

# APPENDIX II.

## METEOROLOGICAL OBSERVATIONS AT STATIONS OF THE SECOND ORDER.

Besides the six stations returns from which were published for 1873, three additional stations are available for 1874, viz., Oscott College, near Birmingham; Leicester, and Chigwell Row, Essex. The complete list for 1874 is as follows:—

|                | Observer.                                     |
|----------------|---|
| Sandwich Manse | - Rev. C. Clouston, LL.D.                     |
| Seaham Harbour | - Mr. G. H. Aird.                             |
| Durham         | - J. J. Plummer, M.A., and Mr. G. A. Goldney. |
| Hull           | - Rev. W. P. Mackay, D.D.                     |
| Leicester      | - W. J. Harrison, F.G.S.                      |
| Oscott         | - Rev. S. Whitty.                             |
| Chigwell Row   | - J. Campbell, M.D., R.N.                     |
| Dublin         | - J. W. Moore, M.D.                           |
| Parsonstown    | - R. Copeland, Ph. D., and J. Dreyer, M.A.    |

As before, the actual observations at Parsonstown are published, and monthly summaries for the other stations. The hours for Parsonstown were 8 a.m., 4 p.m. and Midnight up to July 31, after which they were changed to 9 a.m. and 9 p.m.

The results are published on the forms proposed by the Permanent Committee of the Vienna Congress, as will be seen from p. 9 of their Report. The symbols proposed by the Vienna Congress have been employed in the "Remarks" column. They are as follows:—

|                               |   |   |   |   |                                    |   |   |   |   |                          |   |   |   |   |
|-------------------------------|---|---|---|---|------------------------------------|---|---|---|---|--------------------------|---|---|---|---|
| Rain                          | - | - | - | ● | Hoar-frost                         | - | - | - | ⊥ | Solar Corona             | - | - | - | ⊕ |
| Snow                          | - | - | - | ✱ | Dew                                | - | - | - | ⌒ | Solar Halo               | - | - | - | ⊙ |
| Thunderstorm                  | - | - | - | ⌚ | Silver-thaw ("Rauh-frost," "Duft") | - | - | - | ∨ | Lunar Corona             | - | - | - | ⊕ |
| Lightning without Thunder, or | - | - | - | < | Glazed Frost ("Glatteis")          | - | - | - | ~ | Lunar Halo               | - | - | - | ⊕ |
| Sheet Lightning               | - | - | - | - | Snow-drift                         | - | - | - | + | Rainbow                  | - | - | - | ☾ |
| Hail                          | - | - | - | ▲ | Ice crystals                       | - | - | - | ← | Aurora                   | - | - | - | ☾ |
| Soft-Hail ("Graupel")         | - | - | - | △ | Strong wind                        | - | - | - | ↘ | Dust Haze ("Höhenrauch") | - | - | - | ∞ |
| Mist, Fog                     | - | - | - | ☼ |                                    |   |   |   |   |                          |   |   |   |   |

In respect of their intensity, the individual phenomena are distinguished by the figures 0 and 2, which are used as exponents of the symbols, in such a way that 0 indicates very slight, 2 strong.

e.g. ●<sup>0</sup> slight Rain.  
●<sup>2</sup> heavy Rain.

The figures placed after the symbols indicate the period of occurrence of the respective phenomena, thus:—

- 1 indicates the 1st observing hour of the day.
- 2 " 2nd " "
- 3 " 3rd " "
- 1-3 " from the 1st to the 3rd observing hour.
- 1·3 " the 1st and the 3rd observing hours.
- "a" and "p" stand respectively for "a.m." and "p.m."

The explanation of this mode of expression will be found at p. 10 of the Report of the Permanent Committee above referred to.

The barometrical readings are reduced to 32° F. and to Mean Sea Level by the tables given in "Instructions in the Use of Meteorological Instruments," 1875.

The tables employed for Hygrometrical Reductions are Glaisher's, Fifth Edition, London, 1869.

The minimum and maximum temperatures are usually observed at the latest observing hour of the day, and entered to the day on which they are read; any exceptions will be found noted.

