | 1.24 | |
| SOMERLEYTON (Suffolk). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 30 055 | 1 348 | 54.0 | 18.7 | 35.3 | 42.2 | 30.9 | 11.3 | 36.5 | 34.0 | 1.91 | 2.3 | 0.3 | 91 | 561 | — | — | — | 8 | 5 | 8 | 10 | 7.5 | 0.70 | |
| Feb. | 29 767 | 1 334 | 58.0 | 12.7 | 43.8 | 42.8 | 18.6 | 11.9 | 35.8 | 31.9 | 1.81 | 2.6 | 0.4 | 86 | 557 | — | — | — | 11 | 2 | 5 | 9 | 10 | 7.5 | 0.72 |
| Mar. | 29 885 | 1 620 | 65.0 | 20.0 | 46.9 | 46.9 | 33.4 | 13.5 | 39.5 | 35.7 | 2.69 | 2.4 | 0.4 | 85 | 555 | — | — | — | 7 | 6 | 8 | 10 | 7.8 | 1.45 | |
| WOLVERHAMPTON (Staffordshire). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 041 | 1 433 | 50.8 | 31.1 | 39.7 | 40.4 | 31.4 | 9.0 | 36.2 | 33.9 | 1.67 | 2.3 | 0.2 | 92 | 554 | — | — | — | 8 | 5 | 10 | 8 | 7.8 | 1.45 | |
| Feb. | 29 451 | 1 148 | 54.9 | 18.8 | 39.4 | 44.4 | 30.5 | 11.9 | 6.0 | 32.3 | 1.84 | 2.1 | 0.6 | 87 | 559 | — | — | — | 11 | 3 | 8 | 9 | 7.2 | 1.45 | |
| Mar. | 29 451 | 1 612 | 39.0 | 11.7 | 37.3 | 44.8 | 26.6 | 12.2 | 57.9 | 34.1 | 1.67 | 2.5 | 0.4 | 87 | 549 | — | — | — | 1 | 7 | 11 | 6 | 6.8 | 1.24 | |
| NOTTINGHAM (Notts). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29 904 | 1 401 | 51.1 | 30.5 | 39.8 | 40.8 | 41.6 | 9.3 | 36.6 | 31.5 | 1.69 | 2.2 | 0.3 | 89 | 553 | 69.0 | 29.3 | 0 | 7 | 6 | 7 | 11 | 0.6 | 1.75 | |
| Feb. | 29 931 | 1 080 | 53.0 | 31.0 | 32.3 | 42.7 | 31.2 | 11.5 | 37.0 | 32.8 | 1.81 | 2.1 | 0.3 | 83 | 553 | 71.2 | 31.4 | 0 | 10 | 7 | 6 | 11 | 0.6 | 1.48 | |
| Mar. | 29 708 | 1 731 | 61.0 | 23.5 | 37.5 | 46.7 | 33.9 | 12.8 | 39.9 | 34.4 | 2.0 | 2.6 | 0.5 | 81 | 551 | 51.4 | 31.4 | 0 | 6 | 11 | 6 | 11 | 0.6 | 3.47 | |
| LLANDUDNO (Carnarvonshire). | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 30 021 | 1 540 | 51.9 | 31.2 | 22.7 | 43.5 | 38.1 | 7.4 | 42.1 | 37.4 | 2.2 | 2.6 | 0.5 | 81 | 554 | — | — | — | 7 | 6 | 4 | 8 | 6.8 | 1.21 | |
| Feb. | 29 521 | 1 240 | 54.0 | 27.5 | 28.5 | 45.3 | 35.7 | 9.6 | 40.7 | 33.9 | 1.61 | 2.1 | 0.7 | 83 | 553 | — | — | — | 1 | 9 | 4 | 10 | 6.8 | 1.94 | |
| Mar. | 29 535 | 1 700 | 54.9 | 25.5 | 29.4 | 45.9 | 37.1 | 8.8 | 41.6 | 35.8 | 2.0 | 2.4 | 0.6 | 80 | 552 | — | — | — | 0 | 8 | 4 | 10 | 6.8 | 1.77 | |

| Year 1889. | Month. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | | | | | | | |
|---------------|--------|--|-------------------------------------|----------------------------------|--------|----------|------------------------------|--------|-------|---------|------------|------------------------------|----------------------------|---|--|----------------------------|-----------------------|------------------------|---------------------------|----|-----|-----------------------------|----------------------------|---------------------------|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | Air. | Dew Point. | Elastic Force. | In a cubic foot of Air. | Mean Degree of Humi- dity, Sat. = 100. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum in Grains. | Estimated Strength. | Relative Proportion of | | | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. |
| | | | | | | | | | | | | | | | | | | | N. | E. | W. | | | |
| { 187 | Jan. | 29 098 | 1 506 | 54.0 | 22.2 | 31.8 | 43.2 | 35.3 | 7.9 | 59.0 | 56.0 | 2.12 | 2.4 | 0.4 | 87 | 550 | 48.2 | 0 | 0.2 | 8 | 8.4 | 6 | 0.82 | 1.76 |
| | Feb. | 29 718 | 1 241 | 53.0 | 17.2 | 35.8 | 41.9 | 39.8 | 8.5 | 58.2 | 54.7 | 1.78 | 2.1 | 0.7 | 77 | 553 | 48.1 | 0 | 0.4 | 11 | 7.3 | 19 | 2.0 | 2.12 |
| | Mar. | 29 785 | 1 069 | 58.0 | 17.0 | 41.9 | 47.7 | 47.7 | 22.3 | 59.0 | 55.8 | 2.06 | 2.4 | 0.5 | 84 | 562 | 48.1 | 0 | 0.4 | 11 | 6.9 | 20 | 2.0 | 2.12 |
| { 339 | Jan. | 29 543 | 1 868 | 40.7 | 20.0 | 24.7 | 42.0 | 31.8 | 10.2 | 57.3 | 53.3 | 1.06 | 2.4 | 0.4 | 93 | 551 | 48.8 | 0 | 0.4 | 9 | 10 | 8.0 | 16 | 1.47 |
| | Feb. | 29 543 | 1 755 | 42.0 | 20.5 | 21.5 | 40.7 | 30.8 | 9.9 | 56.2 | 51.8 | 1.89 | 2.1 | 0.4 | 89 | 549 | 49.0 | 0 | 0.4 | 6 | 10 | 7.4 | 16 | 2.82 |
| | Mar. | 29 581 | 1 765 | 37.5 | 12.0 | 45.5 | 45.5 | 32.1 | 13.2 | 57.9 | 54.7 | 1.65 | 1.9 | 0.8 | 72 | 548 | 49.6 | 0 | 0.3 | 9 | 10 | 7.3 | 16 | 2.82 |
| { 6 | Jan. | 29 124 | 1 342 | 63.0 | 21.0 | 32.0 | 42.8 | 31.3 | 11.5 | 57.6 | 53.8 | 1.91 | 2.2 | 0.4 | 86 | 551 | 49.2 | 0 | 0.4 | 7 | 9 | 8.0 | 16 | 1.47 |
| | Feb. | 29 888 | 1 318 | 65.0 | 18.0 | 37.0 | 42.1 | 30.1 | 12.0 | 57.3 | 54.2 | 1.87 | 2.5 | 0.4 | 89 | 557 | 49.1 | 0 | 0.3 | 6 | 10 | 7.4 | 16 | 2.82 |
| | Mar. | 29 944 | 1 260 | 62.0 | 17.0 | 45.0 | 47.5 | 32.5 | 15.0 | 59.7 | 54.4 | 2.60 | 2.3 | 0.5 | 87 | 556 | 49.8 | 0 | 0.3 | 5 | 6 | 6.5 | 16 | 2.82 |
| { 304 | Jan. | 29 887 | 1 440 | 57.5 | 23.4 | 24.1 | 43.8 | 33.9 | 7.9 | 40.0 | 36.9 | 1.19 | 2.5 | 0.4 | 88 | 550 | 49.8 | 0 | 0.3 | 6 | 8 | 6.6 | 13 | 1.58 |
| | Feb. | 29 462 | 1 297 | 53.8 | 24.6 | 39.2 | 42.9 | 33.5 | 9.4 | 37.8 | 33.3 | 1.62 | 2.2 | 0.4 | 89 | 557 | 49.1 | 0 | 0.3 | 5 | 3 | 5.1 | 22 | 1.45 |
| | Mar. | 29 556 | 1 775 | 57.8 | 21.3 | 35.5 | 45.4 | 34.3 | 11.1 | 39.3 | 33.6 | 1.93 | 2.2 | 0.6 | 81 | 549 | 49.7 | 0 | 0.4 | 10 | 6 | 6.4 | 16 | 2.83 |
| { 137 | Jan. | 29 257 | 1 434 | 54.0 | 26.0 | 28.0 | 43.0 | 33.9 | 7.7 | 40.0 | 39.1 | 2.03 | 2.3 | 0.4 | 86 | 556 | 49.1 | 0 | 0.4 | 10 | 6 | 6.4 | 16 | 1.86 |
| | Feb. | 29 711 | 1 282 | 55.0 | 23.0 | 32.0 | 43.2 | 34.1 | 9.1 | 38.0 | 31.3 | 2.13 | 2.0 | 0.4 | 86 | 556 | 49.1 | 0 | 0.3 | 6 | 8 | 7.0 | 16 | 1.47 |
| | Mar. | 29 789 | 1 789 | 59.0 | 20.0 | 39.0 | 46.9 | 35.7 | 11.2 | 40.1 | 34.6 | 1.60 | 2.3 | 0.6 | 81 | 549 | 49.7 | 0 | 0.4 | 10 | 6 | 6.4 | 16 | 1.86 |
| { 363 | Jan. | 29 740 | 1 610 | 62.0 | 33.0 | 28.1 | 43.8 | 34.0 | 9.8 | 38.8 | 35.8 | 2.11 | 2.5 | 0.3 | 90 | 553 | 49.3 | 0 | 0.3 | 7 | 10 | 8.0 | 13 | 1.50 |
| | Feb. | 29 201 | 1 293 | 61.0 | 17.8 | 33.2 | 42.8 | 29.7 | 13.1 | 31.3 | 29.5 | 2.44 | 2.0 | 0.5 | 81 | 552 | 49.4 | 0 | 0.3 | 10 | 4 | 7.3 | 22 | 3.49 |
| | Mar. | 29 652 | 1 780 | 57.0 | 19.2 | 37.8 | 46.4 | 32.6 | 13.6 | 39.1 | 34.5 | 2.00 | 2.3 | 0.5 | 84 | 549 | 49.6 | 0 | 0.3 | 8 | 8.3 | 19 | 4.07 | |
| { 114 | Jan. | 29 945 | 1 484 | 65.5 | 21.5 | 34.0 | 45.1 | 33.5 | 11.9 | 39.6 | 36.2 | 2.31 | 2.7 | 0.1 | 95 | 556 | 49.8 | 0 | 0.3 | 9 | 10 | 1.4 | 8.0 | 1.5 |
| | Feb. | 29 734 | 1 276 | 62.6 | 18.8 | 33.8 | 44.9 | 31.4 | 15.5 | 38.5 | 34.6 | 1.84 | 2.1 | 0.6 | 79 | 554 | 49.4 | 0 | 0.3 | 5 | 4 | 12 | 1.7 | 1.61 |
| | Mar. | 29 761 | 1 962 | 60.8 | 16.2 | 40.6 | 48.5 | 33.3 | 15.2 | 40.3 | 38.9 | 2.36 | 2.6 | 0.1 | 95 | 552 | 49.7 | 0 | 0.3 | 6 | 7 | 10 | 1.3 | 2.30 |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | WIND. | | | | Mean Amount of Onset. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. | | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|------------------------|-----|-----|----|-----------------------|-----------------------|----------------------------------|-------|-------|------|
| | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | |
| Guernsey | 29.880 | 53.8 | 28.8 | 25.0 | 45.2 | 38.3 | 31.4 | 7.9 | 42.1 | 37.6 | 22.6 | 2.6 | 0.8 | 85 | 550 | 80.2 | 32.6 | 1.2 | 8 | 5 | 6 | 11 | 3.0 | 7.2 | 53 | 6.74 | |
| Truro | 29.838 | 53.0 | 29.0 | 40.0 | 51.3 | 33.1 | 36.3 | 16.2 | 42.3 | 35.1 | 22.5 | 2.3 | 0.8 | 73 | 553 | - | - | 1.6 | 10 | 5 | 5 | 10 | - | 7.5 | 53 | 10.25 | |
| Plymouth | 29.832 | 57.5 | 26.2 | 31.3 | 46.3 | 37.1 | 27.1 | 10.1 | 41.8 | 37.8 | 22.9 | 2.6 | 0.4 | 88 | 555 | 90.7 | 33.8 | 1.4 | 8 | 7 | 5 | 10 | - | 7.2 | 45 | 6.65 | |
| Forquay | 29.841 | 58.6 | 34.4 | 4.2 | 48.9 | 36.4 | 2.7 | 40.5 | 41.5 | 36.9 | 22.6 | 2.6 | 0.3 | 84 | 553 | 82.7 | 31.8 | 1.5 | 9 | 6 | 10 | 4.1 | - | 7.2 | 45 | 6.65 | |
| Eastbourne | - | 54.5 | 25.4 | 3.2 | 44.8 | 34.1 | 30.8 | 10.8 | 39.5 | 37.4 | 22.7 | 2.7 | 0.5 | 85 | - | 80.5 | 29.6 | 0.6 | 11 | 4 | 5 | 10 | 1.1 | 6.7 | 51 | 5.51 | |
| Osborne | 29.820 | 63.5 | 23.0 | 40.0 | 45.0 | 34.6 | 33.1 | 1.2 | 39.0 | 36.6 | 22.0 | 2.3 | 0.9 | 91 | 551 | 74.3 | 30.1 | 0.3 | 9 | 6 | 7 | 9 | - | 6.1 | 48 | 4.69 | |
| Salisbury | 29.876 | 65.0 | 13.0 | 19.0 | 45.0 | 30.3 | 39.3 | 15.7 | 34.4 | 34.3 | 22.0 | 2.4 | 0.4 | 86 | 555 | 70.0 | - | - | 1.2 | 13 | 5 | 5 | 7 | - | 7.5 | 55 | 5.91 |
| Barnstaple | - | 54.0 | 21.0 | 40.0 | 46.9 | 35.2 | 27.0 | 10.7 | 41.7 | 36.7 | 21.8 | 2.4 | 0.6 | 83 | - | 72.7 | - | - | 1.2 | 8 | 5 | 9 | - | 5.1 | 39 | 7.7 | 5.0 |
| Bath | 29.850 | 64.7 | 15.0 | 16.7 | 49.2 | 34.2 | 35.3 | 14.3 | 38.7 | 37.9 | 22.3 | 2.4 | 0.3 | 89 | 548 | 76.5 | 31.4 | 1.3 | 9 | 5 | 7 | 9 | - | 7.6 | 45 | 8.00 | |
| Whitechurch | 29.820 | 64.7 | 15.0 | 16.7 | 49.2 | 34.2 | 35.3 | 14.3 | 38.7 | 35.2 | 22.0 | 2.4 | 0.3 | 91 | 557 | 63.0 | - | - | 1.1 | 10 | 6 | 9 | - | 7.4 | 45 | 5.01 | |
| Royal Observatory | 29.816 | 69.0 | 13.7 | 11.3 | 44.4 | 34.4 | 37.8 | 12.0 | 42.3 | 33.8 | 21.9 | 2.3 | 0.5 | 84 | 555 | 67.3 | 27.0 | - | - | - | - | - | 1.1 | 8.0 | 45 | 4.30 | |
| Blackheath | 29.802 | 54.0 | 17.0 | 11.0 | 43.3 | 31.0 | 38.1 | 12.3 | 46.8 | 34.4 | 22.0 | 2.3 | 0.3 | 91 | 557 | 62.6 | - | - | 0.9 | 9 | 4 | 7 | 9 | - | 7.8 | 41 | 4.43 |
| London Square | 29.830 | 59.6 | 19.9 | 10.9 | 40.4 | 42.6 | 36.4 | 11.8 | 38.3 | 34.1 | 21.7 | 2.3 | 0.4 | 85 | 556 | 60.8 | 28.6 | - | - | 1.0 | 6 | 5 | 9 | - | 7.2 | 41 | 4.43 |
| Tottenham | 29.827 | 59.0 | 14.0 | 10.6 | 44.2 | 34.8 | 11.9 | 17.8 | 44.3 | 39.8 | 23.3 | 2.4 | 0.4 | 88 | 556 | - | 30.1 | 1.0 | 9 | 5 | 6 | 10 | - | 7.2 | 49 | 4.27 | |
| Barnet | 29.847 | 59.0 | 12.7 | 16.3 | 44.0 | 32.7 | 42.6 | 13.6 | 40.0 | 33.9 | 22.0 | 2.4 | 0.3 | 89 | 554 | 72.9 | 26.9 | 0.7 | 10 | 4 | 8 | - | - | 7.0 | 41 | 3.55 | |
| Oxford | 29.845 | 63.7 | 10.7 | 11.0 | 43.9 | 32.7 | 34.4 | 11.3 | 42.5 | 31.1 | 20.5 | 2.4 | 0.4 | 89 | 555 | 73.8 | 28.7 | 1.4 | 8 | 5 | 5 | 11 | 0.3 | 7.5 | 35 | 4.70 | |
| Royston | 29.832 | 62.4 | 17.2 | 15.2 | 42.6 | 31.1 | 8.3 | 11.6 | 40.9 | 33.1 | 19.0 | 2.2 | 0.4 | 86 | 555 | - | - | - | 9 | 5 | 7 | 10 | - | 7.1 | 41 | 3.95 | |
| Cambridge | 29.796 | 63.8 | 12.5 | 11.3 | 44.6 | 31.4 | 44.0 | 13.2 | 47.6 | 34.7 | 20.6 | 2.4 | 0.3 | 91 | 563 | 81.0 | 27.0 | 1.3 | 9 | 4 | 7 | 10 | - | 7.2 | 46 | 3.68 | |
| Rugby | 29.830 | 60.7 | 12.8 | 14.4 | 44.1 | 32.5 | 8.8 | 13.2 | 47.1 | 33.5 | 20.6 | 2.4 | 0.2 | 93 | 554 | - | - | 0.6 | 9 | 4 | 7 | 0 | - | 7.2 | 39 | 3.71 | |
| Somerleyton | 29.777 | 65.0 | 12.2 | 12.8 | 44.9 | 31.6 | 40.0 | 12.2 | 47.3 | 32.0 | 19.6 | 2.4 | 0.1 | 83 | 558 | - | - | 1.0 | 9 | 5 | 6 | 10 | - | 7.1 | 43 | 3.41 | |
| Wolverhampton | 29.853 | 59.0 | 13.8 | 10.9 | 42.8 | 15.3 | 34.4 | 11.0 | 46.7 | 31.4 | 19.8 | 2.2 | 0.4 | 88 | - | - | - | - | 9 | 5 | 8 | 9 | - | 7.8 | 35 | 4.67 | |
| Nottingham | 29.694 | 61.0 | 20.3 | 10.7 | 45.4 | 32.2 | 33.5 | 11.2 | 47.8 | 33.7 | 21.0 | 2.2 | 0.5 | 84 | 554 | 71.6 | 30.0 | 0.4 | 8 | 7 | 4 | 11 | 0.6 | 8.2 | 48 | 4.20 | |
| Llandudno | 29.892 | 51.9 | 35.5 | 29.4 | 45.6 | 30.7 | 36.9 | 8.6 | 44.8 | 32.7 | 20.0 | 2.4 | 0.5 | 81 | 553 | - | - | - | 0.0 | 8 | 6 | 5 | 12 | - | 7.6 | 49 | 6.20 |
| Liverpool | 29.796 | 57.8 | 18.2 | 12.3 | 43.7 | 32.9 | 34.4 | 9.4 | 47.3 | 34.0 | 19.6 | 2.2 | 0.5 | 84 | 555 | - | - | - | 4 | 8 | 11 | - | - | 7.3 | 48 | 4.79 | |
| Halifax | 29.830 | 57.8 | 12.4 | 14.5 | 42.7 | 31.0 | 33.9 | 11.1 | 46.7 | 32.0 | 18.4 | 2.1 | 0.5 | 85 | 549 | 68.3 | 29.1 | 0.8 | 6 | 5 | 8 | 10 | - | 7.6 | 48 | 6.91 | |
| Head | 27.701 | 62.9 | 17.0 | 5.0 | 44.1 | 11.8 | 38.0 | 2.8 | 48.1 | 31.1 | 19.7 | 2.3 | 0.5 | 87 | 558 | 72.0 | 28.4 | 1.3 | 8 | 5 | 6 | 12 | - | 6.1 | 51 | 5.90 | |
| Bradford | 27.745 | 57.8 | 19.1 | 13.3 | 44.5 | 34.6 | 29.0 | 8.9 | 49.1 | 44.7 | 20.1 | 2.3 | 0.5 | 85 | 549 | 74.1 | - | - | 0.3 | 8 | 6 | 10 | - | - | 7.4 | 41 | 4.12 |
| Leeds | 9.771 | 59.0 | 20.0 | 30.0 | 44.6 | 35.3 | 23.0 | 9.0 | 49.4 | 34.8 | 19.0 | 2.3 | 0.5 | 82 | 551 | - | - | 1.4 | 9 | 4 | 6 | 11 | - | 7.9 | 51 | 3.87 | |
| Stonhyhurst | 29.802 | 57.0 | 17.8 | 9.2 | 44.3 | 32.2 | 33.0 | 12.2 | 38.1 | 35.7 | 14.8 | 2.3 | 0.4 | 85 | 551 | 75.9 | 25.8 | 0.4 | 8 | 6 | 5 | 11 | - | 8.1 | 34 | 9.32 | |
| Carlisle | 9.723 | 56.8 | 16.2 | 10.6 | 43.2 | 32.7 | 36.1 | 13.4 | 49.4 | 39.5 | 21.7 | 2.5 | 0.3 | 90 | 554 | 67.0 | 28.9 | 1.0 | 7 | 6 | 11 | 1.5 | 7.3 | 43 | 4.85 | | |

The highest temperatures of the air were at Salisbury and Somerleyton, 65°; and at Cambridge, 63°·8.

The lowest temperatures of the air were at Halifax, 12°·0; at Somerleyton, 12°·2; and at Cambridge, 12°·5.

The greatest ranges of temperature were at Somerleyton, 53°·8; at Cambridge, 51°·3; and at Salisbury, 49°·0.

The least ranges of temperature were at Guernsey, 25°·0; at Llandudno, 29°·4; and at Barnstaple, 30°·0.

The greatest number of days of rain were at Salisbury, 56; at Stonhyhurst, 54; and at Guernsey and Truro, 53.

The least number of days of rain were at Barnstaple, 50; at Leeds, 31; and at Barnet, Oxford, and Wolverhampton, 3.

The greatest falls of rain were at Truro, 10·28 inches; at Stonhyhurst, 9·95 inches; and at Plymouth, 9·27 inches.

The least falls of rain were at Somerleyton, 3·41 inches; at Cambridge, 3·51 inches; and at Leeds, 3·87 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dr. Air reduced to the level of the Sea. | Mean of all Highest Barometrical Mercurial Thermometre Mean of all Lowest Range of the Thermometre Mean Range of Temper- ature in the Quarter Mean of all Highest. Mean of all Lowest. Mean Monthly Range of Temperature. Mean Daily Range of Temperature. Mean Temperature of the Air. Mean Temperature of the Dew Point. Mean Elastic Force of Vapour. Mean Weight of Vapour in a cubic foot of Air. Mean additional Weight required for saturation Mean degree of Humidity Mean Weight of a cubic foot of Air. Mean Reading of Max- imum in Rays of Sun. Mean Reading of Min- imum on Grass. Mean Estimated Strength. | WIND. | | | | Mean Amount of Onset Mean Amount of Cloud Mean Number of Days it fell. Mean Amount col- lected. | RAIN. |
|-------------------------------|---|---|------------------------|----|----|----|--|-------|
| | | | Relative Proportion of | | | | | |
| | | | N. | E. | S. | W. | | |
| | | | in | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|--------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|------|-----|----|---|----|-----|-----|-----|------|------|
| Guernsey | 29.880 | 53.8 | 28.8 | 25.0 | 45.2 | 38.3 | 31.4 | 7.9 | 42.1 | 37.6 | 22.0 | 2.6 | 0.5 | 85 | 550 | 80.2 | 32.6 | 1.2 | 8 | 5 | 6 | 11 | 3.0 | 7.2 | 53 | 6.74 | |
| Between the latitudes | 50° and 51° | 29.885 | 53.8 | 29.1 | 35.7 | 46.9 | 35.1 | 31.4 | 11.8 | 40.8 | 36.3 | 22.5 | 2.6 | 0.5 | 84 | 550 | 82.0 | 31.6 | 1.1 | 9 | 6 | 5 | 10 | 2.9 | 6.6 | 48 | 7.34 |
| | 51° and 52° | 29.839 | 53.9 | 16.7 | 42.0 | 44.4 | 32.2 | 30.2 | 12.3 | 38.2 | 33.8 | 19.7 | 2.3 | 0.5 | 84 | 553 | 80.2 | 31.6 | 1.1 | 10 | 5 | 6 | 9 | 0.7 | 7.2 | 41 | 5.98 |
| | 52° and 53° | 29.799 | 54.0 | 15.6 | 44.6 | 43.5 | 31.3 | 33.9 | 12.2 | 37.2 | 34.0 | 19.2 | 2.3 | 0.5 | 84 | 553 | 76.3 | 35.6 | 0.9 | 9 | 5 | 6 | 10 | 0.6 | 7.4 | 42 | 4.48 |
| | 53° and 54° | 29.796 | 54.2 | 19.7 | 38.6 | 44.1 | 34.2 | 32.2 | 9.9 | 39.5 | 35.4 | 19.2 | 2.3 | 0.5 | 84 | 553 | 75.5 | 36.8 | 0.9 | 8 | 5 | 6 | 11 | 1.3 | 7.7 | 48 | 7.25 |
| 54° and 55° | 29.763 | 54.9 | 17.0 | 39.9 | 45.3 | 32.5 | 34.5 | 12.8 | 35.7 | 33.4 | 18.8 | 2.4 | 0.3 | 88 | 555 | 71.5 | 38.8 | 0.7 | 8 | 6 | 6 | 11 | 1.3 | 7.7 | 48 | 7.25 | |
| Mean for the Quarter, 50° to 55° | Year 1886 | 29.702 | 54.2 | 15.6 | 45.9 | 42.3 | 31.4 | 35.3 | 10.8 | 36.7 | 33.5 | 19.3 | 2.3 | 0.3 | 88 | 554 | 64.7 | 37.0 | 1.1 | 6 | 9 | 7 | 9 | 2.5 | 7.2 | 47 | 7.45 |
| | " 1887 | 29.918 | 53.5 | 17.4 | 44.6 | 43.2 | 33.2 | 13.2 | 43.4 | 34.2 | 19.8 | 2.3 | 0.5 | 87 | 557 | 71.6 | 36.7 | 1.1 | 6 | 8 | 8 | 10 | 2.5 | 6.6 | 53 | 5.98 | |
| | " 1888 | 29.744 | 54.6 | 15.8 | 44.1 | 44.2 | 32.2 | 33.4 | 10.2 | 37.2 | 33.8 | 19.5 | 2.1 | 0.4 | 85 | 564 | 69.2 | 30.4 | 1.2 | 9 | 7 | 6 | 9 | 1.1 | 7.7 | 45 | 5.98 |
| | " 1889 | 29.860 | 55.1 | 13.8 | 40.3 | 44.8 | 33.1 | 34.6 | 11.8 | 38.3 | 34.5 | 20.4 | 2.4 | 0.4 | 86 | 554 | 73.8 | 31.3 | 0.9 | 9 | 5 | 6 | 10 | 1.4 | 7.2 | 45 | 5.98 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING JUNE 30, 1889.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING 30TH JUNE, 1889.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in April was generally unsettled, cold and cloudy. The temperature of the air till the 17th day was below the average, then for four days it was warm and then cold again to the end of the month. The atmospheric pressure was below the average till the 17th, and from the 21st. The fall of rain was above the average. The crops at the end of the month were looking well.

The weather in May was generally warm with frequent rain; the temperature of the air was cold on the 1st and 2nd days and from the 26th, and warm on other days particularly from the 22nd to the 25th which were hot. The atmospheric pressure was below its average, to the 15th and from the 23rd. The fall of rain was above its average at all stations, at Greenwich it was 3·3 inches, and back to 1815 the fall of rain has only reached or exceeded this amount on 15 occasions, viz.:

| | | |
|--------------------------|--------------------------|--------------------------|
| In 1886 it was 4·23 ins. | In 1860 it was 3·90 ins. | In 1825 it was 3·30 ins. |
| 1879 " 3·40 " | 1856 " 3·50 " | 1824 " 4·20 " |
| 1878 " 4·30 " | 1854 " 3·30 " | 1820 " 4·00 " |
| 1869 " 3·40 " | 1849 " 3·70 " | 1819 " 3·30 " |
| 1865 " 4·20 " | 1843 " 3·80 " | 1817 " 4·60 " |

The total fall of rain at Greenwich for the five months ending May was 9·51 inches being somewhat more than double in the same months in 1888.

The weather in June was very fine. The temperature of the air was above the average till the 7th and from the 25th, and variable between those days, but generally cold. The atmospheric pressure was generally below its average till the 15th, and above it from the 16th. The fall of rain was below its average at all stations, excepting those between latitudes 51° and 52°. The sky was very free from clouds, and the hot sunshine caused the heavy crop of hay to be gathered in excellent condition.

About London the mean daily temperature of the air was generally below its average from April 1st till the 2nd of May, the mean daily deficiency for these 32 days being 2°·1; from May

respectively; and there were only six instances of as high or higher temperature back to the year 1841, viz:—

1888 it was 67°·9 1865 it was 67°·9 1847 it was 68°·0
1868 „ 70°·5 1848 „ 74°·4 1841 „ 69°·7

The mean high day temperature of the air for June was 72°·9, being 2°·1 above the average of 48 years; it was 3°·7 higher than in 1888, 0°·5 lower than 1887, and 3°·3 higher than in 1886.

The mean low night temperature of the air for April was 38°·9, being 0°·1 below the average of 48 years; it was 2°·6 and 3°·6 higher than in 1888 and 1887 respectively, and of the same value as in 1886.

The mean low night temperature of the air for May was 47°·9, being 4°·2 above the average of 48 years; it was 2°·1, 5°·6, and 4°·3 higher than in 1888, 1887, and 1886 respectively; and there were only two instances of as high or higher temperature back to the year 1841, viz:—

1862 it was 47°·9 1841 it was 48°·4

| Temperature of | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--|--------------|--|------------|--|----------------------|--|-------|--|-------|--|--|
| 1889. MONTHS. | Air. | | | Evaporation. | | Dew Point. | | Air— Daily Range. | | Mean. | Diff. from average of 48 years. | Mean. | Diff. from average of 48 years. | |
| | Mean. | Diff. from average of 118 years. | Diff. from average of 48 years. | Mean. | Diff. from average of 48 years. | Mean. | Diff. from average of 48 years. | Mean. | Diff. from average of 48 years. | | | | | |
| | | | | | | | | | | | | | | |
| April - | 45·7 | -0·4 | -1·2 | 43·3 | -0·5 | 40·6 | +0·2 | 15·8 | -2·6 | ·253 | +·002 | 2·9 | 0 | |
| May - | 56·5 | +4·0 | +4·0 | 53·2 | +4·4 | 50·2 | +5·3 | 19·3 | -1·2 | ·364 | +·067 | 4·1 | +7 | |
| June - | 61·4 | +3·2 | +2·5 | 57·2 | +2·7 | 53·5 | +2·8 | 21·2 | +0·3 | ·410 | +·040 | 4·5 | +3 | |
| Means - | 54·5 | +2·3 | +1·8 | 51·2 | +2·2 | 48·1 | +2·8 | 18·8 | -1·2 | ·342 | +·036 | 3·8 | +3 | |

| 1889. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|-------------|---------------------------------|---------------------------------------|----------------------------------|----------------------|------------|--------------------------|---------------------------|
| | Mean. | Diff. from average of 48 years. | Mean. | Diff. from average of 48 years. | Mean. | Diff. from average of 48 years. | Amount. | Diff. from average of 74 years. | | Number of Nights it was | | | Lowest Reading at Night. | Highest Reading at Night. |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | Above 40°. | | |
| April - | 83 | + 3 | 29·659 | -·188 | 542 | - 1 | 1·85 | +0·31 | Miles. 254 | 8 | 20 | 2 | 24·7 | 41·5 |
| May - | 80 | +10 | 29·662 | -·129 | 531 | - 9 | 3·10 | +1·24 | 204 | 0 | 6 | 24 | 33·1 | 33·0 |
| June - | 76 | + 1 | 29·854 | +·044 | 539 | - 2 | 2·07 | +0·09 | 217 | 0 | 0 | 30 | 41·1 | 56·4 |
| Means - | 80 | + 5 | 29·692 | -·061 | 534 | - 4 | Sum 7·22 | Sum +1·64 | Mean 225 | Sum 8 | Sum 26 | Sum 56 | Lowest 24·7 | Highest 56·4 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|--------------------|--------|----------|-------------------------|-------|----------|-------------------------|-------|----------|-------------------------|
| | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. |
| N.W. | d. 3 | d. 4½ | - 1½ | d. 1 | d. 1½ | - ½ | d. 1 | d. 2½ | - 1½ |
| N. | d. 5 | d. 3 | + 2 | d. 5 | d. 4½ | + ½ | d. 1 | d. 3½ | - 2½ |
| N.E. | d. 3 | d. 3½ | - ½ | d. 5 | d. 7½ | - 2½ | d. 11 | d. 3½ | + 7½ |
| E. | d. 3 | d. 2½ | + ½ | d. 3 | d. 2½ | + ½ | d. 2 | d. 2½ | - ½ |
| S.E. | d. 4 | d. 3½ | + ½ | d. 6 | d. 1½ | + 4½ | d. 6 | d. 1½ | + 4½ |
| S. | d. 2 | d. 2½ | - ½ | d. 4 | d. 2½ | + 1½ | d. 0 | d. 2½ | - 2½ |
| S.W. | d. 9 | d. 6½ | + 2½ | d. 6 | d. 8½ | - 2½ | d. 9 | d. 10 | - 1 |
| W. | d. 1 | d. 4 | - 3 | d. 1 | d. 2½ | - 1½ | d. 0 | d. 4 | - 4 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in April are opposite to S.W. and N.; in May to S.E. and S.; and in June to N.E. and S.E.

The sign (-) denotes deficiencies below averages. In April this sign is opposite to W. and N.W.; in May to N.E. and S.W.; and in June to W., N., and S.

The mean low night temperature of the air for June was 51°·7, being 1°·9 above the average of 48 years; it was 1°·8, 2°·0 and 3°·8 higher than in 1888, 1887, and 1886 respectively; and there were only 6 instances of as high or higher temperature back to the year 1841, viz:—

1866 it was 52°·0 1858 it was 53°·9 1845 it was 52°·2
1859 „ 53°·0 1846 „ 55°·1 1842 „ 52°·2

Therefore the days were cold in April, and the nights a little below their average, and the days and nights in both May and June were very warm.

The mean daily range of temperature for April was 15°·8, being 2°·6 below the average; and there were only three instances of as small or smaller range back to the year 1841, viz:—

1877 it was 14°·7 1853 it was 14°·2 1846 it was 14°·6

The mean daily range of temperature for May was 19°·3, being 1°·2 below the average; and for June it was 21°·2, being 0°·3 above the average.

The mean temperature in April was 5°·1 warmer than in March; in May it was 10°·8 warmer than in April; and in June it was 4°·9 warmer than in May.

(From the preceding 48 years' observations the increase from March to April is 5°·4; from April to May is 5°·6; and from May to June is 6°·4.)

From March to April there was an increase of 3°·9 at stations south of 51°; between 51° and 52° of 4°·8; between 52° and 53° of 4°·0; and at stations north of this parallel of 3°·9.

From April to May there was an increase of 8°·0 at stations south of 51°; and at stations north of this parallel of 9°·9.

From May to June there was an increase of about 5°·0 at all stations.

The mean reading of the barometer at the height of 159 ft. above the sea level for the month of April was 29·559 ins., being 0·188 in. below the average of 48 years. It was 0·148 in. 0·259 in., and 0·184 in. lower than in 1888, 1887, and 1886 respectively; and there were only two instances of as low or lower readings back to the year 1841, viz:—

1879 it was 29·520 ins. 1849 it was 29·517 ins.

The mean reading of the barometer for May was 29·662 ins., being 0·129 in. below the average of 48 years. It was 0·217 in., 0·172 in., and 0·096 in. lower than in 1888, 1887, and 1886 respectively; and there were only four instances of as low or lower reading back to the year 1841, viz:—

1885 it was 29·628 ins. 1869 it was 29·651 ins.
1878 „ 29·618 „ 1856 „ 29·647 „

The mean reading of the barometer for June was 29·854 ins., being 0·044 in. above the average of 48 years. It was 0·102 in. higher than in 1888, 0·159 in. lower than in 1887, and 0·049 in. higher than in 1886.

From March to April there was a decrease of atmospheric pressures at all stations; at those south of 51° of 0·26 in.; and north of this parallel of 0·24 in.

From April to May there was an increase at all stations; at those south of 51° of 0·07 in.; between 51° and 54° of 0·10 in.; and at stations north of this parallel of 0·09 in.

From May to June there was an increase at all stations; at those south of 51° of 0·19 in.; between 51° and 52° of 0·21 in.; between 52° and 53° of 0·23 in.; between 53° and 54° of 0·25 in.; and at stations north of this parallel of 0·22 in.

About London the atmospheric pressure was generally below its average from April 1st till May 15th, the mean daily deficiency for these 45 days being 0·14 in.; from May 16th to the 22nd it was above, the mean daily excess being 0·07 in.; from May 23rd to June 15th it was generally below, the mean daily deficiency for these 24 days being 0·11 in.; and from June 16th to the 30th it was above, the mean daily excess being 0·11 in.

Thunderstorms occurred in April on the 4th at Oxford and Stonyhurst; on the 5th at Whitechurch and Oxford; on the 8th at Wolverhampton; on the 12th at Osborne and Salisbury; on the 23rd at Salisbury and Wolverhampton; on the 24th at Osborne, Salisbury, Somerleyton, and Leeds; on the 28th at Hull and Leeds; and on the 29th at Liverpool.

In May on the 1st at Stonyhurst; on the 2nd at Rugby; on the 5th at Oxford, Rugby, Lowestoft, Somerleyton, Wolverhampton, Llandudno, Liverpool, and Stonyhurst; on the 6th at Torquay, Osborne, Salisbury, and Bath; on the 7th at Oxford, Wolverhampton, Liverpool, Stonyhurst, and Leeds; on the 9th at Salisbury, Blackheath, Royal Observatory, Oxford, Royston, and Llandudno; on the 17th at Whitechurch and Oxford; on the 23rd at Blackheath, Royal Observatory, Royston, Cambridge, Halifax, Hull, Bradford, and Leeds; on the 24th at Torquay, Bath, Royston, Lowestoft, Somerleyton, Wolverhampton, Halifax, Hull, and Bradford; on the 27th at Lowestoft; on the 29th at Wolverhampton and Stonyhurst; on the 30th at Hull; and on the 31st at Wolverhampton, Halifax, and Leeds.

In June on the 2nd at Salisbury, Oxford, Royston, Rugby, Liverpool, Halifax, and Stonyhurst; on the 6th at Plymouth, Torquay, Ventnor, Blackheath, Tottenham, and Barnet; on the 7th at Torquay, Osborne, Salisbury, Whitechurch, Blackheath, Tottenham, Barnet, and Oxford; on the 8th at Salisbury; on the 9th at the Royal Observatory; on the 19th at Guernsey; and on the 28th at Whitechurch.

Thunder was heard but lightning was not seen in April on the 4th at Hull; on the 5th at Royston, Cambridge, and Rugby; on the 6th at Whitechurch; on the 10th at Bath; on the 11th

at Rugby; on the 12th at Torquay; on the 20th at Liverpool; on the 22nd at Blackheath, Royal Observatory, Cambridge, and Somerleyton; on the 23rd at Whitechurch, Blackheath, Royal Observatory, Royston, and Cambridge; on the 24th at Bath, Rugby, and Lowestoft; on the 27th at Liverpool; and on the 28th at Royston and Bradford.

In May on the 1st at Royston and Liverpool; on the 4th at Guernsey; on the 5th at Whitechurch and Blackheath; on the 6th, 7th, 9th, and 10th at Carlisle; on the 17th at Torquay and Llandudno; on the 18th at Stonyhurst; on the 24th at Salisbury, Barnet, and Cambridge; on the 25th at Blackheath and Lowestoft; on the 29th at Halifax and Hull; on the 30th at Liverpool and Halifax; and on the 31st at Liverpool and Hull.

In June on the 2nd at Osborne, Halifax, and Bradford; on the 6th at Bath and Whitechurch; on the 7th at Rugby; on the 22nd at Oxford and Rugby; and on the 28th at Guernsey, Oxford, and Rugby.

Lightning was seen but thunder was not heard in May on the 2nd at Cambridge; on the 4th at Stonyhurst; on the 6th at Oxford and Somerleyton; on the 23rd at Plymouth, Torquay, Whitechurch, Oxford, and Somerleyton; on the 24th at Whitechurch and Cambridge; and on the 25th at Blackheath, Royal Observatory, and Oxford.

In June on the 6th at Oxford.

Solar halos were seen in April on the 8th and 16th at Torquay; on the 27th at Torquay and Oxford; and on the 29th at Torquay, Royal Observatory, and Oxford.

In May on the 3rd at the Royal Observatory and Oxford; on the 4th and 8th at the Royal Observatory, Oxford, Liverpool, and Halifax; on the 8th at Torquay; on the 9th at the Royal Observatory, Oxford, and Halifax; on the 14th at Torquay; and on the 24th at Oxford.

In June on the 12th at Torquay and Halifax; on the 20th at Torquay; and on the 28th at Liverpool and Halifax.

Lunar halos were seen in April on the 9th at Torquay.

In May on the 8th at Osborne, Royal Observatory, Oxford, and Cambridge; and on the 11th at Stonyhurst.

Snow fell in April on the 1st at Hull; on the 2nd at Royston, Lowestoft, and Somerleyton; on the 3rd at Oxford, Royston, Cambridge, and Rugby; on the 8th at Royston; on the 11th at Rugby and Liverpool; and on the 13th and 14th at Royston.

Hail fell on the 4th at Oxford and Royston; on the 5th at Plymouth, Torquay, and Oxford; on the 6th at Liverpool; on the 7th at Truro and Salisbury; on the 11th and 14th at Royston; on the 21st at Royston, Wolverhampton, and Stonyhurst; on the 22nd at Plymouth, Torquay, Blackheath, Royal Observatory, Oxford, Royston, Cambridge, and Rugby; on the 23rd at Salisbury, Royston, Cambridge, and Wolverhampton; on the 24th at Truro, Whitechurch, Blackheath, Oxford, and Rugby; on the 28th at Hull; and on the 29th at Liverpool.

In May on the 1st at Torquay, Oxford, Liverpool, and Stonyhurst; on the 2nd at Blackheath; on the 6th at Bath; on the 20th at Bath, Whitechurch, Oxford, Cambridge, Wolverhampton, Halifax, and Stonyhurst; on the 30th at Hull; and on the 31st at Stonyhurst.

In June on the 2nd at Liverpool and Halifax.

Fog prevailed in April on the 3rd at Osborne; on the 6th at Cambridge and Somerleyton; on the 8th at Hull; on the 9th at Osborne; on the 10th at Hull; on the 11th at Blackheath, Cambridge, Lowestoft, and Hull; on the 12th at Royston, Cambridge, Somerleyton, and Hull; on the 17th and 18th at Guernsey; on the 19th at Ventnor; on the 26th at Torquay, Ventnor, and Oxford; and on the 30th at Lowestoft.

In May on the 2nd and 3rd at Hull; on the 6th at Guernsey; on the 7th at Guernsey, Torquay, and Cambridge; on the 12th at Halifax; on the 15th at Guernsey, Lowestoft, and Somerleyton; on the 16th at Royston, Cambridge, and Hull; on the 17th at Guernsey, Royston, and Cambridge; on the 18th at Llandudno; on the 19th at Guernsey; on the 20th at Guernsey, Royston, and Cambridge; on the 21st, 22nd, and 23rd at Guernsey; on the 26th at Lowestoft; and on the 27th at Royston and Lowestoft.

In June on the 2nd at Torquay and Llandudno; on the 4th at Guernsey; on the 6th at Guernsey, Royston, and Hull; on the 7th at Guernsey and Royston; on the 8th at Guernsey; on the 13th at Stonyhurst; on the 14th at Plymouth and Torquay; on the 17th at Hull; on the 18th at Royston; on the 20th and 21st at Guernsey; on the 22nd at Guernsey and Bath; on the 23rd at Guernsey; on the 26th at Plymouth; and on the 27th and 28th at Bath.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30th, 1889.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Names of Stations and Observers. | Height of Station Above Sea Level. | Year 1889. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|--|------------------------------------|------------|--------|----------------------------------|----------|------------------------------|--------|-------------------|----------------|---------|-------------------------|------------------------------|-------------------|------------|-------------------------------|-------------------|-------------------------|
| | | Month. | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Mean. | In a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Direction. | Relative Proportion of Force. | Amount in Inches. | Number of Days it fell. |
| GUERNSEY, A. COLLETT, Esq., F. R. Met. Soc. | 275 | April | 29.471 | 1.005 | 50.1 | 39.3 | 10.8 | 51.5 | 43.1 | 4.3 | 0.0 | 107.2 | 34.9 | N. | 1.0 | 1.80 | 24 |
| GUERNSEY, A. COLLETT, Esq., F. R. Met. Soc. | 275 | May | 29.565 | 0.787 | 50.1 | 39.3 | 10.8 | 51.5 | 43.1 | 4.3 | 0.0 | 107.2 | 34.9 | N. | 1.0 | 1.80 | 24 |
| GUERNSEY, A. COLLETT, Esq., F. R. Met. Soc. | 275 | June | 29.718 | 0.797 | 50.1 | 39.3 | 10.8 | 51.5 | 43.1 | 4.3 | 0.0 | 107.2 | 34.9 | N. | 1.0 | 1.80 | 24 |
| TRURO, CORNWALL, N. WHITLEY, Esq., F. R. Met. Soc. | 45 | April | 29.683 | 1.040 | 62.0 | 49.0 | 13.0 | 62.0 | 49.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| TRURO, CORNWALL, N. WHITLEY, Esq., F. R. Met. Soc. | 45 | May | 29.729 | 0.990 | 74.0 | 58.0 | 16.0 | 74.0 | 58.0 | 16.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| TRURO, CORNWALL, N. WHITLEY, Esq., F. R. Met. Soc. | 45 | June | 29.933 | 0.950 | 89.0 | 70.0 | 19.0 | 89.0 | 70.0 | 19.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| PLYMOUTH, DEVON, J. MERRIFIELD, Esq., F. R. Met. Soc. | 63 | April | 29.688 | 1.056 | 62.2 | 49.2 | 13.0 | 62.2 | 49.2 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| PLYMOUTH, DEVON, J. MERRIFIELD, Esq., F. R. Met. Soc. | 63 | May | 29.741 | 0.959 | 70.1 | 58.1 | 12.0 | 70.1 | 58.1 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| PLYMOUTH, DEVON, J. MERRIFIELD, Esq., F. R. Met. Soc. | 63 | June | 29.933 | 0.917 | 81.0 | 64.0 | 17.0 | 81.0 | 64.0 | 17.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| TORQUAY, BABLAUGH, Esq., F. R. Met. Soc. | 203 | April | 29.434 | 1.011 | 63.6 | 50.6 | 13.0 | 63.6 | 50.6 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| TORQUAY, BABLAUGH, Esq., F. R. Met. Soc. | 203 | May | 29.605 | 0.955 | 71.7 | 59.7 | 12.0 | 71.7 | 59.7 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| TORQUAY, BABLAUGH, Esq., F. R. Met. Soc. | 203 | June | 29.724 | 0.744 | 80.4 | 66.4 | 14.0 | 80.4 | 66.4 | 14.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY, Esq. | 80 | April | 29.613 | 1.067 | 69.8 | 56.8 | 13.0 | 69.8 | 56.8 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY, Esq. | 80 | May | 29.683 | 0.954 | 73.2 | 60.2 | 13.0 | 73.2 | 60.2 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| VENTNOR (Isle of Wight) (Royal National Hospital for Consumption), HARTLEY, Esq. | 80 | June | 29.888 | 0.772 | 82.8 | 68.8 | 14.0 | 82.8 | 68.8 | 14.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| EASTBOURNE, Miss W. H. Hall. | 11 | April | 29.565 | 1.038 | 64.8 | 51.8 | 13.0 | 64.8 | 51.8 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| EASTBOURNE, Miss W. H. Hall. | 11 | May | 29.666 | 0.938 | 72.9 | 60.9 | 12.0 | 72.9 | 60.9 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| EASTBOURNE, Miss W. H. Hall. | 11 | June | 29.847 | 0.792 | 80.9 | 67.9 | 13.0 | 80.9 | 67.9 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| OSBORNE (Isle of Wight), J. R. Mans, Esq. | 172 | April | 29.514 | 1.054 | 65.0 | 52.0 | 13.0 | 65.0 | 52.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| OSBORNE (Isle of Wight), J. R. Mans, Esq. | 172 | May | 29.613 | 0.954 | 73.0 | 61.0 | 12.0 | 73.0 | 61.0 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| OSBORNE (Isle of Wight), J. R. Mans, Esq. | 172 | June | 29.824 | 0.744 | 80.0 | 67.0 | 13.0 | 80.0 | 67.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| SALISBURY (Wilton House), Wille, Thomas Challen, Esq. | 138 | April | 29.514 | 1.054 | 65.0 | 52.0 | 13.0 | 65.0 | 52.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| SALISBURY (Wilton House), Wille, Thomas Challen, Esq. | 138 | May | 29.613 | 0.954 | 73.0 | 61.0 | 12.0 | 73.0 | 61.0 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| SALISBURY (Wilton House), Wille, Thomas Challen, Esq. | 138 | June | 29.824 | 0.744 | 80.0 | 67.0 | 13.0 | 80.0 | 67.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| FAIRFAX (Devon), William Knill, Esq. | 45 | April | 29.514 | 1.054 | 65.0 | 52.0 | 13.0 | 65.0 | 52.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| FAIRFAX (Devon), William Knill, Esq. | 45 | May | 29.613 | 0.954 | 73.0 | 61.0 | 12.0 | 73.0 | 61.0 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| FAIRFAX (Devon), William Knill, Esq. | 45 | June | 29.824 | 0.744 | 80.0 | 67.0 | 13.0 | 80.0 | 67.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. Almon, O.S.B. | 266 | April | 29.514 | 1.054 | 65.0 | 52.0 | 13.0 | 65.0 | 52.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. Almon, O.S.B. | 266 | May | 29.613 | 0.954 | 73.0 | 61.0 | 12.0 | 73.0 | 61.0 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. Almon, O.S.B. | 266 | June | 29.824 | 0.744 | 80.0 | 67.0 | 13.0 | 80.0 | 67.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| WHITCHURCH RECTORY (Oxon), Rev. J. Slater, M.A., F. R. Met. Soc. | 150 | April | 29.514 | 1.054 | 65.0 | 52.0 | 13.0 | 65.0 | 52.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| WHITCHURCH RECTORY (Oxon), Rev. J. Slater, M.A., F. R. Met. Soc. | 150 | May | 29.613 | 0.954 | 73.0 | 61.0 | 12.0 | 73.0 | 61.0 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| WHITCHURCH RECTORY (Oxon), Rev. J. Slater, M.A., F. R. Met. Soc. | 150 | June | 29.824 | 0.744 | 80.0 | 67.0 | 13.0 | 80.0 | 67.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| ROYAL OBSERVATORY, Greenwich, W. H. M. Christie, M.A., F.R.S., Astronomer Royal. | 129 | April | 29.514 | 1.054 | 65.0 | 52.0 | 13.0 | 65.0 | 52.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| ROYAL OBSERVATORY, Greenwich, W. H. M. Christie, M.A., F.R.S., Astronomer Royal. | 129 | May | 29.613 | 0.954 | 73.0 | 61.0 | 12.0 | 73.0 | 61.0 | 12.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |
| ROYAL OBSERVATORY, Greenwich, W. H. M. Christie, M.A., F.R.S., Astronomer Royal. | 129 | June | 29.824 | 0.744 | 80.0 | 67.0 | 13.0 | 80.0 | 67.0 | 13.0 | 0.0 | 110.3 | 38.4 | N. | 1.0 | 1.80 | 24 |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1889. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | | | | | | | | | | | | | | | |
|--|------------------------------------|---|----------------------------------|----------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|------------------------------|----------------------|--------------------------|-------------------------------------|-------------------------|----------------------|---------------------|------------------------|----------------|-------------------|-----------------------|-------------------------|-------------------|--------------|--------------|---------------|--------------|---------------|----------------------|----------------|----------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | In a Cubic foot of Air. | Elastic Force. | Short of Saturation. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | | | | W. | | | | | | | |
| BLACKHEATH (Kent), JAMES GLAISHER, Esq., F.R.S. | 150 | April 29-555 May 29-632 June 29-813 | 1-035 0-554 0-779 | 33-5 33-8 33-9 | 65-1 83-0 84-5 | 31-8 33-0 33-9 | 33-5 33-8 33-9 | 65-1 83-0 84-5 | 31-8 33-0 33-9 | 33-5 33-8 33-9 | 33-5 33-8 33-9 | 33-5 33-8 33-9 | 33-5 33-8 33-9 | 33-5 33-8 33-9 | 44-8 45-7 46-3 | 40-2 40-5 40-5 | 3-60 3-57 3-59 | 0-5 0-5 0-5 | 543 532 530 | 85 85 85 | 543 532 530 | 85 85 85 | 95-4 111-7 119-2 | 0-9 0-9 0-9 | 6 8 10 | 6 8 10 | 6 8 10 | 6 8 10 | 17 14 6 | 1-82 3-21 2-13 | | |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F. R. Met. Soc. | 123 | April 29-611 May 29-715 June 29-917 | 1-056 0-554 0-781 | 32-4 32-5 32-5 | 63-9 81-5 84-5 | 31-5 32-5 32-5 | 32-4 32-5 32-5 | 63-9 81-5 84-5 | 31-5 32-5 32-5 | 32-4 32-5 32-5 | 32-4 32-5 32-5 | 32-4 32-5 32-5 | 32-4 32-5 32-5 | 32-4 32-5 32-5 | 45-7 46-1 46-1 | 45-7 46-1 46-1 | 3-67 3-67 3-67 | 0-7 0-7 0-7 | 543 533 533 | 85 85 85 | 543 533 533 | 85 85 85 | 95-4 101-2 110-0 | 0-9 0-9 0-9 | 10 9 7 | 10 9 7 | 10 9 7 | 10 9 7 | 20 14 6 | 2-06 3-22 2-03 | | |
| TOTTENHAM, J. E. VORNER, C.E., F. R. Met. Soc. | 47 | April 29-678 May 29-776 June 29-973 | 1-015 0-554 0-762 | 30-6 30-6 30-6 | 63-8 81-5 84-5 | 31-5 32-5 32-5 | 30-6 30-6 30-6 | 63-8 81-5 84-5 | 31-5 32-5 32-5 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 43-3 43-3 43-3 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 543 533 533 | 85 85 85 | 543 533 533 | 85 85 85 | 95-4 101-2 110-0 | 0-9 0-9 0-9 | 10 9 7 | 10 9 7 | 10 9 7 | 10 9 7 | 21 16 6 | 1-49 2-88 2-24 | | |
| BARNET (Gas Works), T. H. J. ARTHUR, Esq., C.E. | 212 | April 29-638 May 29-735 June 29-932 | 1-031 0-554 0-763 | 30-2 30-2 30-2 | 64-0 81-5 84-5 | 31-5 32-5 32-5 | 30-2 30-2 30-2 | 64-0 81-5 84-5 | 31-5 32-5 32-5 | 30-2 30-2 30-2 | 30-2 30-2 30-2 | 30-2 30-2 30-2 | 30-2 30-2 30-2 | 30-2 30-2 30-2 | 44-0 44-0 44-0 | 39-5 39-5 39-5 | 3-64 3-64 3-64 | 0-5 0-5 0-5 | 543 533 533 | 85 85 85 | 543 533 533 | 85 85 85 | 95-4 101-2 110-0 | 0-9 0-9 0-9 | 10 9 7 | 10 9 7 | 10 9 7 | 10 9 7 | 16 14 5 | 1-37 2-81 2-24 | | |
| OXFORD (The Observatory), E. J. STOKES, Esq., M.A., F.R.S. | 212 | April 29-609 May 29-603 June 29-817 | 1-050 0-554 0-752 | 31-9 31-9 31-9 | 64-2 81-5 84-5 | 32-3 33-3 33-3 | 31-9 31-9 31-9 | 64-2 81-5 84-5 | 32-3 33-3 33-3 | 31-9 31-9 31-9 | 31-9 31-9 31-9 | 31-9 31-9 31-9 | 31-9 31-9 31-9 | 31-9 31-9 31-9 | 44-9 44-9 44-9 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 543 533 533 | 85 85 85 | 543 533 533 | 85 85 85 | 95-4 101-2 110-0 | 0-9 0-9 0-9 | 10 9 7 | 10 9 7 | 10 9 7 | 10 9 7 | 20 18 6 | 3-11 3-44 2-19 | | |
| ROYSTON (Hertfordshire), HALE WORTHAM, Esq., F.R.A.S., F. R. Met. Soc. | 201 | April 29-476 May 29-560 June 29-754 | 1-015 0-554 0-754 | 31-8 31-8 31-8 | 64-1 81-5 84-5 | 32-3 33-3 33-3 | 31-8 31-8 31-8 | 64-1 81-5 84-5 | 32-3 33-3 33-3 | 31-8 31-8 31-8 | 31-8 31-8 31-8 | 31-8 31-8 31-8 | 31-8 31-8 31-8 | 31-8 31-8 31-8 | 45-8 45-8 45-8 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 543 533 533 | 85 85 85 | 543 533 533 | 85 85 85 | 95-4 101-2 110-0 | 0-9 0-9 0-9 | 10 9 7 | 10 9 7 | 10 9 7 | 10 9 7 | 17 17 6 | 2-44 3-46 2-47 | | |
| CAMBRIDGE (Trinity College), J. W. L. GLAISHER, Esq., M.A., F.R.S. | 40 | April 29-620 May 29-724 June 29-924 | 1-056 0-554 0-754 | 31-0 31-0 31-0 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 31-0 31-0 31-0 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 31-0 31-0 31-0 | 31-0 31-0 31-0 | 31-0 31-0 31-0 | 31-0 31-0 31-0 | 31-0 31-0 31-0 | 44-8 44-8 44-8 | 40-7 40-7 40-7 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 544 534 534 | 86 86 86 | 544 534 534 | 86 86 86 | 114-2 124-7 133-7 | 1-3 1-3 1-3 | 9 7 6 | 9 7 6 | 8 9 9 | 8 9 9 | 22 19 3 | 2-11 3-16 3-16 | | |
| RUGBY (Warwickshire), Stockton, The Rectory, Rev. W. TUCKWELL. | 259 | April 29-463 May 29-559 June 29-757 | 1-014 0-554 0-757 | 30-4 30-4 30-4 | 64-4 81-5 84-5 | 32-3 33-3 33-3 | 30-4 30-4 30-4 | 64-4 81-5 84-5 | 32-3 33-3 33-3 | 30-4 30-4 30-4 | 30-4 30-4 30-4 | 30-4 30-4 30-4 | 30-4 30-4 30-4 | 30-4 30-4 30-4 | 45-8 45-8 45-8 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 542 532 530 | 84 84 84 | 542 532 530 | 84 84 84 | 114-2 124-7 133-7 | 1-3 1-3 1-3 | 9 7 6 | 9 7 6 | 8 9 9 | 8 9 9 | 22 19 3 | 2-11 3-16 3-16 | | |
| LOWESTOFT (Suffolk), H. MILLER, Esq., F.R.A.S., F. R. Met. Soc. | 89 | April 29-606 May 29-707 June 29-907 | 1-032 0-554 0-757 | 30-8 30-8 30-8 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-8 30-8 30-8 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 45-8 45-8 45-8 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 544 534 534 | 86 86 86 | 544 534 534 | 86 86 86 | 114-2 124-7 133-7 | 1-3 1-3 1-3 | 9 7 6 | 9 7 6 | 8 9 9 | 8 9 9 | 22 19 3 | 2-11 3-16 3-16 | | |
| SOMERLEYTON (Suffolk), The Rectory, Rev. C. J. STEWARD, F. R. Met. Soc. | 20 | April 29-677 May 29-779 June 29-979 | 1-042 0-554 0-759 | 30-8 30-8 30-8 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-8 30-8 30-8 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 30-8 30-8 30-8 | 45-8 45-8 45-8 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 548 538 538 | 91 89 89 | 548 538 538 | 91 89 89 | — | — | — | — | — | — | — | — | 34 24 14 | 2-23 3-00 3-00 |
| WOLVERHAMPTON (Staffordshire), Wrottesley, E. SIMPSON, Esq. | 500 | April 29-226 May 29-305 June 29-542 | 1-058 0-554 0-748 | 30-5 30-5 30-5 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-5 30-5 30-5 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-5 30-5 30-5 | 30-5 30-5 30-5 | 30-5 30-5 30-5 | 30-5 30-5 30-5 | 30-5 30-5 30-5 | 45-8 45-8 45-8 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 540 530 530 | 84 82 82 | 540 530 530 | 84 82 82 | — | — | — | — | — | — | — | — | 17 12 8 | 3-34 2-56 3-13 |
| NOTTINGHAM (Notts.), ARTHUR BROWN, Esq., C.E., and E. A. WHITEHEAD, Esq., M.D. | 122 | April 29-478 May 29-580 June 29-803 | 1-054 0-554 0-757 | 30-6 30-6 30-6 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-6 30-6 30-6 | 64-0 81-5 84-5 | 32-3 33-3 33-3 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 30-6 30-6 30-6 | 45-8 45-8 45-8 | 40-1 40-1 40-1 | 3-68 3-68 3-68 | 0-6 0-6 0-6 | 542 532 530 | 84 82 82 | 542 532 530 | 84 82 82 | 95-4 109-1 124-7 | 0-4 0-4 0-4 | 8 7 5 | 8 7 5 | 10 10 6 | 8 7 5 | 20 16 3 | 2-55 3-50 2-71 | | |

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1889. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | Vapour. | | Mean Reading of Thermometer. | Wind. | | | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|------------------------------------|------------|----------------------------------|--------|----------|------------------------------|--------|-----------------|-------------------|---------------------------------------|-------------------------------------|------------------------------|------------------------|--------------|------|-------|------------|----------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Mean Degree of Humidity, Sat., = 100. | Mean Weight of a Cubic foot of Air. | | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Of all Highest. | | | | | Of all Lowest. | Daily Range. | Air. | | Dew Point. | Elastic Force. | Short of Saturation. | N. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Months. | feet. | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in.</ |

The mean temperature in July was $0^{\circ}4$ colder than in June; in August it was $1^{\circ}0$ colder than in July; and in September it was $4^{\circ}2$ colder than in August.

(From the preceding 48 years' observations the increase from June to July is $3^{\circ}3$; the decrease from July to August is $0^{\circ}8$; and the decrease from August to September is $4^{\circ}4$.)

From June to July there was an increase of $0^{\circ}4$ at stations south of 51° ; between 51° and 53° the temperature was about the same in both months; and at stations north of this parallel there was a decrease of $0^{\circ}6$.

From July to August there was a decrease at all stations; at those south of 51° of $0^{\circ}5$; between 51° and 55° of $0^{\circ}7$.

From August to September there was a decrease at all stations; at those south of 51° of $1^{\circ}9$; between 51° and 53° of $3^{\circ}4$; and at stations north of this parallel of $2^{\circ}8$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of July was 29.759 ins., being $0^{\circ}036$ in. below the average of 48 years. It was $0^{\circ}159$ in. higher than in 1888; $0^{\circ}107$ in. lower than in 1887; and $0^{\circ}012$ in. higher than in 1886.

| 1889. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|--|--------------|--|------------|--|----------------------|--|-----------------------------|--|---|--|------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | |
| | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | |
| July - | 61.0 | -0.6 | -1.2 | 56.9 | -0.8 | 53.3 | -0.7 | 18.2 | -2.8 | in. | in. | grs. | grs. |
| August | 60.0 | -0.9 | -1.4 | 56.4 | -1.0 | 53.3 | -0.7 | 19.7 | -0.2 | 408 | -0.009 | 4.6 | -2 |
| Sept. - | 55.8 | -0.3 | -1.2 | 52.5 | -1.4 | 49.4 | -1.7 | 17.3 | -0.9 | 406 | -0.011 | 4.5 | -3 |
| Means - | 58.9 | -0.8 | -1.3 | 55.3 | -1.1 | 52.0 | -1.0 | 18.4 | -1.3 | 382 | -0.023 | 4.3 | -3 |

| 1889. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|--|---|
| | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Amount. | Diff. from ave- rage of 74 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 36°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| July - | 77 | + 2 | in. 29.739 | in. -0.08 | grs. 529 | grs. + 1 | in. 2.07 | in. -0.48 | Miles. 219 | 0 | 1 | 30 | 0 38.6 | 0 57.9 |
| August | 78 | + 2 | 29.710 | -0.06 | 529 | 0 | 2.81 | -0.55 | 278 | 0 | 2 | 29 | 37.6 | 56.6 |
| Sept. - | 74 | - 7 | 29.865 | +0.04 | 536 | + 3 | 1.68 | -0.72 | 219 | 4 | 9 | 17 | 26.1 | 51.6 |
| Means - | 76 | - 1 | 29.778 | -0.06 | 531 | + 1 | Sum 5.56 | Sum -1.76 | Mean 239 | Sum 4 | Sum 12 | Sum 76 | Lowest 26.1 | Highest 57.9 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|--------------------|-------|----------|-------------------------|---------|----------|-------------------------|------------|----------|-------------------------|
| | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3 | 3 | 0 | 7 | 3 | + 4 | 7 | 4 | + 3 |
| N. | 3 | 4 | - 1 | 1 | 3 | - 2 | 3 | 6 | - 3 |
| N.E. | 5 | 3½ | + 1½ | 1 | 3 | - 2 | 8 | 2 | + 6 |
| E. | 1 | 2 | - 1 | 0 | 1½ | - 1½ | 1 | 2 | - 1 |
| S.E. | 2 | 1½ | + ½ | 2 | 1½ | + ½ | 4 | 3 | + 1 |
| S. | 3 | 3 | 0 | 2 | 3 | - 1 | 2 | 8 | - 6 |
| S.W. | 11 | 10 | + 1 | 16 | 12 | + 4 | 4 | 3 | + 1 |
| W. | 3 | 4 | - 1 | 2 | 4 | - 2 | 1 | 2 | - 1 |

The sign (+) denotes excesses over averages; the largest numbers affected by this sign in July are opposite to N.E. and S.W.; in August to N.W. and S.W.; and in September to N.E. and N.W.

The sign (-) denotes deficiencies below averages. In July this sign is opposite to N., E., and W.; in August to N., N.E., and W.; and in September to N. and S.

The mean reading of the barometer for August was 29.710 ins., being $0^{\circ}076$ in. below the average of 48 years. It was $0^{\circ}122$ in., $0^{\circ}097$ in., and $0^{\circ}106$ in. lower than in 1888, 1887, and 1886 respectively; and there were only seven instances of as low or lower reading back to the year 1841, viz.:—

| | | |
|-------------------------|-------------------------|-------------------------|
| 1881 it was 29.676 ins. | 1877 it was 29.701 ins. | 1852 it was 29.649 ins. |
| 1879 „ 29.672 „ | 1866 „ 29.637 „ | 1844 „ 29.677 „ |
| 1878 „ 29.586 „ | | |

The mean reading of the barometer for September was 29.865 ins., being $0^{\circ}064$ in. above the average of 48 years. It was $0^{\circ}103$ in. lower than in 1888, $0^{\circ}106$ in. and $0^{\circ}009$ in. higher than in 1887 and in 1886 respectively.

From June to July there was a decrease of atmospheric pressure at all stations; at those south of 51° of $0^{\circ}07$ in.; between 51° and 52° of $0^{\circ}09$ in.; and at stations north of this parallel of $0^{\circ}14$ in.

From July to August there was a decrease at all stations; at those south of 51° of $0^{\circ}02$ in.; between 51° and 53° of $0^{\circ}06$ in.; between 53° and 54° of $0^{\circ}10$ in.; and between 54° and 55° of $0^{\circ}14$ in.

From August to September there was an increase at all stations; at those south of 51° of $0^{\circ}12$ in.; between 51° and 53° of $0^{\circ}16$ in.; between 53° and 54° of $0^{\circ}22$ in.; and between 54° and 55° of $0^{\circ}26$ in.

About London the atmospheric pressure was above its average till July 6th, the mean daily excess being $0^{\circ}23$ in.; from July 7th till the 27th it was below, the mean daily deficiency being $0^{\circ}16$ in.; from July 28th to August 8th it was generally above, the mean daily excess being $0^{\circ}05$ in.; from August 9th to the 25th it was generally below, the mean daily deficiency being $0^{\circ}21$ inch; from August 26th to September 18th it was generally above, the mean daily excess for these 24 days being $0^{\circ}13$ in.; and from September 19th to the 30th it was below, with the exception of two days, the mean daily deficiency being $0^{\circ}13$ in.

Thunderstorms occurred in July on the 9th at Lowestoft; on the 12th at Whitechurch, Royston, and Cambridge; on the 13th at Oxford, Rugby, and Somerleyton; on the 16th at Royston, Halifax, and Hull; on the 17th at Salisbury, Whitechurch, Blackheath, Royal Observatory, Oxford, and Royston; on the 21st at Blackheath, Royal Observatory, Rugby, Lowestoft, and Halifax; on the 23rd at Ventnor, Osborne, Salisbury, Barnet, Oxford, Royston, and Hull; on the 25th at Halifax; on the 26th at Ventnor, Osborne, Halifax, and Stonyhurst; and on the 27th at Blackheath, Royal Observatory, Barnet, and Bradford.

In August on the 1st at Cambridge; on the 4th at Halifax; on the 5th at Oxford, Cambridge, Lowestoft, Somerleyton and Liverpool; on the 6th at Somerleyton; on the 7th at Somerleyton and Hull; on the 10th at Lowestoft and Somerleyton; on the 11th at Oxford, Rugby, Lowestoft, and Liverpool; on the 21st at Whitechurch, Liverpool, Halifax, and Hull; and on the 24th at Whitechurch, Blackheath, Royal Observatory, Rugby, and Halifax.

In September on the 2nd at Guernsey, Blackheath, Royal Observatory, Royston, and Cambridge; on the 3rd at Blackheath, Royal Observatory, and Barnet; on the 20th at Royston, Liverpool, and Halifax; on the 21st at Liverpool; and on the 28th at Somerleyton.

Thunder was heard but lightning was not seen in July on the 12th at Blackheath and Royal Observatory; on the 13th at Royston and Cambridge; on the 15th at Cambridge; on the 16th at Cambridge, Lowestoft, and Stonyhurst; on the 17th at Cambridge and Liverpool; on the 20th at Halifax; on the 21st at Somerleyton and Liverpool; on the 23rd at Whitechurch, Lowestoft, Liverpool, Halifax, and Stonyhurst; on the 26th at Whitechurch; and on the 29th at Royston.

In August on the 1st at Somerleyton; on the 5th at Whitechurch, Royston, and Rugby; on the 7th at Hull and Carlisle; on the 9th at Liverpool; on the 10th at Bath and Royston; on the 11th at Salisbury, Whitechurch, Cambridge and Carlisle; on the 13th at Cambridge; on the 21st at Rugby and Hull; on the 24th at Torquay and Oxford; and on the 27th at Halifax.

In September on the 3rd at Somerleyton; and on the 12th and 20th at Cambridge.

Lightning was seen but thunder was not heard in July on the 12th at Oxford; on the 15th at Cambridge and Somerleyton; on the 23rd at Oxford; and on the 24th at Liverpool.

In August on the 1st at Royston; on the 10th at Rugby and Carlisle; and on the 11th at Lowestoft and Stonyhurst.

In September on the 2nd at Torquay, Osborne, Whitechurch, and Oxford; on the 3rd at Osborne and Whitechurch; on the 4th at Barnet; on the 12th at Halifax; on the 20th at Whitechurch and Stonyhurst; on the 21st at Osborne and Halifax; on the 23rd at Torquay; and on the 24th at Halifax.

Solar halos were seen in July on the 24th at Oxford, Liverpool, and Halifax; on the 28th at Oxford; and on the 30th at Liverpool.

In August on the 1st at Torquay, Royal Observatory, and Oxford; on the 5th, 6th, and 8th at Liverpool; on the 9th at Bath; on the 13th at Torquay; on the 18th at Torquay and Liverpool; on the 22nd at Halifax; on the 23rd at Oxford; and on the 27th at Torquay.

In September on the 8th at Torquay; on the 9th at Torquay, Oxford, and Halifax; on the 11th at Oxford; on the 18th at Halifax; on the 21st and 23rd at Oxford; and on the 26th and 28th at Torquay.

Lunar halos were seen in August on the 9th at Torquay.

In September on the 9th at Torquay and Oxford; on the 10th at Cambridge; and on the 19th at Oxford.

Hail fell in July on the 15th at Stonyhurst; on the 16th at Halifax; on the 17th at Whitchurch, Oxford, and Cambridge; and on the 23rd at Blackheath and Royal Observatory.

In August on the 10th at Hull; on the 11th at Oxford; and on the 24th at Whitchurch and Cambridge.

In September on the 19th at Liverpool and Halifax; on the 20th at Royston, Cambridge, Rugby, Liverpool, and Stonyhurst; and on the 21st at Royston and Liverpool.

Fog prevailed in July on the 4th and 5th at Guernsey; on the 8th, 10th, 11th, and 16th at Torquay; on the 19th at Plymouth; on the 24th at Hull; on the 29th at Plymouth; and on the 30th at Torquay and Hull.

In August on the 4th, 10th, and 16th at Guernsey; on the 19th at Hull; on the 29th at Torquay and Bath; on the 30th at Oxford and Cambridge; and on the 31st at Bath, Oxford, Cambridge, and Stonyhurst.

In September on the 1st at Torquay, Bath, and Stonyhurst; on the 2nd at Plymouth and Torquay; on the 3rd at Liverpool and Hull; on the 4th at Bath; on the 5th at Guernsey, Bath, Cambridge, Somerleyton, Liverpool, and Hull; on the 6th and 8th at Cambridge; on the 9th at Guernsey, Plymouth, and Hull; on the 10th at Torquay, Salisbury, and Bath; on the 11th at Torquay; on the 12th at Plymouth and Bath; on the 13th at Somerleyton; on the 14th at Salisbury and Bath; on the 17th at Whitchurch; on the 24th at Torquay; and on the 26th and 30th at Plymouth.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING SEPTEMBER 30TH, 1889.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1889. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Vapour. | | Mean Dew Point. | | Mean Degree of Humidity. | | Mean Weight of a cubic foot of Air. | | Mean Reading of Thermometer. | | Wind. | | Mean Amount of Cloud. | | Rain. | |
|--|------------------------------------|------------|--------|----------------------------------|----------|------------------------------|--------|-----------------|----------------|---------|----------------|-----------------|----------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------|------------------------------|----|-------|----|-----------------------|-----------------------|-------------------------|-------------------|
| | | Months. | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Mean. | Elastic Force. | Air. | Short of Saturation. | Mean Degree of Saturation. | Mean Weight of a cubic foot of Air. | Maximum in Days of Sun. | Minimum on Grass. | Estimated Strength. | N. | E. | S. | W. | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUERNSEY. ALFRED COLLETT, Esq., F. R. Met. Soc. | 275 | July | 29.660 | 0.797 | 76.0 | 49.1 | 27.5 | 61.4 | 33.9 | 11.2 | 59.0 | 55.2 | 6.7 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| TRURO (Cornwall). N. W. Met. Soc. | 43 | Aug. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| PLYMOUTH (Devon). J. R. Met. Soc. | 69 | Sept. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| TORQUAY, Babacombe (Devon). Edwin E. Glyde, Esq., F. R. Met. Soc. | 305 | July | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| VENTNOR (Isle of Wight). National Hospital for Consumption, HARTLEY SAGAN, Esq. | 80 | Aug. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| OSBORNE (Isle of Wight). J. R. Met. Soc. | 172 | Sept. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| SALISBURY (Wilton House), Wills, THOMAS CHALLIN, Esq. | 156 | July | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| BARNSTAPLE (Devon). WILLIAM KNILL, Esq. | 43 | Aug. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| BATH (Somerset), St. Gregory's College, Downside, Rev. F. J. ALMOND, O.S.B. | 306 | Sept. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| WHITCHURCH RECTORY (Oxon). Rev. J. SLATYER, M.A., F.R. Met. Soc. (near Reading). | 150 | July | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 160 | Aug. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |
| BLACKHEATH (Kent). JAMES GLAISHER, Esq., F.R.S. | 150 | Sept. | 29.781 | 0.811 | 77.5 | 43.6 | 34.9 | 65.1 | 33.7 | 11.4 | 58.4 | 52.0 | 4.3 | 88 | 7.5 | 118.8 | 48.5 | 0.9 | 8 | 8 | 5 | 7 | 5.7 | 16 | 2.19 |

| Year 1889. | Month. | Height of Station above Sea Level. | Names of Stations and Observers. | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | | Mean Amount of Rain. | |
|------------|--------|---|---|------------------------------|---------|--------|-------|-------------------|--------|-------------------------|----------------------|------------------------------|--------|-----------------------------------|----|----|----|----------------------|--------|
| | | | | Range. | | | | Mean. | Range. | Mean. | | Mean. | Range. | Relative Proportion of Direction. | | | | Mean. | Range. |
| | | | | Highest. | Lowest. | Range. | Mean. | | | In a Cubic Foot of Air. | Short of Saturation. | | | N. | E. | S. | W. | | |
| July | Aug. | Sept. | CAMDEN SQUARE (London), G. J. SMITH, Esq., F.R.S., F.R. Met. Soc. | 80.9 | 46.1 | 34.8 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 80.5 | 45.2 | 35.3 | 70.5 | 53.5 | 16.7 | 4.0 | 1.5 | 57.2 | 49.0 | 6 | 5 | 9 | 10 | 5.6 | 16 |
| | | | | 80.3 | 45.2 | 35.1 | 70.3 | 53.3 | 16.7 | 3.8 | 1.4 | 57.0 | 48.8 | 6 | 5 | 9 | 10 | 5.6 | 16 |
| | | | | 80.3 | 45.2 | 35.1 | 70.3 | 53.3 | 16.7 | 3.8 | 1.4 | 57.0 | 48.8 | 6 | 5 | 9 | 10 | 5.6 | 16 |
| Aug. | Sept. | TOTTENHAM, J. E. WORTH, C.E., F.R. Met. Soc. | 47 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| Sept. | Oct. | BARNET (Gas Works), T. H. MARTIN, Esq., C.E., F.R. Met. Soc. | 212 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| Oct. | Nov. | OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S., F.R. Met. Soc. | 212 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| Nov. | Dec. | ROYSTON (Hertfordshire), F. R. MET. SOC. | 201 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| Dec. | Jan. | CAMBRIDGE (Trinity College), J. W. L. GLABIER, Esq., M.A., F.R.S. | 40 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| Jan. | Feb. | RUGBY (Warwickshire), Stockton, The Rectory, REV. W. TUCKWELL. | 289 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| Feb. | March. | LOWESTOFT (Suffolk), H. MILLER, Esq., F.R.A.S., F.R. Met. Soc. | 289 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| March. | April. | SOMERLEYTON (Suffolk), The Rectory, REV. C. J. SEWARD, F.R. Met. Soc. | 40 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| April. | May. | WOLVERHAMPTON (Staffordshire), Wroesley, E. SIMPSON, Esq. | 600 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| May. | June. | NOTTINGHAM (Notts), ARTHUR BROWN, Esq., C.E., and E. A. WHITEHEAD, Esq., M.D. | 122 | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |
| | | | | 82.6 | 48.1 | 34.5 | 71.0 | 54.0 | 17.0 | 4.3 | 1.6 | 57.4 | 50.7 | 7 | 10 | 7 | 6 | 6.8 | 17 |

| Year 1880. | Month. | Height of Station above Sea Level. | Names of Stations and Observers. | Temperature of Air in Month. | | | Mean Range. | Mean Range. | | | Air. Dew Point. | Elastic Force. | Vapour. | | Mean Weight of a cubic foot of Air. | Mean Reading of a Thermometer. | | Wind. Relative Proportion of | Mean Amount of Rain. | | | | | | | |
|---------------|--------|---------------------------------------|-------------------------------------|------------------------------|---------|--------|----------------|-----------------|----------------|--------------|--------------------|----------------|----------------------------|-------------------------|---|--|----------------------------|------------------------------------|-------------------------|----------------------|-------------|----|----|----|------|----|
| | | | | Highest. | Lowest. | Range. | | Of all Highest. | Of all Lowest. | Daily Range. | | | In a cubic foot of Air. | Short of Saturation. | | Mean Degree of Humi- dity, &c., = 100. | Maximum in Rays of Sun. | | | Minimum on Grass. | Strengthen. | N. | S. | W. | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| { | July | 29-869 | 1-010 | 78.5 | 45.7 | 32.9 | 64.5 | 53.6 | 11.9 | 47.8 | 50.8 | 383 | 4.0 | 1.2 | 76 | 553 | 46.9 | 0.7 | 10 | 4 | 7 | 10 | 7 | 6 | 6.8 | 13 |
| | Aug. | 29-711 | 1-030 | 70.0 | 47.0 | 23.0 | 63.6 | 54.0 | 9.9 | 57.8 | 50.8 | 371 | 4.1 | 1.2 | 78 | 531 | 101.9 | 0.8 | 8 | 5 | 7 | 13 | 6 | 6 | 6.0 | 13 |
| | Sept. | 29-454 | 0-890 | 72.0 | 42.2 | 30.0 | 64.3 | 51.0 | 11.1 | 55.1 | 48.1 | 359 | 3.8 | 1.2 | 74 | 533 | 107.0 | 0.9 | 6 | 5 | 7 | 6 | 6 | 6 | 6.5 | 13 |
| | Oct. | 29-763 | 1-012 | 78.5 | 47.8 | 30.2 | 64.3 | 53.6 | 11.1 | 47.4 | 48.6 | 342 | 3.9 | 1.4 | 72 | 531 | 111.4 | — | 6 | 5 | 11 | 9 | 6 | 6 | 6.8 | 13 |
| { | July | 29-605 | 1-076 | 77.5 | 49.0 | 27.6 | 64.1 | 53.9 | 10.2 | 57.4 | 49.0 | 392 | 4.0 | 1.3 | 76 | 539 | 107.0 | — | 6 | 5 | 6 | 6 | 6 | 6 | 6.5 | 13 |
| | Aug. | 29-655 | 1-076 | 77.5 | 49.0 | 27.6 | 64.1 | 53.9 | 10.2 | 57.4 | 49.0 | 392 | 4.0 | 1.3 | 76 | 539 | 107.0 | — | 6 | 5 | 6 | 6 | 6 | 6 | 6.5 | 13 |
| | Sept. | 29-818 | 0-894 | 72.5 | 42.0 | 30.5 | 61.3 | 51.3 | 10.0 | 55.7 | 48.5 | 343 | 3.8 | 1.1 | 77 | 533 | 107.0 | — | 10 | 6 | 5 | 6 | 6 | 6 | 6.5 | 13 |
| | Oct. | 29-368 | 0-908 | 78.7 | 41.0 | 37.7 | 64.9 | 54.3 | 18.1 | 56.7 | 48.3 | 337 | 3.8 | 1.4 | 73 | 535 | 107.0 | 0.7 | 5 | 8 | 7 | 11 | 6 | 6 | 6.5 | 16 |
| { | July | 29-280 | 1-037 | 74.0 | 42.3 | 31.5 | 64.4 | 50.1 | 14.3 | 55.9 | 49.5 | 357 | 4.0 | 1.0 | 80 | 535 | 101.9 | 0.8 | 5 | 6 | 10 | 13 | 6 | 6 | 6.5 | 13 |
| | Aug. | 29-496 | 0-919 | 74.5 | 38.0 | 41.5 | 60.6 | 49.7 | 13.6 | 52.3 | 47.6 | 351 | 3.7 | 0.9 | 83 | 533 | 91.4 | 0.8 | 6 | 6 | 10 | 9 | 6 | 6 | 6.5 | 13 |
| | Sept. | 29-266 | 1-052 | 78.0 | 42.0 | 26.0 | 60.5 | 50.1 | 10.4 | 57.6 | 51.0 | 374 | 4.2 | 1.1 | 79 | 535 | 111.4 | 1.2 | 8 | 7 | 5 | 11 | 7 | 6 | 1.58 | 14 |
| | Oct. | 29-794 | 1-076 | 77.0 | 42.0 | 35.0 | 65.5 | 50.1 | 16.4 | 57.3 | 51.8 | 389 | 4.3 | 1.1 | 82 | 533 | 114.0 | 1.2 | 7 | 5 | 6 | 6 | 6 | 6 | 1.58 | 13 |
| { | July | 29-610 | 0-938 | 72.0 | 43.0 | 39.0 | 61.1 | 46.5 | 14.6 | 53.6 | 45.7 | 383 | 3.5 | 1.2 | 73 | 541 | — | 1.2 | 9 | 5 | 6 | 11 | 5 | 6 | 1.58 | 13 |
| | Aug. | 29-421 | 1-014 | 75.5 | 45.8 | 29.5 | 63.9 | 53.6 | 13.3 | 58.1 | 47.7 | 381 | 3.7 | 1.7 | 69 | 537 | 101.1 | 0.3 | 9 | 6 | 5 | 11 | 6 | 6 | 1.78 | 16 |
| | Sept. | 29-742 | 1-112 | 77.5 | 43.0 | 32.5 | 64.4 | 53.0 | 11.4 | 57.4 | 49.5 | 357 | 4.0 | 1.3 | 75 | 535 | 96.2 | 0.9 | 6 | 6 | 10 | 11 | 7 | 6 | 1.78 | 22 |
| | Oct. | 29-765 | 1-014 | 79.0 | 46.0 | 33.0 | 68.5 | 55.6 | 13.0 | 60.4 | 52.2 | 380 | 4.1 | 1.5 | 74 | 529 | — | 1.2 | 7 | 8 | 8 | 10 | 6 | 6 | 1.50 | 14 |
| { | July | 29-649 | 1-102 | 74.0 | 46.0 | 25.0 | 65.9 | 55.1 | 12.8 | 58.1 | 53.0 | 403 | 4.5 | 1.9 | 63 | 539 | 103.9 | 1.2 | 8 | 8 | 10 | 8 | 7 | 6 | 1.94 | 14 |
| | Aug. | 29-893 | 0-942 | 69.0 | 36.0 | 33.0 | 61.5 | 50.0 | 11.5 | 53.0 | 45.5 | 343 | 3.9 | 1.1 | 79 | 537 | — | 1.2 | 5 | 6 | 6 | 11 | 6 | 6 | 1.18 | 13 |
| | Sept. | 29-613 | 0-998 | 78.8 | 40.0 | 38.8 | 67.6 | 48.6 | 18.9 | 56.7 | 49.4 | 354 | 4.0 | 1.1 | 76 | 539 | 118.7 | 0.8 | 6 | 6 | 14 | — | 6 | 6 | 1.60 | 16 |
| | Oct. | 29-418 | 1-111 | 75.5 | 41.8 | 31.5 | 68.1 | 49.6 | 18.3 | 59.6 | 51.6 | 378 | 4.2 | 1.9 | 62 | 535 | 103.9 | 0.9 | 6 | 6 | 10 | 13 | 6 | 6 | 5.13 | 13 |
| { | July | 29-635 | 0-960 | 74.8 | 39.0 | 42.0 | 61.5 | 49.0 | 13.5 | 52.3 | 46.6 | 338 | 3.6 | 1.0 | 79 | 535 | 42.2 | 0.9 | 7 | 7 | 6 | 12 | 6 | 6 | 5.13 | 13 |
| | Aug. | 29-768 | 1-068 | 83.5 | 38.8 | 44.7 | 70.2 | 46.0 | 21.2 | 60.3 | 55.8 | 446 | 4.9 | 0.5 | 91 | 531 | 100.7 | 1.6 | 6 | 7 | 6 | 6 | 6 | 6 | 5.14 | 13 |
| | Sept. | 29-621 | 1-084 | 82.5 | 41.8 | 40.5 | 66.8 | 50.6 | 17.6 | 57.4 | 53.5 | 438 | 4.5 | 0.8 | 88 | 535 | 93.5 | 0.6 | 6 | 6 | 8 | 12 | 7 | 6 | 5.14 | 13 |
| | Oct. | 29-884 | 0-993 | 77.5 | 35.0 | 47.5 | 64.9 | 45.0 | 19.5 | 57.4 | 49.6 | 335 | 4.0 | 0.8 | 84 | 538 | 93.5 | 0.7 | 8 | 7 | 6 | 9 | 6 | 6 | 5.14 | 13 |
| { | Aug. | 29-621 | 1-084 | 82.5 | 41.8 | 40.5 | 66.8 | 50.6 | 17.6 | 57.4 | 53.5 | 438 | 4.5 | 0.8 | 88 | 535 | 93.5 | 0.6 | 6 | 6 | 8 | 12 | 7 | 6 | 5.14 | 13 |
| | Sept. | 29-884 | 0-993 | 77.5 | 35.0 | 47.5 | 64.9 | 45.0 | 19.5 | 57.4 | 49.6 | 335 | 4.0 | 0.8 | 84 | 538 | 93.5 | 0.7 | 8 | 7 | 6 | 9 | 6 | 6 | 5.14 | 13 |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Orone. | Mean Amount of Cloud. | RAIN. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|---------------------------------------|-------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Mean Amount of Days on which it fell. | Amount collected. |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | 29.591 | 78.3 | 42.6 | 35.7 | 64.9 | 53.9 | 30.8 | 11.0 | 58.8 | 54.4 | .424 | 4.7 | 0.8 | 86 | 530 | 118.5 | 48.2 | 1.0 | 9 | 6 | 6 | 10 | 2.4 | 5.4 | 44 | 6.0 |
| Plymouth | 29.566 | 76.7 | 40.0 | 36.7 | 66.7 | 57.5 | 29.5 | 13.2 | 59.0 | 55.2 | .406 | 4.5 | 0.9 | 82 | 533 | 121.4 | 51.5 | 1.3 | 8 | 6 | 7 | 10 | — | 6.6 | 50 | 9.0 |
| Torquay | 29.612 | 78.8 | 40.0 | 33.8 | 65.5 | 57.9 | 32.0 | 13.9 | 57.8 | 51.9 | .383 | 4.3 | 1.1 | 80 | 530 | 129.2 | 46.5 | 1.2 | 7 | 6 | 7 | 11 | 4.5 | 6.9 | 45 | 6.4 |
| Ventnor | 29.604 | 78.5 | 41.0 | 37.5 | 66.6 | 53.2 | 28.8 | 13.4 | 58.7 | 55.2 | .392 | 4.4 | 1.2 | 77 | 532 | — | — | 0.7 | 6 | 5 | 9 | 11 | — | 5.0 | 36 | 4.9 |
| Osborne | 29.530 | 82.8 | 38.2 | 44.6 | 68.9 | 53.8 | 36.8 | 16.1 | 59.0 | 55.9 | .448 | 5.0 | 0.6 | 87 | 531 | 118.8 | 51.1 | 0.6 | 6 | 5 | 8 | 11 | — | 5.8 | 39 | 4.2 |
| Salisbury | 29.574 | 81.0 | 29.0 | 55.0 | 70.2 | 47.2 | 35.7 | 23.0 | 57.6 | 51.7 | .383 | 4.3 | 1.1 | 81 | 532 | 106.9 | — | 1.2 | 7 | 5 | 10 | 9 | — | 6.2 | 47 | 6.5 |
| Barnstaple | 29.580 | 80.0 | 35.5 | 45.5 | 68.7 | 54.0 | 47.0 | 17.4 | 58.5 | 55.1 | .377 | 4.3 | 1.2 | 78 | 539 | — | — | 1.1 | 5 | 8 | 8 | 12 | — | 3.9 | 42 | 7.9 |
| Bath | 29.636 | 82.0 | 31.5 | 50.5 | 68.5 | 49.4 | 41.8 | 19.6 | 58.0 | 50.6 | .364 | 4.5 | 0.8 | 87 | 525 | 114.6 | 46.0 | 1.0 | 8 | 5 | 9 | 11 | — | 7.0 | 34 | 10.5 |
| Whitechurch | 29.608 | 86.5 | 35.7 | 50.9 | 69.4 | 45.0 | 47.8 | 19.6 | 58.0 | 50.6 | .364 | 4.5 | 0.8 | 87 | 533 | 100.7 | — | 1.3 | 6 | 5 | 9 | 10 | — | 5.8 | 38 | 5.6 |
| Royal Observatory | 29.552 | 86.0 | 35.0 | 51.0 | 68.8 | 51.9 | 40.3 | 17.8 | 58.2 | 51.9 | .385 | 4.3 | 1.1 | 80 | 532 | 119.8 | — | 1.5 | 7 | 5 | 9 | 10 | — | 5.7 | 55 | 5.9 |
| Blackheath | 29.590 | 84.5 | 35.1 | 49.3 | 69.0 | 51.0 | 41.7 | 17.2 | 59.1 | 51.0 | .375 | 4.2 | 1.4 | 74 | 532 | 107.1 | 48.1 | — | 7 | 7 | 7 | 8 | — | 5.6 | 45 | 6.4 |
| Camden Square | 29.560 | 81.5 | 34.6 | 46.7 | 67.0 | 52.2 | 36.7 | 14.8 | 57.9 | 53.2 | .392 | 4.4 | 1.0 | 82 | 534 | — | 48.2 | 1.1 | 7 | 4 | 8 | 12 | — | 5.6 | 42 | 6.9 |
| Tottenham | 29.610 | 85.0 | 29.1 | 55.9 | 68.7 | 48.4 | 43.4 | 20.5 | 57.6 | 50.8 | .372 | 4.2 | 1.2 | 79 | 533 | 119.5 | 45.1 | 0.7 | 5 | 4 | 8 | 12 | — | 5.8 | 37 | 7.1 |
| Barnet | 29.572 | 81.3 | 34.9 | 49.4 | 66.3 | 50.7 | 39.4 | 19.6 | 58.3 | 51.1 | .381 | 4.3 | 1.2 | 79 | 531 | 105.0 | 46.0 | 2.5 | 6 | 4 | 9 | 11 | 1.4 | 6.4 | 38 | 7.7 |
| Oxford | 29.593 | 85.0 | 33.3 | 48.7 | 68.8 | 49.9 | 41.2 | 19.6 | 58.3 | 51.1 | .381 | 4.4 | 1.0 | 82 | 531 | — | — | — | 7 | 5 | 7 | 12 | — | 6.5 | 38 | 6.4 |
| Royaston | 29.585 | 80.0 | 33.0 | 47.0 | 68.0 | 49.0 | 41.0 | 19.6 | 58.3 | 51.1 | .381 | 4.4 | 1.0 | 82 | 531 | — | — | — | 7 | 5 | 7 | 12 | — | 6.5 | 38 | 6.4 |
| Cambridge | 29.585 | 80.0 | 33.0 | 47.0 | 68.0 | 49.0 | 41.0 | 19.6 | 58.3 | 51.1 | .381 | 4.4 | 1.0 | 82 | 531 | — | — | — | 7 | 5 | 7 | 12 | — | 6.5 | 38 | 6.4 |
| Rugby | 29.585 | 80.0 | 33.0 | 47.0 | 68.0 | 49.0 | 41.0 | 19.6 | 58.3 | 51.1 | .381 | 4.4 | 1.0 | 82 | 531 | — | — | — | 7 | 5 | 7 | 12 | — | 6.5 | 38 | 6.4 |
| Somerleyton | 29.585 | 80.0 | 33.0 | 47.0 | 68.0 | 49.0 | 41.0 | 19.6 | 58.3 | 51.1 | .381 | 4.4 | 1.0 | 82 | 531 | — | — | — | 7 | 5 | 7 | 12 | — | 6.5 | 38 | 6.4 |
| Wolverhampton | 29.585 | 80.0 | 33.0 | 47.0 | 68.0 | 49.0 | 41.0 | 19.6 | 58.3 | 51.1 | .381 | 4.4 | 1.0 | 82 | 531 | — | — | — | 7 | 5 | 7 | 12 | — | 6.5 | 38 | 6.4 |
| Nottingham | 29.585 | 80.0 | 33.0 | 47.0 | 68.0 | 49.0 | 41.0 | 19.6 | 58.3 | 51.1 | .381 | 4.4 | 1.0 | 82 | 531 | — | — | — | 7 | 5 | 7 | 12 | — | 6.5 | 38 | 6.4 |
| Llandudno | 29.564 | 78.3 | 42.6 | 35.7 | 64.9 | 53.9 | 30.8 | 11.0 | 58.8 | 54.4 | .424 | 4.7 | 0.8 | 86 | 530 | 118.5 | 48.2 | 1.0 | 9 | 6 | 6 | 10 | 2.4 | 5.4 | 44 | 6.0 |
| Liverpool | 29.571 | 78.3 | 42.6 | 35.7 | 64.9 | 53.9 | 30.8 | 11.0 | 58.8 | 54.4 | .424 | 4.7 | 0.8 | 86 | 530 | 118.5 | 48.2 | 1.0 | 9 | 6 | 6 | 10 | 2.4 | 5.4 | 44 | 6.0 |
| Halifax | 29.578 | 78.3 | 42.6 | 35.7 | 64.9 | 53.9 | 30.8 | 11.0 | 58.8 | 54.4 | .424 | 4.7 | 0.8 | 86 | 530 | 118.5 | 48.2 | 1.0 | 9 | 6 | 6 | 10 | 2.4 | 5.4 | 44 | 6.0 |
| Hull | 29.589 | 78.0 | 33.0 | 45.0 | 64.7 | 48.8 | 39.7 | 15.8 | 56.1 | 49.5 | .355 | 4.0 | 1.2 | 79 | 536 | — | 45.5 | — | 1.9 | 6 | 6 | 11 | — | 6.4 | 48 | 6.7 |
| Leeds | 29.524 | 79.0 | 36.0 | 48.0 | 63.3 | 52.2 | 31.3 | 12.4 | 58.2 | 51.2 | .375 | 4.3 | 1.2 | 79 | 536 | — | 45.5 | — | 1.9 | 6 | 6 | 11 | — | 6.4 | 48 | 6.7 |
| Stonychurst | 29.555 | 78.5 | 38.0 | 48.2 | 64.5 | 46.8 | 38.2 | 17.5 | 55.5 | 49.1 | .351 | 3.9 | 1.0 | 79 | 530 | 116.4 | 45.4 | 0.3 | 5 | 5 | 7 | 13 | — | 7.8 | 33 | 14.9 |
| Carlisle | 29.463 | 83.5 | 32.0 | 51.5 | 67.3 | 48.1 | 44.2 | 19.2 | 56.7 | 53.0 | .413 | 4.6 | 0.6 | 89 | 532 | 100.2 | 43.8 | 0.8 | 7 | 6 | 7 | 11 | 1.9 | 6.8 | 51 | 10.7 |

The highest temperatures of the air were at Cambridge, $87^{\circ}\cdot 0$; at the Royal Observatory, $86^{\circ}\cdot 6$; and at Blackheath, $86^{\circ}\cdot 0$.

The lowest temperatures of the air were at Salisbury, $29^{\circ}\cdot 0$; at Barnet, $29^{\circ}\cdot 1$; and at Stonyhurst, $30^{\circ}\cdot 6$.

The greatest ranges of temperature were at Barnet, $55^{\circ}\cdot 9$; at Salisbury, $55^{\circ}\cdot 0$; and at Cambridge, $53^{\circ}\cdot 0$.

The least ranges of temperature were at Guernsey, $35^{\circ} \cdot 7$; at Liverpool, $36^{\circ} \cdot 0$; and at Llandudno, $36^{\circ} \cdot 4$.

The greatest number of days of rain were at Stonyhurst, 53; at Carlisle, 51; and at Plymouth and Liverpool, 50.

The least number of days of rain were at Bath and Blackheath, 34; and at Ventnor and the Royal Observatory, 36.

The greatest falls of rain were at Stonyhurst, 14·99 inches; at Carlisle, 10·72 inches; and at Bath, 10·50 inches.

The least falls of rain were at Ventnor, 4·98 inches ; at Blackheath, 5·10 inches ; and at Osborne, 5·24 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of Highest Reading of the Thermometer. | Mean of All Lowest Readings of the Thermometer. | Mean Range of Temperature in the Quarter. | Mean of All Highest. | Mean of All Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | RAIN. | | | |
|-------------------------------|-------------|---|---|---|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|-------|---|------------------------------|----|----------------------|-----|----|-------|
| | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | Mean Number of Days it fell. | | Mean Amount of Rain. | | | |
| | | | | | | | | | | | | | | | | | | N. E. S. W. | | | | | | in. | | | |
| Guernsey | - | 29.591 | 78.3 | 42.6 | 35.7 | 64.9 | 53.9 | 30.8 | 11.0 | 58.8 | 54.4 | .424 | 447 | 4.5 | 86 | 630 | 118.5 | 48.2 | 1.0 | 7 | 6 | 6 | 10 | 2.4 | 5.4 | 44 | 6.01 |
| Between the latitudes | 50° and 51° | 29.551 | 79.2 | 39.9 | 39.3 | 67.0 | 52.9 | 31.9 | 14.1 | 58.6 | 53.7 | .447 | 475 | 0.9 | 81 | 631 | 121.1 | 49.7 | 0.9 | 7 | 5 | 6 | 10 | 1.5 | 5.8 | 42 | 6.0 |
| | 51° and 52° | 29.580 | 83.4 | 43.6 | 49.6 | 67.9 | 59.3 | 40.5 | 17.6 | 59.1 | 51.6 | .381 | 443 | 1.1 | 79 | 632 | 110.3 | 46.7 | 1.3 | 6 | 5 | 6 | 10 | 1.4 | 5.8 | 42 | 6.0 |
| | 52° and 53° | 29.555 | 82.0 | 48.4 | 47.5 | 67.2 | 49.7 | 43.8 | 17.6 | 56.6 | 51.5 | .371 | 473 | 0.9 | 83 | 632 | 119.5 | 47.8 | 0.8 | 6 | 5 | 8 | 11 | 0.5 | 6.4 | 44 | 7.55 |
| | 53° and 54° | 29.569 | 78.5 | 53.2 | 41.9 | 64.9 | 51.9 | 33.6 | 13.0 | 56.7 | 49.5 | .356 | 460 | 1.2 | 78 | 632 | 100.1 | 46.2 | 1.0 | 7 | 6 | 7 | 10 | 1.6 | 6.6 | 46 | 7.31 |
| | 54° and 55° | 29.518 | 81.2 | 51.5 | 49.9 | 66.5 | 48.1 | 41.2 | 18.4 | 56.1 | 51.3 | .382 | 473 | 0.8 | 84 | 632 | 105.9 | 46.0 | 0.5 | 7 | 6 | 7 | 12 | 1.9 | 7.3 | 52 | 12.86 |
| Mean for the Quarter, | 50° to 55° | 29.550 | 83.3 | 38.9 | 43.8 | 67.8 | 51.7 | 37.7 | 16.2 | 58.7 | 52.4 | .394 | 474 | 1.2 | 79 | 630 | 111.9 | 46.4 | 1.2 | 5 | 4 | 8 | 18 | 2.9 | 6.3 | 39 | 8.75 |
| | " 1887 | 29.587 | 79.7 | 37.4 | 41.3 | 64.4 | 50.6 | 37.6 | 18.3 | 58.3 | 50.3 | .367 | 441 | 1.3 | 75 | 631 | 116.6 | 44.9 | 1.0 | 6 | 8 | 8 | 10 | 2.9 | 6.4 | 39 | 8.05 |
| | " 1888 | 29.586 | 78.7 | 37.4 | 41.3 | 64.4 | 49.4 | 34.0 | 19.2 | 58.6 | 50.8 | .374 | 442 | 0.8 | 84 | 634 | 108.2 | 45.7 | 0.9 | 7 | 6 | 8 | 10 | 2.9 | 6.4 | 39 | 8.75 |
| | " 1889 | 29.554 | 80.9 | 50.9 | 43.6 | 66.3 | 50.4 | 37.9 | 16.1 | 57.3 | 51.6 | .379 | 443 | 1.0 | 81 | 633 | 111.2 | 45.0 | 0.9 | 7 | 5 | 8 | 11 | 1.6 | 6.2 | 43 | 8.73 |

METEOROLOGY OF ENGLAND,
DURING THE QUARTER ENDING DECEMBER 31, 1889.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING DECEMBER 31ST, 1889.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in October was generally dull and cold, with frequent rain. The temperature of the air was below its average on every day in the month, with the exception of the 7th, 16th, and 30th, these being $0^{\circ} \cdot 8$, $5^{\circ} \cdot 0$, and $1^{\circ} \cdot 5$ respectively above their averages. The atmospheric pressure was generally below its average throughout the month, being above its average on the 2nd, 6th, 14th, 15th, from the 24th to the 26th, and on the 30th and 31st days. The fall of rain was above its average at all stations.

The weather in November was generally fine, dry, and dull, being generally very warm from the 3rd to the 25th, and cold from the 26th. The temperature of the air was below its average on the first two days, and from the 26th to the 30th, being as much as $11^{\circ}.1$ below on the 27th, 10° on the 28th, and $9^{\circ}.0$ on the 29th. The atmospheric pressure was below its average for the first five days, and then generally above to the end of the month. The fall of rain was small and below its average at all stations.

The weather in December was generally cold till the 15th, being particularly so on the 1st, 2nd, 3rd, 4th, and 12th days, when it was $12^{\circ} \cdot 6$, $13^{\circ} \cdot 8$, $14^{\circ} \cdot 3$, $12^{\circ} \cdot 4$, and $10^{\circ} \cdot 2$ respectively below the average, warm from the 16th to the 24th, then cold again till the end of the month, being particularly so on the 29th when it was 13° below its average. The atmospheric pressure was high and generally above its average throughout the month. The fall of rain was a little below its average at some stations, and a little above at others. Fogs were frequent.

About London, the mean daily temperature of the air was generally below its average from October 1st till November 2nd, the mean daily deficiency for these 33 days being $2^{\circ}5$; from November 3rd to the 25th it was generally above, the mean daily excess being $2^{\circ}9$; from November 26th to December 15th it was below, with the exception of two days, viz., the 9th and 10th of December, when it was $1^{\circ}9$ and $3^{\circ}4$ above; it was particularly below on the 27th and 28th of November, from the 1st to the 5th of December, and on the 12th of December, it being more than 10° below on all these days, the mean daily deficiency for the 20 days being $7^{\circ}4$; from December 16th to the 24th it was above, the mean daily excess being $4^{\circ}6$; and from the 25th to the end of the year it was below, particularly so on the 29th, when it was 13° below its average, the mean daily deficiency for the seven days being $6^{\circ}2$.

The mean temperature of the air for October was $48^{\circ} \cdot 6$, being $0^{\circ} \cdot 9$ and $1^{\circ} \cdot 2$ below the average of 118 and 48 years respectively; it was $2^{\circ} \cdot 6$ and $3^{\circ} \cdot 6$ higher than in 1888 and 1887 respectively; and $4^{\circ} \cdot 7$ lower than in 1886.

The mean temperature of the air for November was $44^{\circ} \cdot 3$, being $1^{\circ} \cdot 9$ and $0^{\circ} \cdot 8$ above the average of 118 and 48 years respectively; it was $2^{\circ} \cdot 7$ lower than in 1888, and $3^{\circ} \cdot 5$ and $0^{\circ} \cdot 3$ higher than in 1887 and 1886 respectively.

The mean temperature of the air for December was $37^{\circ} \cdot 6$, being $1^{\circ} \cdot 5$ and $2^{\circ} \cdot 2$ below the average of 118 and 48 years respectively; it was $3^{\circ} \cdot 2$ and $0^{\circ} \cdot 5$ lower than in 1888 and 1887 respectively; and $1^{\circ} \cdot 1$ higher than in 1886.

The mean high day temperature of the air for October was $56^{\circ}\cdot 4$, being $1^{\circ}\cdot 4$ below the average of 48 years; it was $1^{\circ}\cdot 2$ and $3^{\circ}\cdot 8$ higher than in 1888, and 1887 respectively, and $4^{\circ}\cdot 1$ lower than in 1886.

The mean high day temperature of the air for November was $49^{\circ}.7$, being $0^{\circ}.9$ above the average of 48 years; it was $1^{\circ}.8$ lower than in 1888, and $4^{\circ}.3$ and $0^{\circ}.2$ higher than in 1887 and 1886 respectively.

The mean high day temperature of the air for December was $41^{\circ}\cdot 7$, being $2^{\circ}\cdot 8$ below the average of 48 years; it was $3^{\circ}\cdot 9$ and $0^{\circ}\cdot 4$ lower than in 1888 and 1887 respectively; and $0^{\circ}\cdot 3$ higher than in 1886, and there were only 16 instances of as low or lower temperature back to the year 1841, viz.:

| | | |
|----------------------------|----------------------------|----------------------------|
| 1886 it was $41^{\circ}.4$ | 1870 it was $38^{\circ}.0$ | 1853 it was $38^{\circ}.8$ |
| 1879 " $37^{\circ}.4$ | 1860 " $40^{\circ}.6$ | 1846 " $37^{\circ}.2$ |
| 1878 " $37^{\circ}.4$ | 1859 " $41^{\circ}.5$ | 1844 " $36^{\circ}.8$ |
| 1874 " $37^{\circ}.9$ | | |

The mean low night temperature of the air for October was $42^{\circ} \cdot 2$, being $1^{\circ} \cdot 0$ below the average of 48 years; it was $4^{\circ} \cdot 5$ and $3^{\circ} \cdot 9$ higher than in 1888 and 1887 respectively, and

The mean low night temperature of the air for November was $38^{\circ}\cdot 8$, being $1^{\circ}\cdot 2$ above the average of 48 years; it was $3^{\circ}\cdot 9$ lower than in 1888, and $2^{\circ}\cdot 8$ and $0^{\circ}\cdot 8$ higher than in 1887 and 1886 respectively.

The mean low night temperature of the air for December was $32^{\circ} \cdot 5$, being $2^{\circ} \cdot 6$ below the average of 48 years; it was $3^{\circ} \cdot 1$ and $0^{\circ} \cdot 9$ lower than in 1888 and 1887 respectively, and $1^{\circ} \cdot 3$ higher than in 1886; and there were only 11 instances of as low or lower temperature back to the year 1841, viz.:—

| | | |
|----------------------------|----------------------------|----------------------------|
| 1886 it was $31^{\circ}.2$ | 1870 it was $28^{\circ}.9$ | 1853 it was $29^{\circ}.5$ |
| 1879 " $26^{\circ}.8$ | 1867 " $32^{\circ}.1$ | 1846 " $27^{\circ}.9$ |
| 1878 " $29^{\circ}.0$ | 1860 " $32^{\circ}.0$ | 1844 " $30^{\circ}.6$ |
| 1874 " $28^{\circ}.6$ | 1859 " $31^{\circ}.8$ | |

The mean daily range of temperature for October was $14^{\circ}2$, being $0^{\circ}3$ smaller than the average; in November it was $10^{\circ}9$, being $0^{\circ}4$ smaller than the average; and in December it was $9^{\circ}2$, being $0^{\circ}1$ smaller than the average.

The mean temperature in October was $7^{\circ}2$ colder than in September; in November it was $4^{\circ}3$ colder than in October; and in December it was $6^{\circ}7$ colder than in November.

(From the preceding 48 years' observations the decrease from September to October is $7^{\circ}2$, from October to November the decrease is $6^{\circ}3$, and from November to December the decrease is $3^{\circ}7$.)

From September to October there was a decrease at all stations of about $7^{\circ}3$.

From October to November there was a decrease at all stations; at those south of 51° of $1^{\circ}8$; between 51° and 53° of $3^{\circ}5$; and at stations north of this parallel of $2^{\circ}6$.

From November to December there was a decrease at all stations; at those south of 53° of $6^{\circ}5$; and at stations north of this parallel of $5^{\circ}1$.

| 1889. MONTHS. | | Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|---|----------------|--|--------------|--|------------|--|----------------------|--|------|------|-----------------------------|------|---|------|------|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | |
| | | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | | | | | | | |
| Oct. | - | 43.5 | -0.9 | -1.2 | 47.1 | -0.7 | 45.5 | -0.3 | 14.2 | -0.3 | .305 | in. | .003 | 3.4 | grs. | -0.5 |
| Nov. | - | 44.3 | +1.9 | +0.8 | 43.0 | +1.6 | 41.2 | +1.7 | 10.9 | -0.4 | .259 | +0.13 | 2.9 | -0.1 | | |
| Dec. | - | 37.6 | -1.5 | -2.2 | 33.5 | -1.9 | 33.2 | -1.3 | 9.2 | -0.1 | .295 | -0.13 | 2.9 | -0.3 | | |
| Means - | | 43.5 | -0.2 | -1.2 | 42.2 | -0.3 | 40.6 | -0.0 | 11.4 | -0.3 | .256 | -0.01 | 2.9 | -0.2 | | |

| 1889. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horiz- ontal move- ment of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---|------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Mean. | Diff. from ave- rage of 48 years. | Amount. | Diff. from ave- rage of 48 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 80°. | Be- tween 80° and 40°. | Above 40°. | | |
| Oct. | - | 89 | 0 | in. | in. | grs. | grs. | in. | in. | Miles. | 2 | 27 | 2 | 28.0 | 50.0 |
| Nov. | - | 89 | -1 | 30.043 | +3.08 | 552 | +4 | 0.78 | +1.19 | 212 | 12 | 15 | 3 | 19.9 | 47.0 |
| Dec. | - | 91 | +1 | 30.010 | +2.23 | 559 | +7 | 1.44 | -0.54 | 209 | 20 | 8 | 3 | 14.6 | 45.2 |
| Means - | | 90 | 0 | 29.858 | +1.11 | 550 | +3 | Sum 6.15 | Sum -0.95 | Mean 220 | Sum 31 | Sum 50 | Sum 8 | Lowest 14.6 | Highest 50.0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|-----------|----------|-------------------------------|
| | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. | 1889. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 2 | 2½ | -½ | 5 | 2½ | +2½ | 2 | 2½ | -½ |
| N. | 3 | 3½ | -½ | 2 | 4½ | -2½ | 2 | 3 | -1 |
| N.E. | 6 | 3 | +3 | 6 | 4 | +2 | 4 | 2½ | +1½ |
| E. | 1 | 1½ | -½ | 2 | 2½ | -½ | 3 | 2 | +1 |
| S.E. | 5 | 2 | +3 | 3 | 2½ | +½ | 1 | 2 | -1 |
| S. | 7 | 4 | +3 | 4 | 4 | 0 | 7 | 3½ | +3½ |
| S.W. | 6 | 10 | -4 | 6 | 8½ | -2½ | 9 | 11 | -2 |
| W. | 1 | 4½ | -3½ | 2 | 2½ | -½ | 3 | 4½ | -1½ |

The sign (+) denotes excesses over averages; the largest numbers affected by this sign in October are opposite to N.E., S.E., and S.; in November to N.W., N.E., and S.E.; and in December to S., N.E., and E.

The sign (-) denotes deficiencies below averages. In October this sign is opposite to S.W. and W.; in November to S.W. and N.; and in December to S.W., W., N., and E.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of October was 29.521 ins., being 0.197 in. below the average of 48 years. It was 0.367 in., 0.395 in., and 0.007 in. lower than in 1888, 1887, and 1886 respectively; and there were only 3 instances of as low or lower reading back to the year 1841, viz:—

1865 it was 29.440 ins. | 1846 it was 29.516 ins. | 1841 it was 29.436 ins.

The mean reading of the barometer for November was 30.043 ins., being 0.308 in. above the average of 48 years. It was 0.419 in., 0.513 in., and 0.311 in. higher than in 1888, 1887, and 1886 respectively; and there was only one instance of as high or higher reading back to the year 1841, viz., 1867, when it was 30.119 ins.

The mean reading of the barometer for December was 30.010 ins., being 0.223 in. above the average of 48 years. It was 0.201 in., 0.334 in., and 0.488 in. higher than in 1888, 1887, and 1886 respectively; and there were only seven instances of as high or higher readings back to the year 1841, viz:—

1885 it was 30.031 ins. | 1865 it was 30.056 ins. | 1851 it was 30.135 ins.
1879 " 30.139 " | 1857 " 30.158 " | 1843 " 30.245 "
1873 " 30.107 "

From September to October there was a decrease of atmospheric pressure at all stations of about 0.36 in.

From October to November there was an increase at all stations; at those south of 52° of 0.52 in., and at stations north of this parallel of 0.50 in.

From November to December there was a decrease at all stations; at those south of 51° of 0.03 in.; between 51° and 53° of 0.04 in., and at stations north of this parallel of 0.06 in.

About London the atmospheric pressure was generally below its average from the 1st of October till the 5th November, the mean daily deficiency for these 36 days being 0.18 in.; and from 6th November till the 31st of December it was generally above, particularly so from the 17th to the 29th of November, the mean daily excess for these 4 days being 0.75 in.; and the mean daily excess for the 56 days ending December 31st being 0.28 in.

Thunderstorms occurred in October on the 3rd at Cambridge; on the 8th at Guernsey; on the 10th at Halifax; on the 18th at Guernsey; on the 20th at Guernsey and Rugby; on the 21st at Guernsey and Torquay; on the 22nd at Guernsey; and on the 23rd at Torquay.

In November on the 1st at Bath and Stonyhurst; and on the 25th and 26th at Liverpool.

In December on the 10th at Torquay.

Thunder was heard but lightning was not seen in October on the 3rd at Royston; on the 5th and 12th at Wolverhampton; on the 29th at the Royal Observatory, Oxford, and Cambridge; on the 21st at Royston; and on the 23rd at Torquay.

In November on the 1st at Liverpool and Halifax; and on the 13th at Royston.

Lightning was seen but thunder was not heard in October on the 7th at Liverpool and Leeds; on the 11th at Oxford; on the 19th at Guernsey; on the 20th at Whitechurch, Oxford, Royston, and Cambridge; on the 21st at Torquay and Stonyhurst; on the 23rd at Guernsey and Torquay; and on the 27th at Stonyhurst.

In November on the 1st at Liverpool and Halifax; on the 11th at Salisbury; and on the 25th at Somerleyton.

In December on the 10th at Liverpool and Halifax; on the 12th at Torquay; and on the 24th at Cambridge.

Solar halos were seen in October on the 8th at Oxford; on the 10th at Torquay; on the 13th at Whitechurch; on the 14th at Liverpool; on the 15th at Royal Observatory and Oxford; and on the 20th and 26th at Oxford.

In November on the 4th at Torquay and Halifax; on the 5th at Oxford; on the 13th and 23rd at Liverpool; on the 25th and 26th at Torquay; and on the 28th at Oxford and Liverpool.

In December on the 2nd at Oxford; on the 3rd at Torquay and Oxford; on the 12th at Liverpool; and on the 20th, 23rd, and 24th at Torquay.

Lunar halos were seen in October on the 6th at Oxford; on the 29th at Torquay; and on the 31st at Osborne.

In November on the 1st at Oxford; on the 4th at Cambridge; and on the 7th at Halifax.

In December on the 2nd at Torquay and Cambridge; on the 3rd at Liverpool and Stonyhurst; on the 9th at Liverpool; on the 13th at Torquay; and on the 30th at Liverpool.

Aurora borealis was seen in November on the 26th at Halifax.

Snow fell in October on the 26th and 27th at Plymouth.

In November on the 25th at Liverpool and Bradford; on the 26th at Blackheath, Royal Observatory, Royston, Cambridge, Liverpool, Hull, Stonyhurst, Bradford, Leeds, and Carlisle; and on the 27th at Truro, Torquay, Whitechurch, Blackheath, Royal Observatory, Royston, Cambridge, Rugby, Lowestoft, Somerleyton, and Hull.

In December on the 3rd at Rugby; on the 4th at Royston, Cambridge, Rugby, Halifax, Stonyhurst, Bradford, and Leeds; on the 5th at Blackheath, Royal Observatory, and Royston; on the 6th at Bradford and Leeds; on the 7th at Salisbury, Bath, Whitechurch, Blackheath, Royal Observatory, Tottenham, Barnet, Oxford, Royston, Cambridge, Rugby, and Lowestoft; on the 8th at Whitechurch; on the 11th at Torquay, Royston, Hull, and Carlisle; on the 12th at Stonyhurst; on the 19th at Llandudno; on the 20th at Rugby and Halifax; on the 21st at Stonyhurst and Leeds; on the 28th at Torquay, Rugby, and Halifax; on the 29th at Whitechurch, Royston, Lowestoft, Halifax, Bradford, and Carlisle; and on the 30th at Blackheath, Royal Observatory, Tottenham, Oxford, Rugby, and Somerleyton.

Hail fell in October on the 3rd at Torquay and Cambridge; on the 4th at Torquay; on the 7th at Liverpool, Halifax, Stonyhurst, and Bradford; on the 8th at Halifax and Stonyhurst; on the 9th and 18th at Guernsey; on the 20th at Osborne and Royston; and on the 21st at Blackheath.

In November on the 1st at Truro, Liverpool, Halifax, and Stonyhurst; on the 4th at Stonyhurst; on the 25th at Llandudno, Liverpool, and Stonyhurst; on the 26th at Torquay, Blackheath, Rugby, Liverpool, and Stonyhurst; on the 27th at Truro; and on the 28th at Lowestoft.

In December on the 1st at Lowestoft; on the 5th at Hull; on the 9th at Carlisle; on the 10th at Liverpool and Stonyhurst; on the 11th at Guernsey; on the 20th at Liverpool, Stonyhurst, and Carlisle; on the 24th at Salisbury; and on the 29th at Hull.

Fog prevailed in October on the 2nd at Bath and Oxford; on the 3rd at Hull and Bradford; on the 4th at Wolverhampton and Hull; on the 5th at Bradford; on the 6th at Torquay; on the 10th at Whitechurch and Oxford; on the 11th at Bath, Cambridge, Stonyhurst, and Bradford; on the 12th at Oxford; on the 13th at Whitechurch and Oxford; on the 14th at Bath, Whitechurch, Oxford, Cambridge, Rugby, Somerleyton, and Leeds; on the 15th at Plymouth, Whitechurch, Cambridge, and Hull; on the 16th at Cambridge, Hull, and Stonyhurst; on the 17th at Stonyhurst; on the 18th at Bath, Blackheath, Royal Observatory, and Cambridge; on the 20th at Truro and Torquay; on the 21st at Torquay, Bath, and Oxford; on the 22nd at Blackheath and Royal Observatory; on the 23rd at Bath; on the 24th at Bath and Oxford; on the 27th at Hull; on the 28th at Bath, Blackheath, Royal Observatory, Oxford, Royston, Cambridge, Rugby, and Halifax; and on the 29th at Torquay and in the Midland Counties.

In November on the 5th at Truro and Hull; on the 6th at Truro, Whitechurch, Oxford, Somerleyton, and Halifax; on the 7th at Guernsey, Plymouth, Salisbury, Bath, Whitechurch, Oxford, Wolverhampton, and Stonyhurst; on the 8th at Guernsey, Bath, Lowestoft, Somerleyton, and Stonyhurst; on the 9th at Guernsey and Osborne; on the 10th at Guernsey; on the 11th at Bath, Cambridge, Rugby, and Somerleyton; on the 12th at Bath, Cambridge, Hull, and Leeds; on the 13th at Bath, Blackheath, Royal Observatory, Oxford, Cambridge, Rugby, Wolverhampton, Hull, Stonyhurst, Bradford, and Leeds; on the 14th at Torquay, Salisbury, and in the Midland and Northern Counties; on the 15th at Guernsey, Oxford, Cambridge, Somerleyton, and Wolverhampton; on the 16th at Plymouth, Torquay, Oxford, Cambridge, Somerleyton, and Wolverhampton; on the 17th at Plymouth, Torquay, Salisbury, Bath, Whitechurch, Cambridge, Rugby, and Wolverhampton; on the 18th at Bath, Cambridge, Rugby, Lowestoft, Wolverhampton, Hull, Bradford, and Leeds; on the 19th at Bath, Rugby, Wolverhampton, Hull, Bradford, and Leeds; on the 20th at Salisbury, Bath, and Wolverhampton; on the 21st at Guernsey, Bath, Oxford, and Cambridge; on the 22nd at Guernsey, Bath, Cambridge, Rugby, Somerleyton, and Wolverhampton; on the 23rd at Torquay, Salisbury, Bath, Cambridge, Rugby, Somerleyton, Hull, Stonyhurst, and Bradford; on the 24th at Torquay, Bath, Cambridge, Rugby, Somerleyton, Wolverhampton, and Stonyhurst; and on the 30th at Torquay, Osborn, Salisbury, Bath, Oxford, Cambridge, Wolverhampton, and Hull.

In December on the 1st and 2nd at Oxford and Cambridge; on the 3rd at Bath, Oxford, Wolverhampton, and Hull; on the 4th at Cambridge and Wolverhampton; on the 5th at Osborne, Bath, Royston, and Liverpool; on the 6th at Bath and Royston; on the 7th at Oxford, Royston, and Cambridge; on the 8th at Torquay, Lowestoft, and Somerleyton; on the 10th at Llandudno; on the 12th at Royston; on the 13th at Blackheath, Royal Observatory, Oxford, Royston, Cambridge, and Hull; on the 14th at Osborne, Salisbury, Bath, Oxford, Royston, Cambridge, Rugby, Wolverhampton, Bradford, and Leeds; on the 15th at Truro, Torquay, Osborne, Bath, Whitechurch, Oxford, Rugby, Somerleyton, Wolverhampton, Hull, and Stonyhurst; on the 16th at Truro, Plymouth, Torquay, Bath, Somerleyton, and Stonyhurst; on the 17th at Torquay, Osborne, and Bath; on the 18th at Torquay; on the 19th at Truro, Bath, Whitechurch, Blackheath, Royal Observatory, and Tottenham; on the 21st at Bath; on the 22nd at Torquay and Hull; on the 23rd at Torquay and Bath; on the 25th at Blackheath, Royal Observatory, and Oxford; on the 26th at Blackheath, Royal Observatory, Oxford, Cambridge, and Somerleyton; on the 27th at Bath; on the 29th at Bath, Whitechurch, Royal Observatory, and Oxford; on the 30th at Torquay, Bath, Oxford, Royston, Cambridge, Rugby, Lowestoft, Somerleyton, and Bradford; and on the 31st at Bath, Oxford, Royston, Cambridge, Rugby, and Somerleyton.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31st, 1889.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1889. | Pressure of Atmosphere in Month. | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | | Wind. | | | Rain. | | | | | | | | | | |
|--|--|--|----------------------|----------------------|------------------------|----------------------|----------------------|-------------------|----------------------|-------------------------------------|-------------------------|--|--|----------------------------|----------------------|----------------------------|-------------|---------------------------|--------------------------|----------------------------|------------------------|----------------------|
| | | Mean. | Range. | Of All Highest. | Of All Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. In a cubic foot of Air. | Short of Saturation. | Mean Degree of Humi- dity. Set = 100. | Mean Weight of a cubic foot of Air. | Maximum in Kays of Sun. | Minimum on Grass. | Reading of Thermometer. | Strength. | Relative Proportion of | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. | |
| GUERNSEY ADOLPHUS COLLETT, Esq., F. R. Met. Soc. | 275 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| TRURO (Cornwall). N. WHITLEY, Esq., F. R. Met. Soc. | 45 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| PLYMOUTH (Devon). J. MERRIFIELD, Esq., F. R. Met. Soc. | 69 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| TORQUAY, BABACUMBE (Devon). EDWIN E. GLYDE, Esq., F. R. Met. Soc. | 203 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| VENTNOR (Isle of Wight). National Hospital for Consumption, H. CLELAND, Esq. | 80 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| EASTBOURNE. Miss W. L. BRODIE HALL, F. R. Met. Soc. | 12 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| OSBORNE (Isle of Wight). J. R. MANN, Esq. | 172 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| SALISBURY (Wilton House), WILKS, THOMAS CHALLIS, Esq. | 156 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| BARNSTAPLE (Devon). WILLIAM KNILL, Esq. | 45 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| BATH (Somerset). College, Downside, Rev. T. D. ALKON, O.S.B. | 206 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |
| WHITCHURCH RECTORY (Oxon). (near Reading). Rev. J. SLATTERY, M.A., F. R. Met. Soc. | 150 | Oct. 29-90 Nov. 29-91 Dec. 29-92 | 51.9 51.9 51.9 | 41.6 41.6 41.6 | 19.6 19.6 19.6 | 58.8 58.8 58.8 | 47.4 47.4 47.4 | 9.4 9.4 9.4 | 3.02 3.02 3.02 | 3.4 3.4 3.4 | 1.2 1.2 1.2 | 71 71 71 | 552 552 552 | 100 100 100 | 40.5 40.5 40.5 | 1.2 1.2 1.2 | 8 8 8 | 6 6 6 | 9 9 9 | 6.7 6.7 6.7 | 20 20 20 | 3.75 3.75 3.75 |

[illegible]

| Second Rain-gauges are placed— | | October. | November. | December. | Total in Quarter. |
|---|---|----------|-----------|-----------|-------------------|
| At This Cemetery, Eastbourne, at the height of 4 feet above the ground; 100 feet above the sea; the amount collected was 6·73 ins. | | | | | |
| " | " | " | 1·39 ins. | 2·15 ins. | 10·27 ins. |
| " | " | 1 foot | " | 1·48 " | 9·12 " |
| " | " | " | " | 1·33 " | 9·07 " |
| " | " | 22 feet | " | 1·37 " | 9·61 " |
| " | " | " | 2·40 " | 1·08 " | 9·51 " |
| " | " | 48 " | " | 1·70 " | 9·42 " |
| " | " | " | 2·14 " | 0·85 " | " |
| <p>ERRATA.—In the Quarter ending June 26, 1888, Royal Observatory, Greenwich, May, for mean of all highest temperature 67·0°, read 64·0°, and in Quarterly Table, for 630·2, read 680·2; for 430·8, read 430·6; for mean of all lowest temperature 43·0°, read 420·6.</p> | | | | | |

The mean low night temperature of the air for January was $38^{\circ}2$, being $4^{\circ}5$ above the average of 49 years; it was 6° , $4^{\circ}6$, and $7^{\circ}6$ higher than in 1889, 1888, and 1887 respectively; and there were only 3 instances of as high or higher temperature back to the year 1841, viz.:—

1884 it was $39^{\circ}2$ | 1875 it was $38^{\circ}8$ | 1846 it was $39^{\circ}4$

The mean low night temperature of the air for February was $32^{\circ}9$, being $1^{\circ}4$ below the average of 49 years; it was $1^{\circ}2$, $2^{\circ}1$, and $0^{\circ}4$ higher than in 1889, 1888, and 1887 respectively.

The mean low night temperature of the air for March was $35^{\circ}8$, being $0^{\circ}8$ above the average of 49 years; it was $2^{\circ}4$, $2^{\circ}8$, and $4^{\circ}6$ higher than in 1889, 1888, and 1887 respectively.

The mean daily range of temperature for January was $10^{\circ}3$, being $0^{\circ}8$ larger than the average; in February it was $10^{\circ}1$, being $0^{\circ}9$ smaller than the average; and in March it was $15^{\circ}7$, being 1° larger than the average.

| 1890. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|---|----------------|---|--|-------|--|-------|--|-------|--|-------------|---|-------------|--|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | | Mean. | Diff. from ave- rage of 119 years. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. |
| Jan. | - | 43.4 | +6.8 | +5.1 | 41.8 | +4.9 | 39.9 | +5.1 | 10.3 | +0.8 | in. 2.96 | in. +0.06 | grs. 2.8 | grs. +0.4 |
| Feb. | - | 37.5 | -1.3 | -1.9 | 36.1 | -1.6 | 34.2 | -1.0 | 10.1 | -0.9 | .197 | -.010 | 5.3 | -0.1 |
| Mar. | - | 45.2 | +2.1 | +1.7 | 41.1 | +2.0 | 37.1 | +1.3 | 15.7 | +1.0 | .221 | +.008 | 2.6 | +0.1 |
| Means - | | 41.4 | +2.5 | +1.6 | 39.7 | +1.8 | 37.1 | +1.8 | 12.0 | +0.3 | .221 | +0.015 | 2.6 | +0.1 |

| 1890. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Hor- izontal movement of the Air. | | Reading of Thermometer on Grass. | | | |
|------------------|---|------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|---|------------------------|----------------------------------|---------------|--|---|
| | | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Amount. | Diff. from ave- rage of 75 years. | | | Number of Nights it was | | Low- est Reading at Night. | High- est Reading at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Jan. | - | 88 | +1 | 29.760 | -.001 | 548 | -6 | 2.00 | +0.23 | Miles. 410 | 10 | 16 | 5 | 18.4 | 43.3 |
| Feb. | - | 88 | +3 | 30.016 | +.221 | 559 | +6 | 1.04 | -0.63 | 248 | 14 | 13 | 1 | 21.0 | 40.2 |
| Mar. | - | 79 | -2 | 29.685 | -.085 | 546 | -4 | 1.97 | +0.43 | 331 | 12 | 18 | 1 | 8.6 | 44.8 |
| Means - | | 85 | +1 | 29.814 | +.045 | 551 | -1 | Sum 5.10 | Sum +0.13 | Mean 330 | Sum 36 | Sum 47 | Sum 7 | Lowest 8.6 | Highest 44.8 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (−) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|--------|----------|-------------------------------|
| | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 5 | 1½ | + 3½ | 1 | 2½ | - 1½ | 3 | 3 | 0 |
| N. | 2 | 3½ | - 1½ | 5 | 3 | + 2 | 2 | 4 | - 2 |
| N.E. | 1 | 3½ | - 2½ | 12 | 4 | + 8 | 5 | 4 | + 1 |
| E. | 1 | 4 | + 3 | 4 | 2 | + 2 | 1 | 3 | - 2 |
| S.E. | 2 | 3½ | - 1½ | 2 | 1½ | + ½ | 1 | 2½ | - 1½ |
| S. | 6 | 4½ | + 1½ | 2 | 3 | - 1 | 4 | 3 | + 1 |
| S.W. | 12 | 9½ | + 2½ | 2 | 9 | - 7 | 13 | 8 | + 5 |
| W. | 2 | 4½ | - 2½ | 0 | 3 | - 3 | 2 | 3½ | - 1½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in January are opposite to N.W., S.W., and S.; in February to N.E., N., and E.; and in March to S.W., N.E., and S.

The sign (−) denotes deficiencies below averages. In January this sign is opposite to N.E., W., N., and S.E.; in February to S.W. and W.; and in March to N., E., S.E., and W.

The mean temperature in January was $5^{\circ}8$ warmer than in December; in February it was $5^{\circ}9$ colder than in January; and in March it was $5^{\circ}7$ warmer than in February.

(From the preceding 49 years' observations the decrease from December to January is $1^{\circ}5$, from January to February the increase is $1^{\circ}1$, and from February to March the increase is $2^{\circ}1$.)

From December to January there was an increase at all stations; at those south of Latitude 51° of 4° ; between Latitude 51° and 52° of $5^{\circ}3$; and at stations north of this parallel of 4° .

From January to February there was a decrease at all stations; at those south of Latitude 51° of $5^{\circ}3$; and at stations north of this parallel of $4^{\circ}2$.

From February to March there was an increase at all stations; at those south of Latitude 51° of $3^{\circ}7$; between Latitude 51° and 52° of $5^{\circ}5$, and at stations north of this parallel of 5° .

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of January was 29.760 ins., being 0.001 in. below the average of 49 years. It was 0.230 in., 0.293 in., and 0.071 in. lower than in 1889, 1888, and 1887 respectively.

The mean reading of the barometer for February was 30.016 ins., being 0.221 in. above the average of 49 years. It was 0.298 in., and 0.239 in. higher than in 1889 and 1888 respectively, and 0.129 in. lower than in 1887; and there were only 6 instances of as high or higher readings back to the year 1841, viz.:—

1887 it was 30.145 ins. | 1878 it was 30.101 ins. | 1854 it was 30.041 ins.
1882 " 30.051 " | 1863 " 30.141 " | 1849 " 30.106 "

The mean reading of the barometer for March was 29.665 ins., being 0.085 in. below the average of 49 years. It was 0.139 in. lower than in 1889, 0.233 in. higher than in 1888, and 0.226 in. lower than in 1887.

From December to January there was a decrease of atmospheric pressure at all stations; at those south of 51° of 0.24 in., between 51° and 53° of 0.26 in., and at stations north of this parallel of 0.33 in.

From January to February there was an increase at all stations; at those south of 51° of 0.19 in., between 51° and 52° of 0.26 in., between 52° and 53° of 0.33 in., and at stations north of this parallel of 0.43 in.

From February to March there was a decrease of 0.27 in. at stations south of 51° ; of 0.35 in., between 51° and 52° ; of 0.41 in. between 52° and 53° ; and at stations north of this parallel of 0.45 in.

About London the atmospheric pressure was generally above its average from January 1st to the 17th, the mean daily excess being 0.16 in.; from January 18th to the 28th it was below,—being particularly so on the 22nd and the 23rd, when it was 0.77 in. and 1.18 in. below its average,—the mean daily deficiency for the 11 days being 0.38 in.; from January 29th to February 11th it was above, the mean daily excess being 0.32 in.; from February 12th to the 17th it was below, the mean daily deficiency being 0.23 in.; from February 18th to March 4th it was above, with the exception of one day, the mean daily excess being 0.30 in.; from March 5th to the 26th it was generally below,—being particularly so on the 16th, when it was 0.82 in. below its average,—the mean daily deficiency for the 22 days being 0.33 in.; and from March 27th to the 31st it was generally above, the mean daily excess being 0.14 in.

Thunderstorms occurred in January on the 6th at Liverpool; on the 22nd at Truro; and on the 23rd at Plymouth and Osborne.

In March on the 8th at Halifax and Leeds; and on the 16th at Hull and Leeds.

Thunder was heard but lightning was not seen in January on the 20th at Stonyhurst.

In March on the 3rd and 4th at Somerleyton; on the 8th at Hull; and on the 16th at Carlisle.

Lightning was seen but thunder was not heard in January on the 4th at Salisbury; on the 17th at Torquay; on the 19th at Torquay and Liverpool; on the 20th at Torquay, Somerleyton, and Liverpool; and on the 23rd at Torquay.

In February on the 17th at Torquay.

Solar halos were seen on the 9th at the Royal Observatory; on the 22nd at Torquay; on the 24th at Oxford, Liverpool, and Halifax; on the 26th at Torquay and Oxford; on the 27th at Liverpool; and on the 29th at Whitechurch, Liverpool, Halifax, and Leeds.

In February on the 4th at Oxford; on the 12th at Torquay; on the 14th at Torquay and Liverpool; on the 15th at Torquay; on the 18th and 19th at Oxford; and on the 21st, 22nd, and 28th at Liverpool.

In March on the 3rd at Royal Observatory and Oxford; on the 4th at Torquay and Oxford; on the 16th at Oxford; on the 18th at Oxford and Liverpool; on the 22nd at Torquay and Liverpool; on the 24th at Torquay, Oxford, and Halifax; on the 25th at Oxford; and on the 28th at Oxford and Royston.

Lunar halos were seen in January on the 4th at Torquay; on the 5th at Bath; on the 27th at Oxford, Liverpool, Halifax, Hull, and Stonyhurst; and on the 29th at Cambridge.

In February on the 1st at Torquay; on the 2nd at Torquay and Salisbury; and on the 28th at Liverpool and Hull.

In March on the 2nd at Liverpool; on the 7th at Oxford; and on the 28th at Oxford and Cambridge.

Aurora borealis was seen on the 27th of January at Halifax.

Snow fell in January on the 9th at Osborne; on the 19th at Leeds; on the 20th at Torquay, Bath, Halifax, Hull, Bradford, and Carlisle; on the 21st at Bath, Halifax, Hull, and Carlisle; on the 22nd at Torquay, Halifax, Bradford, and Carlisle; on the 23rd at Liverpool, Halifax, Leeds, and Carlisle; on the 26th at Carlisle; on the 27th at Nottingham; and on the 28th at Cambridge, Rugby, Lowestoft, Somerleyton, Liverpool, Halifax, and Bradford.

In February on the 1st at Wolverhampton; on the 6th at Blackheath and the Royal Observatory; on the 9th at Halifax; on the 13th at Halifax and Leeds; on the 14th at Bath and Oxford; on the 15th at Torquay, Osborne, Salisbury, and in the Midland Counties; on the 20th in the Northern Counties; on the 26th at Rugby and Leeds; on the 27th at Blackheath, Royal Observatory, and in the Midland and Northern Counties; and on the 28th at Torquay, Osborne, and in the Midland Counties.

In March on the 1st and 2nd it was a general fall throughout the country; on the 3rd in the Southern and Midland Counties; on the 4th at Torquay, Salisbury, Blackheath, Royal Observatory, Oxford, and Cambridge; on the 5th at Rugby; on the 8th at Carlisle; on the 9th at Torquay, Salisbury, and in the Midland and Northern Counties; on the 17th at Bath; and on the 20th at Blackheath, Royal Observatory, Royston, Cambridge, and Carlisle.

Hail fell in January on the 5th at Halifax; on the 7th at Bath; on the 17th at Truro; on the 18th at Truro and Torquay; on the 19th at Truro, Plymouth, Torquay, Osborne, Blackheath, Royal Observatory, Wolverhampton, Stonyhurst, and Carlisle; on the 20th at Truro, Plymouth, Bath, Wolverhampton, Halifax, Stonyhurst, and Carlisle; on the 21st at Truro, Torquay, and Osborne; on the 22nd at Guernsey, Truro, Torquay, Bath, Liverpool, and Stonyhurst; on the 23rd and 25th at Torquay; and on the 29th at Rugby.

In February on the 10th at Torquay; on the 15th at Truro; on the 17th at Torquay; on the 19th at Oxford and Rugby; and on the 27th at Royston and Hull.

In March on the 2nd at Hull; on the 4th at Royston and Lowestoft; on the 8th at Truro and Halifax; on the 9th at Llandudno; on the 16th at Truro and Carlisle; on the 17th at Bath, Oxford, and Carlisle; on the 18th at Truro and Wolverhampton; and on the 23rd at Truro.

Fog prevailed in January on the 1st at Truro, Bath, Whitechurch, Oxford, Somerleyton, and Bradford; on the 2nd at Plymouth, Torquay, and in the Midland Counties; on the 3rd at Salisbury and in the Midland Counties; on the 4th at Cambridge, Somerleyton, Wolverhampton, Hull, and Bradford; on the 5th at Bath; on the 8th at Lowestoft and Somerleyton; on the 9th at Plymouth and Torquay; on the 11th at Plymouth, Torquay, and Bath; on the 12th and 13th at Bath; on the 14th at Torquay, Bath, Whitechurch, Oxford, Cambridge, and Rugby; on the 15th at Bath, Cambridge, Somerleyton, and Wolverhampton; on the 16th at Bath; on the 19th and 20th at Plymouth; on the 21st at Bath and Somerleyton; on the 24th at Torquay; on the 28th at Torquay, Bath, and Royston; on the 29th at Bath; on the 30th at Somerleyton; and on the 31st at Bath, Cambridge, Lowestoft, and Somerleyton.

In February on the 1st in the Southern and Midland Counties; on the 2nd at Plymouth, Osborne, and Bath; on the 3rd at Bath, Oxford, and Hull; on the 4th at Plymouth, Torquay, Osborne, and in the Midland Counties; on the 5th at Osborne, Cambridge, and Somerleyton; on the 6th at Bath and Oxford; on the 7th at Cambridge; on the 10th at Bath; on the 11th at Bath, Blackheath, Royal Observatory, Oxford, Rugby, Wolverhampton, Hull, and Bradford; on the 12th at Guernsey and Bath; on the 14th at Bath, Royston, and Lowestoft; on the 17th and 18th at Bath; on the 20th at Truro, Torquay, Ventnor, Osborne, Bath, and Bradford; on the 21st at Truro, Torquay, Ventnor, Osborne, and in the Midland Counties; on the 22nd at Bath, Oxford, Cambridge, Wolverhampton, Hull, Bradford, Leeds, and Stonyhurst; on the 23rd at Truro, Bath, Wolverhampton, Bradford, Leeds, and Stonyhurst; on the 24th at Bath, Cambridge, Rugby, Wolverhampton, and Bradford; on the 26th at Royston; and on the 28th at Oxford.

In March on the 4th, 6th, and 8th at Bath; on the 15th at Torquay; on the 18th at Bath and Cambridge; on the 19th at Bath; on the 22nd at Torquay; on the 23rd at Bath; on the 24th at Cambridge; on the 25th at Leeds; on the 26th at Guernsey; on the 27th at Plymouth, Torquay, and Bath; on the 28th at Guernsey, Plymouth, Torquay, Osborne, Bath, and Lowestoft; and on the 29th at Guernsey, Torquay, and Bath.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31ST, 1890.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1890. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------------------------------------|-------------------------------------|-------------------------------------|--------|----------|------------------------------|--------|-----------------|-------------------|------|------------|----------------|-------------------------------------|-------------------------|---|--|----------------------------|-----------------------|------------------------|---------------------------|----|--------------------------|--------------------------|----------------------------|---------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | Mean. In a cubic foot of Air. | Short of Saturation. | Mean Degree of Humi- dity, Sat. = 100. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grates. | Estimated Strength. | Relative Proportion of | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Amount col- lected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | | | | | Daily Range. | Z. | | | | | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 29.715 | 1.685 | 53.5 | 38.0 | 59.1 | 43.2 | 15.9 | 46.9 | 36.8 | 28.8 | 2.2 | 89 | 0.5 | 75 | 70.9 | 88.8 | 1.7 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| Year 1889. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------|------------------------------------|----------------------------------|----------------------------------|--------|------------------------------|---------|--------|-----------------|-------------------|--------------|---------|------------|------------------------------|-------|----------------------|--------------------------|-------------------------------------|-------------------------|-------------------|-----------------------|-------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humidity. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Mean Amount of Cloud. | Number of Days it fell. | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | in. | in. | in. | in. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. | gr. |

| Year 1889. | Month. | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | | | Mean Tem- perature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Mean Amount of Cloud. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--------|--|--------|------------------------------|---------|--------|-----------------|------------------------|----------------------------|---|--|------------------------------------|----------------------|------------------------|---------------------------|-----------------------------|-------|------|------------|------------------|-------|----|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Mean. | Range. | Highest. | Lowest. | Range. | Mean | | In a cubic foot of Air. | Mean Degree of Humi- dity, 32° F. = 100. | Mean Weight of a cubic foot of Air. | Maximum in Shade of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | Daily Range. | | | Alr. | Dew Point. | Diastolic Force. | Mean. | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | in. | in. | in. | ° | ° | ° | ° | ° | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|-----|-----------------------|-----------------------|----------------------------------|-------------------------|------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| | | | | | | | | | | | | | | | | | | | in. | ° | ′ | ″ | | | | | ° |
| Guernsey | 29.760 | 60.5 | 24.7 | 35.8 | 43.4 | 41.0 | 25.0 | 7.4 | 44.9 | 40.5 | 2.9 | 0.5 | 85 | 546 | 85.2 | 35.0 | 1.3 | 6 | 6 | 9 | 9 | 3.0 | 6.8 | 62 | 8.59 | | |
| Truro | 29.745 | 63.0 | 19.0 | 44.0 | 51.5 | 38.3 | 39.7 | 13.2 | 45.6 | 37.9 | 2.29 | 0.6 | 9 | 75 | 549 | — | — | 1.7 | 9 | 5 | 7 | 9 | — | 5.3 | 37 | 9.33 | |
| Plymouth | 29.746 | 59.5 | 23.0 | 38.5 | 48.6 | 37.3 | 29.4 | 11.3 | 43.3 | 39.5 | 2.45 | 0.5 | 0.4 | 87 | 551 | 85.2 | 35.0 | 1.5 | 6 | 6 | 8 | 10 | — | 7.1 | 47 | 8.74 | |
| Torquay | 29.784 | 61.5 | 24.3 | 37.0 | 48.4 | 34.6 | 29.9 | 9.8 | 43.4 | 39.8 | 2.24 | 0.8 | 0.5 | 86 | 548 | 83.7 | 34.0 | 1.7 | 6 | 4 | 7 | 10 | 7.50 | 8.9 | 52 | 8.66 | |
| Venator | 29.691 | 56.5 | 22.0 | 34.5 | 47.5 | 39.9 | 27.8 | 8.3 | 43.1 | 39.8 | 2.43 | 0.8 | 0.4 | 88 | 550 | — | — | 1.0 | 7 | 7 | 7 | 10 | — | 5.2 | 43 | 6.12 | |
| Eastbourne | 29.788 | 55.3 | 19.0 | 36.3 | 46.8 | 37.7 | 27.8 | 9.1 | 42.1 | 37.7 | 2.57 | 0.6 | 0.3 | 90 | 553 | 87.0 | 34.1 | 0.8 | 4 | 8 | 11 | 1.8 | 6.8 | 44 | 5.98 | | |
| Osborne | 29.754 | 61.3 | 21.7 | 35.6 | 47.5 | 37.0 | 29.9 | 10.5 | 41.8 | 39.0 | 2.90 | 0.9 | 0.9 | 85 | 551 | 77.9 | 33.0 | 0.4 | 6 | 6 | 9 | 9 | — | 6.3 | 44 | 6.88 | |
| Salisbury | 29.751 | 63.0 | 13.0 | 40.0 | 49.2 | 31.7 | 38.7 | 17.5 | 40.9 | 37.7 | 2.26 | 0.6 | 0.4 | 88 | 551 | 76.9 | — | 1.4 | 7 | 7 | 7 | 10 | — | 7.5 | 49 | 7.33 | |
| Barnstaple | 29.744 | 61.5 | 18.0 | 41.6 | 49.0 | 34.6 | 33.5 | 10.6 | 44.0 | 39.8 | 2.77 | 0.9 | 0.5 | 86 | 555 | 85.2 | 35.0 | 1.2 | 5 | 8 | 8 | 9 | — | 4.4 | 40 | 5.96 | |
| Bath | 29.744 | 61.5 | 18.0 | 41.6 | 49.0 | 34.6 | 33.5 | 10.6 | 44.0 | 39.8 | 2.77 | 0.9 | 0.5 | 86 | 555 | 85.2 | 35.0 | 1.2 | 5 | 8 | 8 | 9 | — | 6.7 | 20 | 8.06 | |
| Whitechurch | 29.778 | 64.5 | 20.2 | 44.2 | 47.5 | 34.4 | 34.8 | 13.1 | 41.0 | 38.8 | 2.43 | 0.8 | 0.3 | 92 | 553 | 85.2 | 35.0 | 1.1 | 5 | 7 | 8 | 10 | — | 8.5 | 49 | 4.79 | |
| Royal Observatory | 29.767 | 63.8 | 13.1 | 40.0 | 49.2 | 31.7 | 38.7 | 17.5 | 40.9 | 37.7 | 2.26 | 0.6 | 0.3 | 91 | 553 | 83.7 | 34.0 | 1.4 | 7 | 7 | 7 | 10 | — | 6.5 | 40 | 4.74 | |
| Blackheath | 29.739 | 63.5 | 11.0 | 55.5 | 46.6 | 34.5 | 35.1 | 12.0 | 41.4 | 37.1 | 2.21 | 0.6 | 0.4 | 85 | 551 | 74.0 | 30.3 | — | — | — | — | 2.4 | 7.0 | 42 | 5.10 | | |
| Tottenham | 29.771 | 66.2 | 15.6 | 50.6 | 47.8 | 35.9 | 34.1 | 11.9 | 41.6 | 37.5 | 2.25 | 0.7 | 0.5 | 83 | 552 | 68.8 | 31.4 | — | 6 | 8 | 8 | 9 | — | 7.0 | 44 | 5.27 | |
| Camden Square | 29.771 | 66.2 | 15.6 | 50.6 | 47.8 | 35.9 | 34.1 | 11.9 | 41.6 | 37.5 | 2.25 | 0.7 | 0.5 | 83 | 552 | 68.8 | 31.4 | — | 6 | 8 | 8 | 9 | — | 7.2 | 45 | 5.40 | |
| Barnet | 29.796 | 65.2 | 15.8 | 49.4 | 47.4 | 35.7 | 34.2 | 11.8 | 41.1 | 38.2 | 2.21 | 0.6 | 0.3 | 91 | 552 | 76.9 | 29.5 | 0.6 | 6 | 6 | 8 | 10 | — | 6.4 | 38 | 5.58 | |
| Oxford | 29.761 | 63.8 | 17.2 | 45.0 | 47.1 | 35.0 | 35.1 | 11.8 | 41.2 | 37.5 | 2.25 | 0.6 | 0.5 | 86 | 550 | 75.8 | 30.6 | 2.7 | 5 | 6 | 9 | 9 | 2.4 | 6.7 | 31 | 3.61 | |
| Royston | 29.790 | 63.8 | 15.8 | 47.5 | 47.1 | 34.1 | 35.4 | 13.0 | 40.2 | 33.7 | 2.19 | 0.5 | 0.4 | 88 | 552 | 85.2 | 35.0 | 1.6 | 6 | 6 | 8 | 9 | — | 6.7 | 29 | 4.95 | |
| Cambridge | 29.714 | 65.2 | 14.0 | 51.2 | 43.5 | 34.6 | 34.9 | 13.8 | 41.0 | 35.3 | 2.20 | 0.6 | 0.8 | 90 | 553 | 89.0 | — | 1.6 | 6 | 6 | 9 | 9 | — | 6.4 | 46 | 4.80 | |
| Rugby | 29.775 | 63.8 | 10.8 | 53.0 | 47.9 | 32.2 | 34.2 | 15.1 | 39.7 | 33.1 | 2.31 | 0.6 | 0.1 | 95 | 548 | 85.2 | 35.0 | 1.0 | 6 | 6 | 10 | 8 | — | 8.6 | 28 | 4.11 | |
| Lowestoft | 29.719 | 59.0 | 20.7 | 33.8 | 41.7 | 35.6 | 28.7 | 11.1 | 41.1 | 38.2 | 2.30 | 0.6 | 0.4 | 80 | 552 | 77.9 | 33.5 | 2.1 | 5 | 7 | 8 | 11 | — | 6.4 | 47 | 4.31 | |
| Somerleyton | 29.741 | 62.5 | 15.0 | 47.5 | 46.6 | 34.4 | 34.7 | 12.0 | 40.2 | 37.1 | 2.12 | 0.5 | 0.4 | 89 | 555 | 85.2 | 35.0 | 1.1 | 6 | 6 | 9 | 10 | — | 7.0 | 45 | 4.93 | |
| Wolverhampton | 29.737 | 62.1 | 18.8 | 40.3 | 45.5 | 33.0 | 31.8 | 12.6 | 39.1 | 34.0 | 2.12 | 0.4 | 0.4 | 88 | 550 | 85.2 | 35.0 | 1.3 | 5 | 6 | 10 | 8 | — | 8.0 | 36 | 4.43 | |
| Nottingham | 29.731 | 63.2 | 17.2 | 45.0 | 46.4 | 35.0 | 35.6 | 11.4 | 40.7 | 36.3 | 2.15 | 0.5 | 0.5 | 85 | 550 | 75.8 | 30.6 | 0.6 | 6 | 7 | 11 | 0.3 | 7.5 | 50 | 4.34 | | |
| Llandudno | 29.630 | 57.8 | 25.4 | 42.4 | 47.5 | 38.3 | 35.3 | 9.1 | 43.1 | 36.9 | 2.21 | 0.5 | 0.7 | 80 | 549 | 85.2 | 35.0 | 1.0 | 6 | 6 | 9 | 10 | — | 5.7 | 45 | 6.32 | |
| Liverpool | 29.701 | 60.0 | 22.8 | 37.5 | 46.6 | 37.0 | 29.9 | 9.5 | 41.1 | 33.6 | 2.17 | 0.5 | 0.5 | 84 | 549 | 85.2 | 35.0 | 1.0 | 7 | 6 | 7 | 9 | — | 6.9 | 48 | 5.52 | |
| Halifax | 29.730 | 57.0 | 17.0 | 40.0 | 44.8 | 34.8 | 32.2 | 9.8 | 39.2 | 34.1 | 1.98 | 0.3 | 0.3 | 83 | 545 | 67.0 | 33.1 | 0.8 | 4 | 8 | 8 | 10 | — | 8.0 | 61 | 9.79 | |
| Hull | 29.712 | 63.0 | 20.0 | 42.0 | 46.8 | 34.8 | 33.3 | 12.0 | 41.3 | 37.0 | 2.23 | 0.5 | 0.5 | 85 | 554 | 72.0 | 31.8 | 1.6 | 5 | 7 | 9 | 9 | — | 6.6 | 47 | 5.22 | |
| Bradford | 29.730 | 58.2 | 20.4 | 37.8 | 45.9 | 37.0 | 29.3 | 8.8 | 41.1 | 36.3 | 2.15 | 0.5 | 0.5 | 84 | 547 | 65.8 | — | — | 0.4 | 8 | 5 | 7 | 10 | — | 7.5 | 55 | 7.00 |
| Leeds | 29.693 | 62.0 | 21.0 | 41.0 | 46.2 | 37.7 | 31.0 | 8.5 | 41.5 | 38.2 | 2.33 | 0.7 | 0.4 | 89 | 551 | 85.2 | 35.0 | 1.3 | 5 | 6 | 8 | 11 | — | 7.0 | 37 | 5.63 | |
| Stonhurst | 29.705 | 58.0 | 19.8 | 38.2 | 46.3 | 33.9 | 34.1 | 12.5 | 40.3 | 36.0 | 2.13 | 0.5 | 0.4 | 86 | 549 | 75.8 | 30.6 | 1.0 | 6 | 7 | 8 | 10 | — | 7.8 | 68 | 11.22 | |
| Carlisle | 29.620 | 62.0 | 23.8 | 42.2 | 48.0 | 38.2 | 30.8 | 9.8 | 43.2 | 40.4 | 2.52 | 0.9 | 0.4 | 93 | 548 | 77.0 | 31.9 | 1.1 | 4 | 8 | 6 | 12 | 1.6 | 6.0 | 39 | 6.84 | |

The highest temperatures of the air were at the Royal Observatory, 68°·8; and at Blackheath and Barnet, 66°·5.