The rainfall is measured at the 1st observing hour, and entered to the preceding day.

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## SANDWICK

Long. 3° 18' W. Lat. 59° 2' N. Height above M. S. L. 94 ft.

| 1874.     | Mean Pressure. | Air Temperature. |        |       |           |      |           |               | Tension of Vapour. |               |        | Relative Humidity. |       |     |
|-----------|----------------|------------------|--------|-------|-----------|------|-----------|---------------|--------------------|---------------|--------|--------------------|-------|-----|
|           |                | Means of         |        |       | Abs. Min. |      | Abs. Max. |               |                    |               |        |                    |       |     |
|           |                | 9 a.m.           | 9 p.m. | Mean. | Min.      | Max. | Temp.     | Day.          | Temp.              | Day.          | 9 a.m. | 9 p.m.             | Mean. |     |
|           |                |                  |        |       |           |      |           |               |                    |               |        |                    |       |     |
| January   | ins.           | 40°6             | 41°2   | 40°9  | 36°6      | 45°6 | 29°6      | 13th          | 50°0               | 2nd           | ins.   | ins.               | ins.  | °/° |
| February  | 29°533         | 40°8             | 39°7   | 40°3  | 36°8      | 44°3 | 27°3      | 11th          | 50°0               | 20th and 21st | 22°5   | 22°0               | 22°3  | 89  |
| March     | 786            | 42°1             | 41°5   | 41°8  | 38°0      | 46°5 | 24°8      | 10th          | 55°5               | 4th           | 23°6   | 24°1               | 23°9  | 88  |
| April     | 853            | 45°1             | 43°3   | 44°2  | 39°7      | 49°1 | 35°4      | 4th           | 56°5               | 29th          | 25°9   | 24°6               | 25°3  | 86  |
| May       | 29°655         | 47°3             | 44°7   | 46°0  | 40°9      | 50°8 | 35°3      | 15th          | 58°8               | 31st          | 24°8   | 24°0               | 24°4  | 76  |
| June      | 30°004         | 52°7             | 50°5   | 51°6  | 46°2      | 56°2 | 40°2      | 11th and 12th | 64°0               | 2nd           | 31°7   | 30°4               | 31°1  | 80  |
| July      | 30°029         | 57°9             | 55°1   | 56°5  | 50°7      | 61°9 | 41°9      | 13th          | 72°5               | 18th          | 38°4   | 36°6               | 37°5  | 80  |
| August    | 29°842         | 54°4             | 52°3   | 53°4  | 48°2      | 58°3 | 40°8      | 24th          | 62°8               | 28th          | 34°3   | 34°1               | 34°2  | 81  |
| September | 719            | 52°0             | 50°8   | 51°4  | 48°7      | 56°1 | 39°0      | 7th           | 61°0               | 2nd           | 32°3   | 32°0               | 32°2  | 83  |
| October   | 652            | 47°5             | 46°4   | 47°0  | 43°3      | 51°1 | 40°0      | 5th           | 55°0               | 17th          | 27°6   | 26°4               | 27°0  | 85  |
| November  | 519            | 41°5             | 41°4   | 41°5  | 38°2      | 45°5 | 30°9      | 22nd          | 53°2               | 8th           | 22°8   | 22°7               | 22°8  | 88  |
| December  | 769            | 33°9             | 33°6   | 33°8  | 30°8      | 38°3 | 22°4      | 31st          | 49°8               | 4th           | 18°1   | 17°5               | 17°8  | 92  |
| Year      | 29°733         | 46°3             | 45°0   | 45°7  | —         | —    | —         | —             | —                  | —             | 27°0   | 26°4               | 26°8  | 85  |

\* Mean of 28 observations only.