The lowest temperatures of the air were at Barnet, 9°·0; at Rugby, 10°·8; and at Blackheath, 11°·0.

The greatest ranges of temperature were at Barnet, 57°·0; at the Royal Observatory, 56°·7; and at Blackheath, 55°·5.

The least ranges of temperature were at Llandudno, 32°·4; at Ventnor, 34°·6; and at Guernsey, 35°·8.

The greatest number of days of rain were at Guernsey and Stonhurst, 62; and at Halifax, 61.

The least number of days of rain were at Rugby, 28; at Oxford, 31; and at Wolverhampton, 36.

The greatest falls of rain were at Stonhurst, 11·22 inches; at Halifax, 9·79 inches; and at Truro, 9·33 inches.

The least falls of rain were at Oxford, 3·61 inches; at Rugby, 4·11 inches; and at Lowestoft, 4·31 inches.

QUARTERLY METEOROLOGICAL TABLE FOR DIFFERENT PARALLELS OF LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Mean Number of Days it fell. | RAIN. | |
|--|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|----|-----------------------|-----------------------|---------------------------------|-------|------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | in. | 29.760 | 60.5 | 24.7 | 35.8 | 48.4 | 41.0 | 25.0 | 7.4 | 44.9 | 40.5 | 2.93 | 0.5 | 85 | 546 | 85.2 | 35.0 | 1.3 | 6 | 6 | 9 | 9 | 3.0 | 6.8 | 62 | in. | |
| Between the latitudes | 50° and 51° | 29.744 | 60.4 | 22.2 | 38.1 | 48.7 | 38.1 | 10.6 | 43.4 | 39.1 | 35.0 | 2.41 | 0.5 | 85 | 549 | 85.7 | 34.7 | 1.3 | 7 | 6 | 8 | 9 | 10 | 5.0 | 6.2 | 49 | 7.69 |
| | 51° and 52° | 29.759 | 64.2 | 14.9 | 49.2 | 47.6 | 34.9 | 35.9 | 12.7 | 41.1 | 37.9 | 2.29 | 0.7 | 84 | 551 | 74.2 | 30.8 | 1.4 | 6 | 7 | 8 | 9 | 9 | 2.4 | 6.6 | 43 | 5.60 |
| | 52° and 53° | 29.752 | 62.1 | 16.0 | 46.1 | 46.9 | 34.2 | 35.3 | 12.7 | 40.3 | 37.2 | 2.24 | 0.5 | 84 | 551 | 80.9 | 33.5 | 1.2 | 6 | 6 | 8 | 9 | 9 | 0.9 | 6.9 | 42 | 4.56 |
| | 53° and 54° | 29.768 | 59.5 | 21.1 | 38.4 | 46.2 | 36.3 | 30.2 | 9.6 | 41.2 | 33.5 | 2.18 | 0.5 | 84 | 549 | 68.3 | 32.5 | 1.0 | 6 | 6 | 8 | 10 | — | 7.0 | 49 | 6.58 | |
| | 54° and 55° | 29.693 | 62.0 | 21.0 | 41.0 | 46.2 | 37.7 | 31.0 | 8.5 | 41.5 | 38.2 | 2.33 | 0.7 | 84 | 551 | 85.2 | 35.0 | 1.3 | 5 | 6 | 8 | 7 | 11 | 1.6 | 6.9 | 56 | 8.78 |
| Mean for the Quarter, 50° to 55° | Year 1887 | 29.913 | 58.1 | 17.4 | 40.5 | 44.5 | 32.1 | 35.2 | 12.4 | 38.1 | 34.2 | 1.98 | 0.3 | 87 | 557 | 71.6 | 26.7 | 1.1 | 6 | 8 | 7 | 10 | 2.6 | 6.7 | 33 | 5.00 | |
| | " 1888 | 29.744 | 65.6 | 17.0 | 38.1 | 42.4 | 32.2 | 33.4 | 10.2 | 37.2 | 33.8 | 1.95 | 0.4 | 85 | 554 | 69.2 | 30.4 | 1.2 | 7 | 6 | 9 | 9 | 1.8 | 7.5 | 45 | 5.55 | |
| | " 1889 | 29.809 | 59.1 | 18.8 | 40.3 | 44.8 | 33.1 | 34.6 | 11.8 | 38.5 | 34.5 | 2.04 | 0.4 | 86 | 554 | 75.8 | 31.3 | 0.9 | 9 | 5 | 6 | 10 | 1.4 | 7.2 | 45 | 5.90 | |
| | " 1890 | 29.721 | 61.6 | 19.2 | 42.4 | 47.3 | 35.9 | 33.0 | 11.4 | 41.5 | 37.8 | 2.29 | 0.6 | 87 | 550 | 77.1 | 32.5 | 1.2 | 6 | 6 | 8 | 10 | 2.3 | 6.7 | 48 | 6.64 | |

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING JUNE 30, 1890.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING JUNE 30TH, 1890.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in April was generally dry, with cold E. and N.E. winds. The temperature of the air was generally below its average, a few days only exceeding their averages. The atmospheric pressure was above its average during the first five days, and generally below during the remainder of the month. The fall of rain at a few stations slightly exceeded the average, but was below at most stations. The sky was generally overcast. It was a month very favourable for farming operations.

The weather in May was variable, but on the whole a fine month. Till the seventh day the weather was warm, then cold for two or three days, then warm to the 25th, which day and that preceding, viz., the 24th, were hot, and from the 26th, the weather was cold to the end of the month. The atmospheric pressure was below its average till the 20th, and above it from the 21st. The fall of rain was generally above its average. Very cold winds prevailed from the 26th to the end of the month. The month was favourable for agricultural pursuits.

The weather in June was cold and wet. The temperature of the air was nearly constantly below its average. The atmospheric pressure was below its average from the second day to the 6th, and from the 26th, and was generally above on other days. The fall of rain was generally above the average. There were but a few fine days in the month, and the showery weather at the latter part of the month was bad for hay-making.

The mean daily range of temperature for April was $17^{\circ} \cdot 2$, being $1^{\circ} \cdot 1$ smaller than the average; in May it was $21^{\circ} \cdot 9$, being $1^{\circ} \cdot 5$ larger than the average; and in June it was $19^{\circ} \cdot 6$, being $1^{\circ} \cdot 4$ smaller than the average.

The mean temperature in April was $2^{\circ} \cdot 4$ warmer than in March; in May it was $9^{\circ} \cdot 2$ warmer than in April; and in June it was $3^{\circ} \cdot 3$ warmer than in May.

(From the preceding 49 years' observations the increase from March to April is $5^{\circ} \cdot 4$, from April to May $5^{\circ} \cdot 7$, and from May to June $6^{\circ} \cdot 3$.)

From March to April there was an increase at all stations; at those south of 52° of $2^{\circ} \cdot 4$; between 52° and 53° of $1^{\circ} \cdot 5$; and at stations north of this parallel of $0^{\circ} \cdot 7$.

From April to May there was an increase at all stations; at those south of 51° of $6^{\circ} \cdot 9$; and at stations north of this parallel of $8^{\circ} \cdot 5$.

From May to June there was an increase at all stations; at those south of 51° of $2^{\circ} \cdot 8$; between 51° and 53° of $4^{\circ} \cdot 0$, and at stations north of this parallel of $3^{\circ} \cdot 0$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of April was $29 \cdot 644$ ins., being $0 \cdot 099$ in. below the average of 49 years. It was $0 \cdot 085$ in. higher than in 1889, and $0 \cdot 063$ in. and $0 \cdot 174$ in. lower than in 1888 and 1887 respectively.

| Temperature of | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|----------------------------------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|-------|---------------------------------|--------------------------|---------------------------------|--|--|
| 1890. MONTHS. | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | | | |
| | Mean. | Diff. from average of 119 years. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | | |
| April - | 45.6 | -0.5 | -1.3 | 42.1 | -1.7 | 33.1 | -2.3 | 17.2 | -1.1 | .259 | -.021 | 2.7 | -0.9 | | |
| May - | 51.8 | +1.3 | +2.2 | 49.6 | +0.7 | 44.7 | -0.3 | 21.9 | +1.5 | .296 | -.003 | 3.3 | -0.1 | | |
| June - | 53.1 | -0.2 | -0.8 | 54.6 | 0.0 | 51.5 | +0.8 | 19.6 | -1.4 | .333 | +.012 | 4.3 | +0.1 | | |
| Means - | 52.8 | +0.5 | 0.0 | 48.8 | -0.3 | 41.8 | -0.6 | 19.6 | -0.3 | .303 | -.004 | 3.4 | -0.1 | | |

| 1890. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|------------|--------------------------|---------------------------|
| | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Amount. | Diff. from average of 75 years. | | Number of Nights it was | | | Lowest Reading at Night. | Highest Reading at Night. |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| April - | 76 | - 4 | in. | in. | grs. | grs. | in. | in. | Miles. | 14 | 13 | 3 | 22.6 | 42.1 |
| May - | 69 | -10 | 29.644 | - .099 | 543 | 0 | 1.77 | +0.03 | 286 | 4 | 19 | 8 | 26.6 | 44.9 |
| June - | 79 | + 4 | 29.663 | - .122 | 534 | - 6 | 1.31 | -0.73 | 255 | 1 | 7 | 22 | 28.5 | 50.8 |
| Means - | 75 | - 3 | 29.711 | - .099 | 537 | - 2 | Sum 5.63 | Sum +9.14 | Mean 264 | Sum 19 | Sum 39 | Sum 33 | Lowest 22.6 | Highest 50.8 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|--------------------|--------|----------|-------------------------|-------|----------|-------------------------|-------|----------|-------------------------|
| | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3 | 4½ | -1½ | 2 | 1½ | +½ | 5 | 2½ | +2½ |
| N. | 4 | 3 | +1 | 3 | 4½ | -1½ | 1 | 3½ | -2½ |
| N.E. | 11 | 8½ | +2½ | 10 | 7½ | +2½ | 2 | 3½ | -1½ |
| E. | 1 | 2½ | -1½ | 4 | 2½ | +1½ | 1 | 2½ | -1½ |
| S.E. | 4 | 3½ | +½ | 2 | 1½ | +½ | 2 | 1½ | +½ |
| S. | 1 | 2½ | -1½ | 5 | 2½ | +2½ | 4 | 2½ | +1½ |
| S.W. | 4 | 6½ | -2½ | 4 | 8½ | -4½ | 12 | 10 | +2 |
| W. | 2 | 4 | -2 | 1 | 2½ | -1½ | 3 | 4 | -1 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in April are opposite to N.E., E., and N.; in May to N.E., S., and E.; and in June to N.W., S.W., and S.

The sign (-) denotes deficiencies below averages. In April this sign is opposite to S.W., W., S., E., and N.W.; in May to S.W., N., and W.; and in June to N., N.E., E., and W.

The mean reading of the barometer for May was $29 \cdot 666$ ins., being $0 \cdot 122$ in. below the average of 49 years. It was $0 \cdot 004$ in. higher than in 1889, and $0 \cdot 086$ in., and $0 \cdot 347$ in. lower than in 1888 and 1887 respectively; and there were only five instances of as low or lower readings back to the year 1841, viz.:—

| | | |
|---------------------------------|---------------------------------|---------------------------------|
| 1889 it was $29 \cdot 662$ ins. | 1878 it was $29 \cdot 618$ ins. | 1843 it was $29 \cdot 664$ ins. |
| 1885 " $29 \cdot 628$ " | 1868 " $29 \cdot 651$ " | |

The mean reading of the barometer for June was $29 \cdot 824$ ins., being $0 \cdot 013$ in. above the average of 49 years. It was $0 \cdot 030$ in. lower than in 1889, $0 \cdot 224$ in. higher than in 1888, and $0 \cdot 042$ in. lower than in 1889.

From March to April there was a decrease of atmospheric pressure at stations south of 51° of $0 \cdot 06$ in., and between 51° and 52° of $0 \cdot 02$ in.; there was an increase at stations between 52° and 53° of $0 \cdot 02$ in., and at stations north of this parallel of $0 \cdot 07$ in.

From April to May there was an increase of about $0 \cdot 01$ inch throughout the country.

From May to June there was an increase at all stations; at those south of 51° of $0 \cdot 22$ in. between 51° and 53° of $0 \cdot 15$ in., and at stations north of this parallel of $0 \cdot 11$ in.

About London the atmospheric pressure was above its average till April 5th, the mean daily excess being $0 \cdot 21$ in.; from April 6th to May 20th it was generally below, the mean daily deficiency for the 45 days being $0 \cdot 18$ in.; from May 21st to June 1st it was generally above, the mean daily excess being $0 \cdot 13$ in.; from June 2nd to the 6th it was below, the mean daily deficiency being $0 \cdot 04$ in.; from June 7th to the 25th it was generally above, the mean daily excess being $0 \cdot 11$ in.; and from June 26th to the end of the month it was below its average, being particularly so on the 30th, when it was $0 \cdot 69$ in. below its average, the mean daily deficiency for the 5 days being $0 \cdot 25$ inch.

Thunderstorms occurred in April on the 16th at Guernsey; on the 26th at Plymouth, Bath, and Wolverhampton; and on the 27th at Plymouth and Bath.

In May on the 2nd at Wolverhampton; on the 6th at Hereford, Somerleyton, Halifax, and Leeds; on the 7th at Oxford and Hull; on the 11th at Oxford; on the 12th at Halifax; on the 19th at Torquay, Oxford, Royston, Somerleyton, and Liverpool; on the 20th at Hereford and Leeds; on the 25th at Plymouth and Torquay; and on the 29th at Liverpool.

In June on the 1st at Halifax; on the 6th at Somerleyton; on the 10th at Wolverhampton, Liverpool, Halifax, Bradford, Leeds, and Stonyhurst; on the 11th at Blackheath and Royal Observatory; on the 12th at Blackheath, Royal Observatory, and Royston; on the 28th at Torquay, Hereford, and Hull; on the 29th at Torquay; and on the 30th at Cambridge.

Thunder was heard but lightning was not seen in April on the 6th at Hereford; on the 12th at Whitechurch; on the 16th at Truro, Bath, Whitechurch, Oxford, and Rugby; on the 26th at Oxford, Rugby, and Liverpool; and on the 28th at Torquay.

In May on the 2nd at Bath, Hereford, and Liverpool; on the 6th at Llandudno and Carlisle; on the 7th at Whitechurch, Blackheath, Royal Observatory, and Liverpool; on the 8th at Whitechurch; on the 11th at Hereford; on the 12th at Stonyhurst; on the 18th at Somerleyton; on the 19th at Whitechurch, Royston, and Cambridge; on the 24th at Guernsey; and on the 25th at Truro and Torquay.

In June on the 4th at Cambridge; on the 11th at Whitechurch and Liverpool; on the 12th at Osborne, Whitechurch, Oxford, Royston, Cambridge, and Wolverhampton; on the 17th at Llandudno; on the 27th at Hull and Carlisle; on the 28th at Torquay, Liverpool, Halifax, Stonyhurst, and Carlisle; and on the 29th at Bath, Hereford, and Liverpool.

Lightning was seen but thunder was not heard in April on the 2nd at Bath; and on the 16th at Osborne.

In May on the 6th at Stonyhurst and Carlisle; on the 12th at Cambridge; on the 19th at Osborne, Oxford, Royston, Hereford, and Cambridge; on the 24th at Torquay; and on the 25th at Torquay and Oxford.

In June on the 11th at Bath; on the 16th at Halifax; on the 25th at Bath; and on the 29th at Bath and Cambridge.

Solar halos were seen in April on the 5th at Oxford, Liverpool, and Halifax; on the 7th at Torquay; on the 9th at Torquay, Oxford, and Liverpool; on the 10th at Liverpool; on the 12th at Torquay and Liverpool; on the 13th at Torquay, Oxford, and Liverpool; on the 14th, 15th, and 22nd at Torquay; on the 23rd at Guernsey, Torquay, Oxford, and Liverpool; on the 25th at Torquay, Oxford, and Halifax; and on the 28th and 30th at Torquay and Liverpool.

In May on the 1st at Oxford; on the 2nd at Torquay; on the 3rd and 6th at Oxford; on the 7th at Oxford and Liverpool; on the 11th at Liverpool; on the 15th at Osborne, Oxford, Liverpool, and Halifax; on the 16th at Oxford; on the 17th at Liverpool; on the 18th at Torquay; on the 19th, 21st, and 24th at Liverpool; on the 25th at Torquay; on the 29th at Torquay, Oxford, Hereford, and Liverpool; and on the 30th at Torquay.

In June on the 2nd at Liverpool; on the 4th at Liverpool and Halifax; on the 9th and 16th at Torquay and Oxford; on the 19th at Torquay and Liverpool; on the 20th at Liverpool; on the 21st at Torquay; on the 24th at Liverpool; on the 25th at Torquay and Oxford; and on the 29th at Torquay, Oxford, and Liverpool.

Lunar halos were seen in April on the 28th at Oxford and Stonyhurst; and on the 29th at Guernsey and Torquay.

In May on the 1st at Oxford, Royston, and Cambridge; on the 2nd at Guernsey, Torquay, and Oxford; on the 6th at Oxford; and on the 30th at Torquay.

In June on the 21st at Hereford; and on the 29th at Cambridge.

Snow fell in April on the 8th at Whitechurch, Blackheath, Royal Observatory, Royston, Rugby, and Wolverhampton; on the 10th at Bath, Whitechurch, Wolverhampton, and Halifax; on the 11th at Salisbury, Whitechurch, Oxford, Royston, Hereford, and Rugby; on the 12th at Halifax, Bradford, and Stonyhurst; and on the 13th at Halifax, Bradford, Leeds, and Stonyhurst.

In May on the 15th at Halifax.

Hail fell in April on the 7th at Oxford, Royston, Halifax, and Stonyhurst; on the 8th at Torquay, Salisbury, Bath, Oxford, Hereford, Rugby, and Halifax; on the 9th at Hull; on the 10th at Truro, Rugby, and Hull; on the 11th at Truro, Torquay, Royston, and Hull; on the 12th at Truro and Hull; on the 22nd at Liverpool; on the 23rd at Royston; on the 26th at Torquay, Osborne, Salisbury, Bath, Whitechurch, Royston, and Rugby; and on the 27th at Torquay, Salisbury, Royston, and Hull.

In May on the 6th at Salisbury, Hereford and Leeds; on the 11th at Oxford; and on the 14th at Wolverhampton.

In June on the 11th at Torquay, Whitechurch, and Cambridge; on the 12th at Whitechurch; and on the 27th at Halifax.

Fog prevailed in April on the 1st at Leeds; on the 2nd at Bath and Leeds; on the 4th at Bath, Rugby, and Stonyhurst; on the 5th at Plymouth, Bath, Royston, Cambridge, and Hull; on the 6th at Plymouth; on the 11th at Bath; on the 16th at Torquay; on the 17th at Bath and Cambridge; on the 20th at Torquay; on the 21st at Plymouth and Torquay; and on the 24th and 26th at Bath.

In May on the 2nd at Wolverhampton and Hull; on the 4th and 6th at Hull; on the 8th at Somerleyton; on the 19th at Guernsey, Torquay, and Bath; and on the 25th at Guernsey.

In June on the 4th at Osborne and Bath; on the 6th at Guernsey; on the 8th at Bath; on the 10th at Guernsey and Torquay; on the 12th, 13th, and 14th at Bath; on the 15th at Guernsey and Bath; on the 16th at Guernsey and Osborne; on the 18th at Guernsey and Bath; on the 22nd and 23rd at Guernsey; on the 24th at Guernsey, Torquay, and Bath; and on the 25th at Guernsey and Bath.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1890.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Months. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | Vapour. | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Orzone. | Number of Days it fell. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|------------------------------------|---------|----------------------------------|--------|--------|------------------------------|---------|--------|-------------------|---------|------------------------------|-------------------------|----------------------|-----------------|--------|------------------------|-------------------------|--------|------------|----------------|--|-------------------------|--------------------|----------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| | | | Mean. | Range. | | Highest. | Lowest. | Range. | | | Mean. | In a cubic foot of Air. | Short of Saturation. | Mean Dew Point. | Air. | | | | Dew Point. | Elastic Force. | Mean Weight of a cubic foot of Air, at 100°. | Maximum in Rays of Sun. | Minimum in Grains. | Rain Strength. | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | N. | S. | | | | | | | | | | | | | | | | | | | | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUERNSEY. | 275 | April | 29.532 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29.531 | 29. |

| Year 1886. | Months. | Height of Station Above Sea Level. | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. |
|---------------|-----------|---------------------------------------|------------------------------|---------|--------------|-------------|-------------------|------------|----------------------------|----------------|---------------------------|------------------------------------|-------------------------|-------|---|--------------------------|--------------------------|-------|
| | | | Range. | | Mean. | | Air. | Dew Point. | In a Cubic foot of Air. | Elastic Force. | Relative Proportion of | | | | | | | |
| | | | Highest. | Lowest. | All Highest. | All Lowest. | | | | | Daily Range. | | Short of Saturation. | Mean. | Mean Degree of Humi- dity, Sat. = 100. | | | |
| | | feet. | in. | in. | ° | ° | ° | ° | ° | in. | ° | ° | ° | ° | ° | ° | ° | ° |
| | April | 29-569 | 120 | 61.5 | 33.5 | 54.1 | 37.1 | 43.5 | 39.7 | 215 | 2.8 | 86 | 516 | 11 | 1.7 | 6.3 | 16. | |
| | May | 29-563 | 120 | 60.5 | 32.5 | 46.5 | 36.5 | 55.5 | 45.7 | 207 | 3.5 | 85 | 535 | 9 | 1.7 | 1.87 | | |
| | June | 29-564 | 120 | 59.5 | 31.5 | 45.5 | 35.5 | 56.5 | 46.7 | 197 | 4.2 | 85 | 534 | 10 | 1.7 | 1.30 | | |
| | July | 29-564 | 120 | 58.5 | 30.5 | 44.5 | 34.5 | 57.5 | 47.7 | 187 | 5.0 | 84 | 533 | 11 | 1.7 | 2.79 | | |
| | August | 29-563 | 120 | 57.5 | 29.5 | 43.5 | 33.5 | 58.5 | 48.7 | 177 | 5.8 | 83 | 532 | 12 | 1.7 | 1.87 | | |
| | September | 29-563 | 120 | 56.5 | 28.5 | 42.5 | 32.5 | 59.5 | 49.7 | 167 | 6.6 | 82 | 531 | 13 | 1.7 | 1.30 | | |
| | October | 29-563 | 120 | 55.5 | 27.5 | 41.5 | 31.5 | 60.5 | 50.7 | 157 | 7.4 | 81 | 530 | 14 | 1.7 | 2.79 | | |
| | November | 29-563 | 120 | 54.5 | 26.5 | 40.5 | 30.5 | 61.5 | 51.7 | 147 | 8.2 | 80 | 529 | 15 | 1.7 | 1.87 | | |
| | December | 29-563 | 120 | 53.5 | 25.5 | 39.5 | 29.5 | 62.5 | 52.7 | 137 | 9.0 | 79 | 528 | 16 | 1.7 | 1.30 | | |
| | January | 29-563 | 120 | 52.5 | 24.5 | 38.5 | 28.5 | 63.5 | 53.7 | 127 | 9.8 | 78 | 527 | 17 | 1.7 | 2.79 | | |
| | February | 29-563 | 120 | 51.5 | 23.5 | 37.5 | 27.5 | 64.5 | 54.7 | 117 | 10.6 | 77 | 526 | 18 | 1.7 | 1.87 | | |
| | March | 29-563 | 120 | 50.5 | 22.5 | 36.5 | 26.5 | 65.5 | 55.7 | 107 | 11.4 | 76 | 525 | 19 | 1.7 | 1.30 | | |
| | April | 29-569 | 120 | 61.5 | 33.5 | 54.1 | 37.1 | 43.5 | 39.7 | 215 | 2.8 | 86 | 516 | 11 | 1.7 | 6.3 | 16. | |
| | May | 29-563 | 120 | 60.5 | 32.5 | 46.5 | 36.5 | 55.5 | 45.7 | 207 | 3.5 | 85 | 535 | 9 | 1.7 | 1.87 | | |
| | June | 29-564 | 120 | 59.5 | 31.5 | 45.5 | 35.5 | 56.5 | 46.7 | 197 | 4.2 | 85 | 534 | 10 | 1.7 | 1.30 | | |
| | July | 29-564 | 120 | 58.5 | 30.5 | 44.5 | 34.5 | 57.5 | 47.7 | 187 | 5.0 | 84 | 533 | 11 | 1.7 | 2.79 | | |
| | August | 29-563 | 120 | 57.5 | 29.5 | 43.5 | 33.5 | 58.5 | 48.7 | 177 | 5.8 | 83 | 532 | 12 | 1.7 | 1.87 | | |
| | September | 29-563 | 120 | 56.5 | 28.5 | 42.5 | 32.5 | 59.5 | 49.7 | 167 | 6.6 | 82 | 531 | 13 | 1.7 | 1.30 | | |
| | October | 29-563 | 120 | 55.5 | 27.5 | 41.5 | 31.5 | 60.5 | 50.7 | 157 | 7.4 | 81 | 530 | 14 | 1.7 | 2.79 | | |
| | November | 29-563 | 120 | 54.5 | 26.5 | 40.5 | 30.5 | 61.5 | 51.7 | 147 | 8.2 | 80 | 529 | 15 | 1.7 | 1.87 | | |
| | December | 29-563 | 120 | 53.5 | 25.5 | 39.5 | 29.5 | 62.5 | 52.7 | 137 | 9.0 | 79 | 528 | 16 | 1.7 | 1.30 | | |
| | January | 29-563 | 120 | 52.5 | 24.5 | 38.5 | 28.5 | 63.5 | 53.7 | 127 | 9.8 | 78 | 527 | 17 | 1.7 | 2.79 | | |
| | February | 29-563 | 120 | 51.5 | 23.5 | 37.5 | 27.5 | 64.5 | 54.7 | 117 | 10.6 | 77 | 526 | 18 | 1.7 | 1.87 | | |
| | March | 29-563 | 120 | 50.5 | 22.5 | 36.5 | 26.5 | 65.5 | 55.7 | 107 | 11.4 | 76 | 525 | 19 | 1.7 | 1.30 | | |
| | April | 29-569 | 120 | 61.5 | 33.5 | 54.1 | 37.1 | 43.5 | 39.7 | 215 | 2.8 | 86 | 516 | 11 | 1.7 | 6.3 | 16. | |
| | May | 29-563 | 120 | 60.5 | 32.5 | 46.5 | 36.5 | 55.5 | 45.7 | 207 | 3.5 | 85 | 535 | 9 | 1.7 | 1.87 | | |
| | June | 29-564 | 120 | 59.5 | 31.5 | 45.5 | 35.5 | 56.5 | 46.7 | 197 | 4.2 | 85 | 534 | 10 | 1.7 | 1.30 | | |
| | July | 29-564 | 120 | 58.5 | 30.5 | 44.5 | 34.5 | 57.5 | 47.7 | 187 | 5.0 | 84 | 533 | 11 | 1.7 | 2.79 | | |
| | August | 29-563 | 120 | 57.5 | 29.5 | 43.5 | 33.5 | 58.5 | 48.7 | 177 | 5.8 | 83 | 532 | 12 | 1.7 | 1.87 | | |
| | September | 29-563 | 120 | 56.5 | 28.5 | 42.5 | 32.5 | 59.5 | 49.7 | 167 | 6.6 | 82 | 531 | 13 | 1.7 | 1.30 | | |
| | October | 29-563 | 120 | 55.5 | 27.5 | 41.5 | 31.5 | 60.5 | 50.7 | 157 | 7.4 | 81 | 530 | 14 | 1.7 | 2.79 | | |
| | November | 29-563 | 120 | 54.5 | 26.5 | 40.5 | 30.5 | 61.5 | 51.7 | 147 | 8.2 | 80 | 529 | 15 | 1.7 | 1.87 | | |
| | December | 29-563 | 120 | 53.5 | 25.5 | 39.5 | 29.5 | 62.5 | 52.7 | 137 | 9.0 | 79 | 528 | 16 | 1.7 | 1.30 | | |
| | January | 29-563 | 120 | 52.5 | 24.5 | 38.5 | 28.5 | 63.5 | 53.7 | 127 | 9.8 | 78 | 527 | 17 | 1.7 | 2.79 | | |
| | February | 29-563 | 120 | 51.5 | 23.5 | 37.5 | 27.5 | 64.5 | 54.7 | 117 | 10.6 | 77 | 526 | 18 | 1.7 | 1.87 | | |
| | March | 29-563 | 120 | 50.5 | 22.5 | 36.5 | 26.5 | 65.5 | 55.7 | 107 | 11.4 | 76 | 525 | 19 | 1.7 | 1.30 | | |
| | April | 29-569 | 120 | 61.5 | 33.5 | 54.1 | 37.1 | 43.5 | 39.7 | 215 | 2.8 | 86 | 516 | 11 | 1.7 | 6.3 | 16. | |
| | May | 29-563 | 120 | 60.5 | 32.5 | 46.5 | 36.5 | 55.5 | 45.7 | 207 | 3.5 | 85 | 535 | 9 | 1.7 | 1.87 | | |
| | June | 29-564 | 120 | 59.5 | 31.5 | 45.5 | 35.5 | 56.5 | 46.7 | 197 | 4.2 | 85 | 534 | 10 | 1.7 | 1.30 | | |
| | July | 29-564 | 120 | 58.5 | 30.5 | 44.5 | 34.5 | 57.5 | 47.7 | 187 | 5.0 | 84 | 533 | 11 | 1.7 | 2.79 | | |
| | August | 29-563 | 120 | 57.5 | 29.5 | 43.5 | 33.5 | 58.5 | 48.7 | 177 | 5.8 | 83 | 532 | 12 | 1.7 | 1.87 | | |
| | September | 29-563 | 120 | 56.5 | 28.5 | 42.5 | 32.5 | 59.5 | 49.7 | 167 | 6.6 | 82 | 531 | 13 | 1.7 | 1.30 | | |
| | October | 29-563 | 120 | 55.5 | 27.5 | 41.5 | 31.5 | 60.5 | 50.7 | 157 | 7.4 | 81 | 530 | 14 | 1.7 | 2.79 | | |
| | November | 29-563 | 120 | 54.5 | 26.5 | 40.5 | 30.5 | 61.5 | 51.7 | 147 | 8.2 | 80 | 529 | 15 | 1.7 | 1.87 | | |
| | December | 29-563 | 120 | 53.5 | 25.5 | 39.5 | 29.5 | 62.5 | 52.7 | 137 | 9.0 | 79 | 528 | 16 | 1.7 | 1.30 | | |
| | January | 29-563 | 120 | 52.5 | 24.5 | 38.5 | 28.5 | 63.5 | 53.7 | 127 | 9.8 | 78 | 527 | 17 | 1.7 | 2.79 | | |
| | February | 29-563 | 120 | 51.5 | 23.5 | 37.5 | 27.5 | 64.5 | 54.7 | 117 | 10.6 | 77 | 526 | 18 | 1.7 | 1.87 | | |
| | March | 29-563 | 120 | 50.5 | 22.5 | 36.5 | 26.5 | 65.5 | 55.7 | 107 | 11.4 | 76 | 525 | 19 | 1.7 | 1.30 | | |
| | April | 29-569 | 120 | 61.5 | 33.5 | 54.1 | 37.1 | 43.5 | 39.7 | 215 | 2.8 | 86 | 516 | 11 | 1.7 | 6.3 | 16. | |
| | May | 29-563 | 120 | 60.5 | 32.5 | 46.5 | 36.5 | 55.5 | 45.7 | 207 | 3.5 | 85 | 535 | 9 | 1.7 | 1.87 | | |
| | June | 29-564 | 120 | 59.5 | 31.5 | 45.5 | 35.5 | 56.5 | 46.7 | 197 | 4.2 | 85 | 534 | 10 | 1.7 | 1.30 | | |
| | July | 29-564 | 120 | 58.5 | 30.5 | 44.5 | 34.5 | 57.5 | 47.7 | 187 | 5.0 | 84 | 533 | 11 | 1.7 | 2.79 | | |
| | August | 29-563 | 120 | 57.5 | 29.5 | 43.5 | 33.5 | 58.5 | 48.7 | 177 | 5.8 | 83 | 532 | 12 | 1.7 | 1.87 | | |
| | September | 29-563 | 120 | 56.5 | 28.5 | 42.5 | 32.5 | 59.5 | 49.7 | 167 | 6.6 | 82 | 531 | 13 | 1.7 | 1.30 | | |
| | October | 29-563 | 120 | 55.5 | 27.5 | 41.5 | 31.5 | 60.5 | 50.7 | 157 | 7.4 | 81 | 530 | 14 | 1.7 | 2.79 | | |
| | November | 29-563 | 120 | 54.5 | 26.5 | 40.5 | 30.5 | 61.5 | 51.7 | 147 | 8.2 | 80 | 529 | 15 | 1.7 | 1.87 | | |
| | December | 29-563 | 120 | 53.5 | 25.5 | 39.5 | 29.5 | 62.5 | 52.7 | 137 | 9.0 | 79 | 528 | 16 | 1.7 | 1.30 | | |
| | January | 29-563 | 120 | 52.5 | 24.5 | 38.5 | 28.5 | 63.5 | 53.7 | 127 | 9.8 | 78 | 527 | 17 | 1.7 | 2.79 | | |
| | February | 29-563 | 120 | 51.5 | 23.5 | 37.5 | 27.5 | 64.5 | 54.7 | 117 | 10.6 | 77 | 526 | 18 | 1.7 | 1.87 | | |
| | March | 29-563 | 120 | 50.5 | 22.5 | 36.5 | 26.5 | 65.5 | 55.7 | 107 | 11.4 | 76 | 525 | 19 | 1.7 | 1.30 | | |
| | April | 29-569 | 120 | 61.5 | 33.5 | 54.1 | 37.1 | 43.5 | 39.7 | 215 | 2.8 | 86 | 516 | 11 | 1.7 | 6.3 | 16. | |
| | May | 29-563 | 120 | 60.5 | 32.5 | 46.5 | 36.5 | 55.5 | 45.7 | 207 | 3.5 | 85 | 535 | 9 | 1.7 | 1.87 | | |
| | June | 29-564 | 120 | 59.5 | 31.5 | 45.5 | 35.5 | 56.5 | 46.7 | 197 | 4.2 | 85 | 534 | 10 | 1.7 | 1.30 | | |
| | July | 29-564 | 120 | 58.5 | 30.5 | 44.5 | 34.5 | 57.5 | 47.7 | 187 | 5.0 | 84 | 533 | 11 | 1.7 | 2.79 | | |
| | August | 29-563 | 120 | 57.5 | 29.5 | 43.5 | 33.5 | 58.5 | 48.7 | 177 | 5.8 | 83 | 532 | 12 | 1.7 | 1.87 | | |
| | September | 29-563 | 120 | 56.5 | 28.5 | 42.5 | 32.5 | 59.5 | 49.7 | 167 | 6.6 | 82 | 531 | 13 | 1.7 | 1.30 | | |
| | October | 29-563 | 120 | 55.5 | 27.5 | 41.5 | 31.5 | 60.5 | 50.7 | 157 | 7.4 | 81 | 530 | 14 | 1.7 | 2.79 | | |
| | November | 29-563 | 120 | 54.5 | 26.5 | 40.5 | 30.5 | 61.5 | 51.7 | 147 | 8.2 | 80 | 529 | 15 | 1.7 | 1.87 | | |
| | December | 29-563 | 120 | 53.5 | 25.5 | 39.5 | 29.5 | 62.5 | 52.7 | 137 | 9.0 | 79 | 528 | 16 | 1.7 | 1.30 | | |
| | January | 29-563 | 120 | 52.5 | 24.5 | 38.5 | 28.5 | 63.5 | 53.7 | 127 | 9.8 | 78 | 527 | 17 | 1.7 | 2.79 | | |
| | February | 29-563 | 120 | 51.5 | 23.5 | 37.5 | 27.5 | 64.5 | 54.7 | 117 | 10.6 | 77 | 526 | 18 | 1.7 | 1.87 | | |
| | March | 29-563 | 120 | 50.5 | 22.5 | 36.5 | 26.5 | 65.5 | 55.7 | 107 | 11.4 | 76 | 525 | 19 | 1.7 | 1.30 | | |
| | April | 29-569 | 120 | 61.5 | 33.5 | 54.1 | 37.1 | 43.5 | 39.7 | 215 | 2.8 | 86 | 516 | 11 | 1.7 | 6.3 | 16. | |
| | May | 29-563 | 120 | 60.5 | 32.5 | 46.5 | 36.5 | 55.5 | 45.7 | 207 | 3.5 | 85 | 535 | 9 | 1.7 | 1.87 | | |
| | June | 29-564 | 120 | 59.5 | 31.5 | 45.5 | 35.5 | 56.5 | 46.7 | 197 | 4.2 | 85 | 534 | 10 | 1.7 | 1.30 | | |
| | July | 29-564 | 120 | 58.5 | 30.5 | 44.5 | 34.5 | 57.5 | 47.7 | 187 | 5.0 | 84 | 533 | 11 | 1.7 | 2.79 | | |
| | August | 29-563 | 120 | 57.5 | 29.5 | 43.5 | 33.5 | 58.5 | 48.7 | 177 | 5.8 | 83 | 532 | 12 | 1.7 | 1.87 | | |
| | September | 29-563 | 120 | 56.5 | 28.5 | 42.5 | 32.5 | 59.5 | 49.7 | 167 | 6.6 | 82 | 531 | 13 | 1.7 | 1.30 | | |
| | October | 29-563 | 120 | 55.5 | 27.5 | 41.5 | 31.5 | 60.5 | 50.7 | 157 | 7.4 | 81 | 530 | 14 | 1.7 | 2.79 | | |
| | November | 29-563 | 120 | 54.5 | 26.5 | 40.5 | 30.5 | 61.5 | 51.7 | 147 | 8.2 | 80 | 529 | 15 | 1.7 | 1.87 | | |
| | December | 29-563 | 120 | 53.5 | 25.5 | 39.5 | 29.5 | 62.5 | 52.7 | 137 | 9.0 | 79 | 528 | 16 | 1.7 | 1.30 | | |
| | January | 29-563 | 120 | 52.5 | 24.5 | 38.5 | 28.5 | 63.5 | | | | | | | | | | |

| Year 1860. | Names of Stations and Observers. | Height of Station above Sea Level. | Temperature of Air in Month. | | | | | Mean Range. | Highest. | Lowest. | Range. | | Mean. | | Mean Tem- perature. | Elastic Force. | Vapour. | | Mean Degree of Humi- dity, 32° = 100. | Mean Weight of a cubic foot of Air. | Mean Reading of a Thermometer. | | | Wind. | Relative Proportion of | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | | | | | | |
|---------------|---|---------------------------------------|------------------------------|---------|--------|-----------------|----------------|----------------|----------|---------|--------|--------------------------|---|--|------------------------|----------------|----------------------------|----------------------|---|--|-----------------------------------|----|----|-------|---------------------------|--------------------------|--------------------------|----------------------------|-------|----|-------|--------------------------|----------------|---|--|----------------------------|----------------------|------------|
| | | | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | | | | Mean. | Short of foot of Air. | Mean Degree of Humi- dity, 32° = 100. | Mean Weight of a cubic foot of Air. | | | Maximum in Rays of Sun. | Minimum on Grass. | | | Estimated. | N. | S. | | | | | | | W. | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Mean. | Short of foot of Air. | Elastic Force. | Mean Degree of Humi- dity, 32° = 100. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April | LIVERPOOL, The Observatory. | 157 | 59.0 | 51.6 | 39.7 | 11.9 | 44.4 | 37.5 | 22.4 | 2.7 | 75.9 | 614 | 57.7 | 10 | 1.15 | | | | | | | | | | | | | | | | | | | | | | | |
| May | JOHN HARRIS, Esq., F.R.S.A.S. | 157 | 59.0 | 51.6 | 41.2 | 14.4 | 42.7 | 43.7 | 38.4 | 3.3 | 75.9 | 614 | 57.7 | 14 | 1.64 | | | | | | | | | | | | | | | | | | | | | | | |
| June | JOHN HARRIS, Esq., F.R.S.A.S. | 157 | 59.0 | 51.6 | 43.5 | 16.7 | 45.1 | 49.2 | 35.1 | 3.9 | 75.9 | 614 | 57.7 | 18 | 2.62 | | | | | | | | | | | | | | | | | | | | | | | |
| April | HALEFAX, Bernerside Observatory | 539 | 59.0 | 51.6 | 35.0 | 16.0 | 41.6 | 34.9 | 26.3 | 2.4 | 75.9 | 614 | 57.7 | 8 | 1.51 | | | | | | | | | | | | | | | | | | | | | | | |
| May | HALEFAX, Bernerside Observatory | 539 | 59.0 | 51.6 | 43.5 | 19.3 | 49.6 | 49.8 | 36.9 | 3.2 | 75.9 | 614 | 57.7 | 10 | 1.60 | | | | | | | | | | | | | | | | | | | | | | | |
| June | HALEFAX, Bernerside Observatory | 539 | 59.0 | 51.6 | 45.7 | 16.1 | 53.8 | 47.1 | 32.3 | 3.6 | 75.9 | 614 | 57.7 | 18 | 1.76 | | | | | | | | | | | | | | | | | | | | | | | |
| April | HULL (Yorkshire), The People's Park. | 6 | 59.0 | 51.6 | 34.2 | 17.4 | 45.5 | 35.3 | 26.7 | 2.4 | 75.9 | 614 | 57.7 | 5 | 1.04 | | | | | | | | | | | | | | | | | | | | | | | |
| May | M. E. FRANK. | 6 | 59.0 | 51.6 | 41.8 | 18.4 | 49.9 | 43.7 | 26.6 | 3.3 | 75.9 | 614 | 57.7 | 10 | 1.72 | | | | | | | | | | | | | | | | | | | | | | | |
| June | M. E. FRANK. | 6 | 59.0 | 51.6 | 47.7 | 18.7 | 56.5 | 49.0 | 34.8 | 3.9 | 75.9 | 614 | 57.7 | 13 | 2.33 | | | | | | | | | | | | | | | | | | | | | | | |
| April | BRADFORD (Yorkshire), The Philosophical | 304 | 59.0 | 51.6 | 49.4 | 18.0 | 42.9 | 35.4 | 26.7 | 2.4 | 75.9 | 614 | 57.7 | 4 | 0.87 | | | | | | | | | | | | | | | | | | | | | | | |
| May | J. McLANDERBROUGH, Esq., C.E. | 304 | 59.0 | 51.6 | 60.7 | 46.3 | 44.4 | 52.2 | 27.3 | 3.1 | 75.9 | 614 | 57.7 | 5 | 1.03 | | | | | | | | | | | | | | | | | | | | | | | |
| June | J. McLANDERBROUGH, Esq., C.E. | 304 | 59.0 | 51.6 | 62.9 | 41.5 | 57.9 | 55.4 | 33.6 | 3.8 | 75.9 | 614 | 57.7 | 13 | 1.86 | | | | | | | | | | | | | | | | | | | | | | | |
| April | LEEDS (Yorkshire), The Philosophical | 137 | 59.0 | 51.6 | 32.0 | 13.7 | 43.3 | 38.9 | 23.7 | 0.7 | 75.9 | 614 | 57.7 | 8 | 1.03 | | | | | | | | | | | | | | | | | | | | | | | |
| May | EDGAR R. WATTS, Esq. | 137 | 59.0 | 51.6 | 39.0 | 16.3 | 46.7 | 53.1 | 35.5 | 3.4 | 75.9 | 614 | 57.7 | 11 | 1.55 | | | | | | | | | | | | | | | | | | | | | | | |
| June | EDGAR R. WATTS, Esq. | 137 | 59.0 | 51.6 | 42.3 | 12.6 | 53.1 | 49.1 | 32.1 | 3.9 | 75.9 | 614 | 57.7 | 11 | 1.55 | | | | | | | | | | | | | | | | | | | | | | | |
| April | STONYPURBAT (Leicestershire), | 203 | 59.0 | 51.6 | 36.5 | 17.0 | 43.0 | 35.5 | 29.7 | 2.4 | 75.9 | 614 | 57.7 | 3 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | |
| May | REV. W. SIDGWAYS. | 203 | 59.0 | 51.6 | 44.8 | 17.8 | 52.0 | 40.8 | 25.5 | 2.9 | 75.9 | 614 | 57.7 | 6 | 1.54 | | | | | | | | | | | | | | | | | | | | | | | |
| June | F. R. MELLOR, Esq., F.R.S.A.S. | 203 | 59.0 | 51.6 | 48.1 | 16.0 | 54.2 | 49.1 | 34.8 | 4.0 | 75.9 | 614 | 57.7 | 15 | 2.47 | | | | | | | | | | | | | | | | | | | | | | | |
| April | CARLISLE, Spital (Cumberland), | 1114 | 59.0 | 51.6 | 39.6 | 15.4 | 45.7 | 43.1 | 27.9 | 3.2 | 75.9 | 614 | 57.7 | 12 | 1.38 | | | | | | | | | | | | | | | | | | | | | | | |
| May | ISAAC CARTMELL, Esq., F. R. Met. Soc. | 1114 | 59.0 | 51.6 | 47.2 | 17.2 | 55.6 | 50.6 | 36.9 | 4.1 | 75.9 | 614 | 57.7 | 5 | 1.72 | | | | | | | | | | | | | | | | | | | | | | | |
| June | ISAAC CARTMELL, Esq., F. R. Met. Soc. | 1114 | 59.0 | 51.6 | 51.4 | 14.1 | 57.1 | 52.1 | 32.0 | 4.3 | 75.9 | 614 | 57.7 | 8 | 2.62 | | | | | | | | | | | | | | | | | | | | | | | |

| Second Rain-gauges are placed— | | | | Total in Quarter. | |
|--------------------------------|------------------|---|-----------|-------------------|-----------|
| At the Cemetery, Eastbourne, | at the Height of | 4 feet above the ground ; 160 feet above the sea ; the amount collected was : | April. | May. | June. |
| " Healdy Road | " 1 foot | " 615 | 2.50 ins. | 2.10 ins. | 8.93 ins. |
| " " | " 2 feet | " 405 | 1.05 | 1.05 | 2.93 " |
| " Oxford | " 22 feet | " 254 | 3.10 | 2.09 | 7.67 " |
| " " | " 45 " | " 176 | 0.91 | 1.7 | 4.59 " |
| " Nottingham | " " | " " | 0.85 | 1.63 | 2.82 " |

Second Rain-gauges are placed—

Second Rain-gauges are placed—
At The Cemetery, Eastbourne, at the height of

| | | | |
|-------------|----|----|----|
| Beachy Head | 11 | 11 | 11 |
|-------------|----|----|----|

Oxford¹⁹

Nottingham

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of the Thermometer in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. |
|--------------------|---|-------------------------------------|------------------------------------|--|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | 29.576 | 72.9 | 32.1 | 40.8 | 57.8 | 47.0 | 32.0 | 10.8 | 51.3 | 48.1 | .339 | 3.8 | 0.5 | 89 | 536 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Truro | 29.589 | 77.0 | 29.0 | 48.0 | 62.1 | 46.6 | 37.7 | 15.9 | 53.8 | 49.2 | .283 | 3.2 | 1.5 | 67 | 538 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Plymouth | 29.586 | 74.2 | 33.0 | 43.2 | 61.7 | 43.1 | 31.8 | 13.6 | 52.6 | 47.9 | .287 | 3.2 | 1.5 | 67 | 538 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Forquay | 29.586 | 73.5 | 33.5 | 40.0 | 60.3 | 45.4 | 29.2 | 12.9 | 51.5 | 45.5 | .312 | 3.5 | 0.8 | 81 | 535 | 113.6 | 41.7 | 1.1 | 8 | 6 | 8 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Ventnor | 29.473 | 73.3 | 34.5 | 33.8 | 58.4 | 46.7 | 28.1 | 11.7 | 51.3 | 48.4 | .343 | 3.9 | 0.5 | 90 | 538 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Eastbourne | 29.527 | 73.1 | 32.8 | 40.3 | 53.2 | 46.5 | 29.4 | 11.7 | 51.2 | 45.4 | .307 | 3.5 | 0.8 | 81 | 540 | 117.3 | 43.4 | 0.8 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Osborne | 29.551 | 75.9 | 33.3 | 42.6 | 61.8 | 45.8 | 32.2 | 16.1 | 52.2 | 48.5 | .245 | 3.0 | 0.6 | 88 | 537 | 107.1 | 42.8 | 0.1 | 9 | 6 | 8 | 8 | 2.7 | 6.1 | 36 | 6.92 |
| Salisbury | 29.577 | 81.0 | 24.0 | 57.0 | 64.5 | 40.9 | 45.3 | 23.6 | 51.6 | 45.0 | .303 | 3.4 | 0.9 | 81 | 537 | 107.7 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Barnstaple | 29.570 | 79.0 | 29.0 | 50.0 | 60.2 | 44.7 | 35.0 | 13.3 | 53.3 | 47.3 | .329 | 3.7 | 0.8 | 83 | 544 | 111.5 | 43.7 | 1.1 | 5 | 6 | 8 | 12 | 3.1 | 6.4 | 42 | 8.44 |
| Bath | 29.570 | 75.1 | 27.4 | 47.2 | 58.8 | 43.3 | 36.4 | 15.5 | 50.1 | 44.9 | .303 | 3.4 | 0.7 | 83 | 531 | 114.5 | 37.3 | 1.1 | 8 | 6 | 6 | 10 | 2.8 | 6.4 | 41 | 8.47 |
| Whitechurch | 29.582 | 78.8 | 27.4 | 41.4 | 63.2 | 43.6 | 36.9 | 17.9 | 53.6 | 46.6 | .317 | 3.5 | 0.9 | 82 | 538 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Royal Observatory | 29.580 | 80.2 | 31.4 | 49.1 | 63.5 | 43.9 | 38.2 | 19.6 | 52.8 | 44.8 | .302 | 3.4 | 1.1 | 75 | 537 | 118.4 | 36.2 | 1.1 | 8 | 6 | 6 | 10 | 2.8 | 6.4 | 41 | 8.47 |
| Blackheath | 29.580 | 79.5 | 29.5 | 50.0 | 62.6 | 43.7 | 37.2 | 15.9 | 51.3 | 45.7 | .315 | 3.6 | 0.8 | 82 | 538 | 114.1 | 41.1 | 1.7 | 8 | 7 | 8 | 7 | 2.8 | 6.5 | 44 | 8.65 |
| Camden Square | 29.580 | 78.2 | 30.5 | 47.7 | 63.1 | 45.1 | 36.6 | 16.0 | 50.9 | 45.7 | .288 | 3.3 | 1.0 | 75 | 538 | 102.9 | 40.8 | 1.7 | 10 | 6 | 7 | 7 | 2.8 | 6.4 | 41 | 8.47 |
| Tottenham | 29.543 | 75.5 | 31.0 | 44.5 | 56.1 | 45.0 | 34.8 | 15.7 | 51.8 | 44.6 | .300 | 3.7 | 1.0 | 76 | 540 | 120.2 | 43.3 | 1.0 | 8 | 7 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Barnet | 29.604 | 77.2 | 23.6 | 53.8 | 62.2 | 47.0 | 41.9 | 21.7 | 50.9 | 45.3 | .310 | 3.5 | 0.8 | 81 | 539 | 122.2 | 37.7 | 0.5 | 6 | 8 | 8 | 11 | 2.6 | 6.0 | 40 | 8.06 |
| Oxford | 29.584 | 76.2 | 27.7 | 48.5 | 60.7 | 43.8 | 38.0 | 17.1 | 52.3 | 45.5 | .303 | 3.5 | 1.0 | 77 | 556 | 107.4 | 38.2 | 2.4 | 7 | 7 | 8 | 9 | 3.7 | 6.6 | 37 | 4.96 |
| Royston | 29.515 | 78.9 | 26.2 | 52.7 | 61.8 | 43.4 | 40.4 | 20.4 | 51.4 | 45.3 | .307 | 3.5 | 0.9 | 79 | 537 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Hereford | 29.652 | 80.4 | 33.0 | 47.4 | 60.0 | 42.9 | 42.3 | 18.9 | 50.6 | 44.0 | .292 | 3.3 | 0.9 | 78 | 537 | 117.6 | 32.1 | 1.2 | 9 | 6 | 7 | 8 | 3.0 | 6.0 | 42 | 8.00 |
| Cambridge | 29.531 | 78.7 | 24.5 | 54.4 | 64.1 | 42.9 | 43.1 | 21.9 | 52.4 | 47.2 | .281 | 3.7 | 0.8 | 83 | 559 | 135.1 | 41.1 | 1.5 | 7 | 8 | 8 | 8 | 3.0 | 5.9 | 38 | 3.86 |
| Somerleyton | 29.585 | 77.0 | 29.9 | 47.1 | 58.7 | 43.6 | 38.1 | 15.4 | 49.7 | 44.0 | .296 | 3.5 | 0.7 | 80 | 537 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Wolverhampton | 29.644 | 74.6 | 26.8 | 48.5 | 59.3 | 41.9 | 33.5 | 17.4 | 49.7 | 44.2 | .278 | 3.2 | 0.9 | 78 | 535 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Nottingham | 29.502 | 73.0 | 32.3 | 40.9 | 59.9 | 43.6 | 29.7 | 16.2 | 50.8 | 44.8 | .280 | 3.0 | 1.3 | 69 | 537 | 106.0 | 39.7 | 0.4 | 7 | 6 | 7 | 11 | 0.2 | 6.1 | 35 | 3.60 |
| Llandudno | 29.584 | 74.0 | 32.0 | 42.0 | 57.7 | 43.1 | 29.7 | 11.6 | 51.1 | 45.7 | .271 | 3.2 | 1.1 | 73 | 540 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Liverpool | 29.692 | 74.4 | 35.4 | 39.9 | 58.5 | 46.1 | 26.7 | 12.4 | 50.7 | 43.5 | .286 | 3.3 | 1.0 | 76 | 538 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Halifax | 29.618 | 73.7 | 38.0 | 45.7 | 63.1 | 41.0 | 37.4 | 17.4 | 48.7 | 41.6 | .263 | 3.1 | 0.8 | 77 | 533 | 95.7 | 38.2 | 0.7 | 10 | 7 | 10 | 10 | 0.1 | 6.0 | 41 | 8.17 |
| Hull | 29.597 | 75.0 | 25.0 | 30.0 | 59.4 | 41.2 | 37.3 | 18.2 | 50.3 | 42.7 | .289 | 3.2 | 1.0 | 75 | 545 | 105.5 | 39.3 | 1.1 | 7 | 6 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Bradford | 29.695 | 70.8 | 32.9 | 38.6 | 57.6 | 45.1 | 29.2 | 12.5 | 50.9 | 42.3 | .273 | 3.1 | 1.1 | 74 | 535 | 92.2 | 38.2 | 0.8 | 8 | 6 | 6 | 8 | 3.0 | 6.4 | 43 | 8.40 |
| Leeds | 29.599 | 76.0 | 32.0 | 44.0 | 59.9 | 45.1 | 35.3 | 14.9 | 50.8 | 44.8 | .296 | 3.3 | 1.0 | 79 | 539 | 110.6 | 41.5 | 0.9 | 7 | 7 | 7 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Stonhurst | 29.592 | 73.0 | 47.7 | 45.3 | 59.8 | 42.9 | 37.8 | 16.9 | 49.7 | 41.5 | .270 | 3.1 | 1.0 | 74 | 549 | 108.9 | 39.1 | 0.8 | 8 | 7 | 4 | 11 | 0.1 | 6.9 | 51 | 8.57 |
| Carlisle | 29.483 | 76.2 | 28.2 | 48.0 | 61.3 | 45.7 | 35.7 | 15.6 | 53.1 | 48.6 | .346 | 3.9 | 0.7 | 85 | 536 | 96.7 | 39.5 | 1.0 | 6 | 9 | 5 | 10 | 1.7 | 6.3 | 48 | 8.10 |

The highest temperatures of the air were at Salisbury, 81°; at Hereford, 80°; and at the Royal Observatory, 80°.

The lowest temperatures of the air were at Hereford, 23°; at Nottingham, 23°; and at Salisbury, 24°.

The greatest ranges of temperature were at Hereford, 57°; at Salisbury, 57°; and at Cambridge, 54°.

The least ranges of temperature were at Bradford, 35°; at Ventnor, 35°; and at Liverpool, 39°.

The greatest number of days of rain were at Truro, 61; at Guernsey, 55; and at Stonhurst, 51.

The least number of days of rain were at Wolverhampton, 32; at Leeds, 33; and at Nottingham, 35.

The greatest falls of rain were at Truro, 13.24 inches; at Bath, 8.80 inches; and at Stonhurst, 8.57 inches.

The least falls of rain were at Nottingham, 3.05 inches; at Cambridge, 3.86 inches; and at Wolverhampton, 4.08 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | RAIN. Mean Amount col- lected. | | |
|--|-----|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|-----|----|----|-----------------------|-----------------------|----------------------------|--|----|------|
| | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - | - | in. | 29.576 | 72.9 | 32.1 | 40.8 | 57.8 | 47.0 | 32.0 | 10.8 | 51.3 | 48.1 | .339 | 3.8 | 0.5 | 89 | 536 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| Between the latitudes | 30° | and 50° | - | 29.553 | 75.2 | 32.7 | 42.5 | 60.7 | 46.7 | 31.8 | 14.0 | 52.5 | 46.6 | .322 | 3.7 | 0.9 | 81 | 537 | 107.4 | 43.0 | 1.2 | 8 | 7 | 7 | 9 | 3.5 | 5.8 | 55 | 8.61 |
| | 51° | and 52° | - | 29.585 | 78.4 | 28.2 | 50.2 | 62.4 | 43.7 | 38.7 | 18.6 | 52.0 | 45.3 | .308 | 3.5 | 1.0 | 79 | 538 | 112.1 | 39.3 | 1.3 | 7 | 7 | 7 | 9 | 3.0 | 5.8 | 43 | 5.98 |
| | 53° | and 53° | - | 29.586 | 77.1 | 32.5 | 45.1 | 61.2 | 42.2 | 30.0 | 13.8 | 50.7 | 44.9 | .324 | 3.3 | 0.9 | 77 | 538 | 110.6 | 41.5 | 0.9 | 7 | 7 | 7 | 9 | 3.0 | 5.8 | 43 | 4.14 |
| | 54° | and 54° | - | 29.585 | 74.0 | 32.0 | 44.5 | 58.5 | 44.1 | 32.6 | 14.4 | 50.8 | 44.9 | .329 | 3.2 | 1.0 | 76 | 538 | 107.8 | 42.8 | 0.9 | 7 | 7 | 7 | 10 | 2.5 | 6.2 | 43 | 6.28 |
| | 55° | and 55° | - | 29.538 | 74.6 | 32.0 | 44.6 | 60.6 | 44.3 | 33.5 | 13.8 | 51.4 | 45.2 | .308 | 3.5 | 0.9 | 80 | 543 | 102.8 | 42.3 | 0.7 | 7 | 8 | 6 | 11 | 1.7 | 6.6 | 50 | 8.34 |
| Mean for the Quarter, 50° to 55° | | | Year 1887 | 29.579 | 73.1 | 32.1 | 40.8 | 57.8 | 47.0 | 32.0 | 10.8 | 51.3 | 48.1 | .339 | 3.8 | 0.5 | 89 | 536 | 110.6 | 41.5 | 0.9 | 7 | 8 | 6 | 9 | 3.5 | 5.8 | 55 | 7.97 |
| | | | " 1888 | 29.582 | 81.3 | 32.6 | 25.1 | 59.1 | 42.3 | 33.9 | 16.7 | 49.4 | 44.8 | .328 | 3.2 | 0.9 | 79 | 542 | 107.6 | 43.6 | 1.4 | 9 | 7 | 6 | 8 | 2.4 | 5.8 | 28 | 4.01 |
| | | | " 1889 | 29.593 | 80.8 | 33.2 | 14.8 | 76.2 | 45.5 | 34.4 | 16.5 | 52.4 | 46.9 | .327 | 3.2 | 0.8 | 78 | 541 | 102.9 | 43.8 | 1.0 | 9 | 7 | 7 | 9 | 2.4 | 5.9 | 39 | 5.15 |
| | | | " 1890 | 29.572 | 75.9 | 29.0 | 46.9 | 60.7 | 44.8 | 35.8 | 16.3 | 51.4 | 44.8 | .302 | 3.4 | 0.9 | 79 | 559 | 103.9 | 42.8 | 0.9 | 8 | 7 | 7 | 10 | 3.3 | 6.2 | 43 | 6.53 |

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING SEPTEMBER 30, 1890.

The mean low night temperature of the air for July was $51^{\circ}6$, being $1^{\circ}5$ below the average of 49 years; it was $1^{\circ}7$ lower than in 1889, $0^{\circ}1$ higher than in 1888, and $2^{\circ}5$ lower than in 1887.

The mean low night temperature of the air for August was $51^{\circ}2$, being $1^{\circ}8$ below the average of 49 years; it was $0^{\circ}4$ lower than in 1889, $0^{\circ}3$ higher than in 1888, and $0^{\circ}5$ lower than in 1887; and there were only 6 instances of as low or lower temperature back to the year 1841, viz.:—

| | | |
|---------------------------|---------------------------|---------------------------|
| 1888 it was $50^{\circ}9$ | 1864 it was $48^{\circ}5$ | 1845 it was $50^{\circ}5$ |
| 1885 „ $49^{\circ}8$ | 1848 „ $50^{\circ}4$ | 1844 „ $50^{\circ}3$ |

The mean low night temperature of the air for September was $50^{\circ}4$, being $1^{\circ}3$ above the average of 49 years; it was $2^{\circ}3$, $2^{\circ}1$, and $3^{\circ}5$ higher than in 1889, 1888, and 1887 respectively.

The mean daily range of temperature for July was $18^{\circ}8$, being $2^{\circ}2$ smaller than the average; in August it was $19^{\circ}5$, being $0^{\circ}4$ smaller than the average; and in September it was $20^{\circ}8$, being $2^{\circ}7$ larger than the average.

| 1890. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|----------------|---------------------------------|--------------|---------------------------------|------------|---------------------------------|------------------|---------------------------------|--------------------------|---------------------------------|--|---------------------------------|
| | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. |
| | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | | | | |
| | ° | | ° | | ° | | ° | | in. | | grs. | |
| July | 59.5 | -2.2 | 59.1 | -1.8 | 58.1 | -1.0 | 18.8 | -2.2 | .404 | -.013 | 4.5 | -0.3 |
| Aug. | 59.3 | -1.6 | 58.9 | -1.5 | 58.8 | -1.2 | 19.5 | -0.4 | .400 | -.017 | 4.5 | -0.3 |
| Sept. | 59.5 | +3.0 | 59.3 | +1.4 | 58.2 | +2.1 | 20.8 | +2.7 | .406 | +.028 | 4.6 | +0.3 |
| Means | 59.4 | -0.3 | 58.8 | -0.6 | 58.0 | 0.0 | 19.7 | 0.0 | .403 | -.001 | 4.5 | -0.1 |

| 1890. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | | Reading of Thermometer on Grass. | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|-------|----------------------------------|----------------------|--------------------------|---------------------------|
| | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Mean. | Diff. from average of 49 years. | Amount. | Diff. from average of 75 years. | Miles. | | Number of Nights it was | | Lowest Reading at Night. | Highest Reading at Night. |
| | ° | | in. | | grs. | | in. | | | | At or below 30°. | Between 30° and 40°. | ° | ° |
| | | | | | | | | | | | | | | |
| July | 80 | +5 | 29.735 | -.069 | 529 | +1 | 4.50 | +1.96 | 281 | 0 | 3 | 28 | 84.3 | 58.5 |
| Aug. | 79 | +3 | 29.715 | -.069 | 519 | 0 | 2.54 | +0.18 | 246 | 0 | 4 | 27 | 83.2 | 55.4 |
| Sept. | 80 | -1 | 29.979 | +1.77 | 534 | +1 | 0.65 | -1.75 | 205 | 0 | 4 | 26 | 81.5 | 53.0 |
| Means | 80 | +2 | 29.810 | +0.016 | 531 | +1 | Sum 7.69 | Sum +0.39 | Mean 244 | Sum 0 | Sum 11 | Sum 81 | Lowest 81.5 | Highest 58.5 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|--------------------|-------|----------|-------------------------|---------|----------|-------------------------|------------|----------|-------------------------|
| | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 8 | 3 | +5 | 4 | 3 | +1 | 1 | 4 | -3 |
| N. | 1 | 4 | -3 | 2 | 3 | -1 | 4 | 6 | -2 |
| N.E. | 2 | 3½ | -1½ | 6 | 3 | +3 | 4 | 2 | +2 |
| E. | 0 | 2 | -2 | 1 | 1½ | -½ | 3 | 2 | +1 |
| S.E. | 1 | 1½ | -½ | 1 | 1½ | -½ | 5 | 3 | +2 |
| S. | 3 | 3 | 0 | 1 | 3 | -2 | 2 | 8 | -6 |
| S.W. | 12 | 10 | +2 | 14 | 12 | +2 | 10 | 3 | +7 |
| W. | 4 | 4 | 0 | 2 | 4½ | -2½ | 1 | 2 | -1 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in July are opposite to N.W. and S.W.; in August to N.E., S.W., and N.W.; and in September to S.W., S.E., and N.E.

The sign (-) denotes deficiencies below averages. In July this sign is opposite to N., E., and N.E., in August to W., S., and N.; and in September to S., N.W., and N.

The mean temperature in July was $1^{\circ}4$ warmer than in June; in August it was $0^{\circ}2$ colder than in July; and in September it was $0^{\circ}2$ warmer than in August.

(From the preceding 49 years' observations the increase from June to July is $3^{\circ}3$, the decrease from July to August is $0^{\circ}8$, and the decrease from August to September is $4^{\circ}4$.)

From June to July there was an increase at all stations; at those south of 52° of $1^{\circ}6$; between 52° and 53° of $1^{\circ}0$; and at stations north of this parallel of $1^{\circ}7$.

From July to August there was an increase of $1^{\circ}3$ at stations south of 51° ; between 51° and 53° of $0^{\circ}2$; and at stations north of this parallel there was a decrease of $0^{\circ}7$.

From August to September there was an increase of $0^{\circ}1$ at stations south of 52° ; between 52° and 53° there was an increase of $1^{\circ}2$, and at stations north of this parallel there was an increase of $2^{\circ}0$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of July was 29.735 ins., being $0^{\circ}59$ in. below the average of 49 years. It was $0^{\circ}24$ in. lower than in 1889, $0^{\circ}135$ in. higher than in 1888, and $0^{\circ}131$ in. lower than in 1887.

The mean reading of the barometer for August was 29.715 ins., being $0^{\circ}69$ in. below the average of 49 years. It was $0^{\circ}005$ in. higher than in 1889, $0^{\circ}117$ in. and $0^{\circ}092$ in. lower than in 1888 and 1887 respectively; and there were only 9 instances of as low or lower reading back to the year 1841, viz.:—

| | | |
|-------------------------|-------------------------|-------------------------|
| 1889 it was 29.710 ins. | 1878 it was 29.586 ins. | 1865 it was 29.712 ins. |
| 1881 „ 29.676 „ | 1877 „ 29.701 „ | 1852 „ 29.649 „ |
| 1879 „ 29.672 „ | 1866 „ 29.637 „ | 1844 „ 29.677 „ |

The mean reading of the barometer for September was 29.979 ins., being $0^{\circ}177$ in. above the average of 49 years. It was $0^{\circ}114$ in., $0^{\circ}011$ in., and $0^{\circ}220$ in. higher than in 1889, 1888, and 1887 respectively, and there were only 4 instances of as high or higher reading back to the year 1841, viz.:—

| | |
|-------------------------|-------------------------|
| 1865 it was 30.071 ins. | 1851 it was 30.025 ins. |
| 1854 „ 30.031 „ | 1843 „ 30.017 „ |

From June to July there was a decrease of atmospheric pressure of about $0^{\circ}08$ in. at all stations.

From July to August there was a decrease of about $0^{\circ}01$ in. at all stations.

From August to September there was an increase at stations south of 51° of $0^{\circ}22$ in. between 51° and 53° of $0^{\circ}26$ in., and at stations north of this parallel of $0^{\circ}23$ in.

About London the atmospheric pressure was below its average till July 19th, the mean daily deficiency being $0^{\circ}18$ in.; from July 20th to August 9th it was above, the mean daily excess being $0^{\circ}12$ in.; from August 10th to the 29th it was generally below, the mean daily deficiency being $0^{\circ}21$ in.; from August 30th to September 15th it was above, the mean daily excess for these 17 days being $0^{\circ}19$ in.; from September 16th to the 22nd it was below, the mean daily deficiency being $0^{\circ}15$ in.; and from the 23rd to the end of the month it was above, the mean daily excess being $0^{\circ}29$ in.

Thunderstorms occurred in July on the 1st at Royston; on the 2nd at Salisbury and Hereford; and on the 17th at Ventnor, Osborne, Salisbury, Bath, Whitechurch, Blackheath, and Royal Observatory.

In August on the 2nd at Salisbury; on the 9th at Truro, Plymouth, Torquay, and Salisbury; on the 10th at Eastbourne, Osborne, Blackheath, Royal Observatory, Llandudno, and Liverpool; on the 11th at Rugby, Lowestoft, Somerleyton, and Hull; on the 16th at Liverpool and Stonyhurst; on the 17th at Osborne; on the 18th at Eastbourne; on the 19th at Blackheath and Royal Observatory; on the 20th at Hull; on the 25th at Blackheath and Royal Observatory; on the 26th at Liverpool, Halifax, and Stonyhurst; on the 27th at Oxford, Hereford, and Hull; on the 28th at Salisbury and Hereford; on the 29th at Eastbourne, Lowestoft, and Hull; and on the 30th at Llandudno.

In September on the 17th at Eastbourne, Blackheath, Royal Observatory, and Stonyhurst; on the 20th at Salisbury, Oxford, and Leeds; and on the 23rd at Blackheath and Royal Observatory.

Thunder was heard but lightning was not seen in July on the 1st at Cambridge; on the 2nd at Royston and Cambridge; on the 3rd at Carlisle; on the 16th at Guernsey; and on the 17th at Guernsey, Plymouth, Torquay, Oxford, and Somerleyton.

In August on the 1st at Royston, Lowestoft, and Wolverhampton; on the 2nd at Osborne and Cambridge; on the 9th at Guernsey; on the 10th at Somerleyton; on the 11th at Blackheath, Royal Observatory, Royston, and Carlisle; on the 12th and 13th at Carlisle; on the 14th at Leeds; on the 16th at Hull; on the 18th at Guernsey; on the 19th at Eastbourne and Salisbury; on the 23rd at Guernsey; on the 24th at Osborne, Somerleyton, Halifax, and Hull; on the 26th at Leeds; on the 27th at Royston and Cambridge; on the 28th at Eastbourne; and on the 29th at Somerleyton, Halifax, Leeds, and Carlisle.

In September on the 18th at Stonyhurst; and on the 23rd at Royston.

Lightning was seen but thunder was not heard in July on the 3rd at Stonyhurst; and on the 9th at Bath.

In August on the 1st at Lowestoft; on the 9th at Osborne; on the 13th at Hull and Stonyhurst; on the 15th at Liverpool and Stonyhurst; on the 17th at Eastbourne; on the 18th at

Oxford; on the 24th at Torquay, Eastbourne, Osborne, Oxford, and Stonyhurst; on the 28th at Blackheath and Royal Observatory; on the 29th at Leeds; and on the 30th at Liverpool, Hull, and Stonyhurst.

In September on the 17th at Halifax and Stonyhurst; and on the 18th at Torquay, Lowestoft, and Stonyhurst.

Solar halos were seen in July on the 1st at Oxford; on the 3rd and 6th at Torquay; on the 7th at Oxford; on the 10th at Torquay, Bath, Oxford, Liverpool, and Halifax; on the 12th at Torquay and Oxford; on the 14th at Halifax; on the 16th at Liverpool; on the 19th at Torquay; on the 20th at Torquay, Liverpool, and Halifax; on the 21st at Torquay and Halifax; on the 28th and 29th at Torquay; and on the 31st at Liverpool.

In August on the 6th at Oxford; on the 9th and 23rd at Torquay; on the 24th at Halifax; and on the 28th at Liverpool.

In September on the 1st at Torquay and Oxford; on the 9th at Torquay and Halifax; on the 10th at Oxford and Liverpool; on the 18th and 19th at Torquay; on the 19th at Oxford; on the 21st at Halifax; and on the 25th at Torquay and Liverpool.

Lunar halos were seen in August on the 30th at Oxford.

In September on the 3rd at Oxford; on the 23rd at Liverpool; on the 25th at Oxford; and on the 26th at Torquay and Oxford.

Hail fell in July on the 3rd at Stonyhurst.

In August on the 15th at Halifax and Carlisle; on the 16th at Liverpool and Stonyhurst; on the 19th at Torquay; on the 23rd at Carlisle; on the 24th at Stonyhurst and Carlisle; on the 26th at Halifax, Hull, and Stonyhurst; on the 27th at Truro, Torquay, and Oxford; and on the 29th at Plymouth and Hull.

Fog prevailed in July on the 2nd and 5th at Bath; on the 12th at Torquay; on the 13th at Plymouth; on the 14th and 17th at Torquay; on the 22nd at Guernsey; and on the 30th and 31st at Plymouth.

In August on the 1st at Guernsey and Torquay; on the 5th and 6th at Guernsey and Plymouth; on the 7th at Guernsey; on the 10th at Torquay and Royston; and on the 20th at Stonyhurst.

In September on the 1st at Plymouth and Bath; on the 4th at Guernsey; on the 5th at Oxford; on the 6th at Guernsey, Royston, and Wolverhampton; on the 7th at Guernsey, Torquay, Hereford, and Cambridge; on the 10th at Guernsey, Torquay, Bath, and Cambridge; on the 11th at Guernsey; on the 12th at Hereford; on the 13th at Bath, Oxford, Royston, Cambridge, Wolverhampton, and Leeds; on the 14th at Cambridge and Leeds; on the 15th at Torquay, Bath, Cambridge, and Wolverhampton; on the 16th at Torquay, Hereford, and Wolverhampton; on the 17th at Guernsey, Torquay, and Bath; on the 18th at Plymouth; on the 19th at Leeds; on the 26th at Bath; on the 27th at Guernsey, Torquay, Bath, and Oxford; and on the 28th at Plymouth and Torquay.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING SEPTEMBER 30TH, 1890.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1890. | Month. | Height of Station above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Dew Point. | | Mean Relative Humidity. | | Mean Rainfall. | | Mean Wind. | | Mean Cloud. | | Mean Rain. | |
|------------|--------|------------------------------------|--|----------------------------------|--------|--------|--------|------------------------------|------|--------|------|-------------------|------|---------|------|-----------------|------|-------------------------|------|----------------|------|------------|------|-------------|------|------------|------|
| | | | | Mean. | | Range. | | Mean. | | Range. | | Mean. | | Mean. | | Mean. | | Mean. | | Mean. | | Mean. | | Mean. | | Mean. | |
| | | | | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. | In. | Out. |
| July | 29 | 275 | GUERNSEY, ADOLPHUS COLLETT, Esq., F. R. Met. Soc. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 275 | GUERNSEY, ADOLPHUS COLLETT, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 275 | GUERNSEY, ADOLPHUS COLLETT, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 43 | TRURO (Cornwall), N. WHITLEY, Esq., F. R. Met. Soc. | 29.589 | 29.589 | 29.589 | 29.589 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 43 | TRURO (Cornwall), N. WHITLEY, Esq., F. R. Met. Soc. | 29.589 | 29.589 | 29.589 | 29.589 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 43 | TRURO (Cornwall), N. WHITLEY, Esq., F. R. Met. Soc. | 29.589 | 29.589 | 29.589 | 29.589 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 69 | PLYMOUTH (Devon), J. MERRIFIELD, Esq., F. R. Met. Soc. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 69 | PLYMOUTH (Devon), J. MERRIFIELD, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 69 | PLYMOUTH (Devon), J. MERRIFIELD, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 905 | TORQUAY (Devon), EDWIN E. GAYLOR, Esq., F. R. Met. Soc. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 905 | TORQUAY (Devon), EDWIN E. GAYLOR, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 905 | TORQUAY (Devon), EDWIN E. GAYLOR, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 80 | VENTNOR (Isle of Wight), NATHAN HOSKINS, Esq., F. R. Met. Soc. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 80 | VENTNOR (Isle of Wight), NATHAN HOSKINS, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 80 | VENTNOR (Isle of Wight), NATHAN HOSKINS, Esq., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 12 | EASTBOURNE, MISS W. L. HALL. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 12 | EASTBOURNE, MISS W. L. HALL. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 12 | EASTBOURNE, MISS W. L. HALL. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 175 | OSBORNE (Isle of Wight), J. R. MANS, Esq. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 175 | OSBORNE (Isle of Wight), J. R. MANS, Esq. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 175 | OSBORNE (Isle of Wight), J. R. MANS, Esq. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 158 | SALISBURY (Wiltshire), THOMAS CHALLIS, Esq. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 158 | SALISBURY (Wiltshire), THOMAS CHALLIS, Esq. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 158 | SALISBURY (Wiltshire), THOMAS CHALLIS, Esq. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 43 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 43 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 43 | BARNSTAPLE (Devon), WILLIAM KNILL, Esq. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 386 | BATH (Somerset), ST. GREGORY'S College, Downside. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 386 | BATH (Somerset), ST. GREGORY'S College, Downside. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 386 | BATH (Somerset), ST. GREGORY'S College, Downside. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 150 | WHITCHURCH RECTORY (Oxon), REV. J. SLATTERY, M.A., F. R. Met. Soc. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 150 | WHITCHURCH RECTORY (Oxon), REV. J. SLATTERY, M.A., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 150 | WHITCHURCH RECTORY (Oxon), REV. J. SLATTERY, M.A., F. R. Met. Soc. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| July | 29 | 150 | ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 29.601 | 29.588 | 29.588 | 29.588 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug. | 29 | 150 | ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sept. | 29 | 150 | ROYAL OBSERVATORY, Greenwich, W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 29.587 | 29.574 | 29.574 | 29.574 | 70.6 | 70.6 | 47.4 | 70.6 | 63.4 | 63.4 | 10.1 | 10.1 | 55.9 | 55.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| NAME OF STATION AND OBSERVER. | Height of Station Above Sea Level. | Year 1890. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | |
|--|------------------------------------|-----------------------|----------------------------|-------------------------|----------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------------|-------------------|-------------------|-------------------------------|-----------------------|-----------------|----------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Highest. | Lowest. | Mean. | All Highest. | All Lowest. | Mean. | Range. | Direction. | Relative Proportion of Cloud. | Mean Amount of Cloud. | Number of Days. | Amount. |
| | | | | | | | | | | | | | | | | | | | |
| BLACKHEATH (Kent), JAMES GLAUBER, Esq., F.R.S. | 100 | July Aug. Sept. | 29.718 29.700 29.683 | 0.856 0.834 0.811 | 75.0 75.2 75.2 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| CAMDEN SQUARE (London), G. J. SYMONS, Esq., F.R.S., F. R. Met. Soc. | 123 | July Aug. Sept. | 29.788 29.770 29.753 | 0.838 0.820 0.803 | 76.2 75.2 75.2 | 42.4 39.0 36.8 | 38.8 38.4 38.4 | 69.3 69.3 69.3 | 51.0 51.0 51.0 | 16.7 17.2 17.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| TOTTENHAM, J. E. WORTH, Esq., C.E., F. R. Met. Soc. | 47 | July Aug. Sept. | 29.702 29.683 29.666 | 0.861 0.844 0.827 | 77.5 76.0 75.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| BARNET (Gas Works), T. H. MARTIN, Esq., C.E. | 212 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| OXFORD (The Observatory), E. J. STONE, Esq., M.A., F.R.S. | 213 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| ROYSTON (Hertfordshire), H. W. KILPATRICK, Esq., F.R.A.S., F. R. Met. Soc. | 201 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| HEREFORD (St. Michael's Priory), V. REV. CANON J. A. HOWLETT, M.A. | 201 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| CAMBRIDGE (Trinity College), J. W. L. GLAUBER, Esq., M.A., F. R. S. | 40 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| RUGBY (Warwickshire), Stockton, The Rectory, Rev. W. TUCKWELL. | 200 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| LOWESTOFT (Suffolk), H. MILLER, Esq., F.R.A.S., F. R. Met. Soc. | 89 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| SOMERLEYTON (Suffolk), The Rectory, C. J. STEWARD, F.R. Met. Soc. | 50 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| WOLVERHAMPTON (Staffordshire), Wrottesley, E. SIMPSON, Esq. | 200 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| NOTTINGHAM (Notts), Arthur White, Esq., C.E. and E. A. BROWN, Esq., M.D. | 215 | July Aug. Sept. | 29.656 29.637 29.619 | 0.856 0.839 0.822 | 75.0 73.5 72.0 | 37.0 34.0 31.0 | 40.5 38.7 36.8 | 69.4 69.4 69.4 | 51.0 51.0 51.0 | 18.1 18.1 18.1 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |

| NAME OF STATION AND OBSERVER. | Height of Station Above Sea Level. | Year 1890. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Rain. | |
|---|------------------------------------|-----------------------|----------------------------|-------------------------|----------------------|------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------------|-------------------|-------------------|-------------------------------|-----------------------|-----------------|----------------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Highest. | Lowest. | Mean. | All Highest. | All Lowest. | Mean. | Range. | Direction. | Relative Proportion of Cloud. | Mean Amount of Cloud. | Number of Days. | Amount. |
| | | | | | | | | | | | | | | | | | | | |
| LLANDUDNO (Carnarvonshire), JAMES NICOL, Esq., M.D. | 100 | July Aug. Sept. | 29.772 29.754 29.737 | 0.850 0.832 0.815 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 197 | July Aug. Sept. | 29.689 29.671 29.654 | 0.854 0.836 0.819 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| HALIFAX, Bernerside Observatory (Yorkshire), E. CHORLEY, Esq., F.R.A.S. | 539 | July Aug. Sept. | 29.731 29.713 29.696 | 0.859 0.841 0.824 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| HULL (Yorkshire), The People's Park, M. E. PEAK. | 6 | July Aug. Sept. | 29.731 29.713 29.696 | 0.859 0.841 0.824 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| BRADFORD (Yorkshire), J. McLEOD, Esq., C.E., F.R.O.S. | 364 | July Aug. Sept. | 29.731 29.713 29.696 | 0.859 0.841 0.824 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| LEEDS (Yorkshire), The Philosophical Hall, EDGAR R. WATTS, Esq. | 137 | July Aug. Sept. | 29.731 29.713 29.696 | 0.859 0.841 0.824 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| STONYHURST (Lancashire), Rev. W. SIDGEMAN, F.R. Met. Soc., F.R.A.S. | 563 | July Aug. Sept. | 29.731 29.713 29.696 | 0.859 0.841 0.824 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |
| CARLISLE, Spital (Cumberland), JAMES CARTMEL, Esq., F.R. Met. Soc. | 114 | July Aug. Sept. | 29.731 29.713 29.696 | 0.859 0.841 0.824 | 75.0 73.5 72.0 | 41.8 39.0 36.8 | 38.7 38.4 38.4 | 69.0 69.3 69.3 | 51.0 51.0 51.0 | 17.2 18.2 18.2 | 51.0 51.0 51.0 | 51.0 51.0 51.0 | 77.0 77.0 77.0 | 1.3 1.3 1.3 | 2.0 1.5 1.5 | 9 8 8 | 6.3 5.1 5.3 | 17 18 18 | 4.62 2.59 0.70 |

Total in Quarter.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

Total in Quarter.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

Total in Quarter.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

Total in Quarter.

September.

August.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------------|------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | 29.616 | 73.3 | 44.4 | 28.9 | 64.5 | 53.9 | 25.9 | 10.6 | 57.9 | 54.2 | .420 | 4.7 | 0.7 | 87 | 531 | 116.5 | 47.3 | 0.9 | 6 | 5 | 6 | 13 | 2.6 | 5.4 | 46 | 7.51 | |
| Truro | 29.629 | 75.0 | 46.0 | 29.0 | 67.6 | 51.3 | 25.3 | 16.0 | 59.5 | 49.8 | .350 | 4.1 | 1.6 | 70 | 534 | — | — | 1.6 | 9 | 6 | 7 | 9 | — | 5.3 | 46 | 10.09 | |
| Plymouth | 29.618 | 75.3 | 42.0 | 33.3 | 57.2 | 54.1 | 30.9 | 13.1 | 59.3 | 52.8 | .329 | 4.5 | 1.2 | 79 | 534 | 120.4 | 51.5 | 1.3 | 9 | 4 | 8 | 10 | — | 6.9 | 40 | 8.94 | |
| Torquay | 29.611 | 75.7 | 41.2 | 34.6 | 55.8 | 52.3 | 30.3 | 13.5 | 58.2 | 52.7 | .309 | 4.3 | 1.1 | 81 | 530 | 120.7 | 47.3 | 1.2 | 6 | 5 | 7 | 12 | 4.4 | 6.0 | 48 | 6.42 | |
| Ventnor | 29.614 | 73.3 | 45.5 | 24.0 | 65.7 | 54.2 | 24.6 | 11.5 | 59.0 | 54.7 | .425 | 4.7 | 0.8 | 86 | 532 | — | — | 0.8 | 5 | 4 | 9 | 13 | — | 5.0 | 36 | 7.04 | |
| Eastbourne | 29.593 | 74.4 | 38.0 | 33.4 | 57.1 | 52.4 | 27.0 | 15.2 | 57.0 | 53.5 | .392 | 4.4 | 1.2 | 78 | 534 | 124.9 | 52.8 | 0.3 | 8 | 5 | 7 | 11 | 1.8 | 5.9 | 39 | 8.01 | |
| Osborne | 29.576 | 79.1 | 42.7 | 33.4 | 58.6 | 54.9 | 34.8 | 13.6 | 59.7 | 55.0 | .432 | 4.8 | 0.9 | 85 | 530 | 111.4 | 50.4 | 0.3 | 6 | 4 | 7 | 13 | — | 5.6 | 32 | 7.94 | |
| Salisbury | 29.563 | 80.0 | 32.0 | 48.0 | 70.9 | 47.4 | 41.7 | 23.3 | 58.3 | 53.7 | .416 | 4.6 | 0.9 | 83 | 538 | 111.0 | — | 1.2 | 7 | 3 | 8 | 12 | — | 6.3 | 47 | 7.86 | |
| Barnstaple | 29.570 | 77.0 | 37.5 | 39.6 | 65.0 | 52.8 | 34.0 | 12.5 | 58.1 | 52.4 | .394 | 4.4 | 1.0 | 81 | 536 | — | — | 1.1 | 5 | 4 | 9 | 13 | — | 3.0 | 36 | 6.20 | |
| Whitechurch | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.6 | 5.53 | |
| Royal Observatory | 29.578 | 82.8 | 37.1 | 45.7 | 70.8 | 51.1 | 49.2 | 19.7 | 59.4 | 53.0 | .403 | 4.5 | 1.2 | 80 | 531 | 122.6 | 45.0 | — | — | — | — | — | 0.7 | 6.3 | 39 | 7.69 | |
| Blackheath | 29.579 | 80.6 | 35.4 | 43.9 | 69.1 | 50.5 | 38.4 | 18.0 | 58.1 | 51.3 | .386 | 4.2 | 1.2 | 79 | 537 | 116.5 | — | 1.7 | 7 | 5 | 9 | 10 | — | 5.6 | 38 | 7.81 | |
| Camden Square | 29.604 | 79.7 | 37.8 | 41.9 | 68.8 | 53.1 | 37.1 | 17.6 | 59.4 | 52.1 | .390 | 4.4 | 1.3 | 77 | 532 | 109.0 | 49.8 | 1.0 | 8 | 5 | 10 | 7 | — | 5.7 | 32 | 6.40 | |
| Tottenham | 29.671 | 75.8 | 40.0 | 35.8 | 68.8 | 52.3 | 31.2 | 14.5 | 58.3 | 53.1 | .404 | 4.5 | 1.0 | 83 | 534 | — | 50.5 | 1.0 | 5 | 4 | 10 | 12 | — | 6.1 | 40 | 8.87 | |
| Barnet | 29.620 | 82.0 | 31.0 | 51.0 | 69.8 | 48.3 | 46.3 | 21.5 | 58.2 | 51.8 | .388 | 4.3 | 1.1 | 79 | 532 | 121.7 | 41.5 | 0.4 | 5 | 4 | 8 | 14 | — | 6.2 | 33 | 8.92 | |
| Oxford | 29.589 | 76.7 | 36.1 | 40.6 | 67.3 | 51.1 | 36.4 | 16.2 | 59.9 | 52.3 | .392 | 4.4 | 1.2 | 79 | 530 | 113.4 | 48.2 | 2.2 | 6 | 4 | 9 | 12 | 2.5 | 6.3 | 33 | 6.66 | |
| Royston | 29.618 | 83.7 | 38.2 | 45.5 | 69.1 | 50.8 | 40.4 | 18.5 | 58.4 | 51.0 | .383 | 4.3 | 1.2 | 78 | 530 | — | — | — | 7 | 4 | 7 | 13 | — | 5.8 | 32 | 5.42 | |
| Hereford | 29.693 | 81.2 | 35.1 | 47.1 | 65.7 | 47.5 | 40.4 | 18.5 | 57.4 | 49.9 | .361 | 4.0 | 1.2 | 76 | 531 | 126.8 | 34.7 | 1.2 | 8 | 4 | 7 | 11 | — | 6.2 | 44 | 6.11 | |
| Cambridge | 29.542 | 83.0 | 34.8 | 49.2 | 71.2 | 50.2 | 40.5 | 20.9 | 59.8 | 52.4 | .397 | 4.5 | 1.3 | 78 | — | 135.7 | — | 1.3 | 4 | 5 | 11 | 11 | — | 5.8 | 40 | 4.70 | |
| Lowestoft | 29.551 | 77.2 | 32.5 | 38.2 | 64.6 | 51.8 | 35.8 | 14.8 | 58.3 | 53.4 | .395 | 4.4 | 1.0 | 81 | 533 | 113.7 | 49.1 | 1.8 | 6 | 4 | 6 | 15 | — | 5.5 | 44 | 8.34 | |
| Somerleyton | 29.543 | 77.9 | 30.0 | 33.0 | 66.4 | 51.2 | 35.2 | 15.2 | 57.3 | 52.0 | .387 | 4.3 | 1.0 | 80 | 535 | — | — | 1.1 | 6 | 5 | 8 | 11 | — | 5.8 | 40 | 7.40 | |
| Wolverhampton | 29.627 | 74.5 | 35.0 | 39.5 | 65.4 | 48.8 | 35.4 | 16.6 | 56.0 | 49.9 | .360 | 4.0 | 1.0 | 81 | 538 | — | — | — | 7 | 11 | — | — | — | 7.6 | 40 | 6.22 | |
| Nottingham | 29.542 | 77.8 | 33.0 | 41.8 | 65.8 | 50.5 | 35.8 | 16.3 | 57.4 | 49.4 | .358 | 4.0 | 1.3 | 75 | 533 | 112.4 | 46.6 | 0.5 | 6 | 4 | 6 | 15 | 0.2 | 6.0 | 50 | 6.38 | |
| Llandudno | 29.559 | 75.1 | 43.5 | 31.6 | 63.8 | 53.5 | 26.9 | 10.8 | 58.6 | 50.9 | .374 | 4.2 | 1.2 | 76 | 533 | — | — | 0.7 | 4 | 4 | 9 | 14 | — | 6.5 | 48 | 7.27 | |
| Liverpool | 29.568 | 75.6 | 43.5 | 33.3 | 63.8 | 53.5 | 26.9 | 10.8 | 58.6 | 50.9 | .374 | 4.2 | 1.2 | 76 | 532 | — | — | 1.2 | 5 | 4 | 8 | 13 | — | 6.5 | 51 | 8.13 | |
| Halifax | 29.554 | 75.0 | 43.5 | 31.6 | 63.8 | 53.5 | 26.9 | 10.8 | 58.6 | 50.9 | .374 | 4.2 | 1.2 | 76 | 534 | 114.1 | 45.1 | 1.4 | 5 | 4 | 9 | 12 | — | 6.8 | 40 | 8.41 | |
| Hull | 29.522 | 79.6 | 39.0 | 40.0 | 65.9 | 52.3 | 34.0 | 13.5 | 58.0 | 51.6 | .384 | 4.3 | 1.0 | 80 | 532 | — | — | 1.6 | 7 | 5 | 4 | 7 | 13 | — | 6.5 | 48 | 8.27 |
| Stonyhurst | 29.561 | 76.6 | 36.6 | 33.4 | 65.1 | 49.5 | 34.7 | 15.6 | 55.9 | 49.7 | .359 | 4.0 | 1.0 | 80 | 530 | 118.0 | 46.3 | 0.3 | 6 | 4 | 5 | 16 | — | 7.6 | 63 | 16.64 | |
| Carlisle | 29.49 | 77.2 | 33.8 | 38.4 | 67.0 | 52.7 | 32.9 | 14.3 | 58.8 | 53.1 | .405 | 4.5 | 1.1 | 81 | 531 | 100.3 | 46.4 | 0.9 | 7 | 4 | 6 | 14 | 2.2 | 7.0 | 54 | 10.28 | |

The highest temperatures of the air were at Royston, 83° 7; at Cambridge, 83° 0; and at the Royal Observatory, 82° 8.
 The lowest temperatures of the air were at Barnet, 31° 0; at Salisbury, 29° 0; and at Cambridge, 34° 8.
 The greatest ranges of temperature were at Barnet, 51° 0; at Cambridge, 49° 2; and at Salisbury, 48° 0.
 The least ranges of temperature were at Ventnor, 28° 0; at Guernsey, 28° 9; and at Llandudno, 31° 6.
 The greatest number of days of rain were at Stonyhurst, 63; at Carlisle, 54; and at Liverpool, 51.
 The least number of days of rain were at Osborne, 32; Camden Square, 32; and Royston, 32.
 The greatest falls of rain were at Stonyhurst, 16.64 inches; at Carlisle, 10.26 inches; and at Truro, 10.09 inches.
 The least falls of rain were at Cambridge, 4.70 inches; at Royston, 5.42 inches; and at Hereford, 6.11 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest and Lowest Read- ings of the Thermom- eter. | Mean Range of Tem- perature in the Quar- ter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | RAIN. | | |
|-------------------------------------|---|--|---|----------------------|---------------------|--|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-------|----|----|-----------------------|-----------------------|----------------------------|-------|-----------------------------|-----------------------------|
| | | | | | | | | | | | | | | | | | | N. | E. | S. | | | | W. | Mean Amount col- lected. | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Relative Pro- portion of |
| Guernsey | 29.616 | 73.3 | 44.4 | 28.9 | 64.5 | 53.9 | 25.9 | 10.6 | 57.9 | 54.2 | .420 | 4.7 | 0.7 | 87 | 531 | 116.5 | 47.3 | 0.9 | 6 | 5 | 6 | 13 | 2.6 | 5.4 | 46 | 7.51 |
| Between 50° and 51° | 29.591 | 75.5 | 40.9 | 34.6 | 66.8 | 53.4 | 31.0 | 13.4 | 59.1 | 52.8 | .401 | 4.5 | 1.1 | 80 | 532 | 119.3 | 50.5 | 0.9 | 7 | 5 | 8 | 11 | 3.1 | 5.8 | 40 | 8.07 |
| 51° and 52° | 29.568 | 79.2 | 36.0 | 43.2 | 68.7 | 50.7 | 38.3 | 18.0 | 58.7 | 52.5 | .397 | 4.4 | 1.1 | 80 | 533 | 115.9 | 47.0 | 1.3 | 6 | 4 | 9 | 11 | 1.6 | 5.7 | 37 | 7.55 |
| 52° and 53° | 29.558 | 79.3 | 36.6 | 42.8 | 67.3 | 50.1 | 37.6 | 17.3 | 57.8 | 51.1 | .378 | 4.2 | 1.1 | 78 | 532 | 122.2 | 43.5 | 1.2 | 6 | 4 | 7 | 13 | 1.2 | 6.1 | 41 | 6.37 |
| 53° and 54° | 29.550 | 77.9 | 39.1 | 37.6 | 65.0 | 51.5 | 32.3 | 13.4 | 57.4 | 50.7 | .371 | 4.2 | 1.1 | 79 | 532 | 114.6 | 47.2 | 1.1 | 5 | 4 | 8 | 13 | — | 6.4 | 48 | 7.70 |
| 54° and 55° | 29.538 | 76.6 | 37.7 | 38.9 | 66.0 | 51.1 | 33.8 | 14.9 | 57.4 | 51.4 | .382 | 4.2 | 1.1 | 81 | 531 | 109.2 | 46.6 | 0.6 | 7 | 4 | 5 | 15 | 2.2 | 7.3 | 59 | 13.45 |
| Mean for the Quarter, 50° to 55° | 29.591 | 75.5 | 40.9 | 34.6 | 66.8 | 53.4 | 31.0 | 13.4 | 59.1 | 52.8 | .401 | 4.5 | 1.1 | 80 | 532 | 119.3 | 50.5 | 0.9 | 7 | 5 | 8 | 11 | 3.1 | 5.8 | 40 | 8.07 |
| Year 1887 | 29.591 | 75.5 | 40.9 | 34.6 | 66.8 | 53.4 | 31.0 | 13.4 | 59.1 | 52.8 | .401 | 4.5 | 1.1 | 80 | 532 | 119.3 | 50.5 | 0.9 | 7 | 5 | 8 | 11 | 3.1 | 5.8 | 40 | 8.07 |
| " 1888 | 29.586 | 78.7 | 37.4 | 44.1 | 64.5 | 49.4 | 34.7 | 15.2 | 55.8 | 50.3 | .374 | 4.2 | 0.8 | 83 | 534 | 108.2 | 43.5 | 1.1 | 7 | 6 | 8 | 10 | 2.3 | 5.4 | 38 | 6.72 |
| " 1889 | 29.554 | 80.9 | 30.3 | 43.1 | 66.6 | 50.4 | 37.9 | 16.1 | 57.3 | 51.5 | .379 | 4.3 | 1.1 | 81 | 533 | 111.4 | 47.0 | 0.9 | 7 | 5 | 8 | 11 | 1.6 | 6.2 | 43 | 8.19 |
| " 1890 | 29.565 | 77.6 | 38.2 | 39.4 | 66.8 | 51.4 | 34.6 | 15.4 | 58.1 | 51.7 | .386 | 4.3 | 1.1 | 80 | 532 | 116.2 | 47.0 | 1.0 | 6 | 4 | 7 | 15 | 1.0 | 6.2 | 45 | 8.94 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING DECEMBER 31, 1890.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING DECEMBER 31ST, 1890.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in October was very fine and dry. The temperature of the air during the first week and the last two days were above their averages, and below generally from the 8th to the 29th, particularly so on the 26th, 27th, and 28th days. The mean temperature of the 28th was 16° below its average, and it was the coldest day in October for many years. The atmospheric pressure till the 30th was above its average, with the exception of two or three days. The fall of rain was small.

The weather in November was generally fine and mild till the 24th, when very severe weather set in and continued. The temperature of the air differed but little from the average till the 12th. It was warm from the 13th to the 24th, and particularly on the 19th, 20th, and 23rd days, the mean temperature of these three days being exceptionally warm for the time of year, averaging full 10° above their averages. On the 25th the temperature fell quickly, to the 28th, when the mean temperature at Blackheath was 20° 2, being 21° 4 below the average, and the mean depression of temperature below their averages for the six days ending the 30th was 14½°. The atmospheric pressure was below its average till the 13th, and was above from the 14th, with the exception of the 23rd, 24th, and 25th days. The fall of rain was below its average about London, but was in excess at many stations in the Midland and Northern Counties.

The weather in December was very cold, with frequent fog and light snow. At Blackheath the mean daily temperature of the air till the 9th was somewhat above 32°; from the 10th to the end of the month, with the single exception of the 21st, when the mean was 32° 6, it was constantly below 32°. The cold was remarkable for its persistency and severity. On many days the deficiency of temperature below average exceeded 12°, on the 14th it was as large as 17½°, and on the 22nd as large as 21°. The lowest reading in the month at Blackheath was 12½°, at Rugby the lowest reading was 1°, at Cambridge 3°, at Royston 4°, at Salisbury 6°, at Hereford 6½°, and at Barnet and Tottenham 8°. The atmospheric pressure till the 14th was for two or three days together below its average, and then for two or three days above; from the 15th to the 19th it was below, and above from the 21st. The fall of rain was small. The month is remarkable as being the coldest December in this century. The nearest approach in modern times was in 1879. In this year a severe cold set in on November 20, and from that day to the end of the year every day was below its average temperature. The mean temperature of December 1879 was 2½° warmer than this December.

About London, the mean daily temperature of the air was generally above its average till October 7th, the mean daily excess being 2° 5; from the 8th to the 29th it was generally below, being particularly so on the 13th, 14th, 26th, 27th, and 28th when it was 7° 3, 9° 3, 8° 0, 10° 4 and 16° 1 respectively below; the mean daily deficiency for the 22 days ending October 29th, being 3° 6; from October 30th to November 2nd it was above, the mean daily

The mean high day temperature of the air for December was $33^{\circ} \cdot 3$, being $11^{\circ} \cdot 2$ below the average of 49 years; it was $8^{\circ} \cdot 4$, $12^{\circ} \cdot 3$, and $8^{\circ} \cdot 8$ lower than in 1889, 1888, and 1887 respectively; and there was no instance of as low or lower temperature back to 1841.

The mean low night temperature of the air for October was $41^{\circ} \cdot 8$, being $1^{\circ} \cdot 4$ below the average of 49 years; it was $0^{\circ} \cdot 4$ lower than in 1889, and $4^{\circ} \cdot 1$ and $3^{\circ} \cdot 5$ higher than in 1888 and 1887 respectively.

The mean low night temperature of the air for November was $37^{\circ} \cdot 2$, being $0^{\circ} \cdot 5$ below the average of 49 years; it was $1^{\circ} \cdot 6$ and $5^{\circ} \cdot 5$ lower than in 1889 and 1888 respectively, and $1^{\circ} \cdot 2$ higher than in 1887.

The mean low night temperature of the air for December was $25^{\circ} \cdot 2$, being $9^{\circ} \cdot 8$ below the average of 49 years; it was $7^{\circ} \cdot 5$, $10^{\circ} \cdot 4$, and $8^{\circ} \cdot 2$ lower than in 1889, 1888, and 1887 respectively; and there was no instance of as low temperature back to 1841.

The mean daily range of temperature for October was $15^{\circ} \cdot 7$, being $1^{\circ} \cdot 1$ more than the average; in November it was $12^{\circ} \cdot 1$, being $0^{\circ} \cdot 8$ above the average; and in December it was $8^{\circ} \cdot 1$, being $1^{\circ} \cdot 2$ less than the average.

| Temperature of | | | | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---|--|------------|--|----------------------|--|-------|--|-------|--|-------|--|-------|--|--|---|--|
| Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | | | | | | |
| 1890. MONTHS. | Mean. | Diff. from ave- rage of 119 years. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | | | |
| | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | | |
| Oct. - | 49°3 | -0°2 | -0°5 | 46°8 | -1°0 | 43°9 | -1°8 | 5 | 0 | in. | in. | grs. | grs. | | | | | |
| Nov. - | 41°2 | +0°8 | -0°3 | 41°2 | -0°3 | 38°9 | -0°6 | 15°7 | +1°1 | °287 | °021 | 3°3 | 0°6 | | | | | |
| Dec. - | 29°8 | -9°3 | -10°0 | 29°1 | -9°3 | 27°0 | -9°5 | 12°1 | +0°8 | °287 | °009 | 2°8 | 0°2 | | | | | |
| Means - | 40°8 | -2°9 | -3°6 | 39°0 | -3°5 | 36°6 | -4°0 | 8°1 | -1°2 | °147 | °071 | 1°7 | -1°0 | | | | | |

| 1890. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|------------------------|--|--------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---|--|-----------------|
| | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Mean. | Diff. from ave- rage of 49 years. | Amount. | Diff. from ave- rage of 75 years. | | Number of Nights it was | | Low- est Read- ing at Night. | High- est Read- ing at Night. | |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Oct. - | 82 | - 7 | in. 29°01 | in. +°20 | grs. 544 | grs. + 4 | in. 1°19 | in. -1°57 | Miles. 282 | 3 | 23 | 5 | 0 | 0 |
| Nov. - | 85 | - 5 | 29°701 | -°040 | 547 | - 1 | 1°48 | -0°88 | 315 | 10 | 13 | 7 | 18°1 | 48°5 |
| Dec. - | 89 | - 1 | 29°851 | +°059 | 565 | +13 | 0°77 | -1°20 | 202 | 27 | 4 | 0 | 13°4 | 24°7 |
| Means - | 85 | - 4 | 29°821 | +°076 | 552 | + 5 | Sum 3°44 | Sum -3°65 | Mean 163 | Sum 40 | Sum 40 | Sum 12 | Lowest 13°4 | Highest 48°8 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (−) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|-----------|----------|-------------------------------|
| | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. | 1890. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 6 | 2½ | + 3½ | 4 | 2½ | + 1½ | 1 | 2½ | + 1½ |
| N. | 3 | 3½ | − ½ | 4 | 4½ | − ½ | 4 | 3 | + 1 |
| N.E. | 3 | 3 | 0 | 2 | 4 | − 2 | 14 | 2½ | + 11½ |
| E. | 1 | 1½ | − ½ | 2 | 2½ | − ½ | 5 | 2 | + 3 |
| S.E. | 1 | 2 | − 1 | 4 | 2½ | + 1½ | 2 | 2 | 0 |
| S. | 5 | 4 | + 1 | 4 | 4 | 0 | 3 | 3½ | − ½ |
| S.W. | 8 | 10 | − 2 | 8 | 8½ | − ½ | 1 | 11 | − 10 |
| W. | 4 | 4½ | − ½ | 2 | 2½ | − ½ | 1 | 4½ | − 3½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in October are N.W. and S.; in November are S.E. and N.W.; and in December are N.E., E., and N.

The sign (−) denotes deficiencies below averages. In October this sign is opposite to S.W. and S.E.; in November to N.E. and S.W.; and in December to S.W., W., and N.W.

The mean temperature in October was $10^{\circ} \cdot 2$ colder than in September; in November it was $6^{\circ} \cdot 1$ colder than in October; and in December it was $13^{\circ} \cdot 4$ colder than in November.

(From the preceding 49 years' observations the decrease from September to October is $7^{\circ} \cdot 2$, the decrease from October to November is $6^{\circ} \cdot 3$, and the decrease from November to December is $3^{\circ} \cdot 7$.)

From September to October there was a decrease at all stations; at those south of 51° of $6^{\circ} \cdot 9$; between 51° and 52° of $9^{\circ} \cdot 2$; between 52° and 53° of $9^{\circ} \cdot 8$; and at stations north of this parallel of $8^{\circ} \cdot 9$.

From October to November there was a decrease at all stations; at those south of 52° of $6^{\circ} \cdot 2$; between 51° and 53° of $6^{\circ} \cdot 6$; and at stations north of this parallel of $7^{\circ} \cdot 1$.

From November to December there was a decrease at all stations; at those south of 51° of $9^{\circ} \cdot 9$; between 51° and 52° of $12^{\circ} \cdot 8$; between 52° and 53° of $11^{\circ} \cdot 7$, and at stations north of this parallel of $9^{\circ} \cdot 8$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of October was 29.921 ins., being 0.209 in. above the average of 49 years. It was 0.400 in., 0.033 in., and 0.005 in. higher than in 1889, 1888, and 1887 respectively; and there were only 3 instances of as high or higher barometer reading back to the year 1841, viz. :—

1879 it was 29.952 ins. | 1866 it was 29.927 ins. | 1856 it was 29.991 ins.

The mean reading of the barometer for November was 29.701 ins., being 0.040 in. below the average of 49 years. It was 0.341 in. lower than in 1889, and 0.077 in. and 0.171 in. higher than in 1888 and 1887 respectively.

The mean reading of the barometer for December was 29.851 ins., being 0.059 in. above the average of 49 years. It was 0.159 in. lower than in 1889, and 0.042 in. and 0.175 in. higher than in 1888 and 1887 respectively.

From September to October there was a decrease at all stations, at those south of 51° of 0.01 in., and at stations north of this parallel of 0.05 in.

From October to November there was a decrease of about 0.22 in. at all stations.

From November to December there was an increase at all stations, at those south of 51° of 0.06 in., between 51° and 52° of 0.14 in., between 52° and 53° of 0.20 in., and at stations north of this parallel of 0.24 in.

About London the atmospheric pressure was generally above its average till October 30th, being on several days more than half an inch above, the mean daily excess for the 30 days being 0.23 in.; from October 31st to November 13th it was below, being particularly so on the 2nd, 4th, and 7th of November, when it was as much as 0.70 in., 0.72 in., and 0.75 in. respectively below; from November 14th to December 14th it was generally above, the mean daily excess for these 31 days being 0.14 in.; from December 15th to the 20th it was below, being as much as 0.73 in. below its average on the 19th, the mean daily deficiency for the 6 days being 0.29 in.; and from December 21st to the 31st it was above, the mean daily excess being 0.18 in.

Thunderstorms occurred in October on the 15th at Liverpool; on the 16th at Royston and Halifax; and on the 26th at Truro and Liverpool.

In November on the 25th at Guernsey.

Thunder was heard but lightning was not seen in October on the 16th at Cambridge and Stonyhurst; and on the 17th at Royston.

Lightning was seen but thunder was not heard in October on the 15th at Cambridge, Lowestoft, Somerleyton, and Halifax; and on the 25th at Hull.

In November on the 9th at Torquay and Salisbury; and on the 26th at Plymouth.

Solar halos were seen in October on the 5th at Oxford; on the 8th at Torquay; and on the 9th and 28th at Liverpool.

In November on the 3rd at Oxford and Halifax; on the 4th at Liverpool; on the 6th and 7th at Oxford; on the 8th at Torquay; on the 11th at Torquay and Oxford; on the 12th at Oxford; on the 13th at Liverpool and Halifax; on the 15th at Oxford; on the 17th at Halifax; on the 22nd at Torquay; and on the 30th at Torquay and Oxford.

In December on the 2nd at Torquay.

Lunar halos were seen in October on the 2nd at Torquay and Hull; on the 26th at Torquay and Stonyhurst; on the 27th at Stonyhurst; on the 28th at Torquay and Oxford; and on the 30th at Oxford.

In November on the 1st at Oxford; on the 19th at Hereford; on the 21st at Torquay; on the 24th at Torquay and Oxford; and on the 29th at Liverpool.

In December on the 19th at Salisbury; on the 20th at Hull; on the 22nd at Salisbury; and on the 25th at Oxford.

Snow fell in October on the 18th at Blackheath and Royal Observatory; on the 25th at Halifax; on the 26th at Blackheath, Royal Observatory, Royston, Hereford, Cambridge, and in the Northern Counties; and on the 27th at Lowestoft.

In November on the 10th at Bradford and Leeds; on the 24th at Halifax; on the 25th at Plymouth, Oxford, Royston, Rugby, Halifax, Bradford, and Stonyhurst; on the 26th, 27th, and 28th it was a general fall throughout the country; and on the 29th at Guernsey, Blackheath, Royal Observatory, Barnet, Hereford, and Leeds.

In December on the 5th at Salisbury and Bath; on the 6th at Torquay and Oxford; on the 7th at Royston; on the 8th at Torquay, Osborne, and in the Midland Counties; on the 14th at Whitechurch; on the 15th at Osborne and in the Midland Counties; on the 16th at Barnet; on the 17th at Torquay and in the Midland Counties; on the 18th at Torquay, Salisbury, Bath, Somerleyton, Wolverhampton, and Leeds; on the 19th at Torquay, Salisbury, and in the Midland and Northern Counties; on the 20th at Torquay, Salisbury, Whitechurch, Blackheath, Royal Observatory, Barnet, Lowestoft, and Bradford; on the 21st at Torquay and Whitechurch; on the 22nd at Wolverhampton; on the 23rd at Rugby and in the Northern Counties; on the 24th at Wolverhampton and Bradford; on the 25th at Salisbury, Oxford, Wolverhampton, Liverpool, Halifax, and Stonyhurst; on the 26th at Guernsey, Osborne, Salisbury, Whitechurch, Royston, Rugby, Lowestoft, Somerleyton, Wolverhampton, and Leeds; on the 27th at Torquay and in the Midland and Northern Counties; on the 28th at Truro, Torquay, and in the Midland Counties; on the 29th at Blackheath, Royal Observatory, Oxford, Royston, and Rugby; on the 30th at Truro, Salisbury, Blackheath, Royal Observatory, Oxford, Royston, Wolverhampton, and Leeds; and on the 31st at Truro, Torquay, Osborne, Salisbury, and in the Midland and Northern Counties.

Hail fell in October on the 15th at Hereford, Llandudno, Liverpool, Halifax, Stonyhurst, and Carlisle; on the 16th at Royston, Hereford, Liverpool, and Stonyhurst; on the 25th at Truro, Liverpool, and Halifax; on the 26th at Truro, Salisbury, Blackheath, Royston, Hereford, Llandudno, and Liverpool; and on the 27th at Truro, Llandudno, and Liverpool.

In November on the 2nd at Guernsey and Liverpool; on the 7th at Truro; on the 9th at Torquay, Oxford, and Liverpool; on the 11th at Hereford; on the 12th at Truro; on the 21st and 22nd at Liverpool; on the 23rd at Truro; on the 24th at Truro, Torquay, Blackheath, Royal Observatory, and Liverpool; on the 25th at Somerleyton and Hull; and on the 26th and 27th at Hull.

In December on the 5th at Osborne; on the 17th at Carlisle; on the 20th at Torquay; on the 23rd at Stonyhurst; on the 25th at Hull; on the 26th at Osborne, Wolverhampton, and Hull; and on the 27th and 28th at Torquay.

Fog prevailed in October on the 9th at Oxford, Hereford, and Cambridge; on the 10th at Truro, Oxford, and Wolverhampton; on the 11th at Truro, Plymouth, Whitechurch, Royston, Cambridge, and Wolverhampton; on the 12th at Whitechurch, Oxford, Cambridge, Wolverhampton, Hull, and Stonyhurst; on the 13th and 14th at Guernsey, Plymouth, and in the Midland and Northern Counties; on the 17th at Torquay; on the 20th at Plymouth, Hull, and Stonyhurst; on the 21st at Whitechurch and Rugby; on the 22nd at Bath, Oxford, Cambridge, Wolverhampton, Hull, and Leeds; on the 23rd at Truro, Plymouth, Bath, Royston, Lowestoft, and Somerleyton; on the 24th at Plymouth; on the 28th at Whitechurch; on the 30th at Oxford; and on the 31st at Cambridge and Lowestoft.

In November on the 8th and 10th at Oxford; on the 11th at Hull and Leeds; on the 12th at Truro, Oxford, and Stonyhurst; on the 13th and 14th was general in the Midland and Northern Counties; on the 15th at Hull; on the 16th at Oxford and Cambridge; on the 17th at Torquay, Blackheath, Royal Observatory, and in the Midland Counties; on the 18th at Torquay and Hull; on the 19th and 20th at Bath; on the 25th at Rugby and Wolverhampton; and on the 29th and 30th at Oxford.

In December on the 1st at Truro, Torquay, and Wolverhampton; on the 2nd and 3rd at Torquay, Bath, Royston, Wolverhampton, and Hull; on the 4th at Bath; on the 5th at Bath and Bradford; on the 9th at Salisbury, Bath, Oxford, Royston, Rugby, and Wolverhampton; on the 10th, 11th, 12th, and 13th, was general in the Midland and Northern Counties; on the 14th at Osborne, Bath, Oxford, Royston, Wolverhampton, Hull, and Bradford; on the 15th at Blackheath, Royal Observatory, Rugby, Lowestoft, Wolverhampton, and Stonyhurst; on the 20th at Royston; on the 21st at Bradford; on the 22nd at Bath and in the Midland and Northern Counties; on the 23rd at Whitechurch and Wolverhampton; on the 24th at Whitechurch, Rugby, and Wolverhampton; on the 25th at Bath, Whitechurch, and Wolverhampton; on the 26th at Torquay, Bath, Oxford, Royston, Rugby, Lowestoft, and Somerleyton; on the 27th at Torquay; on the 28th at Oxford; and on the 31st at Torquay and Hull.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31ST, 1890.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1890. | Months. | Height of Station Above Sea Level. | Pressure of Air in Month. | | | Mean Temperature. | | Vapour. | Mean Reading of Thermometer. | Wind. | Mean Amount of Cloud. | Number of Days it fell. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------|------------------------------------|---------------------------|--------|----------|-------------------|--------|---------|------------------------------|--------|-----------------------|-------------------------|-------|-----------------|----------------|--------------|------|------------|----------------|--------|-------------------------|-----------------|-------------------------------------|-------------------------|-------------------|---------------------|------------------------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|-------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | | | | | | | Of all Highest. | Of all Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | Mean. | In a cubic foot of Air. | Mean Dew Point. | Mean Weight of a cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Grass. | Estimated Strength. | Relative Proportion of | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | feet. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range. | In. | Range |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| | | | | | | | | | | | | | | | | | | | in. | ° | ° | ° | | | | |
| Guernsey | 29.741 | 68.2 | 33.4 | 45.9 | 50.8 | 42.1 | 28.4 | 8.1 | 45.9 | 42.6 | .279 | 3.2 | 0.4 | 89 | 544 | 83.4 | 35.8 | 1.1 | 7 | 7 | 5 | 12 | 2.9 | 6.9 | 58 | 10.26 |
| Truro | 29.809 | 71.6 | 22.0 | 49.1 | 54.9 | 40.1 | 34.7 | 14.8 | 48.5 | 38.4 | .240 | 2.8 | 1.2 | 67 | 547 | — | — | 1.2 | 10 | 5 | 7 | 9 | — | 6.0 | 62 | 12.44 |
| Plymouth | 29.838 | 61.4 | 23.0 | 42.1 | 48.9 | 39.5 | 29.5 | 12.0 | 44.6 | 41.7 | .270 | 3.1 | 0.4 | 90 | 551 | 86.4 | 37.7 | 1.2 | 7 | 6 | 7 | 9 | — | 7.0 | 48 | 8.23 |
| Torquay | 29.761 | 69.2 | 22.1 | 43.8 | 50.1 | 38.9 | 30.7 | 11.2 | 44.6 | 40.0 | .256 | 2.9 | 0.6 | 85 | 545 | 74.7 | 35.0 | 1.4 | 8 | 8 | 5 | 9 | 3.6 | 7.3 | 52 | 10.07 |
| Ventnor | 29.710 | 69.4 | 20.7 | 46.4 | 48.9 | 40.0 | 32.2 | 9.6 | 44.6 | 38.7 | .245 | 2.8 | 0.7 | 81 | 549 | — | — | 0.9 | 10 | 6 | 5 | 9 | — | 5.3 | 58 | 5.14 |
| Eastbourne | 29.732 | 65.4 | 14.9 | 30.6 | 48.0 | 36.7 | 34.6 | 11.0 | 42.3 | 38.9 | .239 | 2.7 | 0.4 | 83 | 553 | 71.9 | 37.3 | 0.1 | 8 | 9 | 5 | 9 | 0.6 | 5.9 | 45 | 5.93 |
| Osborne | 29.770 | 65.2 | 18.7 | 30.1 | 47.7 | 37.6 | 32.4 | 10.6 | 42.3 | 39.6 | .242 | 2.9 | 0.2 | 90 | 550 | 69.1 | 34.6 | 0.2 | 9 | 7 | 4 | 10 | — | 6.9 | 57 | 4.16 |
| Salisbury | 29.769 | 69.6 | 34.4 | 43.4 | 48.9 | 31.2 | 42.3 | 17.7 | 40.1 | 36.0 | .227 | 1.6 | 0.4 | 83 | 532 | 68.3 | — | 1.2 | 9 | 7 | 7 | 8 | — | 7.2 | 49 | 5.94 |
| Barnstaple | 29.769 | 69.6 | 34.4 | 43.4 | 48.9 | 31.2 | 42.3 | 17.7 | 40.1 | 36.0 | .227 | 1.6 | 0.4 | 83 | 532 | 68.3 | — | 1.2 | 9 | 7 | 7 | 8 | — | 7.2 | 49 | 5.94 |
| Rath | 29.756 | 67.1 | 10.1 | 35.4 | 45.9 | 34.8 | 35.7 | 11.1 | 40.7 | 37.0 | .228 | 2.6 | 0.4 | 83 | 544 | 74.2 | 38.0 | 1.1 | 9 | 9 | 6 | 9 | — | 5.0 | 39 | 7.77 |
| Whitechurch | 29.823 | 66.4 | 11.4 | 35.4 | 44.2 | 34.1 | 37.2 | 12.1 | 40.9 | 37.3 | .240 | 2.7 | 0.3 | 91 | 555 | — | — | 0.8 | 7 | 6 | 7 | 10 | — | 6.9 | 33 | 3.81 |
| Royal Observatory | 29.771 | 68.4 | 13.4 | 35.2 | 46.7 | 34.7 | 37.8 | 12.6 | 40.8 | 36.6 | .224 | 2.6 | 0.4 | 85 | 552 | 64.1 | 30.6 | — | — | — | — | — | 0.3 | 7.1 | 37 | 3.44 |
| Blackheath | 29.779 | 67.1 | 12.1 | 34.1 | 45.7 | 33.4 | 39.7 | 12.3 | 39.9 | 35.5 | .211 | 2.5 | 0.3 | 84 | 553 | 69.7 | — | 1.1 | 8 | 6 | 9 | 7 | — | 7.1 | 37 | 3.28 |
| Camden Square | 29.778 | 68.2 | 14.4 | 38.0 | 43.9 | 35.1 | 37.0 | 11.8 | 40.9 | 36.7 | .225 | 2.5 | 0.5 | 85 | 553 | 60.5 | 30.7 | — | 7 | 8 | 7 | 9 | — | 6.8 | 33 | 3.28 |
| Tottenham | 29.766 | 69.8 | 10.6 | 30.1 | 46.5 | 34.6 | 38.8 | 11.9 | 40.0 | 35.9 | .220 | 2.5 | 0.4 | 86 | 555 | — | 33.2 | 0.9 | 8 | 7 | 6 | 10 | — | 7.4 | 57 | 3.67 |
| Barnet | 29.793 | 67.4 | 8.6 | 31.1 | 47.6 | 32.5 | 43.9 | 15.1 | 40.1 | 36.4 | .224 | 2.6 | 0.4 | 83 | 552 | 67.6 | 5.0 | 0.4 | 9 | 6 | 6 | 10 | — | 6.6 | 32 | 4.04 |
| Oxford | 29.778 | 68.9 | 8.0 | 31.1 | 45.0 | 34.8 | 38.7 | 11.2 | 40.3 | 36.5 | .224 | 2.6 | 0.4 | 86 | 552 | 66.8 | 29.7 | 2.0 | 7 | 6 | 8 | 9 | 0.3 | 7.1 | 34 | 3.68 |
| Royston | 29.804 | 68.1 | 4.3 | 33.1 | 46.6 | 34.5 | 39.4 | 12.3 | 40.1 | 36.1 | .221 | 2.5 | 0.5 | 86 | 552 | — | — | — | 7 | 6 | 7 | 11 | — | 6.8 | 42 | 3.97 |
| Hereford | 29.841 | 65.7 | 6.1 | 30.7 | 46.7 | 34.4 | 36.9 | 12.4 | 40.3 | 36.2 | .221 | 2.6 | 0.5 | 85 | 550 | 73.4 | 19.7 | 1.2 | 3 | 7 | 6 | 10 | — | 6.9 | 43 | 5.22 |
| Rugby | 29.780 | 71.0 | 1.4 | 70.1 | 46.1 | 32.7 | 42.9 | 13.4 | 39.7 | 34.6 | .226 | 2.7 | 0.3 | 89 | 552 | — | — | 0.4 | 6 | 9 | 7 | 9 | — | 6.9 | 59 | 4.76 |
| Lowestoft | 29.729 | 69.6 | 21.1 | 48.4 | 48.5 | 36.4 | 32.4 | 12.1 | 42.4 | 37.6 | .232 | 2.7 | 0.5 | 83 | 551 | 78.8 | 33.3 | 2.0 | 8 | 6 | 7 | 9 | — | 6.4 | 44 | 6.28 |
| Somerleyton | 29.729 | 69.6 | 21.1 | 48.4 | 48.5 | 36.4 | 32.4 | 12.1 | 42.4 | 37.6 | .232 | 2.7 | 0.5 | 83 | 551 | 78.8 | 33.3 | 2.0 | 8 | 6 | 7 | 9 | — | 6.4 | 44 | 6.28 |
| Wolverhampton | 29.822 | 61.9 | 10.1 | 33.1 | 43.4 | 33.2 | 35.9 | 12.2 | 39.1 | 35.8 | .213 | 2.8 | 0.4 | 86 | 548 | — | — | 1.0 | 5 | 6 | 9 | 10 | — | 6.5 | 49 | 7.15 |
| Nottingham | 29.761 | 66.7 | 11.7 | 35.1 | 46.6 | 34.8 | 37.5 | 11.8 | 40.5 | 35.7 | .214 | 2.5 | 0.5 | 81 | 551 | 68.8 | 31.5 | 0.2 | 6 | 6 | 6 | 12 | 0.3 | 7.4 | 52 | 3.98 |
| Llandudno | 29.729 | 68.3 | 20.0 | 45.1 | 49.0 | 39.9 | 36.8 | 9.1 | 43.7 | 38.3 | .238 | 2.7 | 0.8 | 73 | 548 | — | — | 0.9 | 7 | 4 | 9 | 11 | — | 6.5 | 48 | 8.87 |
| Liverpool | 29.726 | 63.0 | 16.9 | 46.1 | 46.9 | 38.2 | 30.4 | 8.7 | 43.0 | 37.7 | .236 | 2.7 | 0.8 | 85 | 546 | — | — | 0.9 | 7 | 4 | 9 | 11 | — | 6.5 | 48 | 8.87 |
| Halifax | 29.776 | 65.6 | 15.0 | 30.6 | 45.0 | 34.8 | 35.9 | 10.2 | 39.5 | 35.2 | .23 | 2.6 | 0.4 | 88 | 547 | 62.0 | 31.3 | 0.7 | 6 | 7 | 6 | 11 | — | 7.4 | 47 | 6.41 |
| Hull | 29.745 | 65.0 | 12.0 | 34.1 | 45.7 | 33.8 | 37.3 | 11.9 | 40.4 | — | — | — | — | — | — | 67.2 | 31.1 | 1.3 | 6 | 7 | 8 | 10 | — | 6.1 | 41 | 5.88 |
| Bradford | 29.735 | 65.2 | 18.4 | 46.1 | 47.6 | 37.8 | 33.6 | 9.8 | 42.1 | 37.7 | .228 | 2.6 | 0.6 | 83 | 546 | 64.8 | — | 1.2 | 6 | 7 | 6 | 10 | — | 8.0 | 51 | 6.22 |
| Leeds | 29.726 | 65.0 | 18.0 | 47.1 | 45.1 | 38.1 | 31.3 | 8.0 | 41.8 | 38.1 | .237 | 2.8 | 0.4 | 87 | 561 | — | — | 1.0 | 6 | 7 | 6 | 12 | — | 7.3 | 53 | 3.80 |
| Stonyhurst | 29.741 | 74.0 | 13.1 | 35.1 | 46.4 | 34.4 | 39.2 | 12.0 | 40.4 | 33.7 | .224 | 2.6 | 0.4 | 86 | 548 | 73.7 | — | 1.0 | 6 | 7 | 6 | 11 | — | 7.6 | 47 | 14.00 |
| Carlisle | 29.685 | 63.8 | 17.8 | 40.1 | 47.4 | 33.0 | 37.1 | 9.4 | 42.0 | 30.8 | .247 | 2.8 | 0.4 | 89 | 550 | 54.5 | 30.9 | 0.9 | 6 | 7 | 6 | 11 | 2.6 | 7.6 | 46 | 7.24 |

The highest temperatures of the air were at Stonyhurst, 74° 0; and at Truro and Rugby, 71° 0.
The lowest temperatures of the air were at Rugby, 1° 0; at Royston, 4° 3; and at Salisbury, 6° 0.
The greatest ranges of temperature were at Royston, 63° 8; at Salisbury, 63° 0; and at Oxford, 61° 9.
The least ranges of temperature were at Plymouth, 42° 0; at Torquay, 43° 8; and at Carlisle, 46° 0.
The greatest number of days of rain were at Truro, 62; at Guernsey, 58; and at Liverpool and Leeds, 53.
The least number of days of rain were at Barnet, 32; at Whitechurch, 33; and at Oxford, 34.
The greatest falls of rain were at Stonyhurst, 14 inches; at Truro, 12.44 inches; and at Guernsey, 10.26 inches.
The least falls of rain were at Blackheath, 3.28 inches; at the Royal Observatory, 3.44 inches; and at Camden Square, 3.50 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Readings of the Thermometer. | Mean of all Lowest Readings of the Thermometer. | Mean Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Cloud. | Number of Days it fell. | RAIN. Mean Amount collected. |
|-----------------------------------|--------|---|--|---|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|-----|-----------------------|-------------------------|---------------------------------|
| | | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | |
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - - - | in. | o | o | o | o | o | o | o | o | in. | grs. | gr. | gr. | grs. | o | o | o | o | | | | in. | | | |
| Between 50° and 51° | 29.741 | 68.3 | 33.0 | 45.9 | 50.8 | 42.1 | 28.4 | 8.1 | 45.9 | 42.6 | .279 | 3.2 | 0.4 | 89 | 544 | 83.4 | 35.8 | 1.1 | 7 | 7 | 5 | 12 | 2.9 | 6.9 | 58 | 10.26 |
| the 52° and 53° | 29.722 | 67.8 | 31.3 | 46.2 | 51.0 | 39.0 | 31.8 | 12.0 | 45.0 | 40.0 | .255 | 2.9 | 0.5 | 83 | 548 | 77.6 | 35.7 | 1.1 | 8 | 7 | 6 | 9 | - | 6.0 | 62 | 8.77 |
| latitudes 54° and 55° | 29.778 | 68.4 | 11.5 | 57.0 | 47.0 | 34.5 | 38.4 | 12.2 | 40.8 | 36.7 | .228 | 2.5 | 0.4 | 87 | 552 | 65.8 | 29.5 | 1.2 | 8 | 7 | 7 | 9 | 0.4 | 6.7 | 53 | 4.65 |
| Mean for the Quarter, 50° to 55° | 29.741 | 65.2 | 16.7 | 45.6 | 46.7 | 34.7 | 33.2 | 9.6 | 41.6 | 36.7 | .233 | 2.7 | 0.5 | 84 | 548 | 73.7 | 28.2 | 1.2 | 7 | 6 | 7 | 10 | 0.3 | 7.0 | 44 | 5.4 |
| | 29.719 | 68.9 | 16.5 | 52.4 | 46.9 | 36.2 | 33.1 | 10.7 | 41.5 | 36.4 | .236 | 2.7 | 0.4 | 87 | 549 | 54.1 | 30.9 | 0.6 | 6 | 7 | 6 | 11 | 2.6 | 7.6 | 47 | 10.65 |
| Year 1887 | 29.645 | 60.6 | 31.4 | 39.2 | 47.1 | 35.8 | 31.4 | 11.3 | 41.5 | 36.9 | .221 | 2.6 | 0.5 | 85 | 548 | 69.3 | 30.7 | 1.0 | 8 | 6 | 7 | 9 | 1.4 | 6.6 | 48 | 7.58 |
| " 1888 | 29.643 | 66.4 | 33.7 | 42.7 | 50.9 | 39.3 | 33.4 | 11.6 | 44.6 | 41.3 | .220 | 3.0 | 0.5 | 87 | 545 | 75.4 | 34.9 | 1.1 | 6 | 7 | 8 | 9 | 1.5 | 7.0 | 48 | 8.66 |
| " 1889 | 29.749 | 69.4 | 23.4 | 37.0 | 49.5 | 38.5 | 28.8 | 11.0 | 43.9 | 40.4 | .263 | 3.2 | 0.4 | 89 | 548 | 71.7 | 34.9 | 0.9 | 6 | 6 | 8 | 10 | 1.7 | 7.2 | 48 | 7.88 |
| " 1890 | 29.761 | 67.6 | 15.2 | 32.3 | 47.7 | 36.2 | 35.7 | 11.4 | 41.9 | 37.5 | .235 | 2.7 | 0.5 | 85 | 550 | 67.3 | 31.1 | 1.0 | 7 | 7 | 7 | 10 | 1.7 | 7.0 | 46 | 7.18 |

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING MARCH 31, 1891.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING MARCH 31ST, 1891.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in January was dry and very cold, with frequent fog and snow. It was a continuation of the very cold weather which set in on November 25th, and thus continued for 59 days. At Blackheath the mean temperature of many days was below the average by more than 10°, on the 10th the deficiency amounted to 18.3°, and on the 11th to nearly 15°; the temperature of the 17th, 18th, and 19th was more than 12° below the average. It was warm and above its average from the 23rd to the end of the month, being particularly mild and warm on the 24th, 28th, 29th, and 31st days, when it was 9° 3, 7° 3, 7° 5, and 7° respectively above its average. The atmospheric pressure was above its average till the 19th, particularly so from the 10th to the 15th, the mean daily excess for these 6 days being 0.68 in., then below from the 20th to the 24th, and above again from the 25th to the end of the month. The fall of rain was a little below its average, and vegetation was backward.

The weather in February was fine and dry, but with frequent fog. Snow fell at a few places on the 14th. The temperature of the air was generally above its average till the 8th, generally below from the 9th to the 26th, and above its average again on the 27th and 28th. The atmospheric pressure was above its average throughout the month, with the exception of the 26th, when it was 0.01 in. below; on several days varying from $\frac{1}{2}$ an inch to $\frac{3}{4}$ of an inch above its average. The fall of rain was exceedingly small all over the country; no rain fell at Oxford, and at several stations only 0.01 in. fell; at the Royal Observatory, Greenwich, only

The mean low night temperature of the air for January was $29^{\circ}1$, being $4^{\circ}7$ below the average of 50 years; it was $9^{\circ}1$, $3^{\circ}1$, and $4^{\circ}5$ lower than in 1890, 1889, and 1888 respectively; and there are only six instances of as low or lower minimum temperature back to the year 1841, viz. :—

| | | |
|---------------------------|---------------------------|---------------------------|
| 1881 it was $27^{\circ}3$ | 1879 it was $28^{\circ}0$ | 1861 it was $28^{\circ}7$ |
| 1880 „ $28^{\circ}1$ | 1867 „ $28^{\circ}5$ | 1841 „ $28^{\circ}4$ |

The mean low night temperature of the air for February was $31^{\circ}8$, being $2^{\circ}5$ below the average of 50 years; it was $1^{\circ}1$ lower than in 1890, $0^{\circ}1$ and $1^{\circ}0$ higher than in 1889 and 1888 respectively.

The mean low night temperature of the air for March was $34^{\circ}3$, being $0^{\circ}7$ below the average of 50 years; it was $1^{\circ}5$ lower than in 1890, and $0^{\circ}9$ and $1^{\circ}3$ higher than in 1889 and 1888 respectively.

The mean daily range for January was $9^{\circ}6$, being $0^{\circ}1$ larger than the average; in February it was $14^{\circ}5$, being $5^{\circ}5$ larger than the average; and in March it was $13^{\circ}4$, being $1^{\circ}3$ smaller than the average.

| 1891. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|------|----------------|--|--|-------|--|-------|--|-------|--|-------|---|-------|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | |
| | | Mean. | Diff. from ave- rage of 50 years. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. |
| Jan. - | 34.1 | 0 | 0 | 32.7 | -4.3 | 30.6 | -4.3 | 9.6 | 0 | 0 | in. | grs. | |
| Feb. - | 38.5 | -0.3 | 0.9 | 37.3 | -0.3 | 35.2 | 0.0 | 14.5 | +3.5 | .205 | 2.1 | -0.3 | |
| Mar. - | 40.3 | -0.8 | 1.2 | 37.3 | -1.8 | 33.6 | -2.2 | 13.4 | -1.3 | .193 | 2.3 | -0.1 | |
| Means - | 37.6 | -1.2 | -2.1 | 35.8 | -2.1 | 33.1 | -2.2 | 12.5 | +0.8 | .190 | 2.2 | -0.2 | |

| 1891. MONTHS. | | Degree of Humidity. | | Readings of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | | Reading of Thermometer on Grass. | | | |
|------------------|----|------------------------|--|---------------------------|--|--------------------------------------|--|---------|--|---|----------------------------|------------------------------------|----------------|---|--|
| | | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Amount. | Diff. from ave- rage of 76 years. | Miles. | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Jan. - | 87 | 0 | in. | in. | grs. | grs. | in. | in. | Miles. | 21 | 9 | 1 | 0 | 0 | |
| Feb. - | 88 | +3 | 29.961 | +2.00 | 562 | +8 | 1.55 | -0.31 | 302 | 17 | 11 | 0 | 12.0 | 44.1 | |
| Mar. - | 77 | -4 | 30.282 | +4.83 | 563 | +10 | 0.05 | -1.51 | 158 | 10 | 20 | 1 | 25.3 | 39.1 | |
| Means | 84 | 0 | 29.642 | -1.07 | 549 | -1 | 2.14 | +0.60 | 381 | Sum 48 | Sum 40 | Sum 2 | Lowest 12.0 | Highest 44.1 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|--------|----------|-------------------------|
| | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 1½ | + 2½ | 2 | 2½ | - ½ | 6 | 3 | + 3 |
| N. | 4 | 3½ | + ½ | 2 | 3 | - 1 | 3 | 4 | - 1 |
| N.E. | 5 | 3½ | + 1½ | 10 | 4 | + 6 | 8 | 4 | + 4 |
| E. | 2 | 2½ | + ½ | 2 | 2 | 0 | 1 | 3 | - 2 |
| S.E. | 3 | 3½ | - ½ | 2 | 1½ | + ½ | 1 | 2½ | - 1½ |
| S. | 5 | 4½ | + ½ | 1 | 3 | - 2 | 3 | 3 | 0 |
| S.W. | 6 | 9½ | - 3½ | 8 | 9 | - 1 | 6 | 8 | - 2 |
| W. | 2 | 4½ | - 2½ | 1 | 3 | - 2 | 3 | 3½ | - ½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in January are N.W., N.E., and E.; in February are N.E. and S.E.; and in March are N.W. and N.E.

The sign (-) denotes deficiencies below averages. In January this sign is opposite to S.W. and W., in February to S. and W.; and in March to S.W., S.E., and N.

The mean temperature of the air for January was $4^{\circ}3$ warmer than in December; in February it was $4^{\circ}4$ warmer than in January; and in March it was $1^{\circ}8$ warmer than in February.

(From the preceding 50 years' observations the decrease from December to January is $1^{\circ}4$ the increase from January to February is $1^{\circ}0$, and the increase from February to March is $2^{\circ}1$.)

From December to January there was an increase at all stations; at those south of 51° of $2^{\circ}5$; between 51° and 52° of $4^{\circ}0$; and at stations north of this parallel of $2^{\circ}8$.

From January to February there was an increase at all stations; at those south of 51° of $2^{\circ}9$; between 51° and 52° of $4^{\circ}7$; between 52° and 53° of $6^{\circ}4$; and at stations north of this parallel of $4^{\circ}6$.

From February to March there was a decrease at stations south of 51° of $1^{\circ}2$; between 51° and 52° there was an increase of $1^{\circ}0$; between 52° and 53° an increase of $0^{\circ}3$; and at stations north of this parallel a decrease of $1^{\circ}9$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of January was 29.961 ins., being 0.200 in. above the average of 50 years. It was 0.201 in. higher than in 1890, and 0.029 in. and 0.092 in. lower than in 1889 and 1888 respectively; and there were only 10 instances of as high or higher mean barometer reading back to the year 1841, viz. :—

| | | |
|----------------------|----------------------|----------------------|
| ins. | ins. | ins. |
| 1889 it was 29.990 | 1878 it was 29.979 | 1861 it was 30.011 |
| 1888 „ 30.053 | 1876 „ 30.095 | 1859 „ 30.037 |
| 1882 „ 30.185 | 1864 „ 30.044 | 1855 „ 29.998 |
| 1880 „ 30.204 | | |

The mean reading of the barometer for February was 30.282 ins., being 0.483 in. above the average of 50 years. It was 0.266 in., 0.564 in., and 0.505 in. higher than in 1890, 1889, and 1888 respectively, and there has been no instance of so high a mean reading back to the year 1841.

The mean reading of the barometer for March was 29.642 ins., being 0.107 in. below the average of 50 years. It was 0.023 in. and 0.162 in. lower than in 1890 and 1889 respectively, and 0.210 in. higher than in 1888.

From December to January there was an increase of atmospheric pressure at all stations, at those south of 51° of 0.19 in.; between 51° and 52° of 0.12 ; between 52° and 53° of 0.06 in.; and at stations north of this parallel there was no change.

From January to February there was an increase at all stations, at those south of 51° of 0.28 in., and at stations north of this parallel of 0.33 in.

From February to March there was a decrease at all stations, at those south of 51° of 0.60 in., and at stations north of this parallel of about 0.63 in.

About London the atmospheric pressure was above its average till January 19th, being particularly so from the 10th to the 15th, the mean daily excess for these six days being 0.68 in.; the mean daily excess for the 19 days being 0.41 in.; from January 20th to the 24th it was below, the mean daily deficiency being 0.32 in.; from January 25th to March 5th it was generally above, being particularly so from the 2nd to the 7th, and 13th to the 19th of February, the mean daily excess for these 13 days being 0.61 in., the mean daily excess for the 40 days ending March 5th was 0.36 in.; and from March 6th to the 31st it was below the mean daily deficiency, being 0.28 in.

Thunderstorms occurred in January on the 30th at Salisbury; and on the 31st at Whitechurch.

In March on the 26th at Osborne, Blackheath, Royal Observatory, Oxford, Halifax, and Stonyhurst.

Thunder was heard but lightning was not seen in January on the 22nd at Halifax.

In February on the 12th at Somerleyton.

In March on the 13th at Somerleyton; on the 25th at Halifax; and on the 26th at Osborne and Somerleyton.

Lightning was seen but thunder was not heard in January on the 24th at Halifax.

Solar halos were seen in January on the 4th at Torquay; on the 8th at Torquay and Oxford; on the 19th and 27th at Torquay; and on the 31st at Liverpool.

In February on the 12th at Liverpool; and on the 27th at Torquay.

In March on the 6th at Oxford; on the 9th at Halifax; on the 13th at Torquay and Oxford; on the 17th and 19th at Torquay; on the 23rd at Oxford; on the 24th at Oxford and Liverpool; on the 25th at Liverpool; and on the 28th at Liverpool and Halifax.

Lunar halos were seen in January on the 18th at Torquay and Liverpool; on the 19th at Torquay; on the 20th at Torquay; on the 21st at Hull; on the 22nd and 24th at Liverpool; on the 25th at Torquay; and on the 27th at Liverpool and Halifax.

In February on the 21st at Liverpool.

In March on the 16th at Oxford; and on the 18th and 23rd at Liverpool.

Snow fell in January on the 1st at Hereford; on the 2nd at Bath; on the 4th at Royston, Somerleyton, and in the Northern Counties; on the 5th at Blackheath, Royal Observatory, and in the Midland Counties; on the 6th at Guernsey, and in the Midland Counties; on the 7th at Guernsey, Whitechurch, Royston, Cambridge, Lowestoft, Somerleyton, Llandudno, and Hull; on the 8th at Guernsey, Torquay, and in the Midland and Northern Counties; on the 9th at Torquay, Oxford, Salisbury, Oxford, and Hereford; on the 14th at Lowestoft, Somerleyton, and Hull; on the 15th, 16th, and 17th it was a general fall throughout the country; on the 18th at Royston, Lowestoft, and Somerleyton; on the 19th at Torquay, and in the Midland and Northern Counties; on the 20th at Royston, Halifax, and Carlisle; on the 21st at Rugby, Lowestoft, Somerleyton, and in the Northern Counties; and on the 22nd at Royston, Rugby, Lowestoft, Halifax, and Stonyhurst.

In February on the 14th at Whitechurch, Blackheath, Royal Observatory, Royston, and Cambridge.

In March on the 2nd at Carlisle; on the 3rd at Royston, Leeds, and Stonyhurst; on the 7th at Halifax, Hull, and Carlisle; on the 8th at Torquay, Bath, Royston, and in the Northern Counties; on the 9th and 10th there was a great snow storm, with strong wind, the drifts in many places in the South of England were to the depth of 10 to 12 feet; on the 12th at Truro, Plymouth, Torquay, Osborne, and Bath; on the 13th at Torquay, Bath, and Halifax; on the 14th at Oxford, Rugby, Wolverhampton, Halifax, Leeds, and Stonyhurst; on the 15th at Torquay, Bath, Oxford, and Stonyhurst; on the 19th at Blackheath, Royal Observatory, Royston, Cambridge, Somerleyton, Halifax, and Hull; on the 20th at Torquay, and in the Midland and Northern Counties; on the 21st at Torquay, Bath, Blackheath, Royal Observatory, Oxford, Royston, Cambridge, Rugby, and Halifax; on the 22nd at Guernsey, Torquay, Bath, and Hereford; on the 23rd at Royston, Cambridge, and Halifax; on the 25th at Wolverhampton and Carlisle; on the 26th at Plymouth, Torquay, and in the Midland and Northern Counties; on the 27th at Torquay, Bath, Oxford, Royston, and in the Northern Counties; on the 28th at Hull; on the 29th at Royston, Cambridge, Halifax, and Hull; and on the 30th at Bath, Whitechurch, Royston, Hereford, Cambridge, Rugby, Somerleyton, Wolverhampton, Halifax, and Hull.

Hail fell in January on the 4th at Lowestoft and Halifax; on the 14th at Lowestoft; on the 16th at Lowestoft and Hull; on the 17th at Hull; on the 20th at Oxford; on the 21st at Liverpool and Halifax; on the 22nd at Halifax; on the 24th and 26th at Truro; and on the 31st at Royston.

In March on the 2nd at Stonyhurst and Carlisle; on the 3rd at Rugby and Carlisle; on the 7th at Oxford and Liverpool; on the 8th at Liverpool and Stonyhurst; on the 10th at Torquay, Blackheath, Royal Observatory, and Hull; on the 11th and 12th at Hull; on the 14th at Plymouth and Hereford; on the 16th at Halifax; on the 19th at Royston, Rugby, and Hull; on the 20th at Blackheath, Royal Observatory, Rugby, and Hull; on the 21st at Royston; on the 23rd at Stonyhurst; on the 25th at Guernsey, Halifax, and Carlisle; on the 26th at Guernsey, Torquay, and in the Midland and Northern Counties; on the 27th at Guernsey, Royston, Rugby, Liverpool, and Stonyhurst; on the 28th at Torquay and Hull; on the 29th at Royston, Cambridge, Hull, and Leeds; and on the 30th at Torquay, Osborne, Royston, and Hull.

Fog prevailed in January on the 1st at Torquay, Bath, Oxford, and Rugby; on the 2nd and 3rd at Truro, Torquay, and in the Midland and Northern Counties; on the 4th at Blackheath, Royal Observatory, Oxford, Rugby, and Somerleyton; on the 7th and 9th at Oxford; on the 10th at Oxford and Somerleyton; on the 11th at Blackheath, Royal Observatory, Oxford, Cambridge, Lowestoft, and Somerleyton; on the 12th at Somerleyton and Stonyhurst; on the 13th at Lowestoft, and in the Midland Counties; on the 20th at Wolverhampton; on the 22nd at Torquay; on the 23rd at Bath and Lowestoft; on the 26th at Lowestoft; on the 27th at Torquay, Bath, and Oxford; on the 28th at Torquay and Lowestoft; and on the 29th at Hull and Stonyhurst.

In February on the 2nd at Plymouth; on the 3rd at Plymouth and Somerleyton; on the 4th at Plymouth, Bath, Stonyhurst, and Carlisle; on the 5th at Plymouth, Torquay, Osborne, Whitechurch, Blackheath, Royal Observatory, Oxford, and Cambridge; on the 8th at Plymouth, Osborne, and in the Midland Counties; on the 9th at Bath and Cambridge; on the 10th at Bath, Somerleyton; on the 11th at Guernsey; on the 12th at Oxford; on the 16th at Plymouth and Oxford; on the 17th at Bath, Oxford, Cambridge, and Rugby; on the 18th at Torquay, Bath, Whitechurch, Oxford, Royston, Cambridge, Rugby, Somerleyton, Wolverhampton, and Leeds; on the 19th at Plymouth, Torquay, Bath, Oxford, Royston, Cambridge, Rugby, Somerleyton, Wolverhampton, Halifax, Bradford, Leeds, and Stonyhurst; from the 21st to the 25th at Guernsey, Torquay, and in the Midland and Northern Counties; on the 26th at Whitechurch, Blackheath, Royal Observatory, Oxford, Cambridge, Wolverhampton, Halifax, Bradford, Leeds, and Carlisle; on the 27th at Oxford, Wolverhampton, Halifax, Bradford, Leeds, and Carlisle; and on the 28th at Blackheath, Royal Observatory, Oxford, and Leeds.