## SEAHAM

Long. 1° 19' W. Lat. 54° 50' N. Height above M. S. L. 100 feet.

| 1874.     | Mean Pressure. | Air Temperature. |        |       |           |      |           |               | Tension of Vapour. |               |        | Relative Humidity. |       |     |
|-----------|----------------|------------------|--------|-------|-----------|------|-----------|---------------|--------------------|---------------|--------|--------------------|-------|-----|
|           |                | Means of         |        |       | Abs. Min. |      | Abs. Max. |               |                    |               |        |                    |       |     |
|           |                | 8 a.m.           | 8 p.m. | Mean. | Min.      | Max. | Temp.     | Day.          | Temp.              | Day.          | 8 a.m. | 8 p.m.             | Mean. |     |
|           |                |                  |        |       |           |      |           |               |                    |               |        |                    |       |     |
| January   | ins.           | 40°8             | —      | —     | 35°9      | 46°9 | 29°0      | 4th and 5th   | 53°0               | 29th          | ins.   | ins.               | ins.  | °/° |
| February  | 29°851         | 37°2             | —      | —     | 33°3      | 44°2 | 22°0      | 11th          | 51°0               | 28th          | 21°2   | —                  | —     | 95  |
| March     | 29°928         | 44°0             | —      | —     | 37°4      | 50°7 | 20°0      | 11th          | 63°0               | 23rd          | 26°3   | —                  | —     | 91  |
| April     | 30°066         | 47°2             | —      | —     | 40°3      | 57°1 | 34°0      | 13th and 20th | 74°0               | 22nd          | 28°6   | —                  | —     | 89  |
| May       | 29°808         | 47°9             | —      | —     | 41°8      | 51°9 | 33°0      | 17th and 18th | 62°0               | 28th and 31st | 27°5   | —                  | —     | 84  |
| June      | 29°996         | 56°7             | —      | —     | 49°4      | 63°7 | 38°0      | 12th          | 75°0               | 5th           | 36°0   | —                  | —     | 78  |
| July      | 30°085         | 62°2             | —      | —     | 54°1      | 69°4 | 42°5      | 7th           | 79°0               | 8th and 9th   | 44°7   | —                  | —     | 80  |
| August    | 29°934         | 59°9             | 56°0   | 58°0  | 51°3      | 67°0 | 44°0      | 30th          | 85°0               | 19th          | 44°2   | 42°5               | 43°4  | 86  |
| September | 780            | 56°1             | 53°4   | 54°8  | 49°3      | 62°9 | 42°0      | 14th          | 68°4               | 24th          | 38°0   | 36°8               | 37°4  | 84  |
| October   | 804            | 49°4             | 43°5   | 46°5  | 42°8      | 54°6 | 32°0      | 22nd and 31st | 62°0               | 15th          | 33°0   | 27°8               | 30°4  | 94  |
| November  | 739            | 41°7             | 39°5   | 40°6  | 37°5      | 46°6 | 28°0      | 27th          | 59°0               | 5th and 9th   | 23°6   | 23°6               | 23°6  | 90  |
| December  | 887            | 32°5             | 30°9   | 31°7  | 27°5      | 36°8 | 10°0      | 30th and 31st | 47°0               | 6th           | 17°9   | 17°3               | 17°6  | 97  |
| Year      | 29°793         | 48°0             | —      | —     | —         | —    | —         | —             | —                  | —             | 30°4   | —                  | —     | 88  |

\* One day's obs. missing. † Mean of 27 days only. NOTE.—From August 5th the hours of observation are 9 a.m. and 9 p.m., till then the p.m. observations of temperature were omitted so frequently that it has been deemed advisable to reject the remainder.

## DURHAM

Long. 1° 35' W. Lat. 54° 47' N. Height above M. S. L. 345 ft.