In March on the 1st at Guernsey and Bath; on the 8th at Guernsey; on the 9th and 10th at Torquay; on the 17th at Bath, Cambridge, and Rugby; on the 18th at Bath and Somerleyton; and on the 26th at Blackheath and Royal Observatory.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING MARCH 31ST, 1891.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1891. | Month. | Height of Station Above Sea Level. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | Vapour. | | | Mean Weight of a Cubic Foot of Air. | Mean Degree of Humidity. | Mean Reading of Thermometer. | | | Wind. | | | Mean Amount of Cloud. | Rain. | | | |
|---|--------|---------------------------------------|----------------------------------|--------|------------|------------------------------|----------|--------|-------------------|-----------------|----------------|-------|--|-----------------------------|------------------------------|----------------------|----------------------|------------|--------|------------|--------------------------|-------|--------|------------|--------|
| | | | Mean. | Range. | Direction. | Lowest. | Highest. | Range. | | Of All Heights. | Of All Lowest. | Mean. | | | Short of Saturation. | Maximum in Shade. | Minimum on Grass. | Direction. | Force. | Direction. | | | Force. | Direction. | Force. |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| from the seventh edition of his <i>Hygrometrical Tables</i> . | | | | | | | | | | | | | | | | | | | | | | | | | |

[illegible]

The highest temperatures of the air were at Barnstaple, $67^{\circ} \cdot 5$; at Llandudno, 67° ; and at Truro, $65^{\circ} \cdot 0$.

The lowest temperatures of the air were at Cambridge and Somerleyton, $4^{\circ}\cdot 0$; and at Rugby, $6^{\circ}\cdot 4$.

The greatest ranges of temperature were at Cambridge, $59^{\circ}\cdot 8$; at Somerleyton, $59^{\circ}\cdot 0$; and at Rugby, $57^{\circ}\cdot 4$.

The least ranges of temperature were at Guernsey, $34^{\circ} \cdot 6$; at Liverpool, $36^{\circ} \cdot 3$; and at Plymouth, $37^{\circ} \cdot 0$.

The greatest number of days of rain were at Somerleyton, 48; and at Guernsey and Hull, 44.

The least number of days of rain were at Barnet, 19; at Barnstaple, 23; and at Osborne, 24.

The greatest falls of rain were at Bath, 7.88 inches : at Truro, 7.52 inches : and at Torquay, 6.92 inches.

The greatest falls of rain were at Bath, 7.88 inches; at Truro, 7.52 inches; and at Torquay, 6.92 inches. The least falls of rain were at Liverpool, 2.04 inches; at Leeds, 2.31 inches; and at Carlisle, 2.72 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer. | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Temper- ature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Days of Sum- mer. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. Relative Pro- portion of | | | | RAIN. | | | | |
|--|-------------|---|---|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|--------------------------------------|----|----|----|----------------------|-----------------------|---------------------------------|----------------------------|-----|
| | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | Mean Amount of Snow. | Mean Amount of Cloud. | Mean Number of Days it fell. | Mean Amount (in- ches). | |
| Guernsey | - | 29.937 | 60.3 | 25.7 | 34.8 | 46.5 | 38.0 | 25.4 | 8.5 | 41.9 | 38.3 | 6 | 234 | 2.5 | 0.4 | 88 | 52 | 82.6 | 3.5 | 0.9 | 7 | 7 | 8 | 8 | 3.0 | 5.5 | 44 | 6.0 |
| Between the latitudes | 50° and 51° | 29.966 | 61.7 | 17.0 | 44.8 | 47.0 | 34.3 | 38.6 | 12.7 | 40.6 | 36.6 | 0 | 212 | 2.5 | 0.5 | 85 | 56 | 82.6 | 3.1 | 1.0 | 8 | 7 | 7 | 8 | 4.5 | 4.8 | 34 | 6.0 |
| | 51° and 52° | 29.951 | 62.0 | 12.2 | 46.8 | 44.1 | 31.3 | 38.6 | 13.3 | 37.7 | 33.3 | 0 | 200 | 2.3 | 0.4 | 86 | 56 | 79.9 | 2.6 | 1.2 | 8 | 6 | 6 | 9 | 1.1 | 5.9 | 30 | 4.0 |
| | 52° and 53° | 29.944 | 62.6 | 8.7 | 53.9 | 44.3 | 30.7 | 40.8 | 12.3 | 37.1 | 33.1 | 0 | 189 | 2.3 | 0.6 | 86 | 58 | 71.6 | 2.5 | 1.2 | 8 | 5 | 7 | 10 | 0.2 | 6.3 | 37 | 3.2 |
| | 53° and 54° | 29.962 | 58.2 | 14.6 | 43.4 | 44.1 | 33.6 | 32.0 | 10.6 | 33.8 | 33.0 | 0 | 194 | 2.2 | 0.6 | 86 | 54 | 62.4 | 2.8 | 1.1 | 7 | 5 | 7 | 11 | — | 6.6 | 31 | 3.0 |
| | 54° and 55° | 29.860 | 59.4 | 14.2 | 45.2 | 45.5 | 37.3 | 34.8 | 12.3 | 39.0 | 33.5 | 0 | 205 | 2.4 | 0.5 | 86 | 54 | 72.6 | 2.7 | 1.0 | 7 | 5 | 8 | 13 | 2.6 | 6.9 | 32 | 4.2 |
| Mean for the Quarter, 50° to 55° | Year 1888 | 29.944 | 55.6 | 17.5 | 53.8 | 47.4 | 32.2 | 33.4 | 12.0 | 37.7 | 33.3 | 0 | 165 | 2.1 | 0.4 | 85 | 55 | 69.2 | 2.0 | 1.4 | 9 | 7 | 6 | 9 | 1.8 | 7.5 | 45 | 5.6 |
| | " 1889 | 29.899 | 61.1 | 11.8 | 40.3 | 44.8 | 33.1 | 34.4 | 16.1 | 41.1 | 36.3 | 0 | 204 | 2.4 | 0.4 | 86 | 55 | 78.1 | 3.1 | 0.9 | 9 | 7 | 6 | 10 | 1.4 | 7.2 | 45 | 5.9 |
| | " 1891 | 29.721 | 61.6 | 19.2 | 42.7 | 43.3 | 35.9 | 33.0 | 11.1 | 41.5 | 37.8 | 0 | 229 | 2.6 | 0.4 | 86 | 56 | 77.7 | 3.2 | 1.2 | 6 | 6 | 8 | 10 | 2.3 | 6.7 | 48 | 6.6 |
| | | 29.925 | 60.8 | 13.4 | 47.4 | 45.1 | 32.5 | 36.3 | 12.6 | 38.6 | 33.2 | 0 | 200 | 2.3 | 0.5 | 89 | 56 | 73.8 | 2.7 | 1.0 | 8 | 6 | 8 | 10 | 2.0 | 6.7 | 32 | 4.0 |

METEOROLOGY OF ENGLAND.

DURING THE QUARTER ENDING JUNE 30, 1891.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING JUNE 30TH, 1891.

By JAMES GLAISHER, ESQ., F.R.S., &c.

The weather in April was dry and very cold, throughout. The temperature of the air was below its average on nearly every day. The atmospheric pressure was above its average from the 9th to the 26th, and below on all other days. The fall of rain was small. The prevalent winds were E. and N.E. Owing to the cold winds and low temperature vegetation at the end of the month was very backward.

The weather in May was very changeable, but was mostly cold and unseasonable. The temperature of the air was generally below its average till the 10th day, when a sudden change to warmer weather took place, the 11th, 12th, 13th, and 14th days being above their average mean temperature, that on the 13th as much as 11° , when another sudden change took place to colder weather, the mean temperature of the 16th, 17th, and 18th days being as much as $12\frac{1}{2}^{\circ}$, 14° , and $13\frac{3}{4}^{\circ}$ below their averages, and the weather continued cold to the end of the month. On the 13th the temperature about London was about 80° ; on the morning of the 18th, the temperature fell below 32° , and there was frost over the greater part of England, and the temperature about London did not rise so high as 50° . The atmospheric pressure was below its average till the 3rd day and from the 15th, and was above, with the exception of the 9th and 10th, from the 4th to the 14th. On the 18th it was as much as $0^{\circ}\cdot62$ below the average for the day. The fall of rain was above the average, it fell on every day from the 18th to the end of the month. The most remarkable circumstance in the month was the fall of snow on the 15th, 16th, 17th, and 18th days following so soon after the hot weather of the 11th to the 14th; the snow fell at nearly all stations from Torquay in the south to Carlisle in the north. Small in quantity at southern stations, but to the depth of two to six or more inches in the midland, eastern, and northern counties. Vegetation at the end of the month was very backward.

The weather in June for the most part was bright, warm, dry, and seasonable. The temperature of the air was above its average till the 5th day, below from the 6th to the 16th, and above again from the 17th to the end of the month. The atmospheric pressure was below its average till the 10th, above from the 11th to the 22nd, and below again from the 23rd to the 30th. The fall of rain was small and below its average. There have been only 13 instances of as small or smaller fall of rain in the month of June back to the year 1815, viz. :—

| | in. | | in. | | in. |
|-------------|------|-------------|------|-------------|------|
| 1886 it was | 0.44 | 1855 it was | 0.70 | 1827 it was | 0.70 |
| 1877 " | 0.70 | 1850 " | 0.90 | 1825 " | 0.80 |
| 1870 " | 0.39 | 1849 " | 0.30 | 1822 " | 0.90 |
| 1868 " | 0.50 | 1846 " | 0.50 | 1818 " | 0.70 |
| 1864 " | 0.00 | | | | |

The month was favourable for agriculture, but from the preceding long continued cold weather, crops were generally backward, and hay-making at the end of the month had not begun.

About London the mean daily temperature of the air was generally below its average from April 1st till the 6th of May; the mean daily deficiency for these 36 days being $3^{\circ} \cdot 2$; from May 7th to the 12th it was above, particularly so on the 13th when it was $10^{\circ} \cdot 9$ in excess of the average, the mean daily excess for these 8 days being $3^{\circ} \cdot 5$; from May 16th to the 30th it was below its average, being particularly so on the 16th, 17th, 18th, and 25th days, when the deficiency was as much as $12^{\circ} \cdot 5$, $14^{\circ} \cdot 0$, $13^{\circ} \cdot 7$, and $12^{\circ} \cdot 5$ respectively; the mean daily deficiency for these 16 days being $8^{\circ} \cdot 0$; from May 31st to June 5th it was above the mean daily excess, being $2^{\circ} \cdot 0$; from June 6th to the 16th it was generally below, the mean daily deficiency being $2^{\circ} \cdot 9$; and from the 17th to the end of the month it was generally above, the mean daily excess being $3^{\circ} \cdot 2$.

The mean temperature of the air for April was $44^{\circ} \cdot 2$, being $1^{\circ} \cdot 9$ and $2^{\circ} \cdot 7$ below the average of 120 and 50 years respectively; it was $1^{\circ} \cdot 4$ and $1^{\circ} \cdot 5$ lower than in 1890, and 1889 respectively, and $0^{\circ} \cdot 8$ higher than in 1888.

The mean temperature of the air for May was $50^{\circ} \cdot 3$, being $2^{\circ} \cdot 2$ and $2^{\circ} \cdot 3$ below the average of 120 and 50 years respectively. It was $4^{\circ} \cdot 5$, $6^{\circ} \cdot 2$, and $2^{\circ} \cdot 7$ lower than in 1890, 1889, and 1888 respectively, and there were only nine instances of as low or lower temperature back to the year 1841, viz.:—

| | | |
|------------------|------------------|------------------|
| 1887 it was 49.8 | 1877 it was 48.9 | 1856 it was 49.5 |
| 1885 " 49.9 | 1876 " 49.4 | 1855 " 48.8 |
| 1879 " 48.4 | 1866 " 50.1 | 1845 " 40.4 |

The mean temperature of the air for June was $60^{\circ} \cdot 4$, being $2^{\circ} \cdot 1$ and $1^{\circ} \cdot 5$ above the average of 120 and 50 years respectively; it was $2^{\circ} \cdot 3$ higher than in 1890, $1^{\circ} \cdot 0$ lower than in 1889, and $2^{\circ} \cdot 1$ higher than in 1888.

The mean high day temperature of the air for April was $53^{\circ} \cdot 6$, being $3^{\circ} \cdot 6$ below the average of 50 years; it was $1^{\circ} \cdot 4$ and $1^{\circ} \cdot 1$ lower than in 1890 and 1889, and $1^{\circ} \cdot 0$ higher than in 1888; and there were only three instances of as low or lower temperature back to the year 1841, viz. :

1888 it was $52^{\circ}.6$ | 1879 it was $52^{\circ}.6$ | 1849 it was $52^{\circ}.5$

The mean high day temperature of the air for May was 61°·4, being 2°·8 below the average of 50 years; it was 4°·9, 5°·8, and 6°·5 lower than in 1890, 1889, and 1888 respectively; and there were only eleven instances of as low or lower temperature back to 1841, viz.:—

| | | |
|-------------------|-------------------|-------------------|
| 1887 it was 59°·0 | 1869 it was 60°·7 | 1855 it was 59°·9 |
| 1885 " 60°·3 | 1866 " 61°·4 | 1851 " 61°·4 |
| 1879 " 58°·4 | 1857 " 57°·1 | 1845 " 59°·6 |
| 1877 " 59°·3 | 1856 " 59°·2 | |

The mean high day temperature of the air for June was 72°·2, being 1°·4 above the average of 50 years; it was 3°·0 higher than in 1890, 0°·7 lower than in 1889, and 3°·0 higher than in 1888.

The mean low night temperature of the air for April was 36°·2, being 2°·7 below the average of 50 years; it was 1°·6, 2°·7, and 0°·1 lower than in 1890, 1889, and 1888 respectively; and there were only four instances of as low or lower temperature back to the year 1841, viz.:—

| | |
|-------------------|-------------------|
| 1887 it was 35°·3 | 1860 it was 35°·6 |
| 1861 " 39°·0 | 1852 " 34°·2 |

| Temperature of | | | | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|---------------------------------|--------------|---------------------------------|------------|---------------------------------|------------------|---------------------------------|-------|---------------------------------|-------|---------------------------------|--------------------------|--|--|--|
| 1891. MONTHS. | Air. | | Evaporation. | | Dew Point. | | Air—Daily Range. | | | | | | | | | |
| | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | | | | |
| | ° | ° | ° | ° | ° | ° | ° | ° | in. | in. | grs. | grs. | | | | |
| April - | 44·2 | -1·9 | -2·7 | 39·2 | -4·5 | 36·9 | -3·4 | 17·4 | -0·9 | ·219 | ·0032 | 2·5 | -0·4 | | | |
| May - | 50·3 | -2·2 | -2·3 | 47·0 | -1·9 | 43·5 | -1·5 | 19·7 | -0·7 | ·283 | ·0016 | 3·2 | -0·2 | | | |
| June - | 60·4 | +2·1 | +1·5 | 50·1 | +1·5 | 52·4 | +1·7 | 20·9 | -0·1 | ·364 | +·003 | 4·4 | +0·2 | | | |
| Means - | 51·6 | -0·7 | -1·2 | 45·4 | -1·6 | 44·3 | -1·1 | 19·3 | -0·6 | ·299 | -·008 | 3·4 | -0·1 | | | |

| 1891. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------|---------------------------------|-----------------------|---------------------------------|--------------------------------|---------------------------------|----------|---------------------------------|---------------------------------------|----------------------------------|----------------------|--------------------------|---------------------------|--------------|
| | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Amount. | Diff. from average of 76 years. | | Number of Nights it was | | Lowest Reading at Night. | Highest Reading at Night. | |
| | | | | | | | | | | At or below 30°. | Between 30° and 40°. | | | Above 40°. |
| | | | | | | | | | | | | | | |
| April - | 76 | -4 | in. 29·783 | +·052 | grs. 544 | +5 | in. 0·72 | in. -1·02 | Miles. 263 | 10 | 19 | 1 | ° 25·9 | ° 43·5 |
| May - | 78 | -1 | 29·07 | -1·78 | 537 | -3 | 2·69 | +0·62 | 246 | 1 | 16 | 14 | 28·0 | 46·4 |
| June - | 75 | 0 | 29·841 | +0·030 | 530 | -2 | 0·96 | -1·03 | 244 | 0 | 4 | 26 | 37·4 | 57·0 |
| Means - | 76 | -2 | 29·747 | -·032 | 538 | 0 | Sum 4·37 | Sum -1·43 | Mean 251 | Sum 11 | Sum 39 | Sum 41 | Lowest 25·9 | Highest 57·0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|-----------------------|--------|----------|-------------------------------|-------|----------|-------------------------------|-------|----------|-------------------------------|
| | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 4½ | -½ | 4 | 1½ | +2½ | 4 | 2½ | +1½ |
| N. | 4 | 3 | +1 | 5 | 4½ | +½ | 4 | 3½ | +½ |
| N.E. | 11 | 3½ | +7½ | 6 | 7½ | -1½ | 8 | 3½ | +4½ |
| E. | 2 | 2½ | -½ | 2 | 2½ | -½ | 2 | 2½ | -½ |
| S.E. | 2 | 3½ | -1½ | 1 | 1½ | -½ | 3 | 1½ | +1½ |
| S. | 1 | 2½ | -1½ | 4 | 2½ | +1½ | 2 | 2½ | -½ |
| S.W. | 5 | 6½ | -1½ | 7 | 8½ | -1½ | 4 | 10 | -6 |
| W. | 1 | 4 | -3 | 2 | 2½ | -½ | 3 | 4 | -1 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in April are N.E. and N.; in May are N.W., S., and N.; and in June are N.E., N.W., and S.E.

The sign (-) denotes deficiencies below averages; the numbers affected by this sign in April are W., S.W., S., and S.E.; in May are N.E., S.W., and S.E.; and in June are S.W., W., S., and E.

The mean low night temperature of the air for May was 41°·7, being 2°·1 below the average of 50 years; it was 2°·7, 6°·2, and 4°·1 lower than in 1890, 1889, and 1888 respectively; and there were only seven instances of as low or lower temperature back to 1841, viz.:—

| | | |
|-------------------|-------------------|-------------------|
| 1885 it was 41°·3 | 1876 it was 39°·2 | 1866 it was 40°·8 |
| 1879 " 40°·1 | 1874 " 40°·7 | 1855 " 40°·5 |
| 1877 " 41°·4 | | |

The mean low night temperature of the air for June was 51°·3, being 1°·5 above the average of 50 years; it was 1°·7 higher than in 1890, 0°·4 lower than in 1889, and 1°·4 higher than in 1888.

The mean daily range for April was 17°·4, being 0°·9 smaller than the average; in May it was 19°·7, being 0°·7 smaller than the average; and in June it was 20°·9, being 0°·1 smaller than the average.

The mean temperature of the air for April was 3°·9 warmer than in March; in May it was 6°·1 warmer than in April; and in June it was 1°·0 warmer than in May.

(From the preceding 50 years' observations the increase from March to April is 5°·4, from April to May 5°·7, and from May to June 6°·3.)

From March to April there was an increase of temperature at all stations; at those south of 51° of 4°·1; between 51° and 52° of 3°·8; between 52° and 53° of 2°·9; and at stations north of this parallel of 3°·5.

From April to May there was an increase of 4°·9 at stations south of 51°; and of about 5°·8 at stations north of this parallel.

From May to June there was an increase of 8°·4 at stations south of 51°, between 51° and 52° of 9°·6, and north of this parallel of 9°·2.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of April was 29°·793 ins., being 0°·052 in. above the average of 50 years. It was 0°·149 in., 0°·243 in., and 0°·086 in. higher than in 1890, 1889, and 1888 respectively.

The mean reading of the barometer for the month of May was 29°·607 ins., being 0°·178 in. below the average of 50 years. It was 0°·059 in., 0°·055 in., and 0°·272 in. lower than in 1890, 1889, and 1888 respectively, and there has been no instance of so low a mean barometer reading back to the year 1841.

The mean reading of the barometer for June was 29°·841 ins., being 0°·030 in. above the average of 50 years. It was 0°·017 in. higher than in 1890, 0°·013 in. lower than in 1889, and 0°·089 in. higher than in 1888.

From March to April there was an increase of atmospheric pressure at all stations, at those south of 51° of 0°·10 in.; and at stations north of this parallel of about 0°·17 in.

From April to May there was a decrease at all stations, at those south of 51° of 0°·16 in., between 51° and 52° of 0°·18 in.; between 52° and 53° of 0°·20 in.; and at stations north of this parallel of 0°·22 in.

From May to June there was an increase at all stations, at those south of 52° of 0°·22 in., between 52° and 53° of 0°·25 in., and at stations north of this parallel of 0°·27 in.

About London the atmospheric pressure was below its average till April 8th, the mean daily deficiency being 0°·18 in.; from the 9th to the 26th it was above, the mean daily excess being 0°·21 in.; from April 27th to May 3rd it was below, the mean daily deficiency being 0°·23 in.; from May 4th to the 14th it was generally above, the mean daily excess being 0°·04 in.; from May 15th to June 10th it was below, particularly so on the 18th and 21st of June when it was as much as 0°·62 and 0°·53 in. respectively below, the mean daily deficiency for these 27 days being 0°·20 in.; from June 11th to the 22nd it was above, the mean daily excess being 0°·25 in.; and from June 23rd to the end of the month it was below, the mean daily deficiency being 0°·11 in.

Thunderstorms occurred in April on the 6th at Oxford; and on the 7th at Halifax.

In May on the 2nd at Royston; on the 15th at Somerleyton, Halifax, and Stonyhurst; on the 20th at Halifax; on the 23rd at Royston and Halifax; on the 24th at Torquay and Tottenham; and on the 27th at Halifax.

In June on the 1st at Torquay, Bath, Blackheath, and Royal Observatory; on the 2nd at Cambridge; on the 3rd at Wolverhampton; on the 4th at Royston, Rugby, and Wolverhampton; on the 5th at Hereford; on the 15th at Oxford, Royston, Cambridge, and Somerleyton; on the 23rd at Somerleyton; on the 24th at Osborne, Bath, Whitechurch, Oxford, Hereford, Llandudno, Liverpool, Halifax, Leeds, and Stonyhurst; and on the 25th at Royston, Hereford, Cambridge, Rugby, Somerleyton, Wolverhampton, Liverpool, and Halifax.

Thunder was heard but lightning was not seen in April on the 5th at Cambridge; and on the 6th at Hereford and Rugby.

In May on the 2nd at Cambridge and Somerleyton; on the 4th at Royston; on the 14th at Somerleyton; on the 15th at Osborne, Royston, and Leeds; on the 17th at Cambridge; on the 19th at Hereford, Cambridge, and Carlisle; on the 23rd at Cambridge and Stonyhurst; on the 25th at Wolverhampton; and on the 27th at Hereford and Wolverhampton.

In June on the 1st at Guernsey and Hereford; on the 2nd at Royston, Rugby, Somerleyton, and Wolverhampton; on the 3rd at Oxford and Rugby; on the 4th at Royston and Cambridge; on

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | | | |
|--------------------|---|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|------|-----|-----|-----------------------|-----------------------|----------------------------------|-------------------|-----|-----|------|------|
| | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | Number of Days on which it fell. | Amount collected. | | | | |
| | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | | |
| Guernsey | 29.623 | 73.2 | 34.3 | 35.9 | 56.7 | 45.4 | 28.4 | 11.3 | 30.0 | 46.1 | 31.6 | 3.0 | 0.5 | 87 | 538 | 110.2 | 37.8 | 0.7 | 8 | 10 | 5 | 8 | 2.5 | 6.8 | 45 | 6.63 | |
| Truro | 29.600 | 78.0 | 31.0 | 47.0 | 52.4 | 44.6 | 38.3 | 17.8 | 32.6 | 43.3 | 35.1 | 3.2 | 1.3 | 71 | 539 | — | — | 1.8 | 8 | 5 | 10 | 8 | — | 4.8 | 4.4 | 7.60 | |
| Torquay | 29.625 | 78.0 | 31.1 | 46.9 | 58.0 | 44.9 | 35.6 | 13.1 | 30.2 | 45.0 | 30.5 | 3.4 | 0.9 | 83 | 537 | 111.6 | 41.5 | 1.2 | 8 | 9 | 6 | 7 | 5.4 | 6.1 | 46 | 9.14 | |
| Eastbourne | 29.613 | 75.3 | 30.8 | 44.6 | 58.3 | 45.1 | 35.9 | 13.2 | 30.5 | 43.8 | 29.1 | 3.4 | 0.9 | 78 | 545 | 115.9 | 41.4 | 0.3 | 10 | 7 | 6 | 8 | 1.2 | 6.3 | 35 | 5.59 | |
| Osborne | 29.587 | 83.8 | 28.8 | 55.0 | 61.6 | 44.2 | 43.1 | 17.4 | 31.4 | 47.5 | 35.3 | 3.7 | 0.6 | 87 | 538 | 109.6 | 41.1 | 0.7 | 7 | 7 | 8 | 8 | — | 5.7 | 3.2 | 4.81 | |
| Barnstaple | — | 80.0 | 30.4 | 49.3 | 59.8 | 44.5 | 39.8 | 15.3 | 51.2 | 43.6 | 28.8 | 3.1 | 1.77 | 548 | — | — | — | 1.1 | 5 | — | — | — | — | 3.7 | 86 | 5.38 | |
| Bath | 29.625 | 77.1 | 38.1 | 49.0 | 67.3 | 42.8 | 37.2 | 15.0 | 48.7 | 43.6 | 28.8 | 3.3 | 0.7 | 89 | 533 | 112.2 | — | 1.0 | 11 | 6 | 6 | 8 | — | 5.1 | 37 | 4.38 | |
| Whitechurch | 29.6-8 | 80.0 | 25.0 | 45.0 | 62.7 | 42.8 | 43.1 | 20.3 | 31.4 | 43.1 | 23.5 | 3.3 | 1.1 | 74 | 54 | 97.0 | — | — | — | — | — | — | — | — | — | — | |
| Royal Observatory | 29.622 | 84.3 | 29.0 | 55.3 | 62.7 | 42.8 | 43.1 | 20.3 | 31.4 | 43.1 | 23.5 | 3.3 | 1.1 | 75 | 543 | 108.6 | 39.3 | — | — | — | — | — | — | 2.6 | 6.8 | 37 | 4.87 |
| Blackheath | 29.624 | 83.3 | 27.0 | 53.3 | 61.4 | 42.3 | 42.7 | 19.1 | 30.7 | 42.8 | 23.1 | 3.2 | 1.1 | 75 | 540 | 108.7 | — | 1.4 | 10 | 7 | — | — | — | 6.0 | 4.4 | 4.59 | |
| Camden Square | 29.644 | 80.9 | 28.1 | 42.1 | 61.9 | 43.9 | 40.9 | 18.0 | 31.5 | 47.0 | 29.1 | 3.3 | 1.1 | 75 | 543 | 100.5 | 39.4 | — | 10 | 8 | 6 | 6 | — | 6.2 | 38 | 4.71 | |
| Tottenham | 29.620 | 80.0 | 29.0 | 50.1 | 60.6 | 44.4 | 39.6 | 16.2 | 30.8 | 44.2 | 29.8 | 3.4 | 0.9 | 79 | 542 | — | 42.5 | 1.0 | 10 | 7 | 4 | 10 | — | 6.7 | 43 | 5.34 | |
| Barnet | 29.614 | 78.8 | 21.5 | 57.3 | 60.8 | 40.2 | 45.1 | 20.6 | 49.8 | 44.7 | 30.1 | 3.4 | 0.7 | 84 | 540 | 117.1 | 32.5 | 0.6 | 8 | 8 | 5 | 9 | — | 6.3 | 32 | 4.65 | |
| Oxford | 29.626 | 76.2 | 25.9 | 50.3 | 59.1 | 42.9 | 38.9 | 16.2 | 30.8 | 44.6 | 30.2 | 3.4 | 0.9 | 79 | 543 | 103.2 | 38.4 | 2.3 | 9 | 7 | 7 | 7 | 3.6 | 6.7 | 37 | 5.15 | |
| Royston | 29.581 | 80.7 | 27.1 | 53.6 | 61.6 | 41.6 | 42.6 | 30.0 | 50.0 | 44.4 | 34.4 | 3.4 | 0.8 | 82 | 539 | — | — | — | 11 | 7 | 5 | 7 | — | — | 6.3 | 39 | 5.75 |
| Hereford | 29.578 | 80.3 | 25.9 | 54.4 | 62.0 | 41.6 | 41.2 | 15.3 | 49.4 | 41.0 | 28.2 | 3.0 | 1.1 | 73 | 539 | 110.5 | 25.5 | — | 1.6 | 8 | 8 | 5 | — | — | 7.8 | 46 | 9.19 |
| Cambridge | 29.549 | 81.0 | 21.5 | 55.4 | 62.2 | 41.7 | 41.9 | 20.4 | 50.3 | 46.3 | 32.1 | 3.6 | 0.6 | 84 | 542 | 121.3 | — | — | 1.3 | 8 | 6 | 8 | — | — | 6.6 | 41 | 5.82 |
| Somerleyton | 29.622 | 77.0 | 28.0 | 49.0 | 56.0 | 43.8 | 39.3 | 13.2 | 45.0 | 43.3 | 28.7 | 3.3 | 0.7 | 85 | 544 | — | — | — | 1.3 | 9 | 5 | 7 | — | — | 6.3 | 40 | 5.85 |
| Wolverhampton | 29.604 | 75.2 | 28.1 | 49.1 | 57.5 | 40.9 | 36.7 | 16.5 | 47.7 | 41.7 | 27.2 | 3.1 | 0.8 | 80 | 537 | — | — | — | — | 9 | 7 | 5 | — | — | 8.1 | 36 | 8.21 |
| Nottingham | 29.615 | 75.1 | 25.2 | 49.9 | 57.0 | 42.1 | 36.8 | 14.9 | 48.2 | 40.6 | 26.0 | 3.0 | 0.9 | 76 | 541 | 93.5 | 40.1 | 0.6 | 11 | 7 | 4 | 8 | 0.3 | 6.2 | 51 | 6.86 | |
| Llandudno | 29.633 | 73.6 | 31.0 | 41.6 | 55.8 | 44.3 | 31.1 | 11.5 | 49.5 | 41.4 | 26.5 | 3.0 | 1.0 | 74 | 542 | — | — | — | 1.0 | 8 | 10 | 4 | 8 | — | 6.1 | 40 | 6.74 |
| Liverpool | 29.625 | 75.7 | 30.6 | 45.1 | 56.4 | 44.2 | 32.6 | 12.2 | 49.0 | 41.4 | 26.0 | 3.0 | 1.0 | 76 | 541 | — | — | — | — | 11 | 6 | 5 | 8 | — | 7.1 | 14 | 8.07 |
| Halifax | 29.711 | 78.0 | 26.3 | 51.7 | 57.4 | 40.2 | 30.5 | 17.2 | 46.9 | 40.4 | 25.6 | 2.9 | 0.8 | 78 | 541 | 94.0 | 35.7 | 0.7 | 6 | 12 | 5 | 7 | — | — | 7.5 | 42 | 7.34 |
| Hull | 29.667 | 81.0 | 23.0 | 54.0 | 62.9 | 40.6 | 44.0 | 15.3 | 48.1 | 41.6 | 26.4 | 3.1 | 0.8 | 80 | 546 | 100.8 | 37.3 | 1.3 | 8 | 10 | 5 | 7 | — | — | 6.5 | 42 | 6.26 |
| Bradford | 29.633 | 74.1 | 28.5 | 47.5 | 55.1 | 42.3 | 33.3 | 13.0 | 48.5 | 40.4 | 26.1 | 3.0 | 1.0 | 75 | 538 | 92.5 | — | — | — | — | — | — | — | — | 7.8 | 43 | 5.97 |
| Leeds | 29.631 | 74.0 | 28.0 | 49.0 | 58.3 | 43.4 | 37.3 | 14.9 | 48.6 | 41.7 | 27.1 | 3.1 | 1.0 | 75 | 542 | — | — | — | 1.6 | 8 | 8 | 6 | — | — | 7.3 | 41 | 6.70 |
| Stonycroft | 29.669 | 77.9 | 21.9 | 53.0 | 58.8 | 40.8 | 41.1 | 17.9 | 48.5 | 40.7 | 26.5 | 3.0 | 1.0 | 75 | 539 | 115.6 | 35.2 | 0.3 | 11 | 8 | 6 | 5 | — | — | 7.3 | 41 | 6.70 |
| Carlisle | 29.600 | 81.4 | 27.2 | 56.2 | 60.5 | 43.7 | 39.5 | 16.8 | 48.0 | 45.0 | 31.7 | 3.5 | 0.8 | 83 | 540 | 91.0 | 36.6 | 1.1 | 6 | 10 | 5 | 9 | 2.2 | 6.4 | 35 | 5.01 | |

The highest temperatures of the air were at the Royal Observatory, 81° 3'; at Osborne, 83° 8'; and at Carlisle, 83° 4'.
 The lowest temperatures of the air were at Barnet, 21° 5'; at Hull, 23° 0'; and at Whitechurch, 25° 0'.
 The greatest ranges of temperature were at Hull, 53° 0'; at Barnet, 37° 3'; and at Blackheath, 56° 3'.
 The least ranges of temperature were at Guernsey, 38° 9'; at Llandudno, 41° 6'; and at Eastbourne, 44° 5'.
 The greatest number of days of rain were at Nottingham, 51; and at Torquay and Hereford, 46.
 The least number of days of rain were at Osborne and Barnet, 32; and at Carlisle, 35.
 The greatest falls of rain were at Hereford, 9.29 inches; at Torquay, 9.14 inches; and at Wolverhampton, 8.27 inches.
 The least falls of rain were at Whitechurch, 4.28 inches; at Osborne, 4.31 inches; and at the Royal Observatory, 4.37 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | RAIN. | | | | | |
|--|-------------|---|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|-------|------|-----|-----------------------|-----------------------|---------------------------------|-----------------------------|-----|------|------|------|
| | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | Mean Number of Days it fell. | Mean Amount col- lected. | | | | |
| | | N. | E. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - - - | in. | 29.638 | 73.2 | 34.3 | 38.9 | 56.7 | 45.4 | 28.4 | 11.3 | 30.0 | 46.1 | 31.6 | 3.6 | 0.5 | 87 | 533 | 110.3 | 37.8 | 0.7 | 8 | 10 | 5 | 8 | 2.5 | 6.8 | 45 | 6.63 |
| Between the latitudes | 50° and 51° | 29.606 | 78.8 | 30.4 | 48.4 | 60.1 | 44.7 | 38.0 | 15.4 | 31.2 | 44.9 | 32.1 | 3.1 | 0.9 | 80 | 540 | 112.3 | 41.3 | 0.9 | 8 | 7 | 8 | 8 | 8 | 3.5 | 5.7 | 40 | 6.6 |
| | 51° and 52° | 29.635 | 80.0 | 27.2 | 52.8 | 60.7 | 42.9 | 41.3 | 17.8 | 30.7 | 43.7 | 29.3 | 3.3 | 1.0 | 80 | 540 | 106.8 | 33.4 | 1.2 | 8 | 7 | 6 | 8 | 5.1 | 5.9 | 38 | 4.93 | |
| | 52° and 53° | 29.688 | 78.2 | 26.5 | 51.7 | 58.5 | 41.8 | 40.6 | 16.7 | 48.9 | 42.9 | 28.4 | 3.2 | 0.8 | 80 | 540 | 111.8 | 32.8 | 1.2 | 8 | 8 | 5 | 8 | 0.3 | 6.9 | 42 | 6.74 | |
| | 53° and 54° | 29.642 | 76.6 | 25.1 | 48.5 | 56.7 | 42.7 | 36.2 | 14.0 | 48.4 | 41.0 | 27.0 | 3.0 | 0.9 | 76 | 542 | 95.1 | 37.0 | 1.2 | 8 | 9 | 5 | 7 | 6.7 | 4.2 | 6.74 | | |
| | 54° and 55° | 29.634 | 80.6 | 24.0 | 54.6 | 59.7 | 42.3 | 40.3 | 17.4 | 48.3 | 43.4 | 29.1 | 3.2 | 0.9 | 79 | 540 | 105.6 | 36.4 | 0.7 | 8 | 9 | 6 | 7 | 2.2 | 6.8 | 38 | 5.37 | |
| Mean for the Quarter, 50° to 55° | Year 1889 | 29.662 | 81.3 | 25.2 | 55.1 | 59.1 | 42.3 | 39.8 | 16.7 | 49.4 | 42.8 | 29.3 | 3.2 | 0.9 | 79 | 541 | 102.9 | 38.1 | 1.0 | 8 | 7 | 9 | 2 | 2.6 | 6.9 | 39 | 5.11 | |
| | " 1890 | 29.633 | 80.8 | 32.1 | 48.7 | 62.0 | 45.5 | 34.7 | 16.5 | 52.4 | 45.9 | 32.7 | 3.7 | 0.8 | 82 | 539 | 103.9 | 42.8 | 0.9 | 8 | 7 | 8 | 7 | 2.4 | 6.4 | 39 | 6.53 | |
| | " 1891 | 29.672 | 75.9 | 29.0 | 46.9 | 60.7 | 44.3 | 35.8 | 16.3 | 51.4 | 44.8 | 30.2 | 3.4 | 0.9 | 78 | 539 | 108.1 | 37.3 | 1.1 | 8 | 7 | 7 | 7 | 2.5 | 6.2 | 40 | 6.28 | |
| | " 1891 | 29.635 | 78.8 | 27.6 | 51.2 | 59.1 | 42.9 | 39.3 | 16.3 | 49.5 | 43.2 | 29.2 | 3.2 | 0.9 | 78 | 540 | 106.4 | 37.2 | 1.1 | 8 | 8 | 6 | 8 | 2.2 | 6.4 | 40 | 6.02 | |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING SEPTEMBER 30, 1891.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING SEPTEMBER 30TH, 1891.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in July was cold, dull, and unsettled, with a great want of sunshine. The temperature of the air was below its average on every day excepting the 16th and 17th, the 21st, 22nd, and 26th days, and particularly so during the last week. The atmospheric pressure was below its average till the 8th and from the 27th, and generally above from the 19th to the 26th. The fall of rain was variable, but generally less than the average; it fell during the first week and from the 27th. There was very little good haymaking weather during the month.

The month of August was cold, wet, stormy, and ungenial. The temperature of the air, with the exception of two or three days, was below the average, and particularly so till the 7th. The atmospheric pressure was below the average, with the exception of a few days, and particularly so from the 21st to the 27th, during which interval the weather was stormy and there was a great gale on the 25th and 26th. Rain fell frequently and for several days together from the 18th; at Blackheath on the 21st more than one inch in depth of rain fell. The weather greatly delayed the hay crops, and also did damage to the grain crops. The gale of the 25th did much injury to hops and fruit.

The weather in September was for the most part fine and warm, very little rain fell during the first half of the month. The temperature of the air till the 7th, and from the 21st to the 24th, was a little below the average, and was above on all other days. The atmospheric pressure was below the average till the 7th, and was generally above from the 8th. Till the 18th but little rain fell, and then light rain fell for a week. The hay harvest was generally secured and a good deal of grain was gathered in at the end of the month.

About London the mean daily temperature of the air was generally below its average till the 7th of September, being particularly so on the 28th, 29th, and 30th of July, and on the 4th, 6th, and 9th of August, when it was as much as 8° 7', 9° 3', 8° 4', 9° 0', 9° 5', and 8° respectively below the average; the mean daily deficiency for the 69 days ending September 7th being 2° 5'; from September 8th to the 20th it was warm and above its average, being on several days more than 6° in excess, the mean daily excess for these 13 days being 3° 4'; from September 21st to the 24th it was below, the mean daily deficiency being 2° 1'; and from the 25th to the end of the quarter it was above, the mean daily excess for the 6 days ending September 30th being 2° 4'.

The mean temperature of the air for July was 60° 3', being 1° 4' and 1° 8' below the average of 120 and 50 years respectively; it was 0° 8' higher than in 1890, 0° 7' lower than in 1889, and 2° 4' higher than in 1888.

The mean temperature of the air for August was 58° 6', being 2° 3' and 2° 8' below the average of 120 and 50 years respectively; it was 0° 7', 1° 4', and 0° 5' lower than in 1890, 1889, and 1888 respectively, and there were only five instances of as low or lower temperature back to the year 1841, viz. :—

| | | |
|-------------------|-------------------|-------------------|
| 1885 it was 58° 5 | 1848 it was 58° 5 | 1844 it was 57° 7 |
| 1860 " 57° 7 | 1845 " 57° 3 | |

The mean temperature of the air for September was 59° 1', being 2° 6' and 2° 1' above the average of 120 and 50 years respectively; it was 0° 4' lower than in 1890, and 3° 3' and 3° 4' higher than in 1889 and 1888 respectively; and there were only 10 instances of as high or higher temperature back to the year 1841, viz. :—

| | | |
|-------------------|-------------------|-------------------|
| 1890 it was 59° 5 | 1868 it was 60° 5 | 1857 it was 59° 7 |
| 1884 " 59° 3 | 1865 " 63° 9 | 1846 " 60° 1 |
| 1880 " 59° 7 | 1858 " 60° 1 | 1843 " 59° 5 |
| 1875 " 60° 0 | | |

The mean high day temperature of the air for July was 71° 7', being 2° 4' below the average of 50 years; it was 1° 3', 0° 2', and 4° 5' higher than in 1890, 1889, and 1888 respectively.

The mean high day temperature of the air for August was 69° 3', being 3° 5' below the average of 50 years; it was 1

The mean low night temperature of the air for July was $51^{\circ}6$, being $1^{\circ}5$ below the average of 50 years; it was of the same value as the reading in 1890, $1^{\circ}7$, lower than in 1889, and $0^{\circ}1$ higher than in 1888.

The mean low night temperature of the air for August was $51^{\circ}5$, being $1^{\circ}5$ below the average of 50 years; it was $0^{\circ}3$ higher than in 1890, $0^{\circ}1$ lower than in 1889, and $0^{\circ}6$ higher than in 1888.

The mean low night temperature of the air for September was $50^{\circ}2$, being $1^{\circ}1$ above the average of 50 years; it was $0^{\circ}2$ lower than in 1890, and $2^{\circ}1$ and $1^{\circ}9$ higher than in 1889 and 1888 respectively.

The mean daily range for July was $20^{\circ}1$, being $0^{\circ}9$ smaller than the average; in August it was $17^{\circ}8$, being $2^{\circ}1$ smaller than the average; and in September it was $19^{\circ}6$, being $1^{\circ}4$ larger than the average.

The mean temperature of the air for July was $0^{\circ}1$ colder than in June; in August it was $1^{\circ}7$ colder than in July; and in September it was $0^{\circ}5$ warmer than in August.

(From the preceding 50 years' observations the increase from June to July is $3^{\circ}2$, from July to August the decrease is $0^{\circ}7$, and from August to September the decrease is $4^{\circ}4$.)

| Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|-------|--|--|-------|--|-------|--|-------|--|-----------------------------|--|---|--------------|
| 1891. MONTHS. | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 50 years. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | | |
| | | | | | | | | | | | | | |
| July | 60.3 | -1.4 | -1.8 | 56.3 | -1.3 | 53.2 | -0.9 | 20.1 | -0.9 | .406 | in -0.11 | 4.5 | grs. -0.2 |
| August | 58.6 | -2.3 | -2.8 | 55.8 | -1.5 | 53.3 | -0.7 | 17.8 | -2.1 | .407 | -0.10 | 4.5 | -0.2 |
| Sept. | 59.1 | +2.6 | +2.1 | 55.8 | +1.9 | 52.8 | +1.7 | 19.6 | +1.4 | .400 | +0.21 | 4.5 | +0.2 |
| Means | 59.3 | -0.4 | -0.8 | 56.0 | -0.3 | 53.1 | 0.0 | 19.2 | -0.5 | .404 | .000 | 4.5 | -0.1 |

| 1891. MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---------------------------|--|-----------------------------|--|--------------------------------------|--|----------|--|---|----------------------------------|---------------------------------|---------------|--|---|
| | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Mean. | Diff. from ave- rage of 50 years. | Amount. | Diff. from ave- rage of 50 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| | | | | | | | | | | | | | | |
| July | 78 | + 2 | 29.759 | -0.034 | grs. 529 | + 1 | in 3.39 | +0.82 | Miles. 254 | 0 | 5 | 26 | 37.0 | 54.5 |
| August | 83 | + 7 | 29.646 | -1.37 | 529 | 0 | 3.72 | +1.36 | 293 | 0 | 2 | 29 | 38.4 | 54.0 |
| Sept. | 80 | - 1 | 29.834 | +0.28 | 532 | - 1 | 0.82 | -1.55 | 255 | 0 | 3 | 27 | 38.5 | 57.0 |
| Means | 80 | + 3 | 29.746 | -0.048 | 530 | 0 | Sum 7.93 | Sum +0.63 | Mean 267 | Sum 0 | Sum 10 | Sum 82 | Lowest 37.4 | Highest 57.0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|-----------------------|-------|----------|-------------------------------|---------|----------|-------------------------------|------------|----------|-------------------------------|
| | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 4 | 3 | +1 | 5 | 3 | +2 | 1 | 4 | -3 |
| N. | 1 | 3 | -2 | 3 | 3 | 0 | 1 | 6 | -5 |
| N.E. | 4 | 4 | 0 | 1 | 3 | -2 | 7 | 2 | +5 |
| E. | 2 | 3½ | -1½ | 1 | 1½ | -½ | 2 | 2 | 0 |
| S.E. | 3 | 2 | +1 | 2 | 1½ | +½ | 3 | 3 | 0 |
| S. | 3 | 1½ | +1½ | 2 | 3 | -1 | 3 | 8 | -5 |
| S.W. | 12 | 10 | +2 | 12 | 12 | 0 | 12 | 3 | +9 |
| W. | 2 | 4 | -2 | 5 | 4 | +1 | 1 | 2 | -1 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in July are S.W., S., S.E., and N.W.; in August are N.W. and S.E.; and in September are S.W. and N.E.

The sign (-) denotes deficiencies below averages; the numbers affected by this sign in July are N., W., and E.; in August are N.E., S., and E.; and in September are S., N., and N.W.

From June to July there was an increase of temperature of 1° stations south of 51° ; the readings were about the same value at stations between 51° and 52° ; an increase of $1^{\circ}1$ at stations south of 53° ; and at stations north of this parallel an increase of $1^{\circ}4$.

From July to August there was a decrease at all stations; at those south of 51° of $0^{\circ}8$; between 51° and 52° of $1^{\circ}3$; between 52° and 53° of $0^{\circ}4$; and at stations north of this parallel of $1^{\circ}2$.

From August to September there was an increase of $0^{\circ}3$ at stations south of 51° ; between 51° and 52° there was a decrease of $0^{\circ}1$; and at stations north of this parallel there was an increase of $0^{\circ}3$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of July was 29.759 ins., being $0^{\circ}034$ in. below the average of 50 years; it was $0^{\circ}024$ in. higher than in 1890, of the same value as that in 1889, and $0^{\circ}159$ in. higher than in 1888.

The mean reading of the barometer for August was 29.646 ins., being $0^{\circ}137$ in. below the average of 50 years; it was $0^{\circ}069$ in., $0^{\circ}064$ in., and $0^{\circ}186$ in. lower than in 1890, 1889, and 1888 respectively.

The mean reading of the barometer for September was 29.834 ins., being $0^{\circ}028$ in. above the average of 50 years; it was $0^{\circ}145$ in., $0^{\circ}031$ in., and $0^{\circ}134$ in. lower than in 1890, 1889, and 1888 respectively.

From June to July there was a decrease of atmospheric pressure at all stations; at those south of 51° of $0^{\circ}04$ in.; between 51° and 52° of $0^{\circ}08$ in.; between 52° and 53° of $0^{\circ}10$ in.; and at stations north of this parallel of $0^{\circ}15$ in.

From July to August there was a decrease at all stations; at those south of 52° of $0^{\circ}12$ in.; between 52° and 53° of $0^{\circ}13$ in.; and at stations north of this parallel of $0^{\circ}18$ in.

From August to September there was an increase at all stations, at those south of 51° of $0^{\circ}17$ in.; between 51° and 52° of $0^{\circ}18$ in., and at stations north of this parallel of $0^{\circ}19$ in.

About London the atmospheric pressure was below its average till July 8th, the mean daily deficiency being $0^{\circ}17$ in.; from the 9th to the 26th it was generally above, the mean daily excess being $0^{\circ}05$ in.; from July 27th to September 7th it was generally below, being particularly so on the 21st and 27th of August, and on the 1st of September, when it was as much as $0^{\circ}61$ in., $0^{\circ}55$ in., and $0^{\circ}54$ in. respectively below; the mean daily deficiency for the 43 days ending September 7th being $0^{\circ}15$ in.; and from September 8th to the 30th it was generally above, the mean daily excess for these 23 days being $0^{\circ}04$ in.

Thunderstorms occurred in July on the 2nd at Halifax; on the 3rd at Torquay, Royston, and Cambridge; on the 6th at Blackheath, Royal Observatory, Royston, Cambridge, Hull, and Stonyhurst; on the 8th at Blackheath, Royal Observatory, Royston, and Cambridge; on the 17th at Royston, Cambridge, Halifax, and Leeds; on the 19th at Leeds; on the 21st at Rugby, Lowestoft, Halifax, Hull, and Leeds; on the 22nd at Oxford, Halifax, and Hull; on the 23rd at Cambridge; on the 26th at Guernsey; on the 27th at Torquay, Osborne, Salisbury, Blackheath, and Royal Observatory; on the 29th at Salisbury and Cambridge; and on the 30th at Salisbury, Blackheath, Royal Observatory, Lowestoft, and Somerleyton.

In August on the 2nd at Blackheath, Royal Observatory, Somerleyton, and Stonyhurst; on the 3rd at Salisbury, Oxford, Somerleyton, and Leeds; on the 4th at Torquay, Salisbury, Whitechurch, and Oxford; on the 5th at Torquay and Osborne; on the 10th at Osborne, Salisbury, Blackheath, Royal Observatory, Oxford, Somerleyton, and Halifax; on the 19th at Salisbury, Royston, and Somerleyton; on the 20th at Whitechurch; on the 21st at Torquay and Salisbury; on the 23rd at Osborne and Salisbury; on the 23rd at Somerleyton, Halifax, Hull, and Stonyhurst; and on the 29th at Liverpool and Leeds.

In September on the 14th at Torquay; on the 18th at Salisbury; and on the 22nd at Osborne, Salisbury, and Oxford.

Thunder was heard but lightning was not seen in July on 1st at Halifax; on the 3rd at Somerleyton; on the 4th at Somerleyton and Leeds; on the 6th at Oxford and Carlisle; on the 7th at Blackheath and Royal Observatory; on the 8th at Rugby and Stonyhurst; on the 17th at Blackheath, Royal Observatory, Rugby, Liverpool, and Stonyhurst; on the 19th at Blackheath, Royal Observatory, and Halifax; on the 20th at Truro; on the 21st at Somerleyton, Stonyhurst, and Carlisle; on the 22nd at Carlisle; on the 23rd at Somerleyton; on the 29th at Carlisle; on the 30th at Bath, Blackheath, Royal Observatory, Oxford, and Rugby; and on the 31st at Lowestoft and Somerleyton.

In August on the 2nd at Halifax; on the 3rd at Torquay, Bath, Whitechurch, Blackheath, Royal Observatory, Halifax, Hull, and Leeds; on the 4th at Bath, Blackheath, Royal Observatory, Oxford, Cambridge, Liverpool, Halifax, and Stonyhurst; on the 10th at Cambridge and Stonyhurst; on the 19th at Cambridge; on the 20th at Hull; on the 21st at Torquay, Oxford, and Stonyhurst; on the 28th at Leeds and Carlisle; on the 29th at Cambridge and Stonyhurst; and on the 31st at Hull.

In September on the 3rd at Royston and Llandudno; on the 13th at Hereford; on the 14th at Carlisle; on the 22nd at Blackheath and Royal Observatory; and on the 30th at Carlisle.

Lightning was seen but thunder was not heard in July on the 7th and 13th at Carlisle; on the 26th at Truro and Torquay; and on the 30th at Royston.

In August on the 2nd at Liverpool; on the 3rd at Oxford; and on the 27th and 28th at Liverpool.

In September on the 3rd at Torquay; on the 7th at Blackheath and Royal Observatory; and on the 13th at Torquay.

Solar halos were seen in July on the 7th and 12th at Oxford; on the 15th at Liverpool and Halifax; on the 16th at Torquay and Oxford; on the 18th at Torquay, Oxford, Liverpool, and Halifax; and on the 22nd at Liverpool.

In August on the 11th at Oxford; on the 15th and 22nd at Torquay; and on the 30th at Torquay and Oxford.

In September on the 1st and 2nd at Torquay; on the 3rd at Torquay and Halifax; on the 5th at Oxford, Liverpool, and Halifax; on the 13th at Torquay; on the 17th at Liverpool; on the 19th at Oxford and Halifax; on the 26th at Torquay, Osborne, Oxford, and Liverpool; and on the 27th at Torquay.

Lunar halos were seen in August on the 23rd at Stonyhurst.

In September on the 19th at Liverpool.

Hail fell in July on the 3rd and 8th at Cambridge; on the 23rd at Halifax; and on the 29th at Somerleyton and Carlisle.

In August on the 2nd at Somerleyton; on the 3rd at Torquay, Oxford, and Cambridge; on the 4th at Torquay; on the 10th at Whitechurch; and on the 28th and 29th at Hull.

In September on the 2nd at Stonyhurst; and on the 22nd at Oxford, Royston, and Cambridge.

Fog prevailed in July on the 1st and 5th at Guernsey and Torquay; on the 6th at Guernsey; on the 10th at Bath; on the 13th at Guernsey and Bath; on the 16th at Guernsey; on the 20th at Bath; on the 21st, 25th, and 26th at Guernsey; and on the 27th at Bath.

In August on the 13th, 14th, and 15th at Guernsey; and on the 20th at Torquay.

In September on the 3rd at Oxford; on the 7th at Torquay and Oxford; on the 12th and 13th at Halifax; on the 23rd at Bath; on the 24th at Torquay, Bath, and Cambridge; on the 25th at Torquay; and on the 30th at Cambridge.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING SEPTEMBER 30TH, 1891.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| NAMES OF STATIONS AND OBSERVERS. | Height of Station Above Sea Level. | Year 1891. | | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | | Mean Amount of Cloud. | | Number of Days it fell. | Rain. | |
|--|------------------------------------|-----------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|-------------------|----------------------|----------------------|----------------------|---|------------------------------|-------------------------|----------------------|---------------------|------------------------|-----------------------|----------------------|-------------------------|-------|----------------|
| | | Months. | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | Mean. | Short of Saturation. | Mean Degree of Humidity, $32^{\circ}\text{F} = 100$. | Cubic foot of Air. | Maximum in Rays of Sun. | Minimum in Grains. | Estimated Strength. | Relative Proportion of | | | | | Mean Amount of |
| | | | | | | | | Of all Highest. | Of all Lowest. | | | | | | | | | | | Daily Range. | N. | S. | | | |
| GUERNSEY. A. GOLPHUS COLLETT, Esq., F. R. Met. Soc. | 275 | July Aug. Sept. | 29.713 29.693 29.755 | 0.554 0.855 0.733 | 74.7 68.4 78.7 | 49.5 63.4 47.9 | 25.2 25.7 30.8 | 65.6 64.1 65.6 | 53.6 54.1 54.1 | 53.6 53.1 53.2 | 4.6 4.7 4.7 | 57.9 58.1 59.2 | 54.3 54.5 51.8 | .422 .426 .415 | 0.5 0.7 1.0 | .511 .529 .531 | 130.5 118.4 112.4 | 44.2 49.4 49.2 | 0.9 0.9 0.8 | 0.9 0.9 0.8 | 11 15 12 | 11 16 16 | 1.19 5.41 1.81 | | |
| TRURO (Cornwall). N. WHITLEY, Esq., F. R. Met. Soc. | 43 | July Aug. Sept. | 29.908 29.784 29.957 | 0.569 0.883 0.893 | 79.0 74.0 83.0 | 40.0 37.0 41.0 | 39.0 37.0 43.0 | 68.6 65.3 67.2 | 53.7 52.0 51.2 | 53.7 53.3 53.3 | 3.8 4.3 4.3 | 60.0 59.3 59.3 | 48.7 51.6 51.6 | .514 .563 .582 | 0.6 1.3 1.3 | .632 .74 .76 | 111 111 111 | 1.7 1.6 1.6 | 1.7 1.6 1.6 | 8 7 7 | 17 16 16 | 1.02 5.93 5.93 | | | |
| TORQUAY, Bablacombe (Devon). EDWIN E. GUYDE, Esq., F. R. Met. Soc. | 806 | July Aug. Sept. | 29.663 29.519 29.704 | 0.555 0.967 0.825 | 73.7 71.1 71.6 | 43.2 44.3 44.1 | 35.5 33.8 37.5 | 65.5 64.8 64.3 | 53.6 52.1 51.7 | 53.3 53.3 53.3 | 4.4 4.4 4.3 | 58.3 57.3 57.3 | 52.2 50.2 51.6 | .592 .595 .588 | 1.1 0.9 0.9 | .831 .831 .831 | 121.2 117.8 111.8 | 48.6 47.3 45.7 | 1.3 1.3 1.2 | 1.3 1.3 1.2 | 14 14 13 | 14 13 13 | 3.25 6.94 1.93 | | |
| OSBORNE (Isle of Wight). J. R. MANN, Esq. | 172 | July Aug. Sept. | 29.749 29.639 29.834 | 0.680 0.704 0.800 | 79.7 72.8 76.9 | 47.4 45.2 45.2 | 32.3 31.7 31.7 | 70.3 67.4 65.2 | 53.3 53.3 53.3 | 53.3 53.3 53.3 | 5.2 4.8 4.8 | 57.0 55.6 55.0 | 52.2 50.2 51.6 | .465 .433 .433 | 0.6 0.7 0.7 | .921 .883 .883 | 121.4 108.4 108.4 | 50.9 49.4 49.4 | 0.2 0.2 0.2 | 0.2 0.2 0.2 | 12 13 10 | 12 13 10 | 2.81 1.88 1.88 | | |
| SALISBURY (Wilton House), Wilt. THOMAS CHALLIS, Esq. | 186 | July Aug. Sept. | 29.750 29.624 29.801 | 0.633 0.816 0.846 | 79.0 74.0 83.0 | 41.0 38.0 43.0 | 38.0 35.0 43.0 | 70.9 67.1 65.2 | 47.5 45.6 45.6 | 47.5 47.3 47.3 | 5.0 4.5 4.4 | 58.4 56.3 56.3 | 52.2 50.2 51.6 | .451 .451 .451 | 0.3 0.6 0.6 | .921 .883 .883 | 121.4 108.4 108.4 | 50.9 49.4 49.4 | 0.2 0.2 0.2 | 0.2 0.2 0.2 | 12 13 10 | 12 13 10 | 2.81 1.88 1.88 | | |
| BARNSTAPLE (Devon). WILLIAM KNILL, Esq. | 43 | July Aug. Sept. | 29.750 29.624 29.801 | 0.633 0.816 0.846 | 79.0 74.0 83.0 | 41.0 38.0 43.0 | 38.0 35.0 43.0 | 70.9 67.1 65.2 | 47.5 45.6 45.6 | 47.5 47.3 47.3 | 5.0 4.5 4.4 | 58.4 56.3 56.3 | 52.2 50.2 51.6 | .451 .451 .451 | 0.3 0.6 0.6 | .921 .883 .883 | 121.4 108.4 108.4 | 50.9 49.4 49.4 | 0.2 0.2 0.2 | 0.2 0.2 0.2 | 12 13 10 | 12 13 10 | 2.81 1.88 1.88 | | |
| BATH (Somerset), St. Gregory's College, Downside, Rev. T. J. ALMOND, O.S.B. | 506 | July Aug. Sept. | 29.731 29.601 29.781 | 0.608 0.770 0.870 | 74.1 68.0 79.9 | 40.2 37.0 45.9 | 37.0 35.0 44.0 | 64.9 61.3 58.0 | 50.6 49.0 48.0 | 50.6 49.0 48.0 | 4.4 4.3 4.3 | 56.7 55.0 55.0 | 52.7 51.3 51.3 | .398 .381 .381 | 0.7 0.7 0.7 | .865 .841 .841 | 121.5 112.2 112.2 | 47.5 40.7 40.7 | 1.0 1.0 1.0 | 1.0 1.0 1.0 | 10 12 12 | 10 12 12 | 3.47 2.65 2.65 | | |
| WHITCHURCH RECTORY (Oxon). (near Reading). Rev. J. SLAYTER, M.A., F.R. Met. Soc. | 150 | July Aug. Sept. | 29.833 29.788 29.833 | 0.728 0.843 0.748 | 77.0 77.0 77.0 | 43.0 43.0 43.0 | 35.8 35.8 35.8 | 71.3 68.1 64.6 | 51.1 50.7 49.9 | 51.1 50.7 49.9 | 4.4 4.3 4.3 | 59.8 58.4 58.4 | 53.3 51.5 51.5 | .392 .383 .383 | 1.2 1.2 1.2 | .783 .783 .783 | 104.3 104.3 104.3 | 1.3 1.3 1.3 | 1.3 1.3 1.3 | 11 11 11 | 11 11 11 | 2.10 4.25 4.25 | | | |
| ROYAL OBSERVATORY, Greenwich. W. H. M. CHRISTIE, M.A., F.R.S., Astronomer Royal. | 129 | July Aug. Sept. | 29.739 29.646 29.834 | 0.692 0.808 0.841 | 83.1 79.5 83.1 | 43.2 41.2 43.2 | 36.3 35.3 35.3 | 71.7 69.8 69.8 | 51.6 51.5 51.5 | 51.6 51.5 51.5 | 4.5 4.5 4.5 | 60.3 58.2 58.2 | 53.2 51.6 51.6 | .406 .407 .406 | 1.3 1.3 1.3 | .783 .783 .783 | 122.9 121.1 121.1 | 45.0 45.0 45.0 | 1.1 1.1 1.1 | 1.1 1.1 1.1 | 11 11 11 | 11 11 11 | 3.39 7.73 7.73 | | |
| BLACKHEATH (Kent). JAMES GLAISHER, Esq., F.R.S. | 150 | July Aug. Sept. | 29.747 29.645 29.829 | 0.695 0.843 0.833 | 82.5 78.0 79.5 | 43.2 42.5 41.8 | 35.3 35.3 37.7 | 70.8 68.3 68.1 | 51.1 49.3 49.3 | 51.1 49.3 49.3 | 4.2 4.2 4.3 | 60.3 58.2 58.2 | 51.3 51.3 51.7 | .378 .374 .382 | 1.3 1.3 1.3 | .779 .779 .779 | 121.6 118.2 118.4 | 45.0 45.0 45.0 | 1.7 2.0 1.8 | 1.7 2.0 1.8 | 10 13 10 | 10 13 10 | 3.24 3.62 0.83 | | |

| Year 1891. | Month. | Height of Station Above Sea Level. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Weight of a Cubic Foot of Air. | Mean Reading of Thermometer. | Estimated Strength. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days with Rain. | Amount of Rain. | | | | |
|-------------------------------------|--------|---------------------------------------|---------------------------|--------|----------|------------------------------|--------|-----------------|----------------|-------------------|------|------------|----------------|--|---------------------------------|------------------------|-------|------|----------------------------|--------------------------|--------------------------|---------------------------------|--------------------|--|---------------------------|------|------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | | | | Mean. | | In a Cubic Foot of Air. | | | | | Mean Degree of Humi- dity. (Ratio = 100.) | Relative Proportion of | | |
| | | | | | | | | | | | | | | | | | N. | E. | | | | | | | W. | | |
| NAMES OF STATIONS AND OBSERVERS. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| { 123 | July | 29-221 | 0.708 | 84.3 | 44.6 | 39.7 | 70.6 | 53.8 | 17.8 | 60.1 | 51.8 | 386 | 4 | 1.5 | 74 | 531 | 113.4 | 0 | 5 | 9 | 11 | 5.8 | 17 | 3.82 | | | |
| | Aug. | 29-196 | 0.700 | 75.8 | 43.3 | 37.1 | 68.2 | 57.7 | 10.5 | 59.1 | 54.6 | 410 | 4.6 | 1.2 | 79 | 498 | 110.8 | 0 | 5 | 11 | 13 | 7.2 | 52 | 4.75 | | | |
| | Sept. | 29-292 | 0.889 | 89.4 | 43.8 | 33.1 | 68.2 | 51.4 | 17.1 | 58.7 | 51.7 | 884 | 4.5 | 1.3 | 77 | 483 | 109.3 | 1.1 | 6 | 8 | 4 | 6 | 15 | 1.63 | | | |
| { 47 | July | 29-785 | 0.678 | 78.0 | 45.5 | 32.6 | 68.0 | 53.2 | 14.8 | 59.0 | 53.9 | 401 | 4.5 | 1.1 | 81 | 531 | 110.8 | 0 | 5 | 8 | 14 | 6.3 | 17 | 3.35 | | | |
| | Aug. | 29-745 | 0.745 | 75.0 | 43.8 | 31.2 | 65.0 | 53.2 | 13.5 | 57.6 | 53.4 | 386 | 4.4 | 0.9 | 81 | 531 | 110.8 | 0 | 5 | 8 | 14 | 6.3 | 17 | 3.35 | | | |
| | Sept. | 29-947 | 0.850 | 78.7 | 44.1 | 34.4 | 66.6 | 50.9 | 15.7 | 57.4 | 53.6 | 403 | 4.5 | 0.8 | 82 | 531 | 110.8 | 0 | 5 | 8 | 13 | 4.7 | 16 | 1.19 | | | |
| { 212 | July | 29-735 | 0.678 | 82.8 | 39.5 | 43.3 | 70.0 | 48.7 | 21.8 | 58.2 | 53.1 | 404 | 4.4 | 0.9 | 81 | 531 | 127.8 | 33.3 | 0.5 | 4 | 6 | 16 | 6.7 | 15 | 2.51 | | |
| | Aug. | 29-621 | 0.820 | 81.0 | 37.0 | 41.0 | 68.1 | 48.9 | 19.2 | 57.1 | 53.2 | 376 | 4.3 | 1.0 | 81 | 531 | 121.2 | 47.6 | 0.5 | 2 | 8 | 20 | 7.3 | 19 | 3.50 | | |
| | Sept. | 29-890 | 0.846 | 80.0 | 37.0 | 43.0 | 68.7 | 48.8 | 21.9 | 57.3 | 53.2 | 380 | 4.3 | 0.9 | 81 | 531 | 121.2 | 47.6 | 0.5 | 2 | 8 | 20 | 7.3 | 19 | 3.50 | | |
| { 213 | July | 29-706 | 0.671 | 77.1 | 43.5 | 33.6 | 66.7 | 53.3 | 15.5 | 57.1 | 53.5 | 381 | 4.3 | 1.0 | 81 | 531 | 121.2 | 47.6 | 0.5 | 2 | 8 | 20 | 7.3 | 19 | 3.50 | | |
| | Aug. | 29-823 | 0.823 | 72.3 | 43.5 | 29.8 | 64.4 | 51.6 | 15.8 | 57.8 | 53.8 | 433 | 4.3 | 1.0 | 81 | 531 | 121.2 | 47.6 | 0.5 | 2 | 8 | 20 | 7.3 | 19 | 3.50 | | |
| | Sept. | 29-769 | 0.689 | 80.9 | 43.7 | 37.1 | 65.5 | 49.9 | 15.5 | 58.1 | 53.5 | 384 | 4.3 | 1.1 | 79 | 483 | 109.3 | 0.4 | 5 | 9 | 13 | 5.2 | 18 | 1.50 | | | |
| { 301 | July | 29-763 | 0.872 | 83.4 | 43.7 | 39.7 | 70.9 | 51.3 | 19.0 | 58.8 | 54.7 | 431 | 4.3 | 0.9 | 80 | 531 | 116.0 | 0 | 5 | 9 | 12 | 5.6 | 16 | 2.32 | | | |
| | Aug. | 29-584 | 0.871 | 77.9 | 42.7 | 35.2 | 68.7 | 51.7 | 17.7 | 57.8 | 53.3 | 333 | 3.7 | 0.9 | 80 | 531 | 108.1 | 0 | 5 | 9 | 13 | 5.8 | 21 | 4.79 | | | |
| | Sept. | 29-742 | 0.827 | 81.1 | 40.1 | 41.0 | 69.4 | 50.4 | 18.6 | 58.3 | 53.8 | 400 | 4.5 | 0.7 | 81 | 531 | 108.1 | 0 | 5 | 9 | 14 | 5.2 | 18 | 1.85 | | | |
| { 321 | July | 29-619 | 0.934 | 78.6 | 37.0 | 41.6 | 65.8 | 48.0 | 17.8 | 56.0 | 50.2 | 332 | 3.9 | 1.1 | 78 | 532 | 117.7 | — | 1.7 | 4 | 9 | 10 | 6.4 | 14 | 1.83 | | |
| | Aug. | 29-586 | 0.708 | 82.3 | 37.0 | 45.3 | 70.8 | 50.8 | 19.8 | 53.6 | 57.1 | 467 | 5.2 | 0.3 | 95 | 532 | 139.3 | — | 1.2 | 5 | 9 | 11 | 12 | — | | | |
| | Sept. | 29-721 | 0.838 | 77.0 | 40.5 | 36.5 | 69.0 | 50.6 | 16.1 | 54.1 | 57.6 | 476 | 4.6 | 0.8 | 86 | 530 | 131.9 | — | 1.3 | 4 | 9 | 10 | 14 | — | | | |
| { 40 | July | 29-925 | 0.818 | 81.7 | 43.0 | 35.8 | 69.8 | 49.1 | 20.7 | 53.8 | 54.4 | 414 | 4.4 | 1.0 | 84 | 534 | 127.4 | — | 1.4 | 3 | 10 | 13 | 4.2 | 12 | 1.13 | | |
| | Aug. | 29-640 | 1.103 | 79.0 | 41.0 | 37.0 | 69.0 | 48.7 | 20.3 | 57.7 | 53.9 | 417 | 4.6 | 0.7 | 87 | 530 | — | — | 0.5 | 2 | 9 | 10 | 11 | — | | | |
| | Sept. | 29-680 | 0.906 | 85.9 | 31.0 | 31.0 | 61.9 | 53.9 | 41.4 | 52.6 | 47.0 | 262 | 3.0 | 0.7 | 89 | 543 | 130.0 | — | — | 8 | 7 | 9 | 6.5 | 15 | 1.74 | | |
| { 89 | May | 29-680 | 0.906 | 85.9 | 31.0 | 31.0 | 61.9 | 53.9 | 41.4 | 52.6 | 47.0 | 262 | 3.0 | 0.7 | 89 | 543 | 130.0 | 38.8 | 1.9 | 8 | 7 | 9 | 5.5 | 16 | 2.30 | | |
| | June | 29-704 | 0.723 | 72.9 | 42.2 | 35.3 | 63.9 | 49.1 | 12.6 | 55.0 | 52.3 | 330 | 4.0 | 0.9 | 83 | 537 | 109.9 | 47.9 | 1.9 | 8 | 10 | 4 | 6.4 | 12 | 1.55 | | |
| | July | 29-730 | 0.764 | 75.9 | 43.8 | 32.4 | 65.9 | 49.1 | 13.8 | 53.9 | 52.3 | 334 | 4.5 | 1.1 | 81 | 532 | 114.3 | 39.4 | 2.0 | 8 | 9 | 5 | 6.7 | 20 | 4.81 | | |
| { 209 | Aug. | 29-671 | 0.946 | 85.7 | 43.0 | 32.7 | 65.5 | 51.7 | 13.8 | 53.9 | 52.3 | 334 | 4.5 | 1.1 | 81 | 532 | 114.3 | 39.4 | 2.0 | 8 | 9 | 5 | 6.7 | 20 | 4.81 | | |
| | Sept. | 29-875 | 0.840 | 73.2 | 44.0 | 29.2 | 66.1 | 51.5 | 14.6 | 53.5 | 51.8 | 386 | 4.3 | 1.2 | 73 | 533 | 111.9 | 47.3 | 2.0 | 4 | 5 | 7 | 7.8 | 21 | 3.69 | | |
| | Oct. | 29-826 | 0.754 | 77.0 | 45.7 | 31.5 | 65.5 | 49.1 | 14.1 | 57.5 | 52.5 | 388 | 4.3 | 1.0 | 80 | 531 | — | — | 0.9 | 4 | 5 | 10 | 13 | 3.26 | | | |
| { 50 | July | 29-723 | 0.850 | 75.5 | 42.0 | 33.5 | 61.7 | 52.1 | 13.6 | 57.1 | 52.0 | 335 | 4.4 | 1.0 | 87 | 531 | — | — | 1.2 | 4 | 9 | 10 | 7.3 | 8 | 0.14 | | |
| | Aug. | 29-723 | 0.850 | 75.5 | 42.0 | 33.5 | 61.7 | 52.1 | 13.6 | 57.1 | 52.0 | 335 | 4.4 | 1.0 | 87 | 531 | — | — | 1.2 | 4 | 9 | 10 | 7.3 | 8 | 0.14 | | |
| | Sept. | 29-729 | 0.814 | 76.2 | 43.7 | 32.5 | 66.9 | 50.1 | 16.8 | 57.9 | 51.7 | 387 | 4.3 | 1.0 | 81 | 533 | — | — | 1.0 | 4 | 9 | 12 | 4.3 | 8 | 4.14 | | |
| { 600 | July | 29-728 | 0.728 | 73.2 | 40.1 | 32.1 | 63.5 | 48.6 | 14.9 | 54.8 | 48.9 | 340 | 3.9 | 1.0 | 79 | 527 | — | — | — | 6 | 9 | 12 | 10 | 7.7 | 19 | 3.07 | |
| | Aug. | 29-741 | 0.741 | 77.9 | 40.0 | 34.3 | 64.3 | 47.2 | 17.1 | 55.0 | 49.9 | 339 | 4.1 | 0.9 | 83 | 530 | — | — | — | 6 | 9 | 12 | 10 | 7.7 | 19 | 3.07 | |
| | Sept. | 29-741 | 0.741 | 77.9 | 40.0 | 34.3 | 64.3 | 47.2 | 17.1 | 55.0 | 49.9 | 339 | 4.1 | 0.9 | 83 | 530 | — | — | — | 6 | 9 | 12 | 10 | 7.7 | 19 | 3.07 | |
| { 215 | July | 29-611 | 0.766 | 78.9 | 46.4 | 32.5 | 67.0 | 51.5 | 15.7 | 57.6 | 49.2 | 380 | 3.9 | 1.4 | 73 | 530 | 113.0 | 50.2 | 0.5 | 9 | 4 | 6 | 12 | 0.4 | 6.7 | 20 | 1.68 |
| | Aug. | 29-516 | 0.744 | 72.4 | 40.3 | 32.1 | 64.7 | 49.7 | 13.6 | 57.6 | 49.2 | 380 | 3.9 | 1.4 | 73 | 530 | 113.0 | 50.2 | 0.5 | 9 | 4 | 6 | 12 | 0.4 | 6.7 | 20 | 1.68 |
| | Sept. | 29-700 | 0.650 | 81.4 | 40.1 | 36.4 | 69.1 | 49.1 | 17.3 | 57.0 | 50.7 | 331 | 4.0 | 1.2 | 76 | 532 | 105.5 | 47.3 | 0.5 | 9 | 9 | 14 | 0.3 | 7.1 | 24 | 3.60 | |
| { 100 | July | 29-810 | 0.850 | 73.7 | 49.6 | 13.1 | 63.8 | 49.6 | 10.8 | 57.1 | 50.5 | 384 | 4.1 | 1.1 | 79 | 534 | — | — | 0.8 | 9 | 2 | 8 | 17 | 6.5 | 18 | 1.80 | |
| | Aug. | 29-622 | 1.180 | 69.5 | 47.0 | 22.5 | 62.9 | 53.3 | 10.8 | 57.1 | 50.5 | 384 | 4.1 | 1.1 | 79 | 534 | — | — | 0.8 | 9 | 2 | 8 | 17 | 6.5 | 18 | 1.80 | |
| | Sept. | 29-860 | 1.110 | 81.1 | 47.4 | 33.7 | 64.7 | 53.6 | 11.1 | 58.5 | 49.5 | 361 | 4.0 | 1.5 | 76 | 532 | — | — | 1.3 | 9 | 2 | 8 | 12 | 6.0 | 14 | 0.94 | |

Meteorological Table, Quarter ending September 30th, 1891.

[illegible]

*Second Rain-gauges are placed—
At The Cemetery, Eastbourne, at the house,
Hatch, Hove.*

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | 29.563 | 78.7 | 47.7 | 31.0 | 55.1 | 53.9 | 25.6 | 11.2 | 58.4 | 54.2 | 421 | 4.7 | 0.8 | 86 | 530 | 117.1 | 47.6 | 0.9 | 6 | 4 | 8 | 12 | 2.2 | 6.2 | 45 | 8.41 |
| Truro | 29.568 | 83.0 | 37.0 | 46.0 | 67.0 | 52.0 | 9.3 | 15.1 | 69.2 | 50.2 | 363 | 4.1 | 1.6 | 72 | 532 | — | — | 1.6 | 9 | 5 | 8 | 9 | — | 5.4 | 58 | 11.03 |
| Plymouth | 29.569 | 73.7 | 44.1 | 29.6 | 55.2 | 52.1 | 26.6 | 13.1 | 57.7 | 52.2 | 392 | 4.4 | 1.0 | 82 | 530 | 117.4 | 47.5 | 1.3 | 6 | 4 | 7 | 13 | 4.7 | 5.6 | 50 | 10.35 |
| Torquay | 29.490 | 79.7 | 44.7 | 35.0 | 58.0 | 53.2 | 30.7 | 14.8 | 58.9 | 56.1 | 452 | 5.0 | 0.6 | 91 | 530 | 114.6 | 50.9 | 0.2 | 4 | 4 | 10 | 12 | — | 6.1 | 40 | 9.50 |
| Ventnor | 29.503 | 83.0 | 38.0 | 45.0 | 69.0 | 47.4 | 39.7 | 21.7 | 57.6 | 54.2 | 422 | 4.7 | 0.6 | 88 | 531 | 106.7 | 47.1 | 1.5 | 6 | 3 | 10 | 12 | — | 6.0 | 60 | 10.16 |
| Osborne | 29.503 | 83.0 | 38.0 | 45.0 | 69.0 | 47.4 | 39.7 | 21.7 | 57.6 | 54.2 | 422 | 4.7 | 0.6 | 88 | 531 | 106.7 | 47.1 | 1.5 | 6 | 3 | 10 | 12 | — | 6.0 | 60 | 10.16 |
| Salisbury | 29.503 | 83.0 | 38.0 | 45.0 | 69.0 | 47.4 | 39.7 | 21.7 | 57.6 | 54.2 | 422 | 4.7 | 0.6 | 88 | 531 | 106.7 | 47.1 | 1.5 | 6 | 3 | 10 | 12 | — | 6.0 | 60 | 10.16 |
| Barnstable | 29.503 | 83.0 | 38.0 | 45.0 | 69.0 | 47.4 | 39.7 | 21.7 | 57.6 | 54.2 | 422 | 4.7 | 0.6 | 88 | 531 | 106.7 | 47.1 | 1.5 | 6 | 3 | 10 | 12 | — | 6.0 | 60 | 10.16 |
| Rath | 29.503 | 83.0 | 38.0 | 45.0 | 69.0 | 47.4 | 39.7 | 21.7 | 57.6 | 54.2 | 422 | 4.7 | 0.6 | 88 | 531 | 106.7 | 47.1 | 1.5 | 6 | 3 | 10 | 12 | — | 6.0 | 60 | 10.16 |
| Whitechurch | 29.503 | 83.0 | 38.0 | 45.0 | 69.0 | 47.4 | 39.7 | 21.7 | 57.6 | 54.2 | 422 | 4.7 | 0.6 | 88 | 531 | 106.7 | 47.1 | 1.5 | 6 | 3 | 10 | 12 | — | 6.0 | 60 | 10.16 |
| Royal Observatory | 29.513 | 85.1 | 43.2 | 41.9 | 70.3 | 51.1 | 37.9 | 19.2 | 69.3 | 53.1 | 404 | 4.5 | 1.1 | 80 | 528 | 118.9 | 45.4 | — | — | — | — | — | — | — | — | — |
| Blackheath | 29.523 | 82.8 | 41.8 | 40.5 | 69.1 | 50.1 | 37.9 | 18.9 | 68.8 | 52.3 | 378 | 4.2 | 1.4 | 76 | 530 | 118.7 | — | 1.8 | 5 | 5 | 10 | 10 | — | 6.3 | 46 | 7.69 |
| Camden Square | 29.541 | 84.3 | 43.7 | 41.1 | 69.1 | 54.0 | 33.5 | 15.1 | 69.6 | 52.4 | 393 | 4.4 | 1.3 | 77 | 531 | 108.9 | 48.3 | — | — | — | — | — | — | — | — | — |
| Tottenham | 29.507 | 78.7 | 43.8 | 34.7 | 65.7 | 52.4 | 32.7 | 14.3 | 68.0 | 52.8 | 400 | 4.5 | 0.9 | 81 | 533 | — | 50.3 | 1.0 | 6 | 3 | 8 | 14 | — | 5.9 | 55 | 9.11 |
| Barnet | 29.558 | 82.8 | 45.0 | 47.8 | 69.1 | 48.1 | 42.4 | 21.0 | 67.5 | 52.1 | 399 | 4.3 | 1.0 | 83 | 531 | 111.0 | 39.4 | 0.4 | 3 | 3 | 8 | 17 | — | 6.4 | 47 | 7.81 |
| Oxford | 29.526 | 80.9 | 42.5 | 38.4 | 65.6 | 40.9 | 33.1 | 11.6 | 68.2 | 51.7 | 384 | 4.8 | 1.1 | 79 | 530 | 112.1 | 65.0 | 2.4 | 4 | 3 | 11 | 13 | 3.3 | 6.9 | 62 | 8.63 |
| Royston | 29.476 | 83.4 | 40.1 | 43.3 | 69.5 | 50.9 | 34.6 | 13.6 | 68.3 | 53.1 | 405 | 4.3 | 0.8 | 82 | 529 | — | — | — | — | — | — | — | — | — | — | — |
| Hereford | 29.450 | 82.3 | 37.0 | 45.7 | 69.7 | 50.2 | 40.7 | 19.5 | 68.5 | 55.0 | 444 | 4.8 | 0.7 | 88 | 532 | 132.9 | — | 1.3 | 4 | 3 | 12 | 12 | — | 6.1 | 54 | 8.45 |
| Cambridge | 29.483 | 75.7 | 43.0 | 32.7 | 65.8 | 51.8 | 30.1 | 14.1 | 54.6 | 52.1 | 391 | 4.4 | 1.1 | 79 | 531 | 113.6 | 45.5 | 2.2 | 6 | 2 | 6 | 16 | — | 6.1 | 50 | 9.48 |
| Rugby | 29.495 | 77.0 | 42.0 | 35.0 | 66.1 | 51.3 | 32.5 | 14.8 | 57.5 | 52.0 | 386 | 4.3 | 1.0 | 81 | 533 | — | — | 1.0 | 4 | 3 | 11 | 13 | — | 6.2 | 48 | 8.70 |
| Lowestoft | 29.497 | 81.4 | 40.3 | 41.1 | 69.0 | 50.4 | 34.9 | 15.7 | 57.0 | 49.4 | 354 | 3.9 | 1.3 | 76 | 530 | 110.5 | 49.3 | 0.3 | 6 | 4 | 8 | 13 | 0.4 | 6.3 | 61 | 6.27 |
| Somerleyton | 29.492 | 81.1 | 47.0 | 34.0 | 63.8 | 53.3 | 26.4 | 10.5 | 57.9 | 50.4 | 359 | 4.1 | 1.3 | 78 | 532 | — | — | 1.0 | 6 | 3 | 6 | 16 | — | 6.6 | 43 | 6.93 |
| Wolverhampton | 29.487 | 80.9 | 46.6 | 32.2 | 63.8 | 53.1 | 27.0 | 10.6 | 57.0 | 49.9 | 360 | 4.0 | 1.2 | 77 | 530 | — | — | 1.0 | 7 | 3 | 8 | 13 | — | 6.7 | 52 | 11.45 |
| Nottingham | 29.473 | 82.6 | 42.0 | 40.0 | 66.5 | 49.8 | 34.4 | 16.7 | 57.6 | 50.3 | 370 | 4.2 | 1.2 | 78 | 533 | 112.3 | 46.4 | 1.4 | 6 | 3 | 8 | 13 | — | 6.2 | 54 | 7.95 |
| Llandudno | 29.482 | 81.1 | 47.0 | 34.0 | 63.8 | 53.3 | 26.4 | 10.5 | 57.9 | 50.4 | 359 | 4.1 | 1.3 | 78 | 532 | — | — | 1.0 | 6 | 3 | 6 | 16 | — | 6.6 | 43 | 6.93 |
| Liverpool | 29.487 | 80.9 | 46.6 | 32.2 | 63.8 | 53.1 | 27.0 | 10.6 | 57.0 | 49.9 | 360 | 4.0 | 1.2 | 77 | 530 | — | — | 1.0 | 7 | 3 | 8 | 13 | — | 6.7 | 52 | 11.45 |
| Halifax | 29.473 | 82.6 | 42.0 | 40.0 | 66.5 | 49.8 | 34.4 | 16.7 | 57.6 | 50.3 | 370 | 4.2 | 1.2 | 78 | 533 | 112.3 | 46.4 | 1.4 | 6 | 3 | 8 | 13 | — | 6.2 | 54 | 7.95 |
| Hull | 29.473 | 82.6 | 42.0 | 40.0 | 66.5 | 49.8 | 34.4 | 16.7 | 57.6 | 50.3 | 370 | 4.2 | 1.2 | 78 | 533 | 112.3 | 46.4 | 1.4 | 6 | 3 | 8 | 13 | — | 6.2 | 54 | 7.95 |
| Bradford | 29.470 | 80.0 | 45.0 | 37.0 | 65.6 | 52.4 | 32.0 | 13.8 | 57.6 | 49.0 | 356 | 4.0 | 1.4 | 74 | 530 | — | — | 1.7 | 6 | 4 | 9 | 11 | — | 6.7 | 52 | 7.55 |
| Leeds | 29.473 | 79.1 | 40.8 | 38.3 | 65.0 | 50.0 | 32.8 | 16.0 | 56.1 | 50.0 | 362 | 4.0 | 1.0 | 80 | 528 | 110.8 | 47.2 | 0.4 | 5 | 2 | 11 | 12 | — | 8.2 | 64 | 18.01 |
| Stonyhurst | 29.473 | 79.1 | 40.8 | 38.3 | 65.0 | 50.0 | 32.8 | 16.0 | 56.1 | 50.0 | 362 | 4.0 | 1.0 | 80 | 528 | 110.8 | 47.2 | 0.4 | 5 | 2 | 11 | 12 | — | 8.2 | 64 | 18.01 |
| Carlisle | 29.395 | 81.2 | 42.5 | 39.7 | 66.8 | 55.7 | 32.2 | 11.1 | 59.8 | 53.9 | 383 | 4.6 | 1.1 | 81 | 528 | 100.1 | 46.7 | 1.0 | 5 | 4 | 6 | 15 | 2.7 | 7.2 | 56 | 14.74 |

The highest temperatures of the air were at the Royal Observatory, 85°·1; at Camden Town, 84°·3; and at Royston, 83°·4.

The lowest temperatures of the air were at Barnet, 35°·0; and at Truro and Cambridge, 37°·0.

The greatest ranges of temperature were at Barnet, 47°·8; at Truro, 46°·0; and at Cambridge, 45°·3.

The least ranges of temperature were at Torquay, 29°·6; at Guernsey, 31°·0; and at Liverpool, 32°·3.

The greatest number of days of rain were at Stonyhurst, 64; at Nottingham, 61; and at Salisbury, 60.

The least number of days of rain were Osborne, 40; at Llandudno, 43; and at Guernsey, 45.

The greatest falls of rain were at Stonyhurst, 18·01 inches; at Bath, 15·23 inches; and at Carlisle, 14·74 inches.

The least falls of rain were at Nottingham, 6·27 inches; at Llandudno, 6·28 inches; and at Royston, 7·06 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Readings of the Thermometer. | Mean of all Lowest Readings of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | RAIN. Mean Amount col- lected. | |
|-----------------------------------|---|--|---|---|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|----|----|----|-----------------------|-----------------------|----------------------------|--------------------------------------|----------|
| | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | 29.565 | 78.7 | 47.7 | 31.0 | 65.1 | 53.9 | 25.6 | 11.2 | 58.4 | 54.2 | 421 | 4.7 | 0.8 | 86 | 530 | 117.1 | 47.6 | 0.9 | 6 | 4 | 8 | 12 | 2.2 | 5.2 | 45 | in. 8.41 |
| between 50° and 51° | 29.542 | 78.8 | 41.9 | 36.7 | 66.7 | 52.4 | 28.9 | 14.3 | 58.6 | 52.9 | 402 | 4.5 | 1.1 | 82 | 531 | 116.0 | 49.2 | 1.0 | 6 | 4 | 8 | 11 | 2.7 | 5.7 | 49 | 10.29 |
| 51° and 52° | 29.532 | 82.0 | 41.1 | 40.9 | 68.0 | 50.8 | 36.4 | 17.2 | 58.4 | 52.5 | 394 | 4.4 | 1.1 | 81 | 532 | 111.1 | 46.1 | 1.4 | 6 | 4 | 10 | 13 | 3.0 | 6.0 | 52 | 9.56 |
| the 52° and 53° | 29.500 | 80.0 | 40.5 | 39.5 | 66.7 | 50.9 | 35.3 | 16.6 | 58.0 | 52.3 | 394 | 4.5 | 1.0 | 81 | 531 | 119.0 | 47.4 | 1.2 | 6 | 3 | 9 | 13 | 0.4 | 6.2 | 52 | 7.96 |
| latitudes 53° and 54° | 29.479 | 81.2 | 44.3 | 34.9 | 65.0 | 51.7 | 31.0 | 13.8 | 57.2 | 49.7 | 360 | 4.0 | 1.2 | 77 | 531 | 105.6 | 46.6 | 1.4 | 6 | 3 | 8 | 14 | — | 6.7 | 50 | 8.64 |
| 54° and 55° | 29.434 | 80.6 | 41.6 | 39.0 | 65.9 | 52.9 | 32.5 | 13.9 | 58.0 | 52.0 | 373 | 4.3 | 1.1 | 81 | 528 | 110.5 | 47.0 | 0.7 | 5 | 3 | 8 | 14 | 2.7 | 7.7 | 60 | 16.38 |
| Mean for the Year 1888 | 29.586 | 78.7 | 37.4 | 41.3 | 64.5 | 49.4 | 34.0 | 15.2 | 55.8 | 50.8 | 374 | 4.2 | 0.8 | 84 | 534 | 108.2 | 45.7 | 1.1 | 7 | 5 | 8 | 10 | 2.1 | 6.7 | 50 | 9.74 |
| " 1889 | 29.554 | 80.9 | 39.3 | 43.6 | 66.5 | 50.4 | 37.9 | 16.1 | 57.3 | 51.6 | 379 | 4.3 | 1.0 | 81 | 533 | 111.4 | 47.0 | 0.9 | 7 | 5 | 8 | 11 | 1.6 | 6.3 | 43 | 8.19 |
| " 1890 | 29.565 | 77.6 | 38.2 | 39.4 | 66.8 | 51.4 | 34.6 | 15.4 | 58.1 | 51.7 | 386 | 4.3 | 1.1 | 80 | 532 | 116.2 | 47.0 | 1.0 | 6 | 4 | 7 | 13 | 1.6 | 6.3 | 45 | 8.69 |
| " 1891 | 29.497 | 80.5 | 41.9 | 38.6 | 66.6 | 51.7 | 32.8 | 14.9 | 58.0 | 51.9 | 385 | 4.3 | 1.1 | 80 | 531 | 112.4 | 47.3 | 1.1 | 5 | 3 | 9 | 13 | 2.7 | 6.5 | 53 | 10.28 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING DECEMBER 31, 1891.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING DECEMBER 31ST, 1891.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in October was mild and very wet, with frequent high wind. The temperature of the air was for a few days together a little above the average, and then for a few days a little below, till the last two days which were very cold. The atmospheric pressure was low from the 6th to the 26th, particularly so on the 13th, 21st, and 22nd, on the 13th the readings were lowest at the northern stations, and were below 28.5 inches. About London the lowest readings were about 29 inches. There was a very heavy gale of wind on the 13th and 14th, many ships were wrecked, trees were blown down, and some lives were lost. The fall of rain was heavy, causing floods in many places. At about London the rainfall was about 4.3 inches in depth, at Greenwich it was 4.3 inches; back to 1815, the instances in October of a rainfall as heavy are as follows:—

| in. | in. | in. |
|-----------------|-----------------|-----------------|
| 1882 it was 5.4 | 1855 it was 4.9 | 1841 it was 6.0 |
| 1880 " 7.7 | 1853 " 4.3 | 1831 " 5.5 |
| 1872 " 4.3 | 1846 " 5.1 | 1827 " 4.4 |
| 1865 " 6.0 | 1843 " 4.3 | 1823 " 4.4 |

The mean low night temperature of the air for October was $44^{\circ}\cdot 0$, being $0^{\circ}\cdot 8$ above the average of 50 years; it was $2^{\circ}\cdot 2$, $1^{\circ}\cdot 8$, and $6^{\circ}\cdot 3$ higher than in 1890, 1889, and 1888 respectively.

The mean low night temperature of the air for November was $37^{\circ}\cdot 7$, being $0^{\circ}\cdot 1$ above the average of 50 years; it was $0^{\circ}\cdot 5$ higher than in 1890, and $1^{\circ}\cdot 1$ and $5^{\circ}\cdot 0$ lower than in 1889 and 1888 respectively.

The mean low night temperature of the air for December was $35^{\circ}\cdot 4$, being $0^{\circ}\cdot 6$ above the average of 50 years; it was $10^{\circ}\cdot 2$ and $2^{\circ}\cdot 9$ higher than in 1890 and 1889 respectively, and $0^{\circ}\cdot 2$ lower than in 1888.

The mean daily range for October was $14^{\circ}\cdot 8$, being $0^{\circ}\cdot 2$ larger than the average; in November it was $10^{\circ}\cdot 5$, being $0^{\circ}\cdot 9$ smaller than the average; and in December it was $11^{\circ}\cdot 1$, being $1^{\circ}\cdot 8$ larger than the average.

The mean temperature of the air for October was $8^{\circ}\cdot 2$ colder than in September; in November it was $7^{\circ}\cdot 8$ colder than in October; and in December it was 2° colder than in November.

| 1891. MONTHS. | | Temperature of | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|------|----------------|---|--------------|---|------------|---|----------------------|---|-----------------------------|-------|---|--------------|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | |
| | | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | | | | |
| Oct. - | 50·9 | +1·4 | +1·2 | 48·6 | +0·8 | 46·2 | +0·5 | 14·8 | +0·2 | ·313 | +·003 | 3·5 | grs. -0·3 |
| Nov. - | 43·1 | +0·7 | -0·4 | 41·8 | +0·3 | 39·9 | +0·4 | 10·5 | -0·9 | ·246 | +·000 | 2·8 | 0·0 |
| Dec. - | 41·1 | +2·1 | +1·5 | 39·3 | +1·1 | 37·1 | +0·8 | 11·1 | +1·8 | ·221 | +·005 | 2·6 | 0·0 |
| Means - | 45·0 | +1·4 | +0·8 | 43·2 | +0·7 | 41·1 | +0·6 | 12·1 | +0·4 | ·260 | +·004 | 3·0 | -0·1 |

| 1891. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----|---------------------------|---|-----------------------------|---|--------------------------------------|---|--------------|---|---|----------------------------------|---------------------------------|----------------|--------------------------------|---------------------------------|
| | | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Mean. | Diff. from average of 50 years. | Amount. | Diff. from average of 76 years. | | Number of Nights it was | | | Lowest Reading at Night. | Highest Reading at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Oct. - | 84 | - 5 | 29·608 | -·108 | grs. 537 | - 8 | 4·32 | +1·58 | 310 | 3 | 18 | 10 | 0 20·2 | 0 50·0 | |
| Nov. - | 83 | - 3 | 29·670 | -·071 | grs. 546 | - 2 | 2·01 | -0·34 | 230 | 13 | 13 | 4 | 24·0 | 41·5 | |
| Dec. - | 86 | - 3 | 29·804 | +·011 | 551 | - 2 | 2·67 | +0·71 | 374 | 13 | 15 | 3 | 15·4 | 43·2 | |
| Means - | 85 | - 4 | 29·694 | -·056 | 545 | - 2 | Sum 9·00 | Sum +1·95 | Mean 305 | Sum 29 | Sum 46 | Sum 17 | Lowest 15·4 | Highest 50·0 | |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|-----------|----------|-------------------------------|
| | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. | 1891. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 1 | 2½ | - 1½ | 3 | 2½ | + ½ | 2 | 2½ | - ½ |
| N. | 2 | 3½ | - 1½ | 3 | 4½ | - 1½ | 1 | 3 | - 2 |
| N.E. | 6 | 3 | + 3 | 7 | 4 | + 3 | 4 | 2½ | + 1½ |
| E. | 2 | 1½ | + ½ | 1 | 2½ | - 1½ | 3 | 2 | + 1 |
| S.E. | 4 | 2 | + 2 | 7 | 2½ | + 4½ | 4 | 2 | + 2 |
| S. | 6 | 4 | + 2 | 4 | 4 | 0 | 3 | 3½ | - ½ |
| S.W. | 9 | 10 | - 1 | 4 | 8½ | - 4½ | 13 | 11 | + 2 |
| W. | 1 | 4½ | - 3½ | 1 | 2½ | - 1½ | 1 | 4½ | - 3½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in October are N.E., S.E., and S.; in November are S.E., N.E., and N.W.; and in December are S.W., S.E., N.E., and E.

The sign (-) denotes deficiencies below averages; the numbers affected by this sign in October are W., N., and N.W.; in November are S.W., W., N., and E.; and in December are W. and N.

(From the preceding 50 years' observations the decrease from September to October is $7^{\circ}\cdot 3$, from October to November the decrease is $6^{\circ}\cdot 2$, and from November to December the decrease is $3^{\circ}\cdot 9$.)

From September to October there was a decrease of temperature at stations south of 51° of $6^{\circ}\cdot 3$; between 51° and 53° of $7^{\circ}\cdot 8$; and at stations south of this parallel of $8^{\circ}\cdot 4$.

From October to November there was a decrease of $6^{\circ}\cdot 9$ at stations south of 52° ; between 52° and 53° of $7^{\circ}\cdot 7$; and at stations north of this parallel of $6^{\circ}\cdot 6$.

From November to December there was a decrease of $0^{\circ}\cdot 5$ at stations south of 51° ; between 51° and 52° of $2^{\circ}\cdot 3$; between 52° and 53° of $2^{\circ}\cdot 7$; and at stations north of this parallel of $2^{\circ}\cdot 3$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of October was 29·608 ins., being $0^{\circ}\cdot 108$ in. below the average of 50 years; it was $0^{\circ}\cdot 313$ in. lower than in 1890, $0^{\circ}\cdot 087$ in. higher than in 1889, and $0^{\circ}\cdot 280$ in. lower than in 1888.

The mean reading of the barometer for November was 29·670 ins., being $0^{\circ}\cdot 071$ in. below the average of 50 years; it was $0^{\circ}\cdot 031$ in. and $0^{\circ}\cdot 373$ in. lower than in 1890 and 1889 respectively; and $0^{\circ}\cdot 046$ in. higher than in 1888.

The mean reading of the barometer for December was 29·804 ins., being $0^{\circ}\cdot 011$ in. above the average of 50 years; it was $0^{\circ}\cdot 047$ in., $0^{\circ}\cdot 206$ in., and $0^{\circ}\cdot 005$ in. lower than in 1890, 1889, and 1888 respectively.

From September to October there was a decrease of atmospheric pressure at all stations of about $0^{\circ}\cdot 23$ in.

From October to November there was an increase at all stations; at those south of 52° of $0^{\circ}\cdot 08$ in.; between 52° and 53° of $0^{\circ}\cdot 09$ in.; and at stations north of this parallel of $0^{\circ}\cdot 13$ in.

From November to December there was an increase at all stations; at those south of 51° of $0^{\circ}\cdot 18$ in.; between 51° and 52° of $0^{\circ}\cdot 13$ in.; between 52° and 53° of $0^{\circ}\cdot 08$ in.; and at stations north of this parallel of $0^{\circ}\cdot 04$ in.

About London the atmospheric pressure was above its average till the 5th of October, with the exception of the 1st, which was below, the mean daily excess being $0^{\circ}\cdot 10$ in.; from October 6th to the 26th it was below, being particularly so on the 13th, 21st, and 22nd days, when it was as much as $0^{\circ}\cdot 54$ in., $0^{\circ}\cdot 65$ in., and $0^{\circ}\cdot 72$ in. respectively below; the mean daily deficiency for the 21 days being $0^{\circ}\cdot 24$ in.; from October 27th to November 8th it was above, being particularly so on the 30th and 31st of October and the 1st, 2nd, and 5th of November, when it was more than $\frac{1}{2}$ an inch above on all these days, the mean daily excess for these 13 days being $0^{\circ}\cdot 44$ in.; from November 9th to December 16th it was generally below, being particularly so on the 11th of November, when it was as much as $1^{\circ}\cdot 30$ in. below, while on the 13th, 14th, and 15th of November, and 10th and 13th of December, it was as much as $0^{\circ}\cdot 85$ in., $0^{\circ}\cdot 67$ in., $0^{\circ}\cdot 78$ in., $0^{\circ}\cdot 77$ in., and $0^{\circ}\cdot 80$ in. respectively below, the mean daily deficiency for the 38 days ending December 16th being $0^{\circ}\cdot 24$ in.; from the 17th to the 24th it was above, being on several days more than $\frac{1}{2}$ an inch above, the mean daily excess for the 8 days being $0^{\circ}\cdot 51$ in.; and from the 25th to the 31st it was below, the mean daily deficiency being $0^{\circ}\cdot 27$ in.

Thunderstorms occurred in October on the 2nd at Lowestoft and Somerleyton; on the 8th at Barnet, Lowestoft, and Somerleyton; on the 12th at Halifax; on the 13th at Whitechurch; on the 14th at Guernsey, Truro, Torquay, Bath, Oxford, Royston, Hereford, Cambridge, Halifax, Leeds, and Stonyhurst; on the 15th at Bath, Royston, Cambridge, and Somerleyton; and on the 21st at Torquay.

In November on the 10th at Salisbury; and on the 15th at Torquay.

In December on the 9th at Hereford; on the 11th at Truro and Torquay; on the 13th at Torquay and Osborne; on the 27th at Halifax and Stonyhurst; and on the 29th at Halifax.

Thunder was heard but lightning was not seen in October on the 7th at Whitechurch and Royston; on the 12th at Royston and Stonyhurst; on the 14th at Llandudno; on the 15th at Blackheath, Royal Observatory, Royston, Lowestoft, and Hull; on the 18th at Halifax; and on the 20th and 21st at Carlisle.

In December on the 28th at Halifax.

Lightning was seen but thunder was not heard in October on the 6th at Torquay; on the 7th at Blackheath, Royal Observatory, and Oxford; on the 15th at Liverpool; on the 17th at Stonyhurst; and on the 20th at Liverpool.

In November on the 9th at Liverpool; and on the 15th at Torquay.

In December on the 8th and 11th at Halifax; on the 12th and 15th at Torquay; on the 28th at Osborne; and on the 30th at Blackheath, Royal Observatory, and Halifax.

Solar halos were seen in October on the 3rd at Oxford; on the 4th at Torquay; on the 7th at Torquay and Oxford; on the 8th at Halifax; on the 18th at Torquay and Halifax; and on the 22nd at Liverpool and Halifax.

In November on the 9th at Liverpool; on the 10th at Torquay and Whitechurch; on the 11th and 16th at Torquay; on the 20th at Oxford; on the 25th at Halifax; and on the 27th at Torquay.

In December on the 2nd and 4th at Torquay; on the 5th at Oxford and Halifax; on the 6th at Torquay and Oxford; on the 8th at Torquay; on the 9th at Liverpool; on the 14th at Torquay and Oxford; and on the 26th and 28th at Halifax.

Lunar halos were seen in October on the 15th at Stonyhurst; on the 16th at Torquay, Oxford, and Cambridge; on the 18th at Cambridge; on the 19th at Torquay, Oxford, and Cambridge; and on the 20th at Cambridge.

In November on the 10th and 11th at Cambridge; on the 13th at Stonyhurst; on the 14th at Oxford and Stonyhurst; on the 15th and 16th at Torquay; on the 17th at Oxford, Royston, Liverpool, Halifax, and Stonyhurst; and on the 18th at Halifax.

In December on the 8th at Oxford; on the 11th and 12th at Torquay; on the 14th at Liverpool, Halifax, and Stonyhurst; on the 17th at Liverpool; on the 18th at Oxford; and on the 19th at Torquay.

Snow fell in November on the 25th at Liverpool and Leeds; and on the 26th at Liverpool, Halifax, and Stonyhurst.

In December on the 6th at Halifax; on the 7th at Carlisle; on the 11th at Royston, Liverpool, Halifax, Leeds, and Stonyhurst; on the 12th at Hereford, Liverpool, Halifax, Stonyhurst, and Carlisle; on the 25th at Carlisle; and on the 28th at Halifax and Carlisle.

Hail fell in October on the 2nd at Cambridge; on the 8th at Lowestoft; on the 13th at Whitechurch; on the 14th at Guernsey, Truro, Torquay, Osborne, Bath, Oxford, Royston, Cambridge, and Hull; on the 15th at Torquay, Osborne, Bath, Cambridge, and Carlisle; and on the 17th and 21st at Torquay.

In November on the 9th at Truro, Stonyhurst, and Carlisle; on the 10th at Carlisle; on the 11th at Truro, Liverpool, and Halifax; on the 12th at Torquay and Hereford; on the 13th at Torquay, Osborne, and Salisbury; on the 17th at Liverpool; on the 21st at Truro; and on the 26th at Liverpool and Stonyhurst.

In December on the 7th at Torquay, Osborne, Salisbury, and Oxford; on the 10th at Liverpool and Carlisle; on the 11th at Truro, Torquay, Osborne, Royston, Hereford, Liverpool, and Stonyhurst; on the 13th at Truro, Torquay, and Salisbury; on the 14th at Oxford; on the 26th and 27th at Torquay; on the 29th at Halifax and Stonyhurst; and on the 31st at Liverpool and Stonyhurst.

Fog prevailed in October on the 4th and 5th at Bath, Whitechurch, Blackheath, Royal Observatory, and Cambridge; on the 10th at Torquay; on the 23rd at Leeds and Carlisle; on the 24th at Oxford, Royston, Cambridge, Wolverhampton, and Stonyhurst; on the 25th at Bath, Royston, Cambridge, Rugby, Wolverhampton, and Liverpool; on the 29th at Halifax; on the 30th at Whitechurch, Blackheath, Royal Observatory, Oxford, Wolverhampton, and Halifax; and on the 31st at Halifax.

In November on the 1st at Bath; on the 3rd at Carlisle; on the 6th at Blackheath and Royal Observatory; on the 7th at Bath, Whitechurch, and Rugby; on the 8th at Whitechurch, Oxford, and Cambridge; on the 9th at Oxford; on the 14th at Bath, Cambridge, and Wolverhampton; on the 15th at Bath; on the 16th at Royston and Cambridge; on the 17th at Whitechurch; on the 18th at Torquay, Bath, and Whitechurch; on the 21st at Somerleyton; on the 22nd at Truro; on the 23rd at Truro and in the midland counties; on the 24th at Truro, Bath, and in the midland and northern stations; on the 25th at Truro and in the midland counties; on the 26th at Stonyhurst; on the 27th at Stonyhurst and Carlisle; on the 29th at Osborne, Whitechurch, and Oxford; and on the 30th at Truro, Osborne, in the midland counties, and at Leeds.

In December on the 2nd at Wolverhampton; on the 4th at Torquay; on the 12th at Oxford and Royston; on the 14th at Torquay; on the 15th at Oxford, Royston, Somerleyton, Wolverhampton, and Stonyhurst; on the 17th and 18th at Oxford, Wolverhampton, and Leeds; on the 19th at Oxford; on the 20th at Oxford and Leeds; on the 21st, 22nd, 23rd, 24th, and 25th fog prevailed throughout the country, being very dense in and around the suburbs of London; and on the 30th at Somerleyton and Halifax.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31st, 1891.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1891. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | | Temperature of Air in Month. | | | | Mean Temperature. | Vapour. | | | Mean Dew Point. | Mean Relative Humidity. | Mean Amount of Rain. | Mean Amount of Cloud. | Number of Days in Month. | Amount of Rain. |
|--------------|------------------------------------|--|----------------------------------|--------|----------|---------|------------------------------|-----------------|----------------|----------------|-------------------|-------------------------|----------------------|-----|-----------------|-------------------------|----------------------|-----------------------|--------------------------|-----------------|
| | | | Mean. | Range. | Highest. | Lowest. | Range. | Mean. | | Elastic Force. | | In a cubic foot of Air. | Short of Saturation. | | | | | | | |
| | | | | | | | | Of All Highest. | Of All Lowest. | | | | | | | | | | | |
| Months. | feet. | | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. |
| Oct. 29-447 | 275 | GUERNSEY, A. COLLETT, Esq., F. R. Met. Soc. | 29.447 | 1.375 | 78.7 | 41.0 | 37.7 | 39.3 | 49.3 | 10.0 | 48.9 | 3.44 | 0.8 | 3.9 | 0.4 | 0.8 | 0.4 | 0.8 | 0.4 | 0.8 |
| Nov. 29-523 | | | 29.523 | 1.058 | 56.4 | 23.4 | 24.0 | 51.1 | 43.1 | 8.0 | 47.0 | 43.9 | 2.87 | 3.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Dec. 29-761 | | | 29.761 | 1.183 | 60.4 | 28.3 | 28.1 | 49.7 | 42.5 | 7.2 | 46.0 | 43.9 | 2.80 | 3.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Oct. 29-360 | 45 | TRURO (Cornwall), H. CHURCH, Esq., F. R. Met. Soc. | 29.360 | 1.440 | 60.0 | 35.0 | 31.0 | 59.0 | 43.6 | 15.4 | 52.1 | 47.9 | 3.38 | 0.6 | 3.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Nov. 29-776 | | | 29.776 | 1.810 | 48.0 | 30.0 | 32.4 | 39.3 | 12.4 | 46.2 | 37.2 | 2.93 | 2.0 | 3.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Dec. 29-943 | | | 29.943 | 1.230 | 67.0 | 27.0 | 24.0 | 51.3 | 59.9 | 11.4 | 47.9 | 39.0 | 2.87 | 1.0 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Oct. 29-410 | 85 | TORQUAY, Babacombe (Devon), F. R. Met. Soc. | 29.410 | 1.400 | 61.5 | 39.2 | 34.3 | 55.7 | 45.3 | 11.4 | 50.8 | 48.3 | 3.15 | 3.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Nov. 29-661 | | | 29.661 | 1.532 | 57.8 | 27.3 | 27.3 | 59.2 | 39.7 | 10.5 | 44.9 | 49.8 | 2.84 | 2.9 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Dec. 29-634 | | | 29.634 | 1.389 | 54.7 | 19.2 | 25.5 | 49.5 | 8.6 | 43.1 | 41.4 | 2.61 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| July 29-210 | 12 | EASTBOURNE, Miss W. L. Hall. | 29.210 | 0.638 | 71.7 | 48.5 | 33.2 | 33.7 | 12.5 | 39.0 | 33.3 | 4.07 | 4.6 | 1.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Aug. 29-325 | | | 29.325 | 0.632 | 68.7 | 45.2 | 29.5 | 35.4 | 10.8 | 38.7 | 37.1 | 3.80 | 4.3 | 1.2 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Sept. 29-729 | | | 29.729 | 1.293 | 73.5 | 46.2 | 37.3 | 64.9 | 53.5 | 11.4 | 58.3 | 51.8 | 3.57 | 4.3 | 1.2 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Oct. 29-577 | 172 | OSBORNE (Isle of Wight), J. R. F. Met. Soc. | 29.577 | 1.440 | 64.6 | 55.4 | 29.2 | 37.5 | 46.4 | 11.1 | 51.1 | 48.3 | 3.80 | 3.8 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-688 | | | 29.688 | 1.584 | 54.6 | 24.7 | 23.9 | 47.4 | 37.8 | 9.6 | 43.7 | 41.7 | 2.65 | 3.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-564 | | | 29.564 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Oct. 29-654 | 183 | SALISBURY (Wilton House), Thomas Challis, Esq. | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Dec. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | 17.2 | 43.0 | 37.7 | 2.25 | 2.6 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Oct. 29-654 | | | 29.654 | 1.532 | 68.0 | 27.0 | 27.0 | 41.0 | 38.3 | 15.6 | 48.5 | 45.8 | 3.09 | 3.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Nov. 29-771 | | | 29.771 | 1.461 | 59.0 | 27.0 | 27.0 | 47.9 | 39.7 | | | | | | | | | | | |

[illegible]

| Year 1881. | Month. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | | | Mean Tem- perature. | Vapour. | | Mean Weight of a cubic foot of Air. | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Rain. Number of Days it fell. | Amount in Inch. | |
|---|--------|--|--------|----------|------------------------------|--------|-----------------|----------------|-------|------------------------|-------------------------------------|---|---|------------------------------------|---------------------------|------|-----|-----------------------------|-----------------------------|-------------------------------------|-----------------------|----|
| | | Mean. | Range. | Highest. | Lowest. | Range. | Of all Highest. | Of all Lowest. | Mean. | | Short of a cubic foot of Air. | Mean Degree of Humi- dity. Sat. = 100. | | | Relative Proportion of | N. | E. | | | | | W. |
| | | | | | | | | | | | | | | | | | | | | | | |
| LIVERPOOL, The Observatory JOHN HARTUP, Esq., F.R.A.S. | Oct. | 29.453 | 31.277 | 63.15 | 33.73 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Nov. | 29.561 | 31.268 | 61.1 | 35.2 | 28.7 | 52.7 | 38.4 | 10.4 | 48.4 | 43.4 | 281 | 3.2 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Dec. | 29.628 | 31.559 | 58.3 | 31.7 | 27.5 | 45.1 | 35.5 | 9.6 | 40.2 | 35.5 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Jan. | 29.785 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Feb. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Mar. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Apr. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | May. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Jun. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Jul. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Aug. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| | Sept. | 29.918 | 31.183 | 57.4 | 29.9 | 25.8 | 43.7 | 33.7 | 7.1 | 40.6 | 33.7 | 206 | 2.4 | 0.5 | 84 | 56. | 7.0 | 21 | 5.13 | | | |
| BRADFORD (Yorkshire), J. McARDONOUGH, Esq., C.E., F.R.G.S. | Oct. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Nov. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Dec. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Jan. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Feb. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Mar. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Apr. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | May. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Jun. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Jul. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Aug. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| | Sept. | 29.738 | 31.588 | 63.0 | 35.0 | 29.2 | 54.9 | 41.1 | 10.8 | 48.4 | 43.4 | 281 | 3.2 | 0.6 | 83 | 57. | 37. | 3.2 | 22 | 9.0 | | |
| LEEDS (Yorkshire), The Philosophical Hall, EDGAR R. WAITE, Esq. | Oct. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Nov. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Dec. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jan. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Feb. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Mar. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Apr. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | May. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jun. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jul. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Aug. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Sept. | 29.545 | 31.455 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| STONTHURST (Lancashire), REV. W. SIDGRAVES, F. R. Met. Soc., F.R.A.S. | Oct. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Nov. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Dec. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jan. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Feb. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Mar. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Apr. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | May. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jun. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jul. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Aug. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Sept. | 29.500 | 31.400 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| CARLISLE, Spital (Cumberland), ISAAC CARTMEL, Esq., F. R. Met. Soc. | Oct. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Nov. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Dec. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jan. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Feb. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Mar. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Apr. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | May. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jun. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Jul. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Aug. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |
| | Sept. | 29.460 | 31.360 | 62.5 | 34.5 | 29.5 | 53.5 | 40.5 | 10.5 | 47.5 | 42.5 | 275 | 3.0 | 0.5 | 82 | 56.5 | 7.0 | 21 | 5.05 | | | |

| Second Rain-gauges are placed— | | | | | | | | | |
|---|---------------------------|--------------------------|--------------------------|------|------|------|-------------------|--|--|
| At The Cemetery, Eastbourne, at the height of | | | | | | | | | |
| | 4 feet above the ground ; | 100 feet above the sea ; | the amount collected was | Oct. | Nov. | Dec. | Total in Quarter. | | |
| | 1 foot | | | ins. | ins. | ins. | ins. | | |
| " Beesley Head | " | 51.5 | " | " | " | " | " | | |
| " | " | 40.5 | " | " | " | " | " | | |
| " Oxford " | 1 " | 22 | " | " | " | " | " | | |
| " | 22 feet | 234 | " | " | 3.44 | 3.15 | 11.41 | | |
| " | 76 " | 291 | " | " | 1.75 | 2.85 | 8.64 | | |
| " Nettingham | " | " | " | " | " | " | " | | |

Meteorological Tables, Quarter ending December 31st, 1891.

| NAMES OF STATIONS. | | Mean Pressure of dry Air reduced to the level of the Sea. Highest Reading of the Thermometer. Mean Reading of the Thermometer. Range of Temperature in the Quarter. Mean of all Highest. Mean of all Lowest. Mean Monthly Range of Temperature. Mean Daily Range of Temperature. Mean Temperature of the Air. Mean Temperature of the Dew Point. Mean Elastic Force of Vapour. Mean Weight of Vapour in a cubic foot of Air. Mean additional Weight required for saturation. Mean degree of Humidity. Mean Weight of a cubic foot of Air. Mean Reading of Maximum in Rays of Sun. Mean Reading of Minimum on Grass. Mean Estimated Strength. | | | | | | | | | | WIND. | | | | Mean Amount of Ozone. Mean Amount of Cloud. | | RAIN. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|--------|------|------|------|------|------|------|-----|------|------------------------|-----|------|-----|--|-----------------------|----------------------------------|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Relative Proportion of | | | | | | Number of Days on which it fell. | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | N. | E. | S. | W. | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - | - | 29.580 | 78.7 | 28.3 | 50.4 | 53.4 | 45.0 | 29.9 | 8.4 | 40.0 | 45.3 | in. | grs. | gr. | gr. | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° |

The highest temperatures of the air were at Guernsey, 78° 7; at the Royal Observatory, 68° 3; and at Salisbury, 68° 0.
 The lowest temperatures of the air were at Barnet, 10° 0; at Rugby, 11° 0; and at Royston, 13° 8.
 The greatest ranges of temperature were at Barnet, 68° 2; at Royston, 52° 4; and at Rugby, 52° 2.
 The least ranges of temperature were at Torquay, 35° 1; and at Llandudno and Carlisle, 39° 2.
 The greatest number of days of rain were at Torquay, 70; at Nottingham, 68; and at Leeds, 65.
 The least number of days of rain were at Barnstaple, 49; and at Whitechurch and Blackheath, 50.
 The greatest falls of rain were at Torquay, 20.47 inches; at Salisbury, 19.01 inches; and at Truro, 18.80 inches.
 The least falls of rain were at Lowestoft, 8.11 inches; at Somerleyton, 8.12 inches; and at Blackheath, 8.97 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | | | | | | | | | | WIND. | | | | | | | | | | | RAIN. | | |
|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|------------------------------|--|--|
| LATITUDE, &c. | | | | | | | | | | | Relative Proportion of | | | | | | | | | | | Mean Amount of Ozone | | |
| Mean Pressure of dry Air reduced to the level of the Sea. | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | Mean Number of Days it fell. | | |
| Mean of all Highest. | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | Mean Amount collected. | | |
| Mean of all Lowest. | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| Mean Monthly Range of Temperature. | | | | | | | | | | | Mean of all Lowest Readings of the Thermometer. | | | | | | | | | | | | | |
| Mean Daily Range of Temperature. | | | | | | | | | | | Mean of all Lowest Readings of the Thermometer. | | | | | | | | | | | | | |
| Mean Temperature of the Air. | | | | | | | | | | | Mean Range of Temperature in the Quarter. | | | | | | | | | | | | | |
| Mean Temperature of the Dew Point. | | | | | | | | | | | Mean of all Highest. | | | | | | | | | | | | | |
| Mean Elastic Force of Vapour. | | | | | | | | | | | Mean of all Lowest. | | | | | | | | | | | | | |
| Mean Weight of Vapour in a cubic foot of Air. | | | | | | | | | | | Mean Monthly Range of Temperature. | | | | | | | | | | | | | |
| Mean additional Weight required for saturation. | | | | | | | | | | | Mean Daily Range of Temperature. | | | | | | | | | | | | | |
| Mean degree of Humidity. | | | | | | | | | | | Mean Temperature of the Air. | | | | | | | | | | | | | |
| Mean Weight of a cubic foot of Air. | | | | | | | | | | | Mean Temperature of the Dew Point. | | | | | | | | | | | | | |
| Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | Mean Elastic Force of Vapour. | | | | | | | | | | | | | |
| Mean Reading of Minimum on Grass. | | | | | | | | | | | Mean Weight of Vapour in a cubic foot of Air. | | | | | | | | | | | | | |
| Mean Estimated Strength. | | | | | | | | | | | Mean additional Weight required for saturation. | | | | | | | | | | | | | |
| N. E. S. W. | | | | | | | | | | | Mean degree of Humidity. | | | | | | | | | | | | | |
| Mean Amount of Ozone | | | | | | | | | | | Mean Weight of a cubic foot of Air. | | | | | | | | | | | | | |
| Mean Number of Days it fell. | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| Mean Amount collected. | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | N. E. S. W. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Maximum in Rays of Sun. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Reading of Minimum on Grass. | | | | | | | | | | | | | |
| | | | | | | | | | | | Mean Estimated Strength. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | WIND. | | | | Mean Amount of Onset. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. Amount collected. | |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------------------------|-------|
| | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | 29.580 | 78.7 | 28.3 | 50.4 | 53.4 | 45.0 | 29.9 | 8.4 | 49.0 | 45.3 | 30.4 | 3.5 | 0.5 | 87 | 538 | 85.5 | 39.5 | 1.4 | 4 | 8 | 10 | 9 | 2.3 | 6.2 | 60 | 17.11 |
| Truro | 29.532 | 66.0 | 36.0 | 40.0 | 54.0 | 40.9 | 31.0 | 13.1 | 48.7 | 41.4 | 26.5 | 3.0 | 0.9 | 77 | 542 | — | — | 1.6 | 5 | 6 | 9 | 10 | — | 5.7 | 70 | 18.80 |
| Torquay | 29.576 | 63.5 | 28.4 | 35.1 | 52.0 | 41.8 | 26.0 | 10.2 | 46.9 | 42.8 | 27.7 | 3.2 | 0.5 | 86 | 539 | 83.5 | 36.4 | 1.7 | 4 | 6 | 9 | 11 | 5.0 | 6.9 | 62 | 20.47 |
| Eastbourne | 29.587 | 64.6 | 24.9 | 39.7 | 51.2 | 41.1 | 28.3 | 10.0 | 45.9 | 43.4 | 28.3 | 3.3 | 0.3 | 91 | 544 | 73.2 | 38.4 | 0.6 | 5 | 6 | 8 | 11 | — | 5.9 | 59 | 16.77 |
| Salisbury | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Barnstaple | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Bath | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Whitechurch | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Royal Observatory | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Blackheath | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Camden Square | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Tottenham | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Barnet | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Oxford | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Royston | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Hereford | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Cambridge | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Rugby | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Lowestoft | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Somerleyton | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Wolverhampton | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Nottingham | 29.597 | 68.0 | 17.0 | 51.0 | 51.7 | 35.2 | 37.7 | 16.5 | 43.7 | 41.2 | 28.1 | 3.0 | 0.3 | 91 | 546 | 74.7 | 34.8 | 1.4 | 6 | 4 | 9 | 11 | — | 6.6 | 60 | 19.01 |
| Llandudno | 29.594 | 63.2 | 23.0 | 36.3 | 50.6 | 44.8 | 30.1 | 9.8 | 45.9 | 40.4 | 25.4 | 2.9 | 0.6 | 81 | 543 | — | — | 1.4 | 4 | 11 | 12 | — | 5.6 | 54 | 11.81 | |
| Liverpool | 29.633 | 61.5 | 21.0 | 39.5 | 49.4 | 39.4 | 29.7 | 9.7 | 46.3 | 41.8 | 23.8 | 2.7 | 0.8 | 83 | 544 | — | — | 3.6 | 6 | 11 | 10 | — | 7.0 | 63 | 10.02 | |
| Halifax | 29.607 | 69.3 | 17.5 | 43.8 | 48.2 | 36.8 | 31.2 | 11.5 | 41.7 | 37.8 | 22.1 | 2.7 | 0.4 | 88 | 540 | 63.0 | 32.6 | 0.8 | 3 | 8 | 12 | — | 7.3 | 58 | 14.97 | |
| Hull | 29.565 | 63.6 | 18.0 | 45.0 | 49.7 | 37.6 | 33.0 | 12.2 | 43.7 | 39.4 | 24.6 | 2.8 | 0.5 | 85 | 540 | 66.2 | 32.3 | 1.4 | 4 | 6 | 11 | 10 | — | 5.5 | 62 | 9.81 |
| Bradford | 29.594 | 65.9 | 16.1 | 46.8 | 49.7 | 38.9 | 31.4 | 9.7 | 43.5 | 38.7 | 23.7 | 2.7 | 0.6 | 83 | 541 | 66.0 | — | 0.8 | 7 | 8 | 9 | — | 7.9 | 61 | 11.62 | |
| Leeds | 29.623 | 63.9 | 17.0 | 46.0 | 47.6 | 39.2 | 31.7 | 8.2 | 43.9 | 39.0 | 24.1 | 2.5 | 0.5 | 88 | 546 | — | — | 1.4 | 4 | 6 | 10 | 10 | — | 7.6 | 65 | 10.61 |
| Stonyhurst | 29.537 | 62.8 | 14.0 | 48.8 | 49.2 | 36.3 | 35.7 | 12.9 | 42.3 | 38.6 | 23.0 | 2.7 | 0.5 | 88 | 542 | 77.9 | 32.7 | 0.5 | 6 | 5 | 11 | 9 | — | 7.5 | 58 | 17.12 |
| Carlisle | 29.487 | 61.4 | 22.0 | 39.2 | 49.3 | 41.0 | 31.1 | 8.8 | 44.5 | 39.6 | 24.5 | 2.8 | 0.6 | 84 | 544 | 64.3 | 33.2 | 0.5 | 3 | 6 | 10 | 12 | 2.8 | 7.2 | 51 | 11.14 |

The highest temperatures of the air were at Guernsey, 78° 7; at the Royal Observatory, 68° 3; and at Salisbury, 68° 0.
 The lowest temperatures of the air were at Barnet, 10° 0; at Rugby, 11° 0; and at Royston, 13° 8.
 The greatest ranges of temperature were at Barnet, 56° 2; at Royston, 52° 4; and at Rugby, 52° 2.
 The least ranges of temperature were at Torquay, 33° 1; and at Llandudno and Carlisle, 39° 2.
 The greatest number of days of rain were at Truro, 70; at Nottingham, 68; and at Leeds, 65.
 The least number of days of rain were at Barnstaple, 49; and at Whitechurch and Blackheath, 50.
 The greatest falls of rain were at Torquay, 20.47 inches; at Salisbury, 19.01 inches; and at Truro, 18.80 inches.
 The least falls of rain were at Lowestoft, 8.11 inches; at Somerleyton, 8.12 inches; and at Blackheath, 8.97 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Ings of the Thermomet ers of the Lowest Read ings of the Thermomet ers of the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Onset. | Mean Amount of Cloud. | Mean Number of Days it fell. | RAIN. Mean Amount col- lected. | | | |
|--|-------------|---|--|----------------------|---------------------|--|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|------|-----|----|-----------------------|-----------------------|---------------------------------|--|-----|----|-------|
| | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guernsey | - | in. | 19.580 | 78.7 | 28.3 | 50.4 | 53.4 | 45.0 | 29.9 | 8.4 | 49.0 | 45.3 | 30.4 | 3.5 | 0.5 | 87 | 538 | 85.5 | 39.5 | 1.4 | 4 | 8 | 10 | 9 | 2.3 | 6.2 | 60 | 17.11 |
| Between the latitudes | 50° and 51° | | 29.572 | 64.7 | 24.4 | 38.3 | 52.4 | 41.8 | 33.4 | 11.1 | 47.2 | 42.5 | 27.2 | 3.2 | 0.6 | 85 | 542 | 78.4 | 37.4 | 1.3 | 5 | 6 | 9 | 11 | 5.0 | 5.2 | 64 | 18.68 |
| | 52° and 53° | | 29.597 | 63.8 | 16.2 | 47.7 | 49.7 | 37.8 | 35.8 | 12.6 | 44.5 | 40.9 | 25.9 | 3.0 | 0.5 | 87 | 546 | 69.2 | 33.6 | 1.3 | 5 | 6 | 10 | 10 | 2.4 | 6.3 | 53 | 11.74 |
| | 53° and 54° | | 29.545 | 62.2 | 18.8 | 43.4 | 49.0 | 38.8 | 31.2 | 10.3 | 48.6 | 39.0 | 24.0 | 2.8 | 0.5 | 84 | 544 | 70.0 | 34.3 | 1.3 | 5 | 5 | 11 | 10 | — | 5.2 | 64 | 19.00 |
| | 54° and 55° | | 29.502 | 62.1 | 18.1 | 44.0 | 49.3 | 38.7 | 33.4 | 10.6 | 48.4 | 39.1 | 24.0 | 2.8 | 0.6 | 86 | 543 | 71.1 | 33.0 | 0.7 | 5 | 6 | 10 | 11 | — | 6.8 | 61 | 11.42 |
| Mean for the Quarter, 50° to 53° | Year 1888 | | 29.645 | 60.4 | 23.7 | 36.7 | 50.9 | 39.3 | 33.4 | 11.6 | 44.6 | 41.3 | 26.0 | 3.0 | 0.5 | 87 | 545 | 75.4 | 34.0 | 1.1 | 4 | 7 | 8 | 9 | 1.5 | 7.0 | 68 | 8.62 |
| | " 1889 | | 29.749 | 60.4 | 23.4 | 37.0 | 49.5 | 38.5 | 33.8 | 11.0 | 43.9 | 40.0 | 25.3 | 2.9 | 0.4 | 88 | 548 | 71.7 | 34.0 | 0.9 | 4 | 6 | 8 | 10 | 1.7 | 7.2 | 68 | 7.88 |
| | " 1890 | | 29.761 | 60.7 | 23.1 | 36.8 | 49.7 | 38.2 | 35.7 | 11.4 | 41.9 | 37.5 | 23.5 | 2.7 | 0.3 | 85 | 550 | 67.3 | 31.1 | 1.0 | 7 | 7 | 7 | 10 | 1.7 | 7.0 | 66 | 7.12 |
| | " 1891 | | 29.664 | 63.7 | 19.3 | 44.5 | 50.2 | 38.8 | 35.0 | 11.4 | 44.4 | 40.3 | 25.3 | 2.9 | 0.5 | 86 | 544 | 72.2 | 34.2 | 1.1 | 5 | 6 | 10 | 10 | 2.6 | 6.4 | 68 | 13.23 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING MARCH 31, 1892.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING MARCH 31ST, 1892.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in January was dry, and for the most part very cold, with frequent N.E. and N.W. winds, and snow, till the 20th; it was mild with strong S.W. wind at the end of the month. The temperature of the air was below its average on nearly every day till the 21st, with severe frost on several nights; from the 22nd, with the exception of two days, the mean temperature was above the average. The atmospheric pressure, with the exception of the 2nd, 3rd, and 4th, was low, particularly so on the 6th, 7th, 8th, and 9th, and 14th, 15th, and 16th days; from the 23rd the readings of the barometer were above their average. The fall of rain was less than the average; snow fell frequently between the 6th and the 20th.

The weather in February was dry, dull, and moderately warm till the 11th, then cold, being exceptionally severe from the 16th to the 20th; then warm for a few days, and cold at the end of the month. The temperature of the air till the 11th was a little above the average; a cold period set in on the 12th, and was particularly severe on the 16th, 17th, 18th, and 19th, when the departures of their mean temperatures below their averages were as large as 10° 7, 14° 3, 11° 2, and 11° 3 respectively. On the morning of the 17th the temperature was 16° at Blackheath, and very low temperature was general on this morning, and in many cases less than 16°, as at Hereford 15° 2, Salisbury 15°, Wolverhampton 13° 4, Cambridge, Barnet, and Halifax 13°, Royston 12° 2, Hull 12°, Nottingham 9° 7, Somerleyton 9° 6, Stonyhurst 8° 1, and Carlisle 2° 2; and there is no doubt that at many places in the north the temperature was below zero; whilst in the south the lowest in the month at Guernsey was 28° 1, at Ventnor 22° 6, and at Truro, Torquay, Osborne, and Barnstap

mean daily excess for the 21 days ending February 11th being $3^{\circ}5$; from February 12th to the 20th it was below, being particularly so on the 16th, 17th, 18th, and 19th, when it was as much as $10^{\circ}7$, $14^{\circ}3$, $11^{\circ}2$, and $11^{\circ}3$ respectively below its average, the mean daily deficiency for the 9 days being $6^{\circ}9$; from February 21st to the 25th it was above, the mean daily excess being $2^{\circ}1$; from February 26th to March 15th it was below, being particularly so from March 2nd to the 14th, the mean daily deficiency for these 13 days being $10^{\circ}6$, and the mean daily deficiency for the 19 days ending March 15th being $8^{\circ}5$; from March 16th to the 19th it was above, the mean daily excess being $3^{\circ}8$; and from March 20th to the 31st it was generally below, being as much as $8^{\circ}3$ and $8^{\circ}7$ below on the 28th and 29th days, respectively, the mean daily deficiency for the 12 days being $3^{\circ}1$.

The mean temperature of the air for January was $36^{\circ}5$, being $0^{\circ}2$ and $1^{\circ}8$ below the average of 121 and 51 years respectively; it was $2^{\circ}4$ higher than in 1891, and $6^{\circ}9$ and $0^{\circ}6$ lower than in 1890 and 1889 respectively.

The mean temperature of the air for February was $38^{\circ}8$, being of the same value as the average of 121 years, and $0^{\circ}6$ below the average of 51 years; it was $0^{\circ}3$, $1^{\circ}3$, and $1^{\circ}8$ higher than in 1891, 1890, and 1889 respectively.

| 1892. MONTHS. | Temperature of | | | | | | | | | | Elastic Force of Vapour. | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|----------------|---|--|-------|--|-------|--|-------|--|-------|--|---|--|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | |
| | Mean. | Diff. from ave- rage of 121 years. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. |
| | Mean. | Diff. from ave- rage of 121 years. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. |
| Jan. | 36.5 | -0.2 | 1.8 | 34.8 | -2.1 | 32.4 | -2.4 | 9.2 | -0.3 | in. | in. | grs. | grs. |
| Feb. | 38.8 | 0.0 | 0.6 | 36.6 | -1.0 | 33.7 | -1.5 | 10.7 | -0.4 | .184 | -.016 | 2.1 | -0.3 |
| Mar. | 37.3 | -3.8 | -4.2 | 34.4 | -4.7 | 30.2 | -5.6 | 14.3 | -0.4 | .193 | -.014 | 2.3 | -0.1 |
| Means | 37.5 | -1.3 | -2.2 | 35.3 | -2.6 | 32.0 | -3.2 | 11.4 | -0.4 | .182 | -.025 | 2.1 | -0.3 |

| 1892. MONTHS. | Degrees of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|----------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------------------------|---|--|-----------------|
| | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Amount. | Diff. from ave- rage of 77 years. | | Number of Nights it was | | Low- est Read- ing at Night. | High- est Read- ing at Night. | |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | | | Above 40°. |
| | | | | | | | | | | | | | | |
| Jan. | 85 | -2 | 29.687 | -0.078 | 554 | 0 | 0.38 | -1.48 | Miles. | 25 | 4 | 2 | 18.1 | 41.2 |
| Feb. | 82 | -3 | 29.621 | -0.187 | 551 | -2 | 1.69 | +0.15 | 236 | 12 | 14 | 3 | 15.9 | 41.5 |
| Mar. | 76 | -5 | 29.842 | +0.095 | 557 | +7 | 1.09 | -0.46 | 290 | 21 | 8 | 2 | 16.5 | 40.0 |
| Means | 81 | -3 | 29.717 | -0.057 | 554 | +2 | Sum 3.16 | Sum -1.79 | Mean 293 | Sum 53 | Sum 26 | Sum 7 | Lowest 15.9 | Highest 41.5 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JANUARY. | | | FEBRUARY. | | | MARCH. | | |
|--------------------|----------|----------|-------------------------|-----------|----------|-------------------------|--------|----------|-------------------------|
| | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 6 | 1½ | + 4½ | 6 | 2½ | + 3½ | 5 | 3 | + 2 |
| N. | 3 | 3½ | - | 4 | 3 | + 1 | 4 | 4 | 0 |
| N.E. | 3 | 3½ | - | 5 | 4 | + 1 | 12 | 4 | + 8 |
| E. | 1 | 2½ | - 1½ | 1 | 2 | - 1 | 3 | 3 | 0 |
| S.E. | 4 | 3½ | + ½ | 3 | 2½ | + ½ | 2 | 2½ | - ½ |
| S. | 3 | 4½ | - 1½ | 3 | 3 | 0 | 1 | 3 | - 2 |
| S.W. | 6 | 9½ | - 3½ | 6 | 9 | - 3 | 3 | 8 | - 5 |
| W. | 5 | 4½ | + ½ | 1 | 3 | - 2 | 1 | 3½ | - 2½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in January are N.W., W., S.E., and E.; in February are N.W., N., and N.E.; and in March are N.E. and N.W.

The sign (-) denotes deficiencies below averages; the numbers affected by this sign in January are S.W. and S.; in February are S.W., W., and E.; and in March are S.W., W., and S.

The mean temperature of the air for March was $37^{\circ}3$, being $3^{\circ}8$ and $4^{\circ}2$ below the average of 121 and 51 years respectively; it was $3^{\circ}0$, $5^{\circ}9$, and $3^{\circ}3$ lower than in 1891, 1890, and 1889 respectively; and there were only 13 instances of as low or lower temperature back to the year 1771, viz.:—

| | | |
|------------------------------|------------------------------|------------------------------|
| In 1883 it was $36^{\circ}1$ | In 1808 it was $37^{\circ}1$ | In 1786 it was $34^{\circ}2$ |
| " 1865 " $36^{\circ}6$ | " 1807 " $37^{\circ}0$ | " 1785 " $33^{\circ}9$ |
| " 1845 " $35^{\circ}2$ | " 1799 " $37^{\circ}2$ | " 1784 " $36^{\circ}2$ |
| " 1837 " $35^{\circ}8$ | " 1789 " $34^{\circ}4$ | " 1771 " $34^{\circ}7$ |
| " 1814 " $35^{\circ}1$ | | |

The mean high day temperature of the air for January was $40^{\circ}8$, being 2° below the average of 51 years; it was $2^{\circ}1$ higher than in 1891, and $7^{\circ}7$ and $0^{\circ}7$ lower than 1890 and 1889 respectively.

The mean high day temperature of the air for February was $44^{\circ}4$, being $0^{\circ}9$ below the average of 51 years; it was $1^{\circ}9$ lower than in 1891, and $1^{\circ}4$ and $1^{\circ}4$ higher than in 1890 and 1889 respectively.

The mean high day temperature of the air for March was $45^{\circ}1$, being $4^{\circ}6$ below the average of 51 years; it was $2^{\circ}6$, $6^{\circ}4$, and $3^{\circ}6$ lower than in 1891, 1890, and 1889 respectively; and there were only six instances of as low or lower temperature back to 1841, viz.:—

| | | |
|---------------------------|---------------------------|---------------------------|
| 1888 it was $44^{\circ}4$ | 1869 it was $44^{\circ}8$ | 1865 it was $44^{\circ}0$ |
| 1883 " $44^{\circ}1$ | 1867 " $44^{\circ}5$ | 1845 " $42^{\circ}4$ |

The mean low night temperature of the air for January was $31^{\circ}6$, being $2^{\circ}1$ below the average of 51 years; it was $2^{\circ}5$ higher than in 1891, and $6^{\circ}6$ and $0^{\circ}6$ lower than in 1890 and 1889 respectively.

The mean low night temperature of the air for February was $33^{\circ}7$, being $0^{\circ}5$ below the average of 51 years; it was $1^{\circ}9$, $0^{\circ}8$, and 2° higher than in 1891, 1890, and 1889 respectively.

The mean low night temperature of the air for March was $30^{\circ}8$, being $4^{\circ}2$ below the average of 51 years; it was $3^{\circ}5$, 5° , and $2^{\circ}6$, lower than in 1891, 1890, and 1889 respectively; and there were only two instances of as low or lower temperature back to the year 1841, viz.:—

| | |
|---------------------------|---------------------------|
| 1883 it was $29^{\circ}3$ | 1845 it was $30^{\circ}8$ |
|---------------------------|---------------------------|

The mean daily range for January was $9^{\circ}2$, being $0^{\circ}3$ smaller than the average; in February it was $10^{\circ}7$, being $0^{\circ}4$ smaller than the average; and in March it was $14^{\circ}3$, being $0^{\circ}4$ smaller than the average.

The mean temperature of the air for January was $4^{\circ}6$ colder than in December; in February it was $2^{\circ}3$ warmer than in January; and in March it was $1^{\circ}5$ colder than in February.

(From the preceding 51 years' observations the decrease from December to January is $1^{\circ}3$, from January to February the increase is $1^{\circ}1$, and from February to March the increase is $2^{\circ}1$.)

From December to January there is a decrease of temperature at stations south of 51° of $5^{\circ}2$; between 51° and 52° of $4^{\circ}2$; and at stations north of this parallel of $3^{\circ}3$.

From January to February there is an increase at all stations; at stations south of 53° of about $2^{\circ}4$; and at stations north of this parallel of $1^{\circ}6$.

From February to March there was a decrease at all stations; at those south of 51° of $3^{\circ}4$; between 51° and 52° of $2^{\circ}4$; between 52° and 53° of $1^{\circ}6$; and at stations north of this parallel of $1^{\circ}0$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of January was 29.687 ins., being $0^{\circ}078$ in. below the average of 51 years; it was $0^{\circ}274$ in., $0^{\circ}073$ in., and $0^{\circ}305$ in. lower than in 1891, 1890, and 1889 respectively.

The mean reading of the barometer for February was 29.621 ins., being $0^{\circ}187$ in. below the average of 51 years; it was $0^{\circ}661$ in., $0^{\circ}395$ in., and $0^{\circ}097$ in. lower than in 1891, 1890, and 1889 respectively; and there were only eight instances of as low or lower reading back to the year 1841, viz.:—

| | | |
|----------------------------|----------------------------|----------------------------|
| In 1885 it was 29.543 ins. | In 1855 it was 29.593 ins. | In 1844 it was 29.498 ins. |
| " 1879 " 29.363 " | " 1853 " 29.525 " | " 1843 " 29.473 " |
| " 1866 " 29.529 " | " 1848 " 29.517 " | |

The mean reading of the barometer for March was 29.842 ins., being $0^{\circ}095$ in. above the average of 51 years; it was $0^{\circ}200$ in., $0^{\circ}177$ in., and $0^{\circ}038$ in. higher than in 1891, 1890, and 1889 respectively.

From December to January there was a decrease of atmospheric pressure at all stations; at those south of 52° of $0^{\circ}10$ in.; between 52° and 53° of $0^{\circ}08$ in.; and at stations north of this parallel of $0^{\circ}04$ in.

From January to February there was a decrease of $0^{\circ}11$ in. at stations south of 51° ; between 51° and 53° of about $0^{\circ}06$ in.; and at stations north of this parallel of $0^{\circ}04$ in.

From February to March there was an increase at all stations; at those south of 52° of $0^{\circ}21$ in.; between 52° and 53° of $0^{\circ}24$ in.; and at stations north of this parallel of $0^{\circ}28$ in.

About London the atmospheric pressure was generally below its average till January 22nd, the mean daily deficiency being 0.21 in.; from January 23rd to the 31st it was above, the mean daily excess being 0.23 in. From February 1st to the 8th it was below, being particularly so on the 2nd and 3rd, when it was as much as 0.67 in. and 0.65 in. respectively below its average, the mean daily deficiency for the eight days being 0.33 in.; from February 9th to the 14th it was above, the mean daily excess being 0.38 in.; from February 15th to March 1st it was generally below, being particularly so on the 18th and 19th of February, when it was as much as 0.80 in. and 0.72 in. respectively below, while on several other days it was as much as $\frac{1}{2}$ an inch below, the mean daily deficiency for the 16 days ending March 1st being 0.35 in.; from March 2nd to the 6th it was above, the mean daily excess being 0.14 in.; from March 7th to the 16th it was below, being particularly so on the 10th and 13th, when it was as much as half an inch below, and 0.73 in. respectively below, and on several other days it was as much as half an inch below, the mean daily deficiency for the 10 days being 0.48 in.; and from March 17th to the 31st it was generally above, the mean daily excess being 0.23 in.

Thunderstorms occurred in January on the 9th at Torquay.

In February on the 2nd and 4th at Liverpool; and on the 20th at Torquay.

Thunder was heard but lightning was not seen in February on the 19th at Truro; and on the 21st at Torquay.

In March on the 10th at Liverpool.

Lightning was seen but thunder was not heard in January on the 6th at Halifax and Stonyhurst; and on the 9th at Torquay.

In February on the 2nd at Oxford; on the 18th and 19th at Truro; on the 23rd and 25th at Torquay; and on the 26th at Liverpool.

In March on the 9th at Liverpool; and on the 15th and 17th at Halifax.

Solar halos were seen in January on the 28th and 29th at Torquay.

In February on the 2nd at Oxford; on the 5th at Torquay; on the 9th at Oxford; on the 17th at Torquay and Halifax; on the 18th at Torquay; on the 19th at Halifax; on the 20th at Torquay and Liverpool; on the 21st at Torquay; on the 23rd at Liverpool; and on the 28th at Torquay.

In March on the 8th at Torquay and Halifax; on the 12th at Guernsey and Torquay; on the 13th and 20th at Torquay; on the 21st at Torquay, Liverpool, and Halifax; on the 23rd at Liverpool; and on the 27th and 31st at Torquay.

Lunar halos were seen in January on the 7th at Hereford and Halifax; on the 8th at Cambridge; on the 9th at Torquay; on the 10th at Liverpool and Stonyhurst; on the 11th at Liverpool, Halifax, and Stonyhurst; and on the 15th at Hereford.

In February on the 5th at Salisbury; on the 7th at Torquay, Osborne, and Oxford; on the 8th and 9th at Halifax; on the 12th at Hereford; and on the 14th and 15th at Liverpool.

In March on the 7th at Torquay, Salisbury, Bath, Hereford, Cambridge, Halifax, and Leeds; on the 9th at Bath, Hereford, and Halifax; on the 10th at Halifax; on the 12th, 13th, and 14th at Torquay; and on the 31st at Halifax.

Snow fell in January on the 3rd at Wolverhampton and Liverpool; on the 4th at Truro, Torquay, and Llandudno; on the 5th at Truro, Bath, Blackheath, Royal Observatory, Hereford, Halifax, and Hull; on the 6th at Bath, Blackheath, Royal Observatory, Royston, Cambridge, Rugby, Somerleyton, Liverpool, and Halifax; on the 7th, 8th, 9th, and 10th it was a general fall throughout the country; on the 11th at Guernsey, Blackheath, Royal Observatory, Oxford, Royston, Cambridge, and Rugby; on the 13th at Bath, Royal Observatory, Blackheath, Halifax, and Carlisle; on the 14th at Torquay, Rugby, Somerleyton, and in the northern counties; on the 15th at Somerleyton; on the 16th at Salisbury, Hereford, and Wolverhampton; on the 17th at Llandudno, Liverpool, Halifax, Bradford, Leeds, and Stonyhurst; on the 19th at Liverpool, Halifax, Stonyhurst, and Carlisle; and on the 20th at Blackheath, Royal Observatory, Royston, Rugby, and Halifax.

In February on the 1st at Torquay, Bath, and Halifax; on the 2nd at Torquay, Salisbury, Bath, Whitechurch, Blackheath, Royal Observatory, Oxford, Royston, Hereford, Rugby, and in the northern counties; on the 3rd at Whitechurch, Blackheath, Royal Observatory, Oxford, Royston, Nottingham, and Liverpool; on the 4th at Hull; on the 5th at Carlisle; on the 14th at Blackheath, Royal Observatory, Royston, Cambridge, Rugby, and Nottingham; on the 15th at Salisbury and in the midland and northern counties; on the 16th, 17th, 18th, and 19th it was a general fall throughout the country; on the 20th at Torquay, Whitechurch, Blackheath, Royal Observatory, Barnet, Oxford, Royston, Cambridge, Rugby, Nottingham, Halifax, Hull, Bradford, and Carlisle; on the 21st at Halifax, Bradford, and Leeds; and on the 29th at Royston, Cambridge, and Carlisle.

In March on the 1st at Bath, Blackheath, Royal Observatory, Royston, Rugby, and in the northern counties; on the 2nd, 3rd, and 4th it was a general fall throughout the country; on the 5th at Royston, Cambridge, Rugby, Somerleyton, Halifax, and Hull; on the 6th at Torquay, Blackheath, Royal Observatory, Royston, and Somerleyton; on the 7th at Torquay, Halifax, and Hull; on the 8th at Wolverhampton, Llandudno, Halifax, Stonyhurst, and Carlisle; on the 9th, 10th, 11th, and 12th it was a general fall throughout the country; on the 13th at Royston, Hereford, Cambridge, Rugby, Wolverhampton, Llandudno, Liverpool, and Hull; on the 14th at Torquay, Salisbury, Bath, Royston, and in the northern counties; on the 15th at Liverpool, Halifax, Leeds, Stonyhurst, and Carlisle; on the 26th at Carlisle; on the 27th at Hereford,

Rugby, Somerleyton, Wolverhampton, Llandudno, Liverpool, Halifax, Bradford, and Stonyhurst; on the 28th it was a general fall throughout the country; and on the 29th at Blackheath and Royal Observatory.

Hail fell in January on the 1st at Liverpool; on the 3rd at Liverpool and Stonyhurst; on the 4th at Truro; on the 5th at Hereford; on the 6th at Torquay, Osborne, Salisbury, Blackheath, Royal Observatory, Oxford, Rugby, and Liverpool; on the 7th at Truro, Torquay, Liverpool, and Hull; on the 8th at Torquay and Liverpool; on the 9th at Truro and Hull; on the 14th at Truro, Llandudno, and Hull; on the 27th at Truro; and on the 31st at Halifax.

In February on the 1st at Guernsey, Truro, Bath, Whitechurch, Halifax, Hull, and Carlisle; on the 2nd at Bath, Whitechurch, Liverpool, and Halifax; on the 3rd at Osborne and Liverpool; on the 4th at Liverpool; on the 5th at Llandudno, Liverpool, and Carlisle; on the 7th at Truro; on the 8th at Halifax; on the 14th at Whitechurch; on the 15th at Torquay, Osborne, and Hull; on the 16th at Hull; on the 19th at Truro, Torquay, and Hull; on the 20th at Torquay and Hull; on the 21st at Truro; on the 22nd and 25th at Torquay; on the 28th at Halifax, Hull, and Stonyhurst; and on the 29th at Whitechurch, Blackheath, Royal Observatory, Royston, Liverpool, Halifax, Hull, and Leeds.

In March on the 1st at Osborne, Blackheath, Royal Observatory, Royston, Hull, and Stonyhurst; on the 2nd at Hull; on the 8th at Stonyhurst; on the 9th at Truro, Torquay, Osborne, Llandudno, and Liverpool; on the 10th at Truro, Torquay, Osborne, Liverpool, and Hull; on the 11th and 12th at Hull; on the 14th at Truro and Torquay; on the 15th at Torquay; on the 27th at Royston; and on the 28th at Truro.

Fog prevailed in January on the 8th at Cambridge; on the 9th at Royston; on the 10th at Bath and Royston; on the 12th at Cambridge and Rugby; on the 13th, 14th, and 15th at Rugby; on the 16th at Halifax and Hull; on the 17th at Bath; on the 18th at Truro, Torquay, Osborne, Bath, Hereford, and Halifax; on the 19th at Truro, Torquay, Bath, and Hereford; on the 20th at Truro, Bath, Hereford, and Hull; on the 21st at Torquay, Blackheath, Royal Observatory, and Hull; on the 22nd at Torquay, Rugby, and Halifax; on the 23rd at Guernsey, Torquay, Somerleyton, Halifax, and Hull; on the 24th at Guernsey; on the 25th at Somerleyton; on the 26th at Truro, Torquay, and Oxford; on the 30th at Guernsey; and on the 31st at Bath.