| 1874.     | Mean Pressure. | Air Temperature. |         |       |           |      |           |              | Tension of Vapour. |      |         | Relative Humidity. |       |     |
|-----------|----------------|------------------|---------|-------|-----------|------|-----------|--------------|--------------------|------|---------|--------------------|-------|-----|
|           |                | Means of         |         |       | Abs. Min. |      | Abs. Max. |              |                    |      |         |                    |       |     |
|           |                | 10 a.m.          | 10 p.m. | Mean. | Min.      | Max. | Temp.     | Day.         | Temp.              | Day. | 10 a.m. | 10 p.m.            | Mean. |     |
|           |                |                  |         |       |           |      |           |              |                    |      |         |                    |       |     |
| January   | ins.           | 41°0             | 40°3    | 40°7  | 34°6      | 45°5 | 27°8      | 18th         | 50°9               | 15th | ins.    | ins.               | ins.  | °/° |
| February  | 29°870         | 37°9             | 35°9    | 36°9  | 31°1      | 43°6 | 19°3      | 5th and 12th | 50°5               | 15th | 21°1    | 20°8               | 21°0  | 83  |
| March     | 29°944         | 45°2             | 40°1    | 42°7  | 36°6      | 51°1 | 18°8      | 11th         | 60°2               | 23rd | 19°3    | 19°0               | 19°2  | 85  |
| April     | 30°066         | 51°0             | 43°6    | 47°3  | 38°9      | 58°1 | 29°6      | 11th         | 73°3               | 26th | 23°9    | 21°6               | 22°8  | 80  |
| May       | 29°802         | 49°5             | 43°5    | 46°5  | 40°2      | 53°9 | 30°3      | 17th         | 68°3               | 27th | 27°0    | 25°2               | 26°1  | 72  |
| June      | 29°995         | 59°5             | 50°8    | 55°2  | 45°9      | 65°7 | 37°2      | 12th         | 73°5               | 19th | 26°3    | 25°8               | 26°1  | 75  |
| July      | 30°100         | 64°5             | 57°0    | 60°8  | 52°2      | 72°5 | 40°9      | 7th          | 84°2               | 18th | 34°7    | 32°3               | 33°5  | 69  |
| August    | 29°931         | 60°4             | 53°3    | 56°9  | 49°2      | 67°1 | 38°8      | 24th         | 82°5               | 19th | 40°8    | 38°5               | 39°7  | 67  |
| September | 834            | 56°2             | 51°5    | 53°9  | 47°9      | 62°2 | 38°5      | 14th         | 68°0               | 27th | 36°5    | 34°6               | 35°6  | 70  |
| October   | 799            | 50°0             | 46°3    | 48°2  | 42°2      | 54°8 | 35°4      | 24th         | 63°1               | 27th | 35°0    | 33°2               | 34°1  | 77  |
| November  | 752            | 41°0             | 39°6    | 40°3  | 36°1      | 45°5 | 25°4      | 28th         | 58°3               | 5th  | 20°3    | 27°4               | 28°4  | 82  |
| December  | 879            | 31°3             | 29°3    | 30°3  | 25°6      | 35°8 | 2°9       | 30th         | 46°8               | 5th  | 21°7    | 21°9               | 21°8  | 85  |
| Year      | 29°777         | 49°0             | 44°3    | 46°6  | —         | —    | —         | —            | —                  | —    | 15°6    | 14°2               | 14°9  | 87  |

## SANDWICK.

Therms. 4 ft. above ground. Rain gauge 2 ft. above ground.

| 1874.     | Amount of Cloud. |        |       | Rainfall. |       |      | Weather.       |       |       |                 |            |           |        | Wind.                         |      |    |      |     |      |     |      |        |  |
|-----------|------------------|--------|-------|-----------|-------|------|----------------|-------|-------|-----------------|------------|-----------|--------|-------------------------------|------|----|------|-----|------|-----|------|--------|--|
|           | 9 a.m.           | 9 p.m. | Mean. | Total.    | Max.  | Day. | No. of Days of |       |       |                 |            |           |        | No. of Obs. under each point. |      |    |      |     |      |     |      |        |  |
|           |                  |        |       |           |       |      | Rain.          | Snow. | Hail. | Thunder Storms. | Clear Sky. | Overcast. | Gales. | N.                            | N.E. | E. | S.E. | S.  | S.W. | W.  | N.W. | Calms. |  |
|           |                  |        |       |           |       |      |                |       |       |                 |            |           |        |                               |      |    |      |     |      |     |      |        |  |
| January   | 7°6              | 7°5    | 7°6   | ins.      | ins.  | 18th | 29             | 7     | 