In February on the 4th at Torquay; on the 6th at Osborne; on the 7th at Guernsey; on the 12th at Somerleyton; on the 13th at Bath and Hereford; on the 21st at Halifax; on the 22nd at Bath, Cambridge, Wolverhampton, and Halifax; on the 23rd at Bath, Somerleyton, and Halifax; on the 24th at Bath, Royston, Hereford, Cambridge, Wolverhampton, Halifax, and Hull; on the 25th at Torquay, Bath, Whitechurch, Royston, Hereford, Cambridge, Somerleyton, Halifax, and Hull; on the 26th at Torquay, Whitechurch, Royston, Cambridge, Somerleyton, Wolverhampton, Halifax, and Hull; on the 27th at Bath, Wolverhampton, and Halifax; on the 28th at Halifax; and on the 29th at Bath.

In March on the 14th at Cambridge and Rugby; on the 16th at Torquay and Bath; on the 19th at Whitechurch; on the 21st at Blackheath, Royal Observatory, Cambridge, and Wolverhampton; on the 23rd at Osborne; on the 24th at Bath, Royston, Cambridge, Rugby, and Carlisle; on the 25th at Torquay, Bath, Royston, Hereford, and Cambridge; on the 26th at Torquay, Bath, Whitechurch, Blackheath, Royal Observatory, Royston, Hereford, Rugby, and Somerleyton; and on the 27th at Royston and Somerleyton.

[illegible]

| Year 1892. | Months. | Pressure of Atmosphere in Month. | | Mean Tem- perature. | | | Vapour. | | Mean Degree of Humi- dity, Sat. = 100. | Mean Weight of a Cubic foot of Air. | Maximum in Rays of Sun. | Minimum on Thermometer. | Estimated Strength. | Wind. | | | Mean Amount of Cloud. | Number of Days in fall. | Rain. |
|--|---------|----------------------------------|--------|------------------------|----------------|--------------|---------|------------|---|--|----------------------------|----------------------------|------------------------|---------------------------|-----|-----|--------------------------|----------------------------|-------|
| | | Mean. | Range. | All Highest. | Of All Lowest. | Daily Range. | Air. | Dew Point. | | | | | | Relative Proportion of | | | | | |
| | | | | | | | | | | | | | | N. | S. | W. | | | |
| Height of Station above Sea Level. | | feet. | in. | ° | ° | ° | ° | in. | gr. | gr. | ° | ° | ° | ° | ° | ° | ° | ° | |
| LIVERPOOL, The Observatory, JOHN HARTNUP, Esq., F.R.A.S. | 197 | 29-598 | 1-508 | 31.9 | 29.7 | 40.7 | 33.5 | 7.2 | 38.7 | 32.9 | 187 | 2.9 | 0.4 | 85 | 552 | 7.4 | 24 | 2.86 | |
| | Jan. | 29-598 | 1-508 | 31.9 | 29.7 | 40.7 | 33.5 | 7.2 | 38.7 | 32.9 | 187 | 2.9 | 0.4 | 85 | 552 | 7.4 | 24 | 2.86 | |
| | Feb. | 29-559 | 1-555 | 37.9 | 21.2 | 42.8 | 35.4 | 2.8 | 37.1 | 38.7 | 208 | 2.4 | 0.3 | 89 | 550 | 8.3 | 17 | 1.77 | |
| HALIFAX, Bernerside Observatory (Yorkshire), E. CROSLLEY, Esq., F.R.A.S. | 320 | 29-815 | 1-478 | 31.1 | 27.5 | 42.4 | 29.8 | 9.6 | 37.0 | 30.4 | 170 | 2.2 | 0.6 | 77 | 557 | 6.1 | 14 | 1.48 | |
| | Jan. | 29-815 | 1-478 | 31.1 | 27.5 | 42.4 | 29.8 | 9.6 | 37.0 | 30.4 | 170 | 2.2 | 0.6 | 77 | 557 | 6.1 | 14 | 1.48 | |
| | Feb. | 29-262 | 1-182 | 49.0 | 17.0 | 38.0 | 38.2 | 8.7 | 34.0 | 31.5 | 178 | 2.1 | 0.2 | 90 | 549 | 6.7 | 19 | 3.15 | |
| HALIFAX, Public Library, J. WHITELEY, Esq. | 625 | 29-227 | 1-545 | 32.0 | 18.0 | 39.0 | 31.9 | 9.0 | 35.0 | 32.2 | 184 | 2.1 | 0.4 | 86 | 547 | 6.3 | 17 | 2.74 | |
| | Jan. | 29-227 | 1-545 | 32.0 | 18.0 | 39.0 | 31.9 | 9.0 | 35.0 | 32.2 | 184 | 2.1 | 0.4 | 86 | 547 | 6.3 | 17 | 2.74 | |
| | Feb. | 29-185 | 1-448 | 63.0 | 15.0 | 45.0 | 42.5 | 14.1 | 35.5 | 32.6 | 187 | 2.1 | 0.4 | 99 | 532 | 7.0 | 10 | 3.29 | |
| HULL (Yorkshire), The People's Park, MR. E. PEAR. | 6 | 29-144 | 1-138 | 30.0 | 15.0 | 35.0 | 32.9 | 3.1 | 37.9 | 32.5 | 183 | 2.1 | 0.3 | 91 | 546 | 5.5 | 17 | 2.97 | |
| | Jan. | 29-144 | 1-138 | 30.0 | 15.0 | 35.0 | 32.9 | 3.1 | 37.9 | 32.5 | 183 | 2.1 | 0.3 | 91 | 546 | 5.5 | 17 | 2.97 | |
| | Feb. | 29-100 | 1-618 | 49.7 | 16.4 | 43.8 | 41.1 | 8.4 | 36.2 | 33.2 | 191 | 2.2 | 0.3 | 89 | 542 | 6.0 | 13 | 2.38 | |
| BRADFORD (Yorkshire), J. McCLASBOROUGH, Esq., C.E., F.R.G.S. | 364 | 29-351 | 1-370 | 30.0 | 19.0 | 40.0 | 32.7 | 31.0 | 37.7 | 39.5 | 189 | 2.0 | 0.5 | 81 | 549 | 5.2 | 16 | 1.16 | |
| | Jan. | 29-351 | 1-370 | 30.0 | 19.0 | 40.0 | 32.7 | 31.0 | 37.7 | 39.5 | 189 | 2.0 | 0.5 | 81 | 549 | 5.2 | 16 | 1.16 | |
| | Feb. | 29-737 | 1-884 | 55.0 | 15.0 | 41.0 | 42.5 | 31.7 | 36.8 | 34.5 | 200 | 2.3 | 0.3 | 90 | 553 | 6.4 | 12 | 1.58 | |
| LEEDS (Yorkshire), The Philosophical Hall, EDGAR R. WAITE, Esq. | 137 | 29-360 | 1-176 | 31.0 | 21.8 | 29.2 | 40.2 | 33.8 | 7.9 | 39.4 | 184 | 2.1 | 0.4 | 86 | 549 | 5.7 | 19 | 1.55 | |
| | Jan. | 29-360 | 1-176 | 31.0 | 21.8 | 29.2 | 40.2 | 33.8 | 7.9 | 39.4 | 184 | 2.1 | 0.4 | 86 | 549 | 5.7 | 19 | 1.55 | |
| | Feb. | 29-342 | 1-582 | 50.4 | 18.8 | 34.5 | 34.0 | 10.5 | 34.0 | 34.0 | 185 | 2.4 | 0.7 | 87 | 547 | 6.4 | 12 | 1.58 | |
| STONTHURST (Lancashire), REV. W. SIDGWAY, F.R. Met. Soc., F.R.A.S. | 363 | 29-624 | 1-512 | 30.0 | 19.0 | 39.0 | 33.9 | 3.5 | 36.7 | 32.8 | 187 | 2.2 | 0.4 | 86 | 553 | 6.8 | 22 | 1.48 | |
| | Jan. | 29-627 | 1-503 | 31.0 | 19.0 | 39.0 | 33.9 | 3.5 | 36.7 | 32.8 | 187 | 2.2 | 0.4 | 86 | 553 | 6.8 | 22 | 1.48 | |
| | Feb. | 29-672 | 1-498 | 25.0 | 33.0 | 35.0 | 34.5 | 3.8 | 35.0 | 34.0 | 194 | 2.0 | 0.5 | 80 | 551 | 6.3 | 18 | 1.81 | |
| CARLISLE, Spital (Cumberland), ISAAC CARTMEL, Esq., F.R. Met. Soc. | 114 | 29-854 | 1-338 | 31.8 | 24.0 | 39.0 | 34.6 | 10.1 | 37.0 | 31.4 | 177 | 2.0 | 0.6 | 79 | 557 | 6.2 | 15 | 0.80 | |
| | Jan. | 29-854 | 1-338 | 31.8 | 24.0 | 39.0 | 34.6 | 10.1 | 37.0 | 31.4 | 177 | 2.0 | 0.6 | 79 | 557 | 6.2 | 15 | 0.80 | |
| | Feb. | 29-786 | 1-445 | 63.0 | 15.0 | 45.0 | 42.6 | 14.1 | 35.5 | 32.6 | 191 | 2.2 | 0.4 | 99 | 532 | 7.0 | 10 | 3.29 | |

Second Estimates are placed—

| Second Rain-gauges are placed— | | Jan. | | Feb. | | Mar. | | Total in Quarter. | |
|---|---|------|------|------|------|------|------|-------------------|------|
| At the Cemetery, Eastbourne, at the height of | 4 feet above the ground, 160 feet above the sea; the amount collected was | ins. | ins. | ins. | ins. | ins. | ins. | ins. | ins. |
| Breeshy Head | 1 foot | 516 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| Oxford | 2 feet | 485 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| Nottingham | 25 feet | 254 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 76 | 291 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

[illegible]

The highest temperatures of the air were at Carlisle, 65°·8; and at Halifax and Leeds, 63°·0.

The lowest temperatures of the air were at Carlisle, $2^{\circ} \cdot 2$; at Stonyhurst, $8^{\circ} \cdot 1$; and at Rugby, $9^{\circ} \cdot 0$.

The greatest ranges of temperature were at Carlisle, $63^{\circ}\cdot6$; at Rugby, $53^{\circ}\cdot1$; and at Stonyhurst, $52^{\circ}\cdot2$.

The least ranges of temperature were at Guernsey, $29^{\circ}\cdot 1$; at Torquay, $32^{\circ}\cdot 5$; and at Osborne, $37^{\circ}\cdot 2$.

The greatest number of days of rain were at Nottingham, 38; and at Hull and Stonyhurst, 57.

The least number of days of rain were at Oxford, 23; at Osborne, 26; and at Halifax (Public Library), 36.

The greatest falls of rain were at Stonyhurst, 8·74 inches ; at Truro, 7·77 inches ; and at Halifax, 7·18 inches.

The least falls of rain were at Oxford, 1·56 inches ; at Rugby, 2·16 inches ; and at Whitechurch, 2·80 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer | Mean of all Lowest Read- ings of the Thermometer | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation | Mean degree of Humidity, Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. Relative Pro- portion of | | | | Mean Amount of Ozone | Mean Amount of Cloud. | Mean Number of Days it fell. | RAIN. Mean Amount of | |
|-------------------------------|-------------|---|--|---|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|---|--|--|--|-----------------------------|--|----|----|----|----------------------|-----------------------|---------------------------------|-----------------------------|-----|
| | | in. | ° | ° | ° | ° | ° | ° | ° | ° | ° | in. | grs. | grs. | grs. | ° | ° | ° | N. | E. | S. | W. | Mean Amount of Ozone | Mean Amount of Cloud. | Mean Number of Days it fell. | Mean Amount of | |
| Guernsey | - | 29.681 | 57.1 | 58.1 | 28.1 | 56.4 | 35.6 | 24.3 | 7.5 | 42.0 | 38.4 | 223 | 2.7 | 0.4 | 87 | 47 | 83.3 | 35.6 | 1.1 | 8 | 7 | 6 | 8 | 2.2 | 6.6 | 52 | in |
| Between latitudes | 50° and 51° | 29.703 | 56.8 | 57.8 | 28.3 | 56.0 | 34.6 | 32.6 | 11.4 | 40.4 | 36.4 | 204 | 2.4 | 0.4 | 78 | 51 | 79.9 | 36.6 | 1.1 | 8 | 8 | 8 | 8 | 4.3 | 5.8 | 37 | 6.1 |
| | 51° and 52° | 29.739 | 56.9 | 57.9 | 28.3 | 56.2 | 34.1 | 36.6 | 12.3 | 38.6 | 35.3 | 196 | 2.4 | 0.4 | 87 | 53 | 83.3 | 36.6 | 1.1 | 8 | 8 | 8 | 9 | 1.5 | 6.2 | 41 | 3.4 |
| | 52° and 53° | 29.706 | 56.9 | 57.1 | 28.4 | 56.2 | 34.0 | 34.4 | 12.3 | 38.6 | 35.3 | 191 | 2.3 | 0.4 | 87 | 53 | 83.3 | 36.6 | 1.1 | 8 | 8 | 8 | 9 | 1.5 | 6.2 | 41 | 3.4 |
| | 53° and 54° | 29.685 | 56.9 | 57.4 | 28.4 | 56.1 | 34.0 | 34.4 | 12.3 | 38.6 | 35.3 | 187 | 2.3 | 0.4 | 86 | 53 | 83.3 | 36.6 | 1.1 | 8 | 8 | 8 | 9 | 1.5 | 6.2 | 41 | 3.4 |
| | 54° and 55° | 29.661 | 56.9 | 57.4 | 28.4 | 56.1 | 34.0 | 34.4 | 12.3 | 38.6 | 35.3 | 180 | 2.3 | 0.4 | 86 | 53 | 83.3 | 36.6 | 0.7 | 7 | 8 | 8 | 11 | 5.3 | 7.0 | 49 | 6.1 |
| Mean for the quarter. | 50° to 55° | 29.689 | 56.9 | 57.4 | 28.4 | 56.1 | 34.0 | 34.4 | 12.3 | 38.6 | 35.3 | 194 | 2.4 | 0.4 | 86 | 53 | 83.3 | 36.6 | 1.1 | 8 | 8 | 8 | 9 | 1.5 | 6.2 | 41 | 3.4 |
| | Year 1899 | 29.724 | 56.9 | 57.4 | 28.4 | 56.1 | 34.0 | 34.4 | 12.3 | 38.6 | 35.3 | 189 | 2.4 | 0.4 | 87 | 53 | 83.3 | 36.6 | 1.2 | 8 | 8 | 8 | 10 | 1.4 | 6.7 | 43 | 6.4 |
| | " 1891 | 29.625 | 56.8 | 57.4 | 28.4 | 56.1 | 34.0 | 34.4 | 12.3 | 38.6 | 35.3 | 190 | 2.4 | 0.4 | 87 | 53 | 83.3 | 36.6 | 1.1 | 8 | 8 | 8 | 10 | 1.4 | 6.7 | 43 | 6.4 |
| | " 1892 | 29.659 | 56.8 | 57.4 | 28.4 | 56.1 | 34.0 | 34.4 | 12.3 | 38.6 | 35.3 | 191 | 2.4 | 0.4 | 87 | 53 | 83.3 | 36.6 | 0.9 | 8 | 8 | 8 | 10 | 1.4 | 6.7 | 43 | 6.4 |

METEOROLOGY OF ENGLAND, DURING THE QUARTER ENDING JUNE 30, 1892.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING JUNE 30TH, 1892.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in April was dry, generally warm by day, and cold at night. The temperature of the air was above its average till the 11th, particularly so on the 4th, 5th, 6th, and 7th; on the 4th and 5th the high day temperature exceeded 70° at some stations, a very high value for April. A sudden change to cold set in on the 12th, and continued to the 20th, the mean temperature was as much as $9^{\circ}\cdot3$, $10^{\circ}\cdot1$, $10^{\circ}\cdot1$, $11^{\circ}\cdot3$, and $11^{\circ}\cdot0$ below on the 13th, 14th, 15th, 16th, and 17th, respectively; and snow fell on some of these days at several stations; it was above the average from the 21st to the 24th, and then below to the end of the month. The atmospheric pressure was above its average till the 5th, and from the 18th to the 24th; and below it on all other days. The fall of rain was small. The N. and E. winds were prevalent. At extreme southern stations, this month was distinguished by being fine and sunny, and at extreme northern stations by an absence of sun and with much frost.

The weather in May was somewhat changeable, being very cold at the beginning, then moderately warm and hot at the end; it was dry till towards the end, when some rain fell. The temperature of the air was below its average till the 7th, particularly so on the 5th and 6th, when it was $9^{\circ}\cdot7$ and $9^{\circ}\cdot3$, respectively, below. From the 8th to the end of the month the temperature was above the average, and particularly so from the 25th, when the departures were $11^{\circ}\cdot4$, $7^{\circ}\cdot2$, $10^{\circ}\cdot4$, $14^{\circ}\cdot7$, $3^{\circ}\cdot9$, $7^{\circ}\cdot9$, and $16^{\circ}\cdot0$ from the average. On the 31st the high day temperature exceeded 80° at all stations between Whitechurch and Rugby; on this day there was a severe thunderstorm, which did damage in many places. The atmospheric pressure was generally above its average from the 5th to the 23rd, and on the 29th and 30th, and below on other days. The fall of rain was below the average at southern stations, but was generally above at midland and northern stations.

The weather in June was variable, but on the whole was pleasant. The temperature of the air was above its average till the 11th; on the 10th, it was as much as $10^{\circ}\cdot4$ in excess; on the 12th, a sudden cold set in; and on the 14th, the mean daily temperature was as much as $10^{\circ}\cdot4$ below the average. On the 10th, at Blackheath, the temperature was $85^{\circ}\cdot7$, and on the morning of the 15th, it was 38° , being $47^{\circ}\cdot7$ of lower temperature, this great change was larger in some places; the temperature continued below the average till the end of the month, with the exception of the three days the 26th, 27th, and 28th. The atmospheric pressure was below till the 3rd, and generally from the 16th. The fall of rain was generally above the average. On June 1st, and again on June 28th thunderstorms were general over England, with heavy falls of rain at some places; at some stations the fall of rain on the 28th exceeded 2 inches. In consequence of the dry spring, the hay harvest is very light.

About London the mean daily temperature of the air was above its average till April 11th, being particularly so on the 4th, 5th, and 6th, when it was as much as $8^{\circ}\cdot2$, $10^{\circ}\cdot9$, and $8^{\circ}\cdot3$, respectively, above its average; the mean daily excess for the 11 days being $4^{\circ}\cdot8$; from April 12th to the 20th it was below, being particularly so from the 13th to the 17th; the mean daily deficiency for the nine days ending April 20th being $8^{\circ}\cdot6$; from April 21st to the 24th, it was above, the mean daily excess being $6^{\circ}\cdot0$; from April 25th to May 7th, it was below, being on several days as much as 9° and $9^{\circ}\cdot3$ below, the mean daily deficiency for the 13 days being $6^{\circ}\cdot7$; from May 8th to June 11th it was generally above, being particularly so on the 25th, 27th, 28th, and 31st of May, and on the 10th of June, when it was as much as $11^{\circ}\cdot4$, $10^{\circ}\cdot4$, $14^{\circ}\cdot7$, $16^{\circ}\cdot0$, and $10^{\circ}\cdot4$ respectively above its average; the mean daily excess for the 35 days ending June 11th, being $4^{\circ}\cdot2$; from June 12th to the 25th, it was generally below, being as much as $9^{\circ}\cdot5$, $10^{\circ}\cdot4$, $9^{\circ}\cdot4$, and $10^{\circ}\cdot3$ respectively, below on the 13th, 14th, 18th, and 23rd days, the mean daily deficiency for the 14 days being $5^{\circ}\cdot5$; from June 26th to the 28th it was above, the mean daily excess being $5^{\circ}\cdot5$; and on the two last days it was below, the mean daily deficiency being $3^{\circ}\cdot7$.

The mean temperature of the air for April was $46^{\circ}\cdot9$, being $0^{\circ}\cdot8$ and $0^{\circ}\cdot1$ above the average of 121 and 51 years respectively; it was $2^{\circ}\cdot7$, $1^{\circ}\cdot3$, and $1^{\circ}\cdot2$ higher than in 1891, 1890, and 1889 respectively.

The mean temperature of the air for May was $55^{\circ}\cdot2$, being $2^{\circ}\cdot7$ and $2^{\circ}\cdot6$ above the average of 121 and 51 years respectively; it was $4^{\circ}\cdot9$ and $0^{\circ}\cdot4$ higher than in 1891 and 1890 respectively; and $1^{\circ}\cdot3$ lower than in 1889.

The mean temperature of the air for June was $58^{\circ}\cdot1$, being $0^{\circ}\cdot2$ and $0^{\circ}\cdot9$ below the average of 121 and 51 years respectively; it was $2^{\circ}\cdot3$ lower than in 1891; of the same value as in 1890; and $3^{\circ}\cdot3$ lower than in 1889.

The mean high day temperature of the air for April was $59^{\circ}\cdot0$, being $1^{\circ}\cdot8$ above the average of 51 years; it was $5^{\circ}\cdot4$, $4^{\circ}\cdot0$, and $4^{\circ}\cdot3$ higher than in 1891, 1890, and 1889 respectively; and there were only eight instances of as high or higher temperature back to the year 1841, viz. :—

| | | |
|-----------------------------------|-----------------------------------|-----------------------------------|
| In 1874 it was $61^{\circ}\cdot5$ | In 1869 it was $61^{\circ}\cdot6$ | In 1854 it was $61^{\circ}\cdot9$ |
| " 1872 " $59^{\circ}\cdot3$ | " 1865 " $66^{\circ}\cdot3$ | " 1844 " $63^{\circ}\cdot6$ |
| " 1870 " $62^{\circ}\cdot0$ | " 1863 " $61^{\circ}\cdot2$ | |

The mean high day temperature of the air for May was $67^{\circ}\cdot 0$, being $2^{\circ}\cdot 8$ above the average of 51 years; it was $5^{\circ}\cdot 6$ and $0^{\circ}\cdot 7$ higher than in 1891 and 1890 respectively, and $0^{\circ}\cdot 2$ lower than in 1889.

The mean high day temperature of the air for June was $70^{\circ}\cdot 5$, being $0^{\circ}\cdot 4$ below the average of 51 years; it was $1^{\circ}\cdot 7$ lower than in 1891, $1^{\circ}\cdot 3$ higher than in 1890, and $2^{\circ}\cdot 4$ lower than in 1889.

The mean low night temperature of the air for April was $36^{\circ}\cdot 0$, being $2^{\circ}\cdot 9$ below the average of 51 years; it was $0^{\circ}\cdot 2$, $1^{\circ}\cdot 8$, and $2^{\circ}\cdot 9$ lower than in 1891, 1890, and 1889 respectively; and there were only four instances of as low or lower temperature back to the year 1841, viz. :—

1887 it was $35^{\circ}\cdot 3$
1861 " $36^{\circ}\cdot 0$

1860 it was $35^{\circ}\cdot 6$
1852 " $34^{\circ}\cdot 2$

The mean low night temperature of the air for May was $43^{\circ}\cdot 9$, being $0^{\circ}\cdot 1$ above the average of 51 years; it was $2^{\circ}\cdot 2$ higher than in 1891, and $0^{\circ}\cdot 5$ and $4^{\circ}\cdot 0$ lower than in 1890 and 1889 respectively.

| 1892. MONTHS. | | Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|---|----------------|--|---|-------|---|-------|---|-------|---|-------|---|-------|---|--|
| | | Air. | | Evaporation. | | Dew Point. | | Air - Daily Change. | | | | | | | |
| | | Mean. | Diff. from average of 121 years. | Diff. from average of 51 years. | Mean. | Diff. from average of 51 years. | Mean. | Diff. from average of 51 years. | Mean. | Diff. from average of 51 years. | Mean. | Diff. from average of 51 years. | Mean. | Diff. from average of 51 years. | |
| April | - | 46.9 | +0.8 | +0.1 | 42.1 | -1.5 | 56.8 | -8.4 | 23.0 | +1.7 | .218 | -.032 | 2.5 | -.04 | |
| May | - | 55.2 | +2.7 | +2.6 | 49.6 | +0.7 | 44.3 | -0.7 | 23.1 | +2.7 | .292 | -.007 | 3.3 | -0.1 | |
| June | - | 58.1 | -0.2 | -0.9 | 53.5 | -1.1 | 49.4 | -1.3 | 22.6 | +1.6 | .323 | -.019 | 3.9 | -0.3 | |
| Means | - | 53.4 | +1.1 | +0.6 | 48.4 | -0.6 | 45.5 | -1.8 | 22.9 | +3.0 | .288 | -.016 | 3.2 | -0.3 | |

| 1892. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---|------------------------|---|--------------------------|---|--------------------------------------|---|-------------|---|---|----------------------------------|---------------------------------|---------------|-----------------------------------|------------------------------------|
| | | Mean. | Diff. from average of 51 years. | Mean. | Diff. from average of 51 years. | Mean. | Diff. from average of 51 years. | Amount. | Diff. from average of 77 years. | | Number of Nights it was | | | Lowest Reading at Night. | Highest Reading at Night. |
| | | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| April | - | 69 | -11 | 29.828 | +0.086 | 546 | +3 | 1.42 | -0.31 | Miles. 234 | 16 | 11 | 3 | 22.3 | 42.3 |
| May | - | 67 | -12 | 29.821 | +0.039 | 536 | -4 | 1.66 | -0.41 | 274 | 4 | 16 | 11 | 21.3 | 51.3 |
| June | - | 73 | -2 | 29.828 | +0.017 | 533 | +1 | 2.27 | +0.29 | 263 | 1 | 9 | 20 | 29.5 | 61.0 |
| Means | - | 70 | -8 | 29.826 | +0.047 | 538 | 0 | Sum 5.25 | Sum -0.43 | Mean 257 | Sum 21 | Sum 36 | Sum 34 | Lowest 21.3 | Highest 54.0 |

NOTE.—In reading this table it will be seen that the temperature of the air is generally higher than the temperature of the water, and that the weight of the vapour is generally less than the weight of the air.

Notes.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | APRIL. | | | MAY. | | | JUNE. | | |
|--------------------|--------|----------|-------------------------|-------|----------|-------------------------|-------|----------|-------------------------|
| | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 5 | 4½ | + ½ | 2 | 1½ | + ½ | 4 | 2½ | + 1½ |
| N. | 3 | 3 | 0 | 3 | 4½ | - 1½ | 2 | 3½ | - 1½ |
| N.E. | 12 | 3½ | + 8½ | 6 | 7½ | - 1½ | 5 | 3½ | + 1½ |
| E. | 2 | 2½ | - ½ | 1 | 2½ | - 1½ | 1 | 2½ | - 1½ |
| S.E. | 1 | 3½ | - 2½ | 5 | 1½ | + 3½ | 1 | 1½ | - ½ |
| S. | 1 | 2½ | - 1½ | 2 | 2½ | - ½ | 3 | 2½ | + ½ |
| S.W. | 4 | 6½ | - 2½ | 10 | 8½ | + 1½ | 11 | 10 | + 1 |
| W. | 2 | 4 | - 2 | 2 | 2½ | - ½ | 3 | 4 | - 1 |

The sign (+) denotes excesses over averages; the largest numbers affected by this sign in April are N.E. and N.W.; in May are S.E., and S.W.; and in June are N.W., N.E., and S.W.

The sign (-) denotes deficiencies below averages; the largest numbers affected by this sign in April are S.E., S.W. and W.; in May are N., N.E., and E.; and in June are N., E., and W.

The mean low night temperature of the air for June was $47^{\circ}\cdot 9$, being $2^{\circ}\cdot 0$ below the average of 51 years; it was $3^{\circ}\cdot 4$, $1^{\circ}\cdot 7$, and $3^{\circ}\cdot 8$ lower than in 1891, 1890, and 1889 respectively; and there were only four instances of as low or lower temperature back to the year 1841, viz. :—

1886 it was $47^{\circ}\cdot 9$
1871 " $47^{\circ}\cdot 9$

1869 it was $46^{\circ}\cdot 0$
1855 " $45^{\circ}\cdot 7$

The mean daily range for April was $23^{\circ}\cdot 1$, being $4^{\circ}\cdot 7$ larger than the average; in May it was $23^{\circ}\cdot 1$, being $2^{\circ}\cdot 7$ larger than the average; and in June it was $22^{\circ}\cdot 6$, being $1^{\circ}\cdot 6$ larger than the average.

The mean temperature of the air for April was $9^{\circ}\cdot 6$ warmer than in March; in May it was $8^{\circ}\cdot 3$ warmer than in April; and in June it was $2^{\circ}\cdot 9$ warmer than in May.

(From the preceding 51 years' observations the increase from March to April is $5^{\circ}\cdot 3$, from April to May the increase is $5^{\circ}\cdot 8$, and from May to June the increase is $6^{\circ}\cdot 4$.)

From March to April there is an increase at stations south of 51° of $7^{\circ}\cdot 5$; between 51° and 52° of $0^{\circ}\cdot 1$; between 52° and 53° of $7^{\circ}\cdot 9$; and at stations north of this parallel of $6^{\circ}\cdot 4$.

From April to May there is an increase at stations south of 51° of $5^{\circ}\cdot 8$; between 51° and 52° of $7^{\circ}\cdot 6$; between 52° and 53° of $8^{\circ}\cdot 0$; and at stations north of this parallel of $7^{\circ}\cdot 5$.

From May to June there is an increase at all stations of about $3^{\circ}\cdot 2$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of April was $29\cdot 828$ ins., being $0\cdot 086$ in. above the average of 51 years; it was $0\cdot 035$ in., $0\cdot 184$ in., and $0\cdot 269$ in. higher than in 1891, 1890, and 1889 respectively.

The mean reading of the barometer for May was $29\cdot 821$ ins., being $0\cdot 039$ in. above the average of 51 years; it was $0\cdot 214$ in., $0\cdot 155$ in., and $0\cdot 159$ in. higher than in 1891, 1890, and 1889 respectively.

The mean reading of the barometer for June was $29\cdot 828$ ins., being $0\cdot 017$ in. above the average of 51 years; it was $0\cdot 013$ in. lower than in 1891, $0\cdot 004$ in. higher than in 1890, and $0\cdot 026$ in. lower than in 1889.

From March to April there was a decrease of atmospheric pressure at all stations; at those south of 52° of $0\cdot 01$ in.; and at stations north of this parallel of $0\cdot 02$ in.

From April to May the atmospheric pressure was about the same as in April at stations south of 51° ; there was a decrease of about $0\cdot 02$ in. at stations between 51° and 53° ; and at stations north of this parallel a decrease of $0\cdot 05$ in.

From May to June there was an increase of $0\cdot 02$ in. at those south of 52° ; between 52° and 53° it was nearly the same as in May; and at stations north of this parallel an increase of $0\cdot 01$ in.

About London the atmospheric pressure was above its average till April 5th, the mean daily excess being $0\cdot 23$ in.; from April 6th to the 17th it was generally below, the mean daily deficiency being $0\cdot 12$ in. From April 18th to the 24th it was above, the mean daily excess being $0\cdot 32$ in.; from April 25th to May 4th it was generally below, the mean daily deficiency being $0\cdot 11$ in.; from May 5th to the 23rd it was generally above, the mean daily excess being $0\cdot 13$ in.; from May 24th to the 28th it was below, the mean daily deficiency being $0\cdot 14$ in.; from May 29th to June 15 it was generally above, the mean daily excess for these 18 days being $0\cdot 05$ in.; and from June 16th to the 30th it was generally below, the mean daily deficiency being $0\cdot 04$ in.

Thunderstorms occurred in April on the 6th at Liverpool; on the 14th at Guernsey; and on the 25th at Hull and Leeds.

In May on the 19th at Hull; on the 20th at Leeds; on the 25th at Guernsey, Osborne, Salisbury, Oxford, Rugby, Hull, and Leeds; on the 26th at Guernsey, Osborne, Whitechurch, Blackheath, Royal Observatory, Royston, Cambridge, and Lowestoft; on the 27th at Torquay, Bath, Blackheath, Royal Observatory, Hereford, and Wolverhampton; on the 28th at Hereford, Halifax, Hull, and Leeds; and on the 31st at Torquay, Salisbury, Whitechurch, Royston, Lowestoft, Llandudno, Liverpool, and Halifax.

In June on the 1st at Halifax and Hull; on the 5th at Blackheath, Royal Observatory, Somerleyton, and Hull; on the 10th at Royston, Cambridge, and Liverpool; on the 17th at Halifax; on the 18th at Hull; on the 19th at Carlisle; on the 20th and 23rd at Cambridge; on the 28th at Guernsey, Osborne, Whitechurch, Blackheath, Royal Observatory, Oxford, Royston, Cambridge, Rugby, Lowestoft, and Somerleyton; and on the 29th at Barnet, Royston, and Cambridge.

Thunder was heard but lightning was not seen in April on the 4th at Halifax; on the 5th at Leeds; on the 6th at Halifax; on the 8th at Liverpool; on the 18th at Bath, Wolverhampton, and Hull; on the 25th at Cambridge and Halifax; and on the 26th at Carlisle.

In May on the 25th at Torquay, Bath, Whitechurch, Royston, Hereford, Cambridge, Wolverhampton, Liverpool, and Halifax; on the 26th at Bath; on the 27th at Lowestoft; on the 28th and 29th at Rugby; and on the 31st at Cambridge, Rugby, and Halifax.

In June on the 1st at Oxford; on the 3rd and 4th at Halifax; on the 5th at Cambridge and Rugby; on the 10th at Royston and Rugby; on the 11th at Carlisle; on the 17th at Liverpool, Hull, Stonyhurst, and Carlisle; on the 18th at Somerleyton; on the 19th at Blackheath, Royal Observatory, Royston, Cambridge, Somerleyton, Hull, and Carlisle; on the 20th at Royston and Hull; on the 23rd at Royston, Stonyhurst, and Carlisle; on the 28th at Torquay and Bath; and on the 29th at Osborne.

Lightning was seen but thunder was not heard in April on the 5th at Leeds; and on the 17th at Stonyhurst.

In May on the 25th at Torquay, Bath, Blackheath, Royal Observatory, Oxford, and Royston; on the 30th at Whitechurch and Oxford; and on the 31st at Cambridge and Carlisle.

In June on the 10th at Stonyhurst and Carlisle; on the 17th at Liverpool, Stonyhurst, and Carlisle; on the 24th at Halifax; on the 28th at Whitechurch and Halifax; and on the 29th at Oxford.

Solar halos were seen in April on the 1st at Liverpool and Halifax; on the 2nd at Oxford and Liverpool; on the 3rd at Torquay, Bath, Oxford, Liverpool, and Halifax; on the 4th at Torquay, Oxford, and Halifax; on the 5th and 6th at Halifax; on the 8th at Liverpool and Halifax; on the 11th at Osborne; on the 14th at Halifax; on the 15th at Torquay and Oxford; on the 16th at Oxford; on the 19th at Torquay, Liverpool, and Halifax; on the 20th at Torquay; on the 21st at Liverpool; on the 24th at Torquay, Osborne, Bath, Oxford, and Liverpool; on the 25th at Torquay; on the 26th at Liverpool; on the 27th at Guernsey and Torquay; on the 28th at Torquay; on the 29th at Oxford; and on the 30th at Torquay, Oxford, Liverpool, and Halifax.

In May on the 1st at Torquay, on the 2nd at Hereford; on the 6th at Oxford; on the 12th at Torquay, Liverpool, and Halifax; on the 13th at Torquay and Oxford; on the 14th, 16th, and 19th at Torquay; on the 21st and 23rd at Oxford; on the 25th at Torquay and Oxford; on the 27th at Liverpool; on the 28th at Torquay and Oxford; on the 29th at Oxford and Liverpool; on the 30th at Torquay and Halifax; and on the 31st at Torquay, Liverpool, and Halifax.

In June on the 1st at Torquay; on the 3rd and 4th at Oxford; on the 9th at Halifax; on the 15th at Liverpool, Halifax, and Stonyhurst; on the 17th at Oxford; on the 22nd at Torquay, Liverpool, Halifax, and Stonyhurst; on the 24th at Torquay and Liverpool; and on the 25th at Liverpool.

Lunar halos were seen in April on the 1st at Oxford and Hereford; on the 2nd at Salisbury and Oxford; on the 3rd at Torquay, Oxford, Hereford, Cambridge, Halifax, and Leeds; on the 4th at Salisbury, Bath, Oxford, Cambridge, Llandudno, Liverpool, and Carlisle; on the 5th at Osborne and Oxford; on the 6th at Hereford; on the 7th at Bath; and on the 30th at Cambridge and Lowestoft.

In May on the 1st at Oxford; on the 4th, 9th, and 10th at Hereford; on the 12th at Torquay; on the 13th and 14th at Oxford; on the 30th at Halifax; and on the 31st at Lowestoft.

In June no lunar halos were reported to have been seen.

Snow fell in April on the 4th at Leeds; on the 12th at Nottingham, Halifax, Hull, and Stonyhurst; from the 13th to the 18th it was a general fall throughout the country; on the 19th at Cambridge; on the 25th at Royston; on the 27th at Nottingham and Halifax; on the 28th at Royston, Cambridge, Lowestoft, and Bradford; and on the 29th at Salisbury, Halifax, and Leeds.

In May on the 3rd at Rugby; and on the 16th at Halifax.

Hail fell in April on the 12th at Carlisle; on the 13th at Torquay and Carlisle; on the 14th at Llandudno; on the 15th at Truro and Carlisle; on the 16th at Truro and Torquay; on the 17th at Guernsey, Truro, and Hull; on the 18th at Torquay and Lowestoft; on the 25th at Bath, Halifax, Hull, Bradford, and Leeds; on the 26th at Whitechurch and Stonyhurst; on the 27th at Blackheath, Royal Observatory, Oxford, Rugby, Liverpool, and Halifax; on the 28th at Blackheath, Royal Observatory, Lowestoft, and Stonyhurst; and on the 29th at Lowestoft.

In May on the 6th at Lowestoft; on the 17th at Cambridge; on the 18th at Carlisle; on the 19th at Hull; on the 20th at Leeds; on the 25th at Oxford; and on the 31st at Liverpool.

In June on the 1st at Halifax and Hull; on the 3rd at Halifax; on the 12th at Carlisle; on the 17th at Oxford, Liverpool, and Stonyhurst; on the 18th at Hull; on the 19th at Royston, Llandudno, and Carlisle; on the 20th at Blackheath and Royal Observatory; and on the 28th and 29th at Royston.

Fog prevailed in April on the 1st at Oxford; on the 4th at Torquay; on the 5th at Guernsey and Torquay; on the 11th at Royston and Cambridge; on the 13th at Truro; on the 15th at Rugby; on the 18th at Hull; on the 19th at Royston and Cambridge; on the 21st at Guernsey and Bath; on the 22nd and 23rd at Guernsey; and on the 29th at Bath.

In May on the 9th at Blackheath and Royal Observatory; and on the 18th, 26th, 27th, 28th, and 29th at Torquay.

In June on the 6th at Guernsey; on the 7th at Guernsey, Torquay, and Royston; on the 8th and 9th at Guernsey and Torquay; on the 10th at Royston; on the 20th at Guernsey; on the 21st at Guernsey and Torquay; on the 25th at Torquay; on the 27th at Guernsey; and on the 28th at Guernsey and Torquay.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING JUNE 30TH, 1892.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year. | Month. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | | Vapour. | | | Mean Reading of Thermometer. | | | Wind. | | | Rain. | | |
|-------|--------|------------------------------------|---|----------------------------------|--------|---------|------------------------------|--------|---------|-------------------|--------|---------|----------|--------|---------|------------------------------|--------|--------|---------|----------|--------|--------|---------|----------|
| | | | | Mean. | Range. | Lowest. | Highest. | Range. | Lowest. | Highest. | Range. | Lowest. | Highest. | Range. | Lowest. | Highest. | Mean. | Range. | Lowest. | Highest. | Mean. | Range. | Lowest. | Highest. |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 1892. | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| 1892. | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| 1892. | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| 1892. | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | April | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | May | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |
| | June | 29-713 | GUERNSEY, COLLETT, Esq., J. R. Met. Soc. | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 | 29-713 |

[illegible]

| Year 1852 | Month. | Pressure of Air in Month. | | Temperature of Air in Month. | | | | Mean Thermometer. | Mean Degree of Humi- dity, Sat. = 100. | Vacuum. In a cubic foot of Air. | Air. New Point. | Baric Force. | Mean. Short of Saturation. | Mean Weight of a cubic foot of Air. | Maximum in Ray of Sun. | Minimum on Thermometer. | Wind. | | | Mean Amount of Rain. | |
|---|--------|---------------------------|--------|------------------------------|-------------|--------------|-------|----------------------|--|---------------------------------------|--------------------|--------------|----------------------------------|---|---------------------------|----------------------------|--------|--------|---------------------------|-------------------------|------|
| | | Mean. | Range. | All Highest. | All Lowest. | Daily Range. | Mean. | | | | | | | | | | North. | South. | Relative Proportion of | | |
| Height of Station Above Sea Level. | feet. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. | |
| HALIFAX, Bermuda Observatory E. CROCKETT, Esq., F.R.S. | 239 | April | 29.401 | 0.972 | 69.0 | 37.5 | 53.7 | 33.4 | 20.6 | 42.0 | 31.8 | 1.03 | 3.4 | 0.7 | 77 | 544 | 100.8 | 1.44 | 11 | 1.44 | |
| | | May | 29.428 | 0.931 | 78.3 | 47.3 | 50.0 | 41.9 | 37.6 | 41.7 | 28.5 | 1.0 | 3.0 | 0.9 | 75 | 535 | 38.6 | 1.56 | 17 | 0.50 | |
| | | June | 29.450 | 0.923 | 78.3 | 84.0 | 62.8 | 46.3 | 39.5 | 32.8 | 45.2 | 20.1 | 3.4 | 1.1 | 76 | 532 | 101.4 | 0.9 | 29 | 0.58 | |
| | | July | 29.437 | 0.903 | 80.0 | 83.5 | 64.5 | 44.5 | 31.7 | 31.3 | 39.4 | 40.5 | 33.9 | 1.0 | 78 | 544 | 91.2 | 7.2 | 1 | 1.18 | |
| | | August | 29.434 | 0.962 | 75.0 | 33.7 | 41.3 | 39.1 | 34.3 | 39.1 | 40.2 | 28.0 | 2.8 | 1.1 | 73 | 531 | 97.2 | 7.1 | 16 | 0.45 | |
| | | September | 29.453 | 0.913 | 75.1 | 8.5 | 37.6 | 39.4 | 45.9 | 33.0 | 43.8 | 45.6 | 21.0 | 3.4 | 81 | 530 | 101.4 | 0.7 | 18 | 0.52 | |
| HALIFAX, Public Library, J. WHITLEY, Esq. | 605 | April | 29.603 | 1.002 | 69.0 | 84.0 | 63.0 | 42.8 | 20.2 | 42.7 | 31.5 | 2.90 | 3.3 | 0.8 | 75 | 553 | 102.7 | 3.0 | 10 | 0.08 | |
| | | May | 29.928 | 1.010 | 79.0 | 32.0 | 47.0 | 62.4 | 37.9 | 50.7 | 43.3 | 38.1 | 3.3 | 0.9 | 76 | 543 | 101.4 | 5.7 | 14 | 0.72 | |
| | | June | 29.956 | 0.832 | 80.0 | 38.0 | 42.0 | 63.2 | 37.6 | 33.5 | 36.1 | 31.2 | 8.1 | 1.1 | 76 | 541 | 111.3 | 4.2 | 1 | 0.75 | |
| | | July | 29.662 | 0.948 | 64.5 | 55.0 | 51.0 | 37.0 | 37.0 | 35.0 | 35.7 | 21.0 | 2.4 | 0.6 | 76 | 546 | 88.3 | 3.4 | 8 | 0.08 | |
| | | August | 29.371 | 1.060 | 68.8 | 34.7 | 34.1 | 33.3 | 45.4 | 32.9 | 35.0 | 28.5 | 3.2 | 1.0 | 76 | 550 | 90.0 | 4.4 | 4 | 1.11 | |
| | | September | 29.351 | 0.853 | 76.0 | 39.4 | 37.2 | 39.3 | 49.0 | 35.8 | 54.2 | 43.9 | 2.0 | 1.3 | 73 | 553 | 101.2 | 8.0 | 29 | 0.50 | |
| BRADFORD (Yorshire), J. MORTON-SMITH, Esq., C.E., F.R.S. | 261 | April | 29.852 | 0.904 | 70.0 | 47.0 | 54.3 | 33.9 | 17.4 | 43.9 | 35.4 | 1.06 | 2.4 | 0.9 | 72 | 549 | 90.0 | 1.6 | 8 | 1.66 | |
| | | May | 29.915 | 0.964 | 77.0 | 33.0 | 44.0 | 43.1 | 42.9 | 48.2 | 50.3 | 3.3 | 0.9 | 73 | 549 | 90.0 | 4.7 | 8 | 0.78 | | |
| | | June | 29.821 | 0.972 | 80.0 | 49.0 | 62.2 | 49.1 | 35.1 | 43.1 | 46.0 | 2.9 | 3.3 | 1.2 | 74 | 546 | 117.0 | 1.0 | 29 | 0.50 | |
| | | July | 29.612 | 0.920 | 79.0 | 37.0 | 48.0 | 33.7 | 21.3 | 35.0 | 35.1 | 1.04 | 2.4 | 0.8 | 74 | 546 | 117.0 | 4.3 | 11 | 0.67 | |
| | | August | 29.461 | 0.969 | 76.0 | 40.4 | 46.4 | 42.9 | 18.2 | 45.0 | 43.5 | 2.8 | 3.3 | 0.9 | 78 | 539 | 117.2 | 7.0 | 17 | 0.59 | |
| | | September | 29.275 | 0.944 | 81.0 | 34.1 | 43.6 | 18.6 | 23.2 | 40.0 | 31.1 | 8.5 | 1.0 | 77 | 534 | 119.0 | 0.4 | 12 | 4.07 | | |
| LEEDS (Yorshire), The Philosophical Society, Esq., F.R.S. | 337 | April | 29.852 | 0.904 | 70.0 | 47.0 | 54.3 | 33.9 | 17.4 | 43.9 | 35.4 | 1.06 | 2.4 | 0.9 | 72 | 549 | 90.0 | 1.6 | 8 | 1.66 | |
| | | May | 29.915 | 0.964 | 77.0 | 33.0 | 44.0 | 43.1 | 42.9 | 48.2 | 50.3 | 3.3 | 0.9 | 73 | 549 | 90.0 | 4.7 | 8 | 0.78 | | |
| | | June | 29.821 | 0.972 | 80.0 | 49.0 | 62.2 | 49.1 | 35.1 | 43.1 | 46.0 | 2.9 | 3.3 | 1.2 | 74 | 546 | 117.0 | 1.0 | 29 | 0.50 | |
| | | July | 29.612 | 0.920 | 79.0 | 37.0 | 48.0 | 33.7 | 21.3 | 35.0 | 35.1 | 1.04 | 2.4 | 0.8 | 74 | 546 | 117.0 | 4.3 | 11 | 0.67 | |
| | | August | 29.461 | 0.969 | 76.0 | 40.4 | 46.4 | 42.9 | 18.2 | 45.0 | 43.5 | 2.8 | 3.3 | 0.9 | 78 | 539 | 117.2 | 7.0 | 17 | 0.59 | |
| | | September | 29.275 | 0.944 | 81.0 | 34.1 | 43.6 | 18.6 | 23.2 | 40.0 | 31.1 | 8.5 | 1.0 | 77 | 534 | 119.0 | 0.4 | 12 | 4.07 | | |
| STONYPURST (Leicestershire), REV. W. SIDGWAYS, F.R. Met. Soc., F.R.A.S. | 265 | April | 29.860 | 1.088 | 85.8 | 21.8 | 47.0 | 55.7 | 37.2 | 18.5 | 45.6 | 38.9 | 7.8 | 3.6 | 0.8 | 78 | 545 | 90.5 | 5.2 | 10 | 1.78 |
| | | May | 29.744 | 1.004 | 73.0 | 33.4 | 39.8 | 47.8 | 31.6 | 47.0 | 44.0 | 52.8 | 47.8 | 3.3 | 0.7 | 83 | 558 | 101.8 | 1.3 | 2 | 0.94 |
| | | June | 29.811 | 1.022 | 80.2 | 42.8 | 48.4 | 51.8 | 31.1 | 50.6 | 50.8 | 37.5 | 4.2 | 1.0 | 81 | 551 | 101.8 | 0.1 | 4 | 3.74 | |
| | | July | 29.603 | 1.002 | 69.0 | 84.0 | 63.0 | 42.8 | 20.2 | 42.7 | 31.5 | 2.90 | 3.3 | 0.8 | 75 | 553 | 102.7 | 3.0 | 10 | 0.08 | |
| | | August | 29.928 | 1.010 | 79.0 | 32.0 | 47.0 | 62.4 | 37.9 | 50.7 | 43.3 | 38.1 | 3.3 | 0.9 | 76 | 543 | 101.4 | 5.7 | 14 | 0.72 | |
| | | September | 29.956 | 0.832 | 80.0 | 38.0 | 42.0 | 63.2 | 37.6 | 33.5 | 36.1 | 31.2 | 8.1 | 1.1 | 76 | 541 | 111.3 | 4.2 | 1 | 0.75 | |
| CARLISLE, Spital (Cumberland) ISAAC CARMEL, Esq., F.R. Met. Soc. | 114 | April | 29.401 | 0.972 | 59.0 | 37.5 | 53.7 | 33.4 | 20.6 | 42.0 | 31.8 | 1.03 | 3.4 | 0.7 | 77 | 544 | 100.8 | 1.44 | 11 | 1.44 | |
| | | May | 29.428 | 0.931 | 78.3 | 47.3 | 50.0 | 41.9 | 37.6 | 41.7 | 28.5 | 1.0 | 3.0 | 0.9 | 75 | 535 | 38.6 | 1.56 | 17 | 0.50 | |
| | | June | 29.450 | 0.923 | 78.3 | 84.0 | 62.8 | 46.3 | 39.5 | 32.8 | 45.2 | 20.1 | 3.4 | 1.1 | 76 | 532 | 101.4 | 0.9 | 29 | 0.58 | |
| | | July | 29.437 | 0.903 | 80.0 | 83.5 | 64.5 | 44.5 | 31.7 | 31.3 | 39.4 | 40.5 | 33.9 | 1.0 | 78 | 544 | 91.2 | 7.2 | 1 | 1.18 | |
| | | August | 29.434 | 0.962 | 75.0 | 33.7 | 41.3 | 39.1 | 34.3 | 39.1 | 40.2 | 28.0 | 2.8 | 1.1 | 73 | 531 | 97.2 | 7.1 | 16 | 0.45 | |
| | | September | 29.453 | 0.913 | 75.1 | 8.5 | 37.6 | 39.4 | 45.9 | 33.0 | 43.8 | 45.6 | 21.0 | 3.4 | 81 | 530 | 101.4 | 0.7 | 18 | 0.52 | |

Second Disbursements are placed—

At The Cemetery, Eastbourne, at the height of

Beachy Head

Oxford
Nottingham

10

[illegible]

The highest temperatures of the air were at Cambridge, 87° 0; at Blackheath, 86° 8; and at Royston, 86° 0. The lowest temperatures of the air were at Salisbury, 15° 0; at Stonyhurst, 20° 8; and at Barnet, 21° 0. The greatest ranges of temperature were at Salisbury, 64° 0; at Rugby, 63° 4; and at Barnet, 65° 0. The least ranges of temperature were at Guernsey and Truro, 46° 0; and at Llandudno, 46° 8. The greatest number of days of rain were at Hull, 53; at Braford, 52; and at Llandudno, Halifax, and Stonyhurst, 48. The least number of days of rain were at Salisbury and Barnet, 27; and at Barnstaple and Oxford, 29. The greatest falls of rain were at Stonyhurst, 12' 13 inches; at Hull, 10' 40 inches; and at Halifax, 8' 83 inches. The least falls of rain were at Salisbury, 2' 67 inches; at Barnstaple, 2' 74 inches; and at Whitechapel, 2' 80 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | | Mean Pressure of air reduced to the level of the Sea | Mean of all Highest Read- ings of the Thermometer | Mean of all Lowest Read- ings of the Thermometer | Mean Range of Tempera- ture in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required by saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | RAIN. | | | |
|-------------------------------|-------------|--|--|---|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|---|--------------------------|--|--|--|-----------------------------|------------------------------|-----------------------------|----|------|-------|------|--------|-------|
| | | Relative Pro- portion of | | | | | | | | | | | | | | | | | | Mean Amount of Cloud. | | | | | | | |
| | | N. E. S. W. | | | | | | | | | | | | | | | | | | Mean Amount of Days it fell. | Mean Amount col- lected. | | | | | | |
| Itinerary | in | 59° 705 | 76° 4 | 30° 4 | 46° 0 | 55° 3 | 45° 0 | 35° 2 | 18° 5 | 61° 5 | 46° 7 | 32° 3 | 37° 0 | 0° 9 | 84° 38 | 113° 1 | 37° 8 | 0° 8 | 8 | 6 | 6 | 10 | 1° 9 | 4° 6 | 36 | 4° 9 | |
| " | 50° and 51° | 59° 715 | 76° 8 | 31° 4 | 49° 7 | 52° 5 | 45° 4 | 34° 1 | 18° 5 | 61° 5 | 46° 7 | 32° 3 | 37° 0 | 0° 9 | 78° 338 | 115° 6 | 39° 8 | 0° 8 | 7 | 7 | 8 | 5 | 10 | 4° 0 | 4° 6 | 39 | 4° 9 |
| Between the | 51° and 52° | 59° 730 | 78° 3 | 25° 0 | 58° 4 | 54° 3 | 42° 2 | 40° 3 | 18° 5 | 61° 5 | 46° 7 | 32° 3 | 37° 0 | 0° 9 | 71° 540 | 112° 0 | 37° 1 | 1° 2 | 8 | 8 | 0 | 7 | 10 | 2° 5 | 4° 7 | 31 | 4° 4 |
| " | 52° and 53° | 59° 716 | 82° 7 | 23° 7 | 59° 0 | 62° 3 | 41° 3 | 48° 2 | 20° 0 | 50° 4 | 43° 1 | 28° 6 | 37° 0 | 0° 9 | 77° 340 | 112° 5 | 37° 5 | 1° 2 | 8 | 8 | 0 | 7 | 10 | 2° 5 | 4° 7 | 31 | 4° 4 |
| " | 53° and 54° | 59° 729 | 77° 7 | 25° 7 | 52° 0 | 58° 3 | 42° 7 | 40° 9 | 15° 6 | 40° 1 | 41° 3 | 26° 3 | 37° 0 | 0° 9 | 75° 540 | 109° 5 | 33° 7 | 1° 1 | 7 | 7 | 8 | 5 | 9 | 2° 6 | 3° 6 | 40 | 4° 2 |
| " | 54° and 55° | 59° 696 | 80° 6 | 21° 3 | 50° 3 | 60° 4 | 43° 0 | 45° 3 | 17° 4 | 51° 8 | 43° 6 | 29° 3 | 37° 0 | 0° 9 | 70° 539 | 107° 9 | 36° 8 | 0° 8 | 8 | 8 | 6 | 11 | 2° 7 | 6° 0 | 48 | 10° 28 | |
| Mean for the | Year 1849 | 59° 531 | 80° 8 | 32° 1 | 48° 7 | 52° 0 | 45° 5 | 34° 7 | 16° 5 | 52° 4 | 46° 9 | 3° 1 | 37° 0 | 0° 8 | 83° 536 | 102° 9 | 42° 8 | 0° 8 | 8 | 8 | 7 | 8 | 2 | 2° 6 | 6° 4 | 39 | 6° 58 |
| " | " 1850 | 59° 572 | 75° 9 | 19° 6 | 46° 9 | 59° 7 | 44° 3 | 35° 8 | 16° 3 | 51° 5 | 44° 8 | 30° 2 | 37° 0 | 0° 9 | 79° 439 | 108° 1 | 37° 3 | 1° 1 | 7 | 7 | 7 | 10 | 2° 4 | 6° 2 | 40 | 6° 58 | |
| " | " 1851 | 59° 631 | 78° 8 | 37° 6 | 51° 2 | 59° 1 | 42° 9 | 39° 9 | 16° 3 | 49° 5 | 43° 8 | 29° 3 | 37° 0 | 0° 9 | 73° 540 | 106° 4 | 37° 2 | 1° 1 | 8 | 8 | 6 | 8 | 2 | 2° 6 | 6° 4 | 40 | 6° 0 |
| " | " 1852 | 59° 707 | 80° 2 | 24° 6 | 55° 7 | 61° 6 | 42° 7 | 44° 8 | 8° 8 | 51° 1 | 43° 2 | 28° 3 | 37° 0 | 0° 9 | 76° 559 | 111° 2 | 37° 0 | 0° 9 | 8 | 8 | 6 | 6 | 10 | 2° 4 | 6° 5 | 37 | 6° 0 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING SEPTEMBER 30, 1892.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING SEPTEMBER 30TH, 1892.

By JAMES GLAISHER, ESQ., F.R.S., &c.

The weather in July was cold, showery during the first part of the month, and dry at the end. The temperature of the air was below the average on every day, excepting the 3rd, 4th, 7th, and 31st, and particularly so from the 14th to the 21st. The atmospheric pressure was generally below the average till the 20th, and above from the 21st. The fall of rain at most stations was less than the average. The S.W. wind was prevalent in the first part of the month, and the N.E. after the 20th. There was very little thunder during the month. The hay crop was generally light.

The weather in August was variable, but was very different at different parts of the country. In the south it was a moderately warm month, with frequent rain; in the north the first fortnight was generally bright, and the last week was cold, wet, and unsettled over the whole country. The temperature of the air about London was generally above the average from the 14th to the 25th, and generally below on all other days. The atmospheric pressure was above the average till the 12th day, and below, with the exception of the 16th, 20th, and 21st, from the 13th day, and particularly so at the end of the month. The fall of rain was above the average at nearly all stations. The wind was mostly from S.W.

The weather in September was dull and wet during the first week, then dry, with occasional bright sun till the 19th, and generally wet and dull from the 20th. The temperature of the air was below its average till the 9th, from the 14th to the 18th, and from the 28th, and above from the 10th to the 13th, and from the 19th to the 27th. The atmospheric pressure was, with the exception of a very few days, below the average all the month. The fall of rain was somewhat above the average. The prevalent wind was from the S.W. The month was not favourable for harvest work.

About London the mean daily temperature of the air was generally below its average from July 1st to August 13th, being particularly so on the 14th, 17th, 18th, and 19th of July, when it was as much as $8^{\circ} \cdot 5$, $9^{\circ} \cdot 9$, $8^{\circ} \cdot 2$, and $9^{\circ} \cdot 7$ respectively below; the mean daily deficiency for the 44 days, ending August 13th, being $2^{\circ} \cdot 5$; from August 14th to the 25th it was generally above, the mean daily excess being $1^{\circ} \cdot 7$; from August 26th to September 9th it was generally below, the mean daily deficiency being $3^{\circ} \cdot 3$; from September 10th to the 13th it was above, the mean daily excess being $3^{\circ} \cdot 7$; from September 14th to the 18th it was generally below, the mean daily deficiency being $2^{\circ} \cdot 3$; from September 19th to the 27th it was above, the mean daily excess being $2^{\circ} \cdot 8$; and from September 28th to the 30th it was below its average, the mean daily deficiency for the 3 days ending September 30th being $3^{\circ} \cdot 7$.

The mean temperature of the air for July was $59^{\circ} \cdot 6$, being $2^{\circ} \cdot 0$ and $2^{\circ} \cdot 5$ below the average of 121 and 51 years respectively; it was $0^{\circ} \cdot 7$ lower than in 1891, $0^{\circ} \cdot 1$ higher than in 1890, and $1^{\circ} \cdot 4$ lower than in 1889.

The mean temperature of the air for August was $61^{\circ} \cdot 7$, being $0^{\circ} \cdot 8$ and $0^{\circ} \cdot 4$ above the average of 121 and 51 years respectively; it was $3^{\circ} \cdot 1$, $2^{\circ} \cdot 4$, and $1^{\circ} \cdot 7$ higher than in 1891, 1890, and 1889 respectively.

The mean temperature of the air for September was $56^{\circ} \cdot 3$, being $0^{\circ} \cdot 2$ and $0^{\circ} \cdot 8$ below the average of 121 and 51 years respectively; it was $2^{\circ} \cdot 8$ and $3^{\circ} \cdot 2$ lower than in 1891 and 1890 respectively, and $0^{\circ} \cdot 5$ higher than in 1880.

The mean high day temperature of the air for July was $70^{\circ}\cdot9$, being $3^{\circ}\cdot1$ below the average of 51 years; it was $0^{\circ}\cdot8$ lower than in 1891, $0^{\circ}\cdot5$ higher than in 1890, and $0^{\circ}\cdot6$ lower than in 1841, viz. :—

| | | |
|------------------------------|------------------------------|------------------------------|
| In 1890 it was $70^{\circ}4$ | In 1879 it was $67^{\circ}2$ | In 1860 it was $69^{\circ}2$ |
| " 1888 " $67^{\circ}2$ | " 1875 " $68^{\circ}9$ | " 1853 " $70^{\circ}5$ |
| " 1883 " $70^{\circ}6$ | " 1862 " $70^{\circ}8$ | " 1841 " 67° |

mean high day temperature

The mean high day temperature of the air for August was $73^{\circ} \cdot 6$, being $10^{\circ} \cdot 8$ above the average of 51 years; it was $4^{\circ} \cdot 3$, $2^{\circ} \cdot 9$, and $2^{\circ} \cdot 3$ higher than in 1891, 1890, and 1889 respectively.

The mean high day temperature of the air for September was $66^{\circ}.7$, being $0^{\circ}.7$ below the average of 51 years; it was $3^{\circ}.1$ and $4^{\circ}.5$ lower than in 1891 and 1890 respectively, and $1^{\circ}.3$ higher than in 1889.

The mean low night temperature of the air for July was $51^{\circ} \cdot 2$, being $1^{\circ} \cdot 9$ below the average of 51 years; it was $0^{\circ} \cdot 4$, $0^{\circ} \cdot 4$, and $2^{\circ} \cdot 1$ lower than in 1891, 1890, and 1889 respectively; and there were only seven instances of as low or lower temperature back to the year 1841, viz. :—

| | | |
|------------------|------------------|------------------|
| 1867 it was 50.8 | 1862 it was 50.8 | 1851 it was 51.0 |
| 1864 " 51.2 | 1860 " 50.1 | 1848 " 51.2 |
| 1863 " 49.4 | | |

The mean low night temperature of the air for August was $52^{\circ}6$, being $0^{\circ}4$ below the average of 51 years; it was $1^{\circ}1$, $1^{\circ}4$, and $1^{\circ}0$ higher than in 1891, 1890, and 1889 respectively.

The mean low night temperature of the air for September was $47^{\circ}9$, being $1^{\circ}2$ below the average of 51 years; it was $2^{\circ}3$, $2^{\circ}5$, and $0^{\circ}2$ lower than in 1891, 1890, and 1889 respectively.

The mean daily range for July was $19^{\circ}7$, being $1^{\circ}3$ smaller than the average; in August it was $21^{\circ}0$, being $1^{\circ}2$ larger than the average; and in September it was $18^{\circ}8$, being $0^{\circ}5$ larger than the average.

The mean temperature of the air for July was $1^{\circ}5$ warmer than in June; in August it was $2^{\circ}1$ warmer than in July; and in September it was $5^{\circ}4$ colder than in August.

(From the preceding 51 years' observations the increase from June to July is $3^{\circ}1$; from July to August the decrease is $0^{\circ}8$; and from August to September the decrease is $4^{\circ}2$.)

From June to July there is an increase of $3^{\circ}2$ at stations south of 51° ; between 51° and 52° an increase of $1^{\circ}8$; between 52° and 53° of $1^{\circ}4$; and at stations north of this parallel of $1^{\circ}7$.

| 1892. MONTHS. | | Temperature of | | | | | | | | | | Elastic Force of Vapour. | | Weight of Vapour in a Cubic Foot of Air. | |
|------------------|---|----------------|--|--|-------|--|-------|--|-------|--|-----|-----------------------------|-----|---|------|
| | | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | | | |
| | | Mean. | Diff. from ave- rage of 51 years. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | | | | | |
| | | | | | | | | | | | | | | | |
| July | - | 59.6 | -2.0 | 2.5 | 55.5 | -2.1 | 51.8 | -2.3 | 19.7 | -1.5 | 385 | -0.01 | 4.3 | grs. | -0.4 |
| Aug. | - | 61.7 | +0.8 | +0.4 | 57.6 | +0.3 | 54.1 | +0.1 | 21.0 | +1.2 | 419 | +0.02 | 4.6 | - | -0.1 |
| Sept. | - | 56.3 | -0.2 | -0.8 | 53.4 | -0.6 | 50.5 | -0.6 | 18.8 | +0.5 | 367 | -0.02 | 4.1 | - | -0.2 |
| Means | - | 59.2 | -0.5 | -1.0 | 55.5 | -0.8 | 52.1 | -0.9 | 19.8 | +0.1 | 390 | -0.01 | 4.3 | - | -0.2 |

| 1892. MONTHS. | | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|------------------|---|---------------------------|--|-----------------------------|--|--------------------------------------|--|-------------|--|---|----------------------------------|---------------|-----------|---|--|
| | | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Amount. | Diff. from ave- rage of 77 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | | At or below 30°. | | | | |
| | | | | | | | | | | | Be- tween 30° and 40°. | Above 40°. | | | |
| July | - | 76 | 0 | 29.842 | +0.050 | 531 | +3 | 1.54 | -1.04 | Miles. 276 | 0 | 1 | 50 | 39.5 | 51.8 |
| Aug. | - | 77 | 0 | 29.767 | -0.023 | 527 | -2 | 3.03 | +0.65 | 250 | 0 | 4 | 17 | 35.0 | 55.1 |
| Sept. | - | 81 | 0 | 29.811 | +0.005 | 534 | +1 | 2.01 | -0.35 | 254 | 2 | 13 | 15 | 28.2 | 53.0 |
| Means | - | 78 | 0 | 29.803 | +0.011 | 531 | +1 | Sum 6.58 | Sum -0.74 | Mean 260 | Sum 2 | Sum 18 | Sum 72 | Lowest 28.2 | Highest 55.1 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows:—

| Direction of Wind. | JULY. | | | AUGUST. | | | SEPTEMBER. | | |
|--------------------|-------|----------|-------------------------|---------|----------|-------------------------|------------|----------|-------------------------|
| | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 2 | 3 | -1 | 4 | 3 | +1 | 3 | 4 | -1 |
| N. | 4 | 3 | +1 | 1 | 3 | -2 | 3 | 6 | -3 |
| N.E. | 10 | 4 | +6 | 1 | 3 | -2 | 1 | 2 | -1 |
| E. | 2 | 3½ | -1½ | 1 | 1½ | -½ | 0 | 2 | -2 |
| S.E. | 3 | 2 | +1 | 2 | 1½ | +½ | 1 | 3 | -2 |
| S. | 1 | 1½ | -½ | 4 | 3 | +1 | 3 | 8 | -5 |
| S.W. | 6 | 10 | -4 | 15 | 12 | +3 | 17 | 3 | +14 |
| W. | 3 | 4 | -1 | 3 | 4 | -1 | 2 | 2 | 0 |

The sign (+) denotes excesses over averages; the numbers affected by this sign in July are N.E., N., and S.E.; in August are S.W., S., N.W., and S.E.; and in September is S.W.

The sign (-) denotes deficiencies below averages; the largest numbers affected by this sign in July are S.W., E., N.W., and W.; in August are N., N.E., and W.; and in September are S., N., N.W., and N.E.

From July to August there is an increase of $1^{\circ}6$ at stations south of 51° ; between 51° and 52° of $1^{\circ}9$; between 52° and 53° of $2^{\circ}9$; and at stations north of this parallel of $1^{\circ}8$.

From August to September there is a decrease of $4^{\circ}1$ at stations south of 51° ; between 51° and 52° a decrease of $5^{\circ}2$; and at stations north of this parallel of $4^{\circ}5$.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of July was 29.842 ins., being 0.050 in. above the average of 51 years; it was 0.083 in., 0.107 in., and 0.083 in. higher than in 1891, 1890, and 1889 respectively, and there were only 12 instances of as high or higher reading back to the year 1841, viz.:—

| | | |
|-------------------------|-------------------------|-------------------------|
| 1887 it was 29.866 ins. | 1869 it was 29.928 ins. | 1859 it was 29.937 ins. |
| 1885 " 29.996 " | 1868 " 29.891 " | 1857 " 29.847 " |
| 1878 " 29.863 " | 1864 " 29.856 " | 1852 " 29.857 " |
| 1876 " 29.902 " | 1863 " 29.961 " | 1847 " 29.924 " |

The mean reading of the barometer for August was 29.757 ins., being 0.023 in. below the average of 51 years; it was 0.111 in., 0.042 in., and 0.047 in. higher than in 1891, 1890, and 1889 respectively.

The mean reading of the barometer for September was 29.811 ins., being 0.005 in. above the average of 51 years; it was 0.023 in., 0.168 in., and 0.054 in. lower than in 1891, 1890, and 1889 respectively.

From June to July there was a decrease of atmospheric pressure of 0.01 in. at stations south of 51° ; an increase of 0.01 in. between 51° and 52° ; and at stations north of this parallel an increase of about 0.03 in.

From July to August there was a decrease of atmospheric pressure at all stations; at those south of 52° of 0.08 in.; between 52° and 53° of 0.11 in.; and at stations north of this parallel of 0.15 in.

From August to September there was an increase at all stations; at those south of 51° of 0.08 in.; between 51° and 53° of about 0.05 in.; and at stations north of this parallel of 0.03 in.

About London the atmospheric pressure was generally below its average till July 20th, the mean daily deficiency for these 20 days being 0.10 in.; from July 21st to August 12th it was generally above, the mean daily excess being 0.16 in.; and from August 13th to September 30th it was generally below, the mean daily deficiency for the 49 days ending September 30th being 0.10.

Thunderstorms occurred in July on the 3rd at Liverpool, Halifax, Leeds, and Stonyhurst; on the 5th at Hull; on the 11th at Guernsey, Truro, and Torquay; on the 13th at Truro; on the 28th at Guernsey; and on the 30th at Osborne.

In August on the 18th at Guernsey, Osborne, Salisbury, Bath, Blackheath, Royal Observatory, Oxford, Royston, and Somerleyton; on the 23rd at Salisbury, Bath, Oxford, Lowestoft, Somerleyton, Wolverhampton, Liverpool, and Halifax; on the 24th at Halifax and Stonyhurst; on the 29th at Hull; and on the 30th at Stonyhurst.

In September on the 2nd at Liverpool, Halifax, and Stonyhurst; on the 3rd at Wolverhampton and Halifax; on the 19th at Guernsey; on the 20th at Torquay, Salisbury, Whitechurch, Oxford, Royston, Rugby, and Somerleyton; on the 21st at Torquay, Salisbury, Blackheath, Royal Observatory, and Oxford; on the 28th at Carlisle; and on the 29th at Halifax.

Thunder was heard but lightning was not seen in July on the 3rd at Hull; on the 4th at Lowestoft and Carlisle; on the 5th at Halifax; on the 16th at Royston; on the 29th at Osborne and Royston; and on the 30th at Salisbury.

In August on the 16th at Royston; on the 17th at Blackheath and Royal Observatory; on the 18th at Torquay and Whitechurch; on the 22nd at Royston; on the 23rd at Guernsey, Torquay, Osborne, and Hereford; on the 24th at Hull and Leeds; on the 27th at Whitechurch; on the 28th at Osborne; and on the 31st at Carlisle.

In September on the 3rd at Carlisle; on the 12th at Stonyhurst; on the 20th at Osborne, Blackheath, and Royal Observatory; on the 21st at Osborne; on the 26th at Halifax; and on the 30th at Halifax and Leeds.

Lightning was seen but thunder was not heard in July on the 7th and 8th at Halifax; on the 15th at Rugby and Halifax; and on the 28th at Torquay.

In August on the 13th at Royston, Liverpool, Halifax, Hull, Leeds, and Stonyhurst; on the 18th and 22nd at Torquay; on the 23rd at Torquay, Royston, and Halifax; on the 24th at Blackheath, Royal Observatory, and Liverpool; on the 26th at Halifax; on the 29th at Lowestoft and Stonyhurst; and on the 30th at Lowestoft.

In September on the 2nd and 3rd at Liverpool; on the 7th at Halifax; on the 15th at Guernsey and Torquay; on the 20th at Bath; on the 28th at Torquay, Salisbury, Blackheath, Royal Observatory, Oxford, Cambridge, Halifax, and Hull; and on the 29th at Torquay and Salisbury.

Solar halos were seen in July on the 1st at Torquay and Halifax; on the 2nd at Torquay, Oxford, and Halifax; on the 4th at Liverpool, Halifax, and Stonyhurst; on the 5th at Halifax; on the 10th at Liverpool; on the 15th at Torquay; on the 18th at Stonyhurst; on the 19th at Oxford; and on the 26th, 27th, and 28th at Torquay.

In August on the 7th at Torquay and Stonyhurst; on the 10th at Torquay, Liverpool, Halifax, and Stonyhurst; on the 11th at Torquay and Oxford; on the 17th at Halifax; on the 19th at Torquay; on the 22nd at Torquay, Oxford, Liverpool, and Halifax; on the 23rd at Liverpool and Stonyhurst; and on the 26th at Torquay, Liverpool, Halifax, and Stonyhurst.

In September on the 1st and 7th at Torquay; on the 12th at Oxford and Halifax; on the 13th at Oxford; on the 18th and 25th at Torquay; and on the 30th at Torquay and Oxford.

Lunar halos were seen in July on the 1st at Torquay; and on the 4th at Halifax.

In August on the 28th at Hereford.

In September on the 5th at Halifax; and on the 7th at Hull.

Hail fell in July on the 3rd at Halifax and Leeds.

In September on the 2nd at Stonyhurst and Carlisle; on the 3rd at Lowestoft, Liverpool, Halifax, and Carlisle; on the 21st at Blackheath and Royal Observatory; on the 28th at Hereford; on the 29th at Halifax; and on the 30th at Halifax and Stonyhurst.

Fog prevailed in July on the 11th at Bath; on the 12th at Torquay; on the 16th at Torquay and Bath; on the 21st at Bath; and on the 23rd at Royston and Lowestoft.

In August on the 2nd at Halifax and Leeds; on the 8th at Stonyhurst; on the 9th and 12th at Bath; on the 16th and 18th at Torquay; on the 19th at Blackheath and Royal Observatory; on the 22nd at Torquay, Blackheath, and Royal Observatory; on the 23rd at Torquay; on the 24th at Bath; on the 27th at Torquay; and on the 29th at Halifax.

In September on the 6th at Whitchurch; on the 7th at Bath; on the 8th at Torquay; on the 9th at Bath; on the 12th at Guernsey and Torquay; on the 18th at Oxford; on the 20th at Torquay, Bath, and Cambridge; on the 21st at Bath; on the 22nd at Torquay, Bath, and Cambridge; on the 23rd at Bath, Blackheath, Royal Observatory, and Rugby; and on the 26th at Blackheath, Royal Observatory, Cambridge, and Rugby.

MONTHLY METEOROLOGICAL TABLE FOR THE QUARTER ENDING SEPTEMBER 30TH, 1892.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1892. | Months. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Temperature. | | Vapour. | | | Mean Reading of Thermometer. | Wind. | | | Mean Amount of Cloud. | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------|------------------------------------|---|---|--------|----------|------------------------------|--------|-----------------|-------------------|--------------|---------|------------|----------------|------------------------------|-------|-------------------------|--------------------------------------|-----------------------|-------|-------------------------------------|-------------------------|--------------------|--------------------|------------------------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|
| | | | | Mean. | Range. | Highest. | Lowest. | Range. | Of All Highest. | Of All Lowest. | Daily Range. | Air. | Dew Point. | Elastic Force. | | Mean. | In a cubic foot of Air. | Mean Degree of Humidity, Sat. = 100. | | | Mean Weight of a cubic foot of Air. | Minimum in Kays of Sun. | Maximum in Grains. | Eastward Strength. | Relative Proportion of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | N. | S. | W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| July | July | 275 | GUERNSEY, ALPHONSE COLLETTTE, Esq., F. R. Met. Soc. | 29.739 | 0.778 | 75.5 | 43.8 | 75.5 | 31.7 | 67.3 | 51.9 | 13.4 | 59.0 | 55.8 | 0 | 0.8 | 5.5 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 | 1.24 | 10 |

| Year 1892. | Height of Station above Sea Level. | Name of Station and Observer. | Pressure of Atmosphere in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | | | Mean of Reading Thermometer. | | | Wind. | | | Rain. Amount col- lected. | | | | |
|---------------|---------------------------------------|----------------------------------|----------------------------------|--------|-------|------------------------------|---------|--------|------------------------|----|---------|------------|----------------|---------------------------------|--|--|----------------------------|----------------------|------------------------|---------------------------------|---------------------------|---|---|----------------------------|
| | | | Mean. | Range. | Inch. | Highest. | Lowest. | Range. | Mean. | | Air. | Dew Point. | Elastic Force. | In a Cubic foot of Air. | Mean Degree of Humi- dity, Sat. = 100. | Mean Weight of a cubic foot of Air. | Maximum in Kays of Sun. | Minimum on Grass. | Estimated Strength. | | Relative Proportion of | | | |
| | | | | | | | | | N. | E. | | | | | | | | | | | S. | W. | | |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. <td>Mean Amount of Cloud.<td>Number of Days it fell.</td></td> | Mean Amount of Cloud. <td>Number of Days it fell.</td> | Number of Days it fell. |
| | | | | | | | | | | | | | | | | | | | | | | Mean Amount of Ozone. | | |

| Year 1892. | Height of Station Above Sea Level. | Names of Stations and Observers. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | Mean Tem- perature. | | Vapour. | | Mean of Reading of Thermometer. | | Wind. | | | Rain. Amount col- lected. | | | | | | | | | | | | | | | |
|---------------|---------------------------------------|--|---------------------------|--------|------|------------------------------|--------|-----------------|------------------------|------|------------|----------------|---------------------------------------|-----|--|----------------------------|----------------------|---------------------------------|------------------------|---------------------------|----|--------------------------|--------------------------|----------------------------|-----|-----|-----|-----|-----|------|------|-----|-----|
| | | | Mean. | Range. | In. | Lowest. | Range. | Mean | | Air. | Dew Point. | Elastic Force. | in a cubic foot of Air. | | Mean Weight of a cubic foot of Air. | Maximum in Kays of Sun. | Minimum on Grass. | | Estimated Strength. | Relative Proportion of | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | | | | | | | | | |
| | | | | | | | | Of All Highest. | Of All Lowest. | | | | Daily Range. | N. | | | | | | S. | W. | | | | | | | | | | | | |
| July | 107 | LIVERPOOL, The Observatory, W. E. PLUMMER, Esq., F.R.S. | 29.794 | 0.940 | 73.9 | 49.2 | 24.7 | 61.4 | 52.0 | 11.4 | 50.0 | 48.8 | 317 | 3.9 | 1.1 | 77 | 535 | — | — | 7 | 10 | 4 | 10 | 4 | 10 | 14 | 14 | 14 | 7.1 | 7.1 | 3.55 | | |
| Aug. | 107 | LIVERPOOL, The Observatory, W. E. PLUMMER, Esq., F.R.S. | 29.697 | 0.955 | 73.1 | 44.8 | 28.3 | 64.7 | 54.2 | 10.5 | 48.0 | 51.9 | 388 | 3.8 | 0.9 | 80 | 535 | — | — | 7 | 10 | 3 | 11 | 4 | 10 | 14 | 14 | 14 | 7.1 | 7.1 | 3.55 | | |
| Sept. | 107 | LIVERPOOL, The Observatory, W. E. PLUMMER, Esq., F.R.S. | 29.697 | 0.955 | 73.1 | 44.8 | 28.3 | 64.7 | 54.2 | 10.5 | 48.0 | 51.9 | 388 | 3.8 | 0.9 | 80 | 535 | — | — | 7 | 10 | 3 | 11 | 4 | 10 | 14 | 14 | 14 | 7.1 | 7.1 | 3.55 | | |
| July | 520 | HALIFAX, Barmerside Observatory, J. E. GLENN, Esq., F.R.S. | 29.472 | 0.944 | 78.0 | 40.0 | 38.0 | 63.2 | 48.5 | 14.9 | 54.2 | 49.7 | 317 | 3.6 | 1.1 | 75 | 531 | 56.1 | 45.9 | 3 | 11 | 6 | 10 | 6 | 10 | 14 | 14 | 14 | 7.3 | 7.3 | 3.55 | | |
| Aug. | 520 | HALIFAX, Barmerside Observatory, J. E. GLENN, Esq., F.R.S. | 29.391 | 0.914 | 78.2 | 39.0 | 39.0 | 62.8 | 48.5 | 14.1 | 51.4 | 45.7 | 347 | 3.5 | 1.2 | 75 | 539 | 10.7 | 43.0 | 3 | 10 | 13 | 3 | 10 | 13 | 14 | 14 | 14 | 7.3 | 7.3 | 3.55 | | |
| Sept. | 520 | HALIFAX, Barmerside Observatory, J. E. GLENN, Esq., F.R.S. | 29.391 | 0.914 | 78.2 | 39.0 | 39.0 | 62.8 | 48.5 | 14.1 | 51.4 | 45.7 | 347 | 3.5 | 0.8 | 81 | 532 | 10.7 | 43.0 | 3 | 10 | 13 | 3 | 10 | 13 | 14 | 14 | 14 | 7.3 | 7.3 | 3.55 | | |
| July | 625 | HALIFAX, Public Library, J. WHITELEY, Esq. | 29.329 | 0.983 | 80.3 | 40.9 | 39.4 | 61.6 | 49.2 | 12.4 | 53.8 | 46.3 | 312 | 3.3 | 0.8 | 81 | 539 | 10.7 | 45.4 | 7 | 10 | 5 | 9 | 7 | 10 | 14 | 14 | 14 | 7.8 | 7.8 | 3.54 | | |
| Aug. | 625 | HALIFAX, Public Library, J. WHITELEY, Esq. | 29.213 | 0.914 | 74.0 | 43.5 | 39.5 | 62.8 | 51.5 | 11.3 | 51.1 | 47.9 | 325 | 3.7 | 1.5 | 74 | 521 | 10.1 | 45.0 | 7 | 10 | 5 | 9 | 7 | 10 | 14 | 14 | 14 | 7.7 | 7.7 | 3.54 | | |
| Sept. | 625 | HALIFAX, Public Library, J. WHITELEY, Esq. | 29.213 | 0.914 | 74.0 | 43.5 | 39.5 | 62.8 | 51.5 | 11.3 | 51.1 | 47.9 | 325 | 3.7 | 1.5 | 74 | 521 | 10.1 | 45.0 | 7 | 10 | 5 | 9 | 7 | 10 | 14 | 14 | 14 | 7.7 | 7.7 | 3.54 | | |
| July | 6 | HULL (Yorkshire), The People's Park, M. E. FEAR. | 29.010 | 0.948 | 79.0 | 41.0 | 38.0 | 63.3 | 51.7 | 11.6 | 56.1 | 47.9 | 336 | 3.8 | 1.5 | 74 | 531 | 10.3 | 46.3 | 7 | 9 | 7 | 9 | 7 | 9 | 10 | 13 | 13 | 6.5 | 6.5 | 3.53 | | |
| Aug. | 6 | HULL (Yorkshire), The People's Park, M. E. FEAR. | 29.857 | 0.888 | 81.0 | 44.0 | 37.0 | 67.2 | 50.9 | 16.3 | 58.4 | 53.0 | 388 | 4.3 | 1.2 | 83 | 533 | 10.9 | 47.2 | 10 | 9 | 7 | 10 | 13 | 13 | 13 | 13 | 13 | 5.4 | 5.4 | 3.54 | | |
| Sept. | 6 | HULL (Yorkshire), The People's Park, M. E. FEAR. | 29.886 | 0.920 | 80.0 | 39.0 | 39.0 | 61.8 | 45.6 | 16.2 | 53.7 | 45.8 | 397 | 3.3 | 1.5 | 74 | 531 | 10.3 | 46.3 | 10 | 9 | 7 | 10 | 13 | 13 | 13 | 13 | 13 | 5.4 | 5.4 | 3.54 | | |
| July | 206 | BRADFORD (Yorkshire), J. McLEOD, Esq., C.E., J. McLEOD, Esq., C.E. | 29.698 | 0.928 | 77.0 | 44.2 | 31.8 | 65.5 | 53.5 | 12.0 | 58.1 | 50.5 | 348 | 4.1 | 1.3 | 76 | 520 | 9.7 | — | 7 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 7.5 | 7.5 | 3.57 | | |
| Aug. | 206 | BRADFORD (Yorkshire), J. McLEOD, Esq., C.E., J. McLEOD, Esq., C.E. | 29.469 | 0.892 | 77.0 | 44.2 | 31.8 | 65.5 | 53.5 | 12.0 | 58.1 | 50.5 | 348 | 4.1 | 1.3 | 76 | 520 | 9.7 | — | 7 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 7.5 | 7.5 | 3.57 | | |
| Sept. | 206 | BRADFORD (Yorkshire), J. McLEOD, Esq., C.E., J. McLEOD, Esq., C.E. | 29.469 | 0.892 | 77.0 | 44.2 | 31.8 | 65.5 | 53.5 | 12.0 | 58.1 | 50.5 | 348 | 4.1 | 1.3 | 76 | 520 | 9.7 | — | 7 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 7.5 | 7.5 | 3.57 | | |
| July | 137 | LEEDS (Yorkshire), The Philosophical Hall, EDGAR R. WAITE, Esq. | 29.753 | 0.888 | 80.0 | 45.0 | 35.0 | 67.4 | 53.3 | 14.1 | 58.7 | 49.8 | 468 | 4.0 | 1.6 | 80 | 580 | — | — | 4 | 11 | 6 | 10 | 10 | 10 | 10 | 10 | 10 | 7.1 | 7.1 | 3.53 | | |
| Aug. | 137 | LEEDS (Yorkshire), The Philosophical Hall, EDGAR R. WAITE, Esq. | 29.703 | 0.888 | 80.0 | 45.0 | 35.0 | 67.4 | 53.3 | 14.1 | 58.7 | 49.8 | 468 | 4.0 | 1.6 | 80 | 580 | — | — | 4 | 11 | 6 | 10 | 10 | 10 | 10 | 10 | 10 | 7.1 | 7.1 | 3.53 | | |
| Sept. | 137 | LEEDS (Yorkshire), The Philosophical Hall, EDGAR R. WAITE, Esq. | 29.745 | 0.901 | 81.0 | 45.0 | 35.0 | 64.2 | 49.2 | 15.0 | 54.1 | 47.8 | 431 | 3.8 | 1.0 | 76 | 546 | — | — | 4 | 11 | 6 | 10 | 10 | 10 | 10 | 10 | 7.1 | 7.1 | 3.53 | | | |
| July | 503 | STONTHURST (Leicestershire), Rev. W. SIGOUA, F.R.S. | 29.650 | 1.003 | 74.2 | 40.2 | 34.1 | 65.0 | 48.4 | 16.6 | 56.0 | 49.0 | 480 | 3.9 | 1.1 | 77 | 531 | 12.2 | 44.7 | 7 | 9 | 4 | 11 | — | — | — | — | 7.8 | 7.8 | 3.58 | | | |
| Aug. | 503 | STONTHURST (Leicestershire), Rev. W. SIGOUA, F.R.S. | 29.499 | 0.923 | 73.0 | 38.0 | 34.0 | 66.4 | 49.9 | 15.1 | 52.3 | 45.6 | 379 | 4.2 | 0.9 | 83 | 558 | 11.8 | 40.4 | 3 | 10 | 3 | 10 | 15 | — | — | — | 6.3 | 6.3 | 3.58 | | | |
| Sept. | 503 | STONTHURST (Leicestershire), Rev. W. SIGOUA, F.R.S. | 29.493 | 0.923 | 73.2 | 38.4 | 34.1 | 65.9 | 48.4 | 15.1 | 52.3 | 45.6 | 367 | 3.5 | 1.0 | 79 | 553 | 10.8 | 40.8 | 4 | 10 | 3 | 10 | 15 | — | — | — | 8.0 | 8.0 | 3.57 | | | |
| July | 114 | CARLISLE, Spital (Cumberland), J. McLEOD, Esq., F.R. Met. Soc. | 29.817 | 1.012 | 75.8 | 45.0 | 39.8 | 67.6 | 54.4 | 13.2 | 53.8 | 54.1 | 446 | 4.6 | 0.9 | 81 | 552 | 10.1 | 46.7 | 10 | 8 | 9 | 3 | 14 | 2.3 | 2.3 | 6.2 | 2.3 | 6.2 | 2.3 | 6.2 | 2.3 | 6.2 |
| Aug. | 114 | CARLISLE, Spital (Cumberland), J. McLEOD, Esq., F.R. Met. Soc. | 29.760 | 0.992 | 75.0 | 45.0 | 39.8 | 67.6 | 54.4 | 13.2 | 53.8 | 54.1 | 446 | 4.6 | 0.9 | 81 | 552 | 10.1 | 46.7 | 10 | 8 | 9 | 3 | 14 | 2.3 | 2.3 | 6.2 | 2.3 | 6.2 | 2.3 | 6.2 | 2.3 | 6.2 |
| Sept. | 114 | CARLISLE, Spital (Cumberland), J. McLEOD, Esq., F.R. Met. Soc. | 29.669 | 0.983 | 75.0 | 45.0 | 39.8 | 67.6 | 54.4 | 13.2 | 53.8 | 54.1 | 446 | 4.6 | 0.9 | 81 | 552 | 10.1 | 46.7 | 10 | 8 | 9 | 3 | 14 | 2.3 | 2.3 | 6.2 | 2.3 | 6.2 | 2.3 | 6.2 | 2.3 | 6.2 |

| NAMES OF STATIONS | | | | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. | |
|--------------------|---|---|---|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|----|-----------------------|-----------------------|----------------------------------|-------|------|
| | | | | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | - | - | - | 29.579 | 77.4 | 41.0 | 36.4 | 68.0 | 54.0 | 30.8 | 14.0 | 59.8 | 55.2 | .437 | 4.9 | 0.9 | 86 | 532 | 118.2 | 30.6 | 0.8 | 8 | 5 | 6 | 11 | 2.5 | 5.2 | 38 | 5.45 | |
| Truro | - | - | - | 29.588 | 80.0 | 30.0 | 50.0 | 68.3 | 51.8 | 39.0 | 16.4 | 59.6 | 51.5 | .381 | 4.2 | 1.4 | 75 | 533 | - | - | 1.7 | 8 | 4 | 9 | - | 4.7 | 46 | 8.06 | | |
| Torquay | - | - | - | 29.609 | 79.1 | 36.5 | 42.6 | 65.1 | 52.0 | 33.1 | 14.1 | 58.4 | 51.9 | .387 | 4.3 | 1.1 | 79 | 530 | 116.6 | 46.5 | 1.2 | 56 | 6 | 8 | 11 | 4.5 | 5.8 | 41 | 7.05 | |
| Eastbourne-Osborne | - | - | - | 29.594 | 79.0 | 41.1 | 37.9 | 68.0 | 52.8 | 30.6 | 15.2 | 59.0 | 54.8 | .431 | 4.8 | 0.8 | 86 | 531 | 115.1 | 50.5 | 0.3 | 5 | 5 | 8 | 12 | - | 5.5 | 39 | 7.70 | |
| Salisbury | - | - | - | 29.578 | 82.0 | 37.0 | 55.0 | 70.3 | 46.9 | 44.3 | 23.4 | 57.6 | 52.0 | .389 | 4.4 | 1.0 | 82 | 532 | 109.6 | 46.0 | 1.4 | 7 | 3 | 9 | 12 | - | 6.2 | 40 | 7.41 | |
| Barnstaple | - | - | - | 77.0 | 36.0 | 41.0 | 66.2 | 52.1 | 33.2 | 14.0 | 58.3 | 51.6 | .384 | 4.3 | 1.2 | 80 | 537 | - | - | 1.1 | 3 | 7 | 9 | 12 | - | 4.3 | 38 | 8.44 | | |
| Bath | - | - | - | 29.592 | 76.1 | 38.1 | 38.0 | 64.1 | 49.3 | 32.6 | 14.8 | 55.8 | 51.7 | .385 | 4.3 | 0.7 | 86 | 526 | 114.6 | - | 1.0 | 7 | 3 | 8 | 13 | - | 5.6 | 41 | 13.11 | |
| Whitechurch | - | - | - | 29.641 | 84.0 | 31.0 | 53.0 | 68.8 | 50.2 | 40.6 | 16.6 | 57.4 | 52.0 | .388 | 4.3 | 1.0 | 82 | 534 | 102.1 | - | 1.0 | 6 | 4 | 9 | 11 | - | 6.5 | 39 | 8.22 | |
| Royal Observatory | - | - | - | 29.583 | 84.3 | 37.2 | 47.1 | 70.4 | 50.6 | 37.8 | 19.8 | 59.3 | 53.1 | .390 | 4.3 | 1.3 | 78 | 531 | 115.2 | 43.7 | - | - | - | - | - | 2.1 | 6.5 | 42 | 6.58 | |
| Blackheath | - | - | - | 29.585 | 82.3 | 36.5 | 45.8 | 68.7 | 50.6 | 35.8 | 18.0 | 58.8 | 50.8 | .372 | 4.2 | 1.4 | 76 | 531 | 118.6 | - | 1.6 | 6 | 4 | 10 | 11 | - | 5.5 | 42 | 7.04 | |
| Camden Square | - | - | - | 29.612 | 82.1 | 35.4 | 45.7 | 69.6 | 51.6 | 37.2 | 18.0 | 59.3 | 50.6 | .370 | 4.1 | 1.2 | 73 | 532 | 109.4 | 47.0 | - | - | 5 | 6 | 9 | - | 5.8 | 39 | 6.80 | |
| Tottenham | - | - | - | 29.588 | 79.3 | 34.9 | 44.4 | 67.1 | 51.9 | 35.2 | 15.2 | 57.9 | 51.1 | .377 | 4.2 | 1.2 | 79 | 535 | - | 49.9 | 1.0 | 7 | 8 | 7 | 13 | - | 5.9 | 36 | 6.99 | |
| Barnet | - | - | - | 29.628 | 81.5 | 32.5 | 35.5 | 67.9 | 46.8 | 45.8 | 22.6 | 57.7 | 50.7 | .370 | 4.2 | 1.2 | 78 | 532 | 116.7 | 39.9 | 0.5 | 5 | 5 | 7 | 14 | - | 5.8 | 29 | 7.66 | |
| Oxford | - | - | - | 29.588 | 81.6 | 35.5 | 46.6 | 65.8 | 50.4 | 37.1 | 15.4 | 58.0 | 51.2 | .378 | 4.2 | 1.2 | 79 | 531 | 110.8 | 45.1 | 2.3 | 6 | 5 | 9 | 10 | 2.6 | 6.8 | 35 | 8.72 | |
| Royston | - | - | - | 29.607 | 83.4 | 35.7 | 47.7 | 68.8 | 49.8 | 37.9 | 19.1 | 57.4 | 51.3 | .380 | 4.2 | 1.1 | 80 | 532 | - | - | - | 8 | 4 | 6 | 13 | - | 6.5 | 32 | 9.59 | |
| Hereford | - | - | - | 29.607 | 79.9 | 36.1 | 43.8 | 64.9 | - | - | - | 53.3 | 48.7 | .346 | 3.7 | 1.2 | 76 | 531 | 114.1 | 42.1 | 1.7 | 7 | 5 | 8 | 10 | - | 6.4 | 44 | 7.20 | |
| Cambridge | - | - | - | 29.540 | 84.9 | 34.5 | 50.4 | 68.8 | 49.4 | 40.4 | 19.4 | 58.1 | 51.5 | .383 | 4.3 | 1.2 | 80 | 534 | 130.0 | - | 1.2 | 6 | 5 | 8 | 11 | - | 5.6 | 33 | 8.77 | |
| Lowestoft | - | - | - | 29.580 | 82.7 | 33.9 | 42.8 | 64.8 | 51.0 | 33.6 | 13.8 | 57.1 | 49.7 | .339 | 4.0 | 1.2 | 78 | 534 | 111.2 | 48.3 | 2.0 | 7 | 5 | 7 | 11 | - | 6.5 | 38 | 7.54 | |
| Somerleyton | - | - | - | 29.598 | 81.6 | 40.0 | 41.6 | 65.3 | 50.9 | 35.0 | 14.5 | 56.8 | 49.5 | .359 | 4.0 | 1.1 | 78 | 536 | - | - | 1.0 | 6 | 5 | 7 | 12 | - | 6.2 | 45 | 8.05 | |
| Wolverhampton | - | - | - | 29.640 | 81.3 | 33.2 | 48.1 | 63.1 | 47.5 | 37.0 | 15.7 | 54.0 | 48.4 | .340 | 3.8 | 1.0 | 81 | 531 | - | - | - | 7 | 5 | 10 | 8 | - | 7.9 | 42 | 6.84 | |
| Nottingham | - | - | - | 29.599 | 81.6 | 37.5 | 44.1 | 64.3 | 49.1 | 34.3 | 13.5 | 55.7 | 48.0 | .338 | 3.8 | 1.2 | 75 | 533 | 106.0 | 46.0 | 0.6 | 7 | 5 | 3 | 15 | 0.1 | 6.2 | 42 | 6.99 | |
| Llandudno | - | - | - | 29.564 | 73.4 | 43.4 | 39.0 | 62.5 | 52.1 | 24.1 | 10.4 | 58.5 | 49.1 | .350 | 3.9 | 1.2 | 76 | 534 | - | - | - | 1.5 | 4 | 6 | 8 | 13 | - | 5.4 | 33 | 7.27 |
| Liverpool | - | - | - | 29.568 | 73.9 | 43.3 | 39.0 | 62.5 | 52.1 | 24.1 | 10.4 | 58.5 | 49.1 | .350 | 3.9 | 1.2 | 76 | 533 | - | - | - | 6 | 5 | 7 | 12 | - | 7.1 | 33 | 8.77 | |
| Halifax | - | - | - | 29.619 | 78.2 | 37.0 | 41.2 | 63.0 | 47.6 | 33.4 | 13.4 | 53.9 | 47.4 | .334 | 3.7 | 1.0 | 78 | 530 | 97.6 | 45.3 | - | 6 | 5 | 8 | 12 | - | 7.1 | 42 | 7.40 | |
| Halifax Pub. Lib. | - | - | - | 29.618 | 80.3 | 39.0 | 41.3 | 60.7 | 49.1 | 31.7 | 11.5 | 53.7 | 46.9 | .312 | 3.5 | 1.1 | 78 | 538 | 99.0 | 45.7 | 0.7 | 6 | 6 | 8 | 13 | - | 7.3 | 43 | 7.73 | |
| Hull | - | - | - | 29.584 | 81.0 | 39.0 | 40.3 | 64.3 | 48.1 | 33.0 | 10.2 | 55.7 | 48.1 | .344 | 3.9 | 1.1 | 78 | 537 | 106.9 | 44.1 | 1.4 | 6 | 5 | 8 | 11 | - | 6.5 | 35 | 5.86 | |
| Leeds | - | - | - | 29.527 | 80.0 | 42.0 | 38.0 | 65.8 | 51.0 | 29.7 | 14.7 | 56.4 | 48.2 | .338 | 3.8 | 1.3 | 77 | 534 | - | - | - | 1.4 | 4 | 6 | 8 | 13 | - | 7.2 | 44 | 6.01 |
| Stonyhurst | - | - | - | 29.569 | 78.0 | 36.0 | 42.0 | 64.1 | 47.0 | 37.0 | 16.2 | 54.9 | 48.6 | .345 | 3.9 | 1.0 | 80 | 531 | 116.3 | 44.0 | 0.4 | 8 | 5 | 8 | 12 | - | 7.6 | 49 | 14.45 | |
| Carlisle | - | - | - | 29.482 | 80.6 | 37.0 | 43.6 | 65.3 | 53.8 | 34.3 | 13.5 | 57.5 | 52.2 | .391 | 4.4 | 0.9 | 82 | 532 | 95.5 | 45.1 | 1.0 | 4 | 6 | 5 | 15 | 2.5 | 6.8 | 52 | 14.82 | |

The highest temperatures of the air were at Cambridge, 84°·9; at the Royal Observatory, 84°·3; and at Whitechurch, 84°·0.

The lowest temperatures of the air were at Barnet, 25°·8; at Salisbury, 27°·0; and at Truro, 30°·0.

The greatest ranges of temperature were at Barnet, 55°·7; at Salisbury, 55°·0; and at Whitechurch, 53°·0.

The least ranges of temperature were at Llandudno, 30°·0; at Liverpool, 30°·6; and at Guernsey, 36°·4.

The greatest number of days of rain were at Llandudno and Liverpool, 53; and at Carlisle, 52.

The least number of days of rain were at Barnet, 29; at Royston, 32; and at Cambridge, 33.

The greatest falls of rain were at Carlisle, 14·82 inches; at Stonyhurst, 14·45 inches; and at Bath, 13·11 inches.

The least falls of rain were at Guernsey, 5·45 inches; at Hull, 5·86 inches; and at Leeds, 6·01 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer | Mean of all Lowest Read- ings of the Thermometer. | Mean Range of Tempe- rature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days it fell. | RAIN. Mean Amount col- lected. |
|---|---|--|--|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|-----|-----------------------|-----------------------|----------------------------|--------------------------------------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| | | | | | | | | | | | | | | | | | | | ins. | ° | ° | ° | | | | |
| Guernsey | 29.579 | 77.4 | 41.0 | 36.4 | 68.6 | 54.0 | 30.8 | 14.0 | 59.8 | 55.2 | .437 | 4.9 | 0.9 | 86 | 532 | 118.2 | 30.6 | 0.8 | 8 | 5 | 6 | 11 | 2.5 | 5.2 | 38 | 5.45 |
| Between the latitudes 50° and 55° | 29.587 | 79.4 | 35.9 | 43.5 | 67.5 | 52.2 | 34.2 | 15.2 | 59.0 | 52.7 | .400 | 4.4 | 1.1 | 80 | 531 | 115.9 | 48.5 | 1.1 | 6 | 5 | 8 | 11 | 4.6 | 5.3 | 42 | 7.04 |
| | 29.594 | 81.0 | 33.8 | 47.2 | 67.8 | 50.0 | 38.0 | 17.8 | 58.0 | 51.3 | .380 | 4.3 | 1.2 | 79 | 532 | 112.1 | 45.3 | 1.2 | 4 | 9 | 12 | 3 | 4 | 38 | 8.10 | |
| | 29.601 | 82.6 | 31.8 | 45.8 | 65.8 | 49.6 | 36.6 | 16.2 | 56.5 | 49.7 | .339 | 4.0 | 1.1 | 78 | 533 | 115.7 | 47.8 | 1.2 | 7 | 5 | 7 | 12 | 0.1 | 6.9 | 39 | 7.99 |
| | 29.588 | 77.8 | 40.6 | 37.2 | 63.1 | 50.0 | 30.2 | 13.1 | 55.8 | 48.3 | .338 | 3.8 | 1.1 | 78 | 533 | 101.0 | 45.9 | 1.2 | 5 | 6 | 8 | 12 | — | 4.8 | 45 | 7.17 |
| Mean for the Year 1850 " 1860 " 1871 " 1892 | 29.528 | 70.3 | 36.5 | 42.8 | 64.7 | 50.4 | 35.7 | 14.3 | 56.2 | 50.4 | .368 | 4.1 | 1.0 | 81 | 531 | 103.9 | 44.6 | 0.7 | 5 | 6 | 14 | 2.7 | 5.0 | 50 | 14.69 | |
| | 29.551 | 80.9 | 39.3 | 43.6 | 66.5 | 50.4 | 37.9 | 16.1 | 57.8 | 51.5 | .379 | 4.3 | 1.0 | 81 | 533 | 111.4 | 47.6 | 0.9 | 7 | 5 | 8 | 11 | 1.6 | 6.2 | 43 | 8.19 |
| | 29.567 | 77.6 | 35.2 | 39.4 | 66.8 | 51.4 | 34.6 | 15.4 | 58.1 | 51.7 | .386 | 4.3 | 1.1 | 80 | 532 | 116.2 | 47.0 | 1.0 | 5 | 4 | 7 | 13 | 1.6 | 6.3 | 45 | 8.65 |
| | 29.497 | 80.5 | 41.9 | 38.6 | 66.6 | 51.7 | 32.8 | 14.9 | 58.0 | 51.9 | .385 | 4.3 | 1.1 | 80 | 531 | 112.4 | 47.3 | 1.1 | 5 | 3 | 7 | 13 | 1.7 | 6.3 | 53 | 10.58 |
| | 29.579 | 80.0 | 36.7 | 43.3 | 65.8 | 50.4 | 34.9 | 15.3 | 57.0 | 50.5 | .369 | 4.1 | 1.1 | 79 | 532 | 110.1 | 46.1 | 1.1 | 6 | 5 | 8 | 12 | 2.4 | 6.3 | 43 | 9.09 |

METEOROLOGY OF ENGLAND,

DURING THE QUARTER ENDING DECEMBER 31, 1892.

REMARKS ON THE WEATHER DURING THE QUARTER ENDING DECEMBER 31ST, 1892.

By JAMES GLAISHER, Esq., F.R.S., &c.

The weather in October was very cold till towards the end, when there were three or four warm days, with frequent rain throughout the month. The temperature of the air was constantly below the average to the 27th; on some days the amount exceeded 10°. The atmospheric pressure was below the average on every day excepting the 11th, 12th, and 17th to 20th days. The fall of rain was above the average. In Yorkshire the fall was especially heavy on the 13th, 14th, 15th, and 16th. There were great floods in Yorkshire, causing considerable loss to farmers, and the flooding of many hundreds of houses in many of the towns in Yorkshire.

The weather in November was mild and damp, with very little sunshine. The temperature of the air was generally above the average, excepting from the 18th to the 25th. The atmospheric pressure was below its average till the 6th, and from the 12th to the 16th, and above on other days. Rain fell frequently in small quantities.

The weather in December was dry, cold, and foggy. The temperature of the air was mild, and above the average from the 15th to the 21st. Till the 14th the temperature was below the average, and particularly so from the 4th to the 10th. On the 22nd frost set in with severity, and continued to the end of the month, the average deficiency of temperature for these 10 days being 9°·1. The lowest temperature in the month occurred on the 27th or 28th. At Guernsey the lowest temperature was 31°·9; at stations south of latitude 51° it varied from 20° at Truro to 24° at Eastbourne; between 51° and 52° it varied from 11° at Salisbury and Barnet to 19° at Barnstaple; between 52° and 53° it varied from 10° at Rugby to 23° at Lowestoft; between 53° and 54° it varied from 14°·5 at Halifax to 25° at Llandudno. At Carlisle Mr. Cartmel registered -1°. At Stonyhurst the lowest was 14°·3; at Carlisle the minimum on grass was -9°.

The atmospheric pressure was generally below the average from the 3rd to the 13th, and from the 29th to the 31st, and generally above on all other days.

The rainfall was below the average, and very little fell during the latter half of the month.

About London the mean daily temperature of the air was below its average from October 1st to the 27th, being particularly so on the 18th, 19th, 24th, and 26th, when it was as much as 10°·6, 11°·3, 11°·3, and 12°·1 respectively below, and on several other days it was as much as 8° and 9° below; the mean daily deficiency for the 27 days being 7°; from October 2

28 On the Weather during the Quarter ending December 31st, 1892.

than in 1889; and there were only nine instances of as low or lower mean high day temperature back to the year 1841, viz. :—

| | | |
|-------------------|-------------------|-------------------|
| 1890 it was 33° 3 | 1874 it was 37° 9 | 1853 it was 38° 8 |
| 1879 " 37° 4 | 1870 " 38° 0 | 1846 " 37° 2 |
| 1878 " 37° 4 | 1860 " 40° 6 | 1844 " 36° 8 |

The mean low night temperature for October was 39° 1, being 4° 1 below the average of 51 years; it was 4° 9, 2° 7, and 3° 1 lower than in 1891, 1890, and 1889 respectively; and there were only three instances of as low or lower low night temperature back to the year 1841, viz. :—

| | | |
|-------------------|-------------------|-------------------|
| 1888 it was 37° 7 | 1887 it was 38° 3 | 1881 it was 39° 0 |
|-------------------|-------------------|-------------------|

The mean low night temperature for November was 39° 5, being 1° 9 above the average of 51 years; it was 1° 8, 2° 3, and 0° 7 higher than in 1891, 1890, and 1889 respectively.

The mean low night temperature for December was 32° 0, being 2° 8 below the average of 51 years; it was 3° 4 lower than in 1891, 6° 8 higher than in 1890, and 0° 5 lower than in 1889.

| 1892. MONTHS. | Temperature of | | | | | | | | Elastic Force of Vapour. | Weight of Vapour in a Cubic Foot of Air. | | |
|------------------|----------------|--|--------------|--|------------|--|----------------------|--|-----------------------------|---|------|---------------|
| | Air. | | Evaporation. | | Dew Point. | | Air— Daily Range. | | | | | |
| | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | | | | |
| | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | | | | |
| Oct. | 45° 4 | -4° 1 | 43° 8 | -4° 0 | 41° 8 | -3° 9 | 14° 0 | -0° 6 | 265 | -° 042 | 3° 0 | grs. -0° 8 |
| Nov. | 44° 9 | +2° 5 | 43° 9 | +2° 4 | 42° 7 | +3° 2 | 10° 5 | -0° 9 | 274 | +° 028 | 3° 2 | grs. +0° 4 |
| Dec. | 36° 7 | -2° 3 | 35° 3 | -2° 9 | 32° 9 | -3° 4 | 8° 8 | -0° 6 | 187 | -° 029 | 2° 2 | grs. -0° 4 |
| Means | 42° 3 | -1° 3 | 41° 0 | -1° 5 | 39° 1 | -1° 4 | 11° 1 | -0° 7 | 242 | -° 014 | 2° 8 | -0° 3 |

| 1892 MONTHS. | Degree of Humidity. | | Reading of Barometer. | | Weight of a Cubic Foot of Air. | | Rain. | | Daily Horizontal movement of the Air. | Reading of Thermometer on Grass. | | | | |
|-----------------|------------------------|--|-----------------------------|--|--------------------------------------|--|--------------|--|---|----------------------------------|---------------------------------|---------------|---|--|
| | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Mean. | Diff. from ave- rage of 51 years. | Amount. | Diff. from ave- rage of 77 years. | | Number of Nights it was | | | Low- est Read- ing at Night. | High- est Read- ing at Night. |
| | | | | | | | | | | Number of Nights it was | | | | |
| | | | | | | | | | | At or below 30°. | Be- tween 30° and 40°. | Above 40°. | | |
| Oct. | 87 | -2 | 29° 545 | -1° 69 | 542 | +2 | 3° 88 | +1° 12 | 11 | 17 | 3 | 17° 4 | 50° 0 | |
| Nov. | 92 | +1 | 29° 881 | +1° 42 | 548 | 0 | 2° 21 | -0° 14 | 5 | 20 | 5 | 28° 9 | 49° 7 | |
| Dec. | 89 | 0 | 29° 816 | +° 023 | 557 | +4 | 1° 14 | -0° 83 | 20 | 7 | 4 | 15° 0 | 45° 2 | |
| Means | 89 | 0 | 29° 747 | -° 001 | 549 | +2 | Sum 7° 23 | Sum +0° 15 | Mean 248 | Sum 36 | Sum 44 | Sum 12 | Lowest 15° 0 | Highest 50° 0 |

NOTE.—In reading this table it will be borne in mind that the plus sign (+) signifies above the average, and the minus sign (-) signifies below the average.

Average duration of the different directions of the wind referred to eight points of the compass, and duration in days of each direction in each month in the quarter, were as follows :—

| Direction of Wind. | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | |
|-----------------------|----------|----------|-------------------------------|-----------|----------|-------------------------------|-----------|----------|-------------------------------|
| | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. | 1892. | Average. | Departure from Average. |
| | d. | d. | d. | d. | d. | d. | d. | d. | d. |
| N.W. | 3 | 2½ | + ½ | 1 | 2½ | - 1½ | 6 | 2½ | + 3½ |
| N. | 4 | 3½ | + ½ | 3 | 4½ | - 1½ | 1 | 3 | - 2 |
| N.E. | 5 | 3 | + 2 | 8 | 4 | + 4 | 3 | 2½ | + ½ |
| E. | 2 | 1½ | + ½ | 4 | 2½ | + 1½ | 4 | 2 | + 2 |
| S.E. | 3 | 2 | + 1 | 3 | 2½ | + ½ | 2 | 2 | 0 |
| S. | 2 | 4 | - 2 | 4 | 4 | 0 | 3 | 3½ | - ½ |
| S.W. | 8 | 10 | - 2 | 5 | 8½ | - 3½ | 8 | 11 | - 3 |
| W. | 4 | 4½ | - ½ | 2 | 2½ | - ½ | 4 | 4½ | - ½ |

The sign (+) denotes excesses over averages; the numbers affected by this sign in October are N.E., S.E., N.W., N., and E.; in November are N.E., E., and S.E.; and in December are N.W., E., and N.E.

The sign (-) denotes deficiencies below averages; the numbers affected by this sign in October are S., S.W., and W.; in November are S.W., N.W., N., and W.; and in December are S.W., N., S., and W.

The mean daily range for October was 14° 0, being 0° 6 smaller than the average; in November it was 10° 5, being 0° 9 smaller than the average; and in December it was 8° 8, being 0° 6 smaller than the average.

The mean temperature of the air for October was 10° 9 colder than in September; in November it was 0° 5 colder than in October; and in December it was 8° 2 colder than in November.

(From the preceding 51 years' observations the decrease from September to October is 7° 3; from October to November is 6° 3; and from November to December 3° 9.)

From September to October there is a decrease of 0° 3 at stations south of 51°; between 51° and 53° of 1°; and at stations north of this parallel of 8° 8.

From October to November there was an increase of 0° 1 at stations south of 51°; a decrease of 0° 3 between 51° and 52°; and at stations north of this parallel a decrease of 0° 9.

From November to December there was a decrease of 6° 2 at stations south of 51°; between 51° and 53° of 8° 3; and at stations north of this parallel of 7° 6.

The mean reading of the barometer, at the height of 159 ft. above the sea level, for the month of October was 29° 545 ins., being 0° 169 in. below the average of 51 years; it was 0° 063 in., and 0° 376 in. lower than in 1891 and 1890 respectively; and 0° 024 in. higher than in 1889; and there were only eight instances of as low or lower reading back to the year 1841, viz. :—

| | | |
|--------------------------|--------------------------|--------------------------|
| 1889 it was 29° 521 ins. | 1865 it was 29° 440 ins. | 1846 it was 29° 516 ins. |
| 1885 " 29° 530 " | 1859 " 29° 523 " | 1841 " 29° 436 " |
| 1872 " 29° 533 " | 1855 " 29° 527 " | |

The mean reading of the barometer for November was 29° 881 ins., being 0° 142 in. above the average of 51 years; it was 0° 211 in. and 0° 180 in. higher than in 1891 and 1890 respectively; and 0° 162 in. lower than in 1889; and there were only eight instances of as high or higher reading back to the year 1841, viz. :—

| | | |
|--------------------------|--------------------------|--------------------------|
| 1889 it was 30° 043 ins. | 1867 it was 30° 119 ins. | 1853 it was 29° 941 ins. |
| 1884 " 29° 978 " | 1857 " 29° 942 " | 1847 " 29° 905 " |
| 1879 " 30° 034 " | 1856 " 29° 902 " | |

The mean reading of the barometer for December was 29° 816 ins., being 0° 023 in. above the average of 51 years; it was 0° 012 in. higher than in 1891, and 0° 035 in., and 0° 194 in., lower than in 1890 and 1889 respectively.

From September to October there was a decrease of atmospheric pressure of 0° 27 in. at stations south of 53°; and at stations north of this parallel of 0° 20 in.

From October to November there was an increase of 0° 28 in. at stations south of 51°; between 51° and 53° of 0° 32 in.; and at stations north of this parallel of 0° 28 in.

From November to December there was a decrease of 0° 04 in. at stations south of 51°; between 51° and 52° of 0° 06 in.; between 52° and 53° of 0° 09 in.; and at stations north of this parallel of 0° 05 in.

About London the atmospheric pressure was generally below its average till October 26th, the mean daily deficiency being 0° 22 in.; from October 17th to the 20th it was above, the mean daily excess being 0° 23 in.; from October 21st to November 6th it was generally below, the mean daily deficiency being 0° 22 in.; from November 7th to the 11th it was above, the mean daily excess being 0° 20 in.; from November 12th to the 16th it was below, the mean daily deficiency being 0° 13 in.; from November 17th to December 2nd it was generally above, being particularly so on the 27th and 28th of November when it was as much as 0° 52 in. and 0° 53 in. respectively above, the mean daily excess for the 16 days ending December 2nd being 0° 24 in.; from December 3rd to the 13th it was generally below, being particularly so on the 11th, when it was as much as 0° 53 in. below, the mean daily deficiency being 0° 19 in.; from December 14th to the 28th it was generally above, the mean daily excess being 0° 10 in.; and from December 29th to the 31st it was below its average, the mean daily deficiency being 0° 21 in.

Thunderstorms occurred in October on the 1st at Halifax; on the 2nd at Guernsey; on the 3rd at Llandudno; on the 4th at Lowestoft; and on the 12th, 13th, and 14th at Guernsey.

No thunderstorms were reported in either November or December.

Thunder was heard but lightning was not seen in October on the 4th at Llandudno; on the 5th at Liverpool and Carlisle; on the 8th at Royston; and on the 20th at Carlisle.

No thunder was reported to have been heard in either November or December.

Lightning was seen but thunder was not heard in October on the 1st at Torquay, Bath, Oxford, and Hereford; on the 2nd at Torquay and Hereford; on the 3rd at Hereford, Liverpool, Halifax, Stonyhurst, and Carlisle; on the 4th at Hereford; on the 13th, 14th, and 15th at Torquay; and on the 21st at Liverpool.

In November on the 15th at Torquay.

Solar halos were seen in October on the 3rd at Oxford; on the 4th at Torquay and Oxford; on the 8th and 15th at Oxford; on the 24th at Torquay; on the 26th at Torquay, Oxford, and Halifax; on the 30th at Torquay and Oxford; and on the 31st at Torquay.

In November on the 1st at Halifax; on the 5th at Torquay and Oxford; on the 19th at Oxford; on the 20th at Torquay; on the 21st at Oxford; and on the 25th at Halifax.

In December on the 2nd at Torquay, Oxford, and Halifax; on the 5th and 8th at Halifax; on the 10th at Torquay, Oxford, and Halifax; on the 11th at Oxford; on the 24th at Torquay and Oxford; and on the 29th and 30th at Halifax.

Lunar halos were seen in October on the 1st and 3rd at Torquay; on the 6th at Oxford; on 7th and 29th at Halifax; on the 30th at Halifax and Stonyhurst; and on the 31st at Halifax.

In November on the 1st at Cambridge and Carlisle; on the 2nd at Torquay, Liverpool, and Halifax; on the 3rd at Oxford, Liverpool, and Halifax; on the 4th at Oxford, Hereford, and Halifax; on the 5th at Oxford and Halifax; on the 6th at Torquay and Bath; on the 7th at Liverpool; on the 9th at Torquay; on the 27th at Cambridge; on the 28th at Guernsey; and on the 30th at Oxford.

In December on the 1st at Cambridge and Halifax; on the 2nd at Oxford and Halifax; on the 3rd at Torquay and Halifax; on the 4th at Torquay; on the 5th and 6th at Halifax; on the 24th at Oxford; on the 28th at Liverpool, Halifax, and Stonyhurst; and on the 30th at Stonyhurst.

Snow fell in October on the 23rd at Hereford; on the 24th at Halifax, Bradford, and Leeds; and on the 25th at Hereford.

In November on the 29th at Carlisle; and on the 30th at Halifax.

In December on the 1st at Halifax; on the 2nd at Carlisle; on the 3rd at Hereford, Llandudno, and Carlisle; on the 4th at Torquay, Bath, Oxford, Royston, Hereford, Cambridge, Rugby, Wolverhampton, and in the northern counties; on the 5th it was a general fall all over the country; on the 6th at Eastbourne, Bath, Blackheath, Royal Observatory, Barnet, Royston, Hereford, Rugby, and Llandudno; on the 7th at Bath, Royston, Cambridge, Lowestoft, and Carlisle; on the 8th at Eastbourne, Bath, Oxford, Cambridge, Rugby, Somerleyton, Halifax, and Stonyhurst; on the 9th at Whitechurch, Cambridge, and Halifax; on the 10th at Torquay, Bath, Blackheath, Royal Observatory, Royston, Cambridge, Rugby, Halifax, and Carlisle; on the 13th at Royston; on the 23rd at Halifax; on the 25th at Guernsey; on the 30th at Royston; and on the 31st at Blackheath, Royal Observatory, Oxford, Lowestoft, Somerleyton, and Halifax.

Hail fell in October on the 1st at Truro and Rugby; on the 2nd at Truro; on the 5th at Hereford, Llandudno, and Hull; on the 8th at Liverpool; on the 9th at Royston; on the 10th at Liverpool; on the 15th at Truro; on the 17th at Royston and Cambridge; on the 18th at Royston; on the 21st at Truro, Salisbury, Bath, and Liverpool; and on the 22nd at Torquay and Liverpool.

In November on the 29th at Liverpool, Halifax, Stonyhurst, and Carlisle; and on the 30th at Liverpool, Halifax, and Stonyhurst.

In December on the 2nd at Lowestoft; on the 3rd at Bath, Liverpool, Halifax, and Stonyhurst; on the 4th at Guernsey, Truro, Torquay, Liverpool, and Stonyhurst; on the 5th at Guernsey, Truro, Torquay, and Liverpool; on the 6th at Guernsey and Truro; on the 7th at Truro; and on the 11th at Halifax.

Fog prevailed in October on the 1st at Whitechurch and Royston; on the 5th at Rugby; on the 6th at Blackheath, Royal Observatory, and Cambridge; on the 12th at Blackheath and Royal Observatory; on the 15th at Bath, Whitechurch, Blackheath, Royal Observatory, Oxford, Royston, Cambridge and Rugby; on the 19th at Whitechurch, Blackheath, Royal Observatory, Rugby, and Carlisle; on the 26th at Bath, Whitechurch, Blackheath, Royal Observatory, and Rugby; on the 28th at Torquay; on the 30th at Bath, Whitechurch, Oxford, Rugby, and Hull; and on the 31st at Carlisle.

In November on the 1st at Bath, Rugby, Wolverhampton, Liverpool, and Leeds; on the 2nd at Torquay, Whitechurch, Blackheath, Royal Observatory, Oxford, Cambridge, Rugby, Wolverhampton, Bradford, and Leeds; on the 5th at Cambridge, Lowestoft, and Hull; on the 6th at Lowestoft, Somerleyton, Hull, and Leeds; on the 7th at Whitechurch, and in the midland and northern counties; on the 8th at Whitechurch, Blackheath, Royal Observatory, and in the midland counties; on the 9th at Torquay, Bath, Oxford, Cambridge, and Rugby; on the 10th at Salisbury, Whitechurch, Oxford, Royston, Cambridge, Rugby, Stonyhurst, and Carlisle; on the 11th and 12th at Torquay, Osborne, Salisbury, and in the midland and northern counties; on the 13th at Somerleyton and Hull; on the 16th at Bath, Wolverhampton, Liverpool, and Carlisle; on the 17th at Torquay, Bath, Cambridge, Rugby, Wolverhampton, Liverpool, Halifax, and Leeds; on the 18th at Bath, Blackheath, Royal Observatory, and in the midland and northern counties; on the 19th at Whitechurch, Cambridge, Wolverhampton, Halifax, Hull, and Bradford; on the 20th at Salisbury and in the midland and northern counties; on the 21st and 22nd it was general in the midland and northern counties; on the 23rd at Torquay, Bath, and Halifax; on the 24th at Truro, Torquay, Bath, Rugby, Wolverhampton, Liverpool, and Halifax; and on the 25th and 26th at Torquay and Bath.

In December on the 2nd at Rugby, Wolverhampton, and Liverpool; on the 3rd at Torquay, Bath, Whitechurch, Lowestoft, Wolverhampton, and Halifax; on the 4th at Wolverhampton; on the 5th at Rugby and Wolverhampton; on the 6th at Rugby; on the 8th at Rugby, Wolverhampton, Halifax, and Stonyhurst; on the 13th at Bath; on the 14th at Bath and Wolverhampton; on the 15th at Lowestoft and Stonyhurst; on the 16th at Bath, Whitechurch, Royston, Cambridge, Hull, and Stonyhurst; on the 18th and 19th at Bath; on the 20th at Torquay, Whitechurch, Royston, and Halifax; on the 21st at Eastbourne, Royston, Cambridge, Lowestoft, Halifax, Hull, Stonyhurst, and Carlisle; on the 22nd at Bath, Whitechurch, Blackheath, Royal Observatory, Oxford, Royston, Cambridge, Rugby, Halifax, Hull, Bradford, and Stonyhurst; on the 25th and 26th at Oxford and Halifax; on the 27th at Bath, Oxford, Cambridge, Rugby, Lowestoft, Somerleyton, Halifax, and Bradford; on the 28th at Torquay, Osborne, Bath, Whitechurch, Blackheath, Royal Observatory, Oxford, Cambridge, Rugby, Lowestoft, Somerleyton, and Bradford; on the 29th at Bath, Blackheath, Royal Observatory, Oxford, Royston, Wolverhampton, Halifax, and Bradford; on the 30th at Whitechurch, Blackheath, Royal Observatory, Oxford, Royston, Cambridge, Somerleyton, Wolverhampton, Halifax, and Bradford; and on the 31st at Royston and Wolverhampton.

MONTHLY-METEOROLOGICAL TABLE FOR THE QUARTER ENDING DECEMBER 31st, 1892.

The Observations have been reduced to Mean values by Glaisher's Barometrical and Diurnal Range Tables, and the Hygrometrical results have been deduced from the seventh edition of his Hygrometrical Tables.

| Year 1892. | Month. | Names of Stations and Observers. | Height of Station Above Sea Level. | Pressure of Air in Month. | | | Temperature of Air in Month. | | | | Mean Temperature. | | Vapour. | | Mean Reading of Thermometer. | | Wind. | | Mean Amount of | | Rain. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------|----------------------------------|------------------------------------|---------------------------|-------|--------|------------------------------|----------|--------|---------|-------------------|--------|---------|----------|------------------------------|-------|----------------------|-------------------------------------|-----------------------------|-------------------------------------|-------|-------------------------|-------------------|---------------------|------------|--------|------------------------|----------------|-------------------------|-------------------|----------------|---------------|--------------|------|------------|----------------|-------------------------|-------|-------------------------|-------------------|---------------------|------------|--------|------------------------|----------------|-------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | Range. | Mean. | Range. | Lowest. | Highest. | Range. | Lowest. | Highest. | Range. | Lowest. | Highest. | Range. | Mean. | Short of Saturation. | Mean Weight of a cubic foot of Air. | Mean Direction of Humidity. | Mean Weight of a cubic foot of Air. | | Maximum in Kays of Sun. | Minimum on Grass. | Estimated Strength. | Direction. | Force. | Relative Proportion of | Mean Amount of | Number of Days it fell. | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | O'all Highest. | O'all Lowest. | Daily Range. | Air. | Dew Point. | Plastic Force. | In a cubic foot of Air. | Mean. | Maximum in Kays of Sun. | Minimum on Grass. | Estimated Strength. | Direction. | Force. | Relative Proportion of | Mean Amount of | Number of Days it fell. | Amount collected. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUERNSEY. | Oct. | 20-44. | 574 | 59.8 | 54.8 | 55.0 | 55.6 | 46.1 | 9.5 | 50.3 | 43.9 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |

| NAME OF STATIONS AND OBSERVERS | Height of Station Above Sea Level. | Year 1892. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Mean Temperature. | | Vapour. | | Mean Dew-Point. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|--|------------------------------------|------------|--------|----------------------------------|----------|------------------------------|----------|-------------------|----------|---------|----------|-----------------|----------|------------------------------|----------|------------|--------|---------|--------|
| | | Month. | Mean. | Range. | | Range. | | Range. | | Range. | | Range. | | Range. | | Range. | | Range. | |
| | | | | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Direction. | Force. | Amount. | Days. |
| CAMDEN SQUARE (London). G. F. MET. SOC. | 123 | Oct. | 29.590 | 29.582 | 29.598 | 29.582 | 29.598 | 29.582 | 29.598 | 29.582 | 29.598 | 29.582 | 29.598 | 29.582 | 29.598 | 29.582 | 29.598 | 29.582 | 29.598 |
| TOTTENHAM. J. E. MET. SOC. | 47 | Oct. | 29.600 | 29.592 | 29.608 | 29.592 | 29.608 | 29.592 | 29.608 | 29.592 | 29.608 | 29.592 | 29.608 | 29.592 | 29.608 | 29.592 | 29.608 | 29.592 | 29.608 |
| BARNET (Gas Works). T. H. MARTIN, Esq., C.E. | 212 | Oct. | 29.518 | 29.510 | 29.526 | 29.510 | 29.526 | 29.510 | 29.526 | 29.510 | 29.526 | 29.510 | 29.526 | 29.510 | 29.526 | 29.510 | 29.526 | 29.510 | 29.526 |
| OXFORD (The Observatory). E. J. STONE, Esq., M.A., F.R.S. | 213 | Oct. | 29.781 | 29.773 | 29.789 | 29.773 | 29.789 | 29.773 | 29.789 | 29.773 | 29.789 | 29.773 | 29.789 | 29.773 | 29.789 | 29.773 | 29.789 | 29.773 | 29.789 |
| ROYSTON (Hertfordshire). HALE WORTHAM, Esq., F.R.A.S., F. R. MET. SOC. | 201 | Oct. | 29.741 | 29.733 | 29.749 | 29.733 | 29.749 | 29.733 | 29.749 | 29.733 | 29.749 | 29.733 | 29.749 | 29.733 | 29.749 | 29.733 | 29.749 | 29.733 | 29.749 |
| HEREFORD (St. Michael's Priory). V. REV. CANON J. A. HOWLETT, M.A. | 191 | Oct. | 29.714 | 29.706 | 29.722 | 29.706 | 29.722 | 29.706 | 29.722 | 29.706 | 29.722 | 29.706 | 29.722 | 29.706 | 29.722 | 29.706 | 29.722 | 29.706 | 29.722 |
| CAMBRIDGE (Trinity College). J. W. L. GLAISHER, Esq., Sc. D., F.R.S. | 40 | Oct. | 29.688 | 29.680 | 29.696 | 29.680 | 29.696 | 29.680 | 29.696 | 29.680 | 29.696 | 29.680 | 29.696 | 29.680 | 29.696 | 29.680 | 29.696 | 29.680 | 29.696 |
| RUGBY (Warwickshire). Rev. W. TUCKWELL. | 269 | Oct. | 29.430 | 29.422 | 29.438 | 29.422 | 29.438 | 29.422 | 29.438 | 29.422 | 29.438 | 29.422 | 29.438 | 29.422 | 29.438 | 29.422 | 29.438 | 29.422 | 29.438 |
| LOWESTOFT (Suffolk). S. H. MILLER, Esq., F.R.A.S., F. R. MET. SOC. | 89 | Oct. | 29.570 | 29.562 | 29.578 | 29.562 | 29.578 | 29.562 | 29.578 | 29.562 | 29.578 | 29.562 | 29.578 | 29.562 | 29.578 | 29.562 | 29.578 | 29.562 | 29.578 |
| SOMERLEYTON (Suffolk). The Rev. G. J. STEWARD, F.R. Met. Soc. | 50 | Oct. | 29.632 | 29.624 | 29.640 | 29.624 | 29.640 | 29.624 | 29.640 | 29.624 | 29.640 | 29.624 | 29.640 | 29.624 | 29.640 | 29.624 | 29.640 | 29.624 | 29.640 |
| WOLVERHAMPTON (Staffordshire). W. E. MET. SOC. | 300 | Oct. | 29.182 | 29.174 | 29.190 | 29.174 | 29.190 | 29.174 | 29.190 | 29.174 | 29.190 | 29.174 | 29.190 | 29.174 | 29.190 | 29.174 | 29.190 | 29.174 | 29.190 |
| NOTTINGHAM (Nottingham). A. P. MET. SOC. | 215 | Oct. | 29.437 | 29.429 | 29.445 | 29.429 | 29.445 | 29.429 | 29.445 | 29.429 | 29.445 | 29.429 | 29.445 | 29.429 | 29.445 | 29.429 | 29.445 | 29.429 | 29.445 |
| LLANIDNO (Carnarvonshire). JAMES NICOL, Esq., M.D. | 100 | Oct. | 29.587 | 29.579 | 29.595 | 29.579 | 29.595 | 29.579 | 29.595 | 29.579 | 29.595 | 29.579 | 29.595 | 29.579 | 29.595 | 29.579 | 29.595 | 29.579 | 29.595 |
| LIVERPOOL, The Observatory. W. E. PLUMMER, Esq., F.R.A.S. | 197 | Oct. | 29.763 | 29.755 | 29.771 | 29.755 | 29.771 | 29.755 | 29.771 | 29.755 | 29.771 | 29.755 | 29.771 | 29.755 | 29.771 | 29.755 | 29.771 | 29.755 | 29.771 |

| NAME OF STATIONS AND OBSERVERS | Height of Station Above Sea Level. | Year 1892. | | Pressure of Atmosphere in Month. | | Temperature of Air in Month. | | Mean Temperature. | | Vapour. | | Mean Dew-Point. | | Mean Reading of Thermometer. | | Wind. | | Rain. | |
|---|------------------------------------|------------|--------|----------------------------------|----------|------------------------------|----------|-------------------|----------|---------|----------|-----------------|----------|------------------------------|----------|------------|--------|---------|--------|
| | | Month. | Mean. | Range. | | Range. | | Range. | | Range. | | Range. | | Range. | | Range. | | Range. | |
| | | | | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Lowest. | Highest. | Direction. | Force. | Amount. | Days. |
| HALIFAX, Bernerside Observatory (Yorkshire), MILLS, Assistant to J. E. CROOKLEY, Esq., F.R.A.S. | 630 | Oct. | 29.159 | 29.151 | 29.167 | 29.151 | 29.167 | 29.151 | 29.167 | 29.151 | 29.167 | 29.151 | 29.167 | 29.151 | 29.167 | 29.151 | 29.167 | 29.151 | 29.167 |
| HALIFAX, Public Library, J. WHITELEY, Esq. | 625 | Oct. | 29.253 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 |
| HULL (Yorkshire), The People's Park M. E. FEAR. | 6 | Oct. | 29.672 | 29.664 | 29.680 | 29.664 | 29.680 | 29.664 | 29.680 | 29.664 | 29.680 | 29.664 | 29.680 | 29.664 | 29.680 | 29.664 | 29.680 | 29.664 | 29.680 |
| BRAOFORD (Yorkshire). J. McLEOD, Esq., C.E. | 360 | Oct. | 29.253 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 | 29.245 | 29.261 |
| LEEDS (Yorkshire), The Philosophical Hall. EDGAR R. WAITE, Esq. | 137 | Oct. | 29.539 | 29.531 | 29.547 | 29.531 | 29.547 | 29.531 | 29.547 | 29.531 | 29.547 | 29.531 | 29.547 | 29.531 | 29.547 | 29.531 | 29.547 | 29.531 | 29.547 |
| STONY HURST (Lancashire). REV. W. SIDGWAY, Esq., F. R. MET. SOC., F.R.A.S. | 563 | Oct. | 29.192 | 29.184 | 29.199 | 29.184 | 29.199 | 29.184 | 29.199 | 29.184 | 29.199 | 29.184 | 29.199 | 29.184 | 29.199 | 29.184 | 29.199 | 29.184 | 29.199 |
| CARLISLE, Spital (Cumberland). 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 1892. | 114 | Oct. | 29.597 | 29.589 | 29.595 | 29.589 | 29.595 | 29.589 | 29.595 | 29.589 | 29.595 | 29.589 | 29.595 | 29.589 | 29.595 | 29.589 | 29.595 | 29.589 | 29.595 |

Total in Quarter.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

July.

June.

May.

April.

March.

February.

January.

December.

November.

October.

September.

August.

| NAMES OF STATIONS. | Mean Pressure of dry Air reduced to the level of the Sea. | Highest Reading of the Thermometer. | Lowest Reading of the Thermometer. | Range of Temperature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Maximum in Rays of Sun. | Mean Reading of Minimum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone. | Mean Amount of Cloud. | Number of Days on which it fell. | RAIN. |
|--------------------|---|-------------------------------------|------------------------------------|--------------------------------------|----------------------|---------------------|------------------------------------|----------------------------------|------------------------------|------------------------------------|-------------------------------|---|---|--------------------------|-------------------------------------|---|-----------------------------------|--------------------------|------------------------|----|----|-----|-----------------------|-----------------------|----------------------------------|-----------|
| | | | | | | | | | | | | | | | | | | | Relative Proportion of | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | |
| Guernsey | 29.697 | 59.8 | 31.9 | 27.9 | 51.5 | 43.9 | 33.1 | 8.6 | 48.0 | 41.8 | 267 | 3.1 | 0.7 | 79 | 542 | 81.1 | 34.4 | 1.3 | 7 | 6 | 9 | 9 | 2.3 | 7.0 | 69 | ins 14.41 |
| Truro | 29.636 | 61.0 | 20.0 | 41.0 | 53.4 | 38.8 | 34.3 | 14.5 | 43.9 | 42.1 | 268 | 3.1 | 0.5 | 86 | 546 | — | — | 1.6 | 10 | 8 | 6 | 7 | — | 5.4 | 60 | 11.33 |
| Torquay | 29.668 | 59.9 | 23.7 | 35.7 | 50.7 | 40.0 | 27.0 | 10.7 | 45.3 | 40.8 | 267 | 2.9 | 0.5 | 85 | 543 | 82.7 | 33.7 | 1.3 | 6 | 7 | 11 | 3.8 | 6.3 | 52 | 9.12 | |
| Eastbourne | 29.671 | 58.4 | 24.0 | 34.4 | 49.3 | 40.3 | 27.0 | 8.8 | 44.2 | 41.0 | 230 | 2.9 | 0.4 | 90 | 550 | 75.0 | 34.3 | 1.5 | 6 | 6 | 7 | 10 | — | 55 | 12.48 | |
| Osborne | 29.653 | 59.3 | 23.8 | 35.9 | 49.4 | 38.2 | 27.3 | 11.2 | 43.5 | 41.6 | 235 | 3.1 | 0.2 | 93 | 517 | 72.1 | 36.8 | 0.2 | 6 | 7 | 7 | 10 | — | 6.7 | 44 | 9.33 |
| Salisbury | 29.685 | 52.0 | 11.0 | 51.0 | 50.2 | 32.5 | 40.0 | 17.7 | 41.3 | 38.1 | 233 | 2.7 | 0.4 | 84 | 549 | 71.2 | 32.9 | 1.2 | 9 | 7 | 7 | 8 | — | 6.4 | 53 | 9.88 |
| Harnastaple | 29.661 | 50.5 | 19.0 | 40.5 | 50.6 | 40.1 | 31.2 | 10.5 | 45.8 | 39.7 | 232 | 3.0 | 0.7 | 82 | 547 | — | — | 1.0 | 5 | 8 | 8 | 10 | — | 5.5 | 46 | 8.02 |
| Bath | 29.649 | 58.5 | 16.3 | 42.2 | 48.9 | 39.1 | 30.2 | 10.8 | 41.3 | 38.5 | 234 | 2.7 | 0.3 | 90 | 511 | 77.4 | 32.7 | 1.1 | 8 | 5 | 7 | 11 | — | 5.7 | 52 | 8.87 |
| Whitechurch | 29.728 | 50.5 | 13.8 | 45.7 | 46.9 | 35.4 | 33.8 | 11.5 | 41.3 | 38.2 | 213 | 2.7 | 0.3 | 89 | 551 | 63.9 | — | 0.6 | 6 | 6 | 9 | 10 | — | 6.2 | 38 | 6.02 |
| Royal Observatory | 29.679 | 61.9 | 17.6 | 44.3 | 48.0 | 36.9 | 33.8 | 11.9 | 42.3 | 39.1 | 242 | 2.8 | 0.3 | 89 | 549 | 62.4 | 32.1 | 1.6 | 6 | 6 | 9 | 10 | 1.3 | 6.9 | 51 | 7.23 |
| Blackheath | 29.650 | 61.9 | 17.6 | 44.3 | 48.0 | 36.9 | 33.8 | 11.9 | 42.3 | 39.1 | 242 | 2.8 | 0.3 | 89 | 549 | 62.4 | 32.1 | 1.0 | 7 | 7 | 8 | 8 | — | 7.4 | 45 | 7.48 |
| Camden Square | 29.687 | 60.8 | 16.7 | 44.1 | 48.2 | 37.1 | 34.0 | 11.1 | 42.5 | 38.7 | 238 | 2.7 | 0.3 | 86 | 550 | 62.1 | 32.4 | 1.0 | 7 | 7 | 8 | 11 | — | 6.5 | 47 | 7.68 |
| Tottenham | 29.677 | 59.5 | 16.7 | 42.8 | 47.6 | 37.7 | 33.1 | 10.9 | 41.7 | 38.9 | 239 | 2.7 | 0.3 | 90 | 552 | — | — | 0.8 | 6 | 4 | 8 | 12 | — | 7.7 | 40 | 7.48 |
| Barnet | 29.719 | 60.1 | 11.0 | 40.1 | 48.0 | 33.6 | 34.8 | 14.4 | 41.1 | 37.5 | 227 | 2.6 | 0.4 | 87 | 530 | 62.0 | 27.3 | 0.3 | 8 | 6 | 8 | 10 | — | 6.3 | 38 | 7.26 |
| Oxford | 29.683 | 59.3 | 13.7 | 45.6 | 47.1 | 36.3 | 35.1 | 10.7 | 44.9 | 38.7 | 233 | 2.7 | 0.4 | 88 | 549 | 70.7 | 31.9 | 1.8 | 6 | 6 | 9 | 10 | 0.7 | 6.8 | 34 | 6.27 |
| Royston | 29.705 | 59.8 | 17.1 | 42.5 | 47.0 | 35.5 | 32.4 | 11.3 | 44.0 | 38.2 | 221 | 2.7 | 0.3 | 87 | 548 | — | — | 1.0 | 6 | 5 | 9 | 11 | — | 6.4 | 50 | 7.02 |
| Hereford | 29.686 | 57.4 | 12.1 | 45.5 | 47.1 | 34.1 | 36.8 | 13.0 | 40.3 | 37.6 | 220 | 2.5 | 0.4 | 87 | 548 | 77.4 | 23.7 | 1.6 | 6 | 5 | 9 | 11 | — | 6.9 | 51 | 5.26 |
| Cambridge | 29.633 | 61.4 | 16.0 | 45.4 | 46.9 | 33.5 | 34.5 | 10.4 | 41.6 | 39.5 | 215 | 2.8 | 0.3 | 92 | 551 | 87.3 | — | 1.1 | 7 | 5 | 8 | 10 | — | 7.0 | 47 | 7.9 |
| Rugby | 29.635 | 62.0 | 10.0 | 52.0 | 47.2 | 33.3 | 42.5 | 14.2 | 40.3 | 38.2 | 243 | 2.7 | 0.2 | 92 | 549 | — | — | 0.4 | 6 | 5 | 12 | 8 | — | 6.6 | 33 | 6.15 |
| Lowestoft | 29.634 | 58.2 | 23.0 | 35.2 | 48.2 | 38.0 | 30.8 | 10.2 | 43.1 | 39.4 | 244 | 2.8 | 0.5 | 87 | 549 | 72.1 | 34.9 | 2.2 | 7 | 5 | 6 | 13 | — | 7.2 | 48 | 10.35 |
| Somerleyton | 29.630 | 59.6 | 20.0 | 39.0 | 47.5 | 37.0 | 29.0 | 10.5 | 43.0 | 40.0 | 240 | 2.9 | 0.4 | 89 | 551 | — | — | 1.0 | 6 | 5 | 10 | 10 | — | 6.8 | 48 | 11.23 |
| Wolverhampton | 29.686 | 57.2 | 14.2 | 45.0 | 46.8 | 33.5 | 44.0 | 12.3 | 43.4 | 36.6 | 219 | 2.5 | 0.3 | 90 | 545 | — | — | 1.0 | 6 | 6 | 11 | 8 | — | 7.8 | 44 | 6.63 |
| Nottingham | 29.651 | 59.2 | 13.3 | 45.9 | 46.8 | 34.8 | 35.9 | 11.6 | 40.3 | 37.2 | 225 | 2.6 | 0.3 | 83 | 549 | 68.4 | 31.8 | 0.5 | 6 | 5 | 7 | 13 | 0.1 | 7.9 | 58 | 5.30 |
| Llandudno | 29.630 | 60.0 | 25.0 | 35.0 | 48.7 | 39.9 | 27.5 | 8.7 | 44.3 | 39.0 | 241 | 2.8 | 0.6 | 82 | 547 | — | — | 1.0 | 6 | 5 | 7 | 13 | — | 5.6 | 57 | 12.06 |
| Liverpool | 29.688 | 57.2 | 21.0 | 35.8 | 47.2 | 38.6 | 28.5 | 8.6 | 42.3 | 38.7 | 236 | 2.7 | 0.4 | 84 | 547 | — | — | 1.0 | 6 | 5 | 7 | 9 | — | 6.9 | 69 | 10.76 |
| Halifax | 29.697 | 60.0 | 14.5 | 45.5 | 45.2 | 34.6 | 35.9 | 10.6 | 40.3 | 36.5 | 216 | 2.5 | 0.3 | 83 | 545 | 63.7 | 33.2 | 0.6 | 5 | 8 | 7 | 11 | — | 6.3 | 50 | 11.18 |
| Halifax Pub. Lab. | 29.681 | 58.9 | 16.0 | 42.9 | 45.9 | 33.8 | 31.0 | 10.1 | 40.2 | 36.8 | 220 | 2.6 | 0.4 | 84 | 542 | 64.3 | 33.2 | 0.5 | 8 | 6 | 5 | 11 | — | 7.6 | 41 | 10.56 |
| Hull | 29.650 | 61.0 | 16.0 | 45.0 | 46.5 | 35.0 | 33.7 | 11.5 | 41.2 | 37.0 | 221 | 2.5 | 0.5 | 85 | 543 | 64.5 | 31.6 | 1.2 | 7 | 4 | 8 | 11 | — | 5.7 | 54 | 8.03 |
| Bradford | 29.673 | 58.2 | 19.0 | 39.2 | 46.3 | 37.9 | 33.9 | 10.0 | 41.5 | 34.7 | 220 | 2.5 | 0.5 | 83 | 545 | 64.9 | — | 0.2 | 7 | 4 | 7 | 12 | — | 7.2 | 46 | 9.42 |
| Leeds | 29.636 | 59.0 | 19.0 | 40.0 | 46.1 | 37.9 | 30.8 | 8.8 | 41.4 | 38.4 | 235 | 2.7 | 0.3 | 90 | 550 | — | — | 1.3 | 5 | 6 | 9 | 11 | — | 8.4 | 46 | 9.33 |
| Stonhurst | 29.638 | 60.6 | 14.3 | 46.3 | 47.0 | 33.4 | 35.0 | 13.5 | 40.2 | 33.0 | 214 | 2.5 | 0.5 | 85 | 547 | 75.4 | 29.0 | 0.4 | 9 | 7 | 4 | 11 | — | 6.8 | 57 | 13.06 |
| Carlisle | 29.616 | 60.2 | 11.0 | 61.2 | 46.9 | 35.8 | 40.7 | 11.2 | 41.2 | 36.5 | 215 | 2.4 | 0.5 | 83 | 550 | 57.8 | 23.4 | 0.8 | 6 | 5 | 9 | 11 | 2.6 | 6.9 | 52 | 7.20 |

The highest temperatures of the air were at Salisbury and Rugby, 62° 0; at the Royal Observatory, 61° 9.

The lowest temperatures of the air were at Carlisle, -1° 0; at Rugby, 10° 0; and at Salisbury and Barnet, 11° 0.

The greatest ranges of temperature were at Carlisle, 61° 2; at Rugby, 52° 0; and at Salisbury, 51° 0.

The least ranges of temperature were at Guernsey, 27° 9; at Eastbourne, 34° 4; and at Llandudno, 35° 0.

The greatest number of days of rain were at Guernsey, 69; at Truro, 69; and at Liverpool, 69.

The least number of days of rain were at Oxford, 34; and at Whitechurch and Barnet, 23.

The greatest falls of rain were at Guernsey, 14.41 inches; at Stonhurst, 13.06 inches; and at Eastbourne, 12.48 inches.

The least falls of rain were at Hereford 5.26 inches; at Nottingham, 5.30 inches; and at Whitechurch, 6.02 inches.

QUARTERLY METEOROLOGICAL TABLE for different PARALLELS of LATITUDE.

| PARALLELS OF LATITUDE, &c. | Mean Pressure of dry Air reduced to the level of the Sea. | Mean of all Highest Read- ings of the Thermometer | Mean of all Lowest Read- ings of the Thermometer | Mean Range of Temper- ature in the Quarter. | Mean of all Highest. | Mean of all Lowest. | Mean Monthly Range of Temperature. | Mean Daily Range of Temperature. | Mean Temperature of the Air. | Mean Temperature of the Dew Point. | Mean Elastic Force of Vapour. | Mean Weight of Vapour in a cubic foot of Air. | Mean additional Weight required for saturation. | Mean degree of Humidity. | Mean Weight of a cubic foot of Air. | Mean Reading of Max- imum in Rays of Sun. | Mean Reading of Min- imum on Grass. | Mean Estimated Strength. | WIND. | | | | Mean Amount of Ozone | Mean Amount of Cloud Number of Days it fell. | RAIN. Mean Amount col- lected. | | |
|-----------------------------------|---|--|---|--|----------------------|---------------------|---------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|----------------------------------|--|--|--------------------------|--|--|--|-----------------------------|-----------------------------|----|----|----|----------------------|--|--|-----------|------|
| | | | | | | | | | | | | | | | | | | | Relative Pro- portion of | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | N. | E. | S. | W. | | | | | |
| Guernsey | ins. 29.697 | 59.8 | 31.9 | 27.9 | 51.5 | 43.9 | 33.1 | 8.6 | 48.0 | 41.8 | 267 | 3.1 | 0.7 | 79 | 542 | 81.1 | 34.4 | 1.3 | 7 | 6 | 9 | 9 | 2.3 | 7.0 | 69 | ins 14.41 | |
| Between | 29.657 | 59.7 | 22.8 | 36.9 | 50.7 | 43.3 | 32.9 | 11.2 | 44.8 | 41.4 | 262 | 3.0 | 0.4 | 89 | 546 | 76.6 | 36.3 | 1.0 | 7 | 7 | 7 | 9 | 3.8 | 6.1 | 53 | 10.57 | |
| the | 29.665 | 60.0 | 21.5 | 34.4 | 49.4 | 41.3 | 34.2 | 12.1 | 42.9 | 38.5 | 237 | 2.7 | 0.4 | 88 | 549 | 66.1 | 31.8 | 1.0 | 7 | 6 | 8 | 9 | 1.0 | 6.5 | 44 | 7.66 | |
| latitudes | 29.680 | 59.6 | 16.1 | 43.5 | 46.9 | 35.2 | 33.7 | 11.5 | 44.1 | 38.9 | 234 | 2.7 | 0.3 | 90 | 549 | 75.9 | 33.1 | 1.0 | 6 | 5 | 9 | 10 | 0.1 | 7.2 | 50 | 7.83 | |
| 52° and 53° | 29.660 | 59.9 | 18.7 | 40.6 | 46.6 | 36.9 | 31.1 | 9.7 | 41.5 | 37.6 | 228 | 2.6 | 0.4 | 85 | 547 | 64.9 | 31.2 | 0.7 | 6 | 6 | 7 | 11 | — | 6.5 | 51 | 10.35 | |
| 53° and 54° | 29.637 | 60.4 | 6.7 | 51.8 | 47.0 | 34.6 | 37.8 | 12.5 | 40.7 | 36.3 | 215 | 2.5 | 0.5 | 84 | 548 | 60.6 | 28.7 | 0.6 | 8 | 6 | 6 | 11 | 2.6 | 6.9 | 54 | 10.18 | |
| 54° and 55° | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean for the | Year 1890 | 29.749 | 60.4 | 23.4 | 47.0 | 40.5 | 34.5 | 28.8 | 41.0 | 43.9 | 40.4 | 253 | 2.9 | 0.4 | 88 | 548 | 71.7 | 34.9 | 0.9 | 6 | 6 | 8 | 10 | 1.7 | 7.2 | 58 | 7.88 |
| quarter. | " 1890 | 29.761 | 67.6 | 15.9 | 32.3 | 47.7 | 36.2 | 35.7 | 41.4 | 41.9 | 37.5 | 235 | 2.7 | 0.5 | 85 | 550 | 67.3 | 31.1 | 1.0 | 7 | 7 | 7 | 10 | 1.7 | 7.6 | 46 | 7.13 |
| " 1891 | 29.504 | 63.7 | 19.2 | 44.5 | 50.2 | 38.8 | 35.0 | 11.4 | 44.4 | 40.3 | 253 | 2.9 | 0.5 | 86 | 544 | 72.2 | 34.2 | 1.1 | 5 | 6 | 10 | 10 | 3.6 | 6.4 | 58 | 13.22 | |
| 50° to 55° | " 1892 | 29.600 | 59.8 | 15.9 | 43.9 | 47.9 | 36.4 | 33.1 | 11.4 | 44.2 | 41.8 | 235 | 2.7 | 0.4 | 87 | 548 | 70.0 | 32.3 | 0.9 | 7 | 6 | 7 | 10 | 1.9 | 6.6 | 50 | 9.31 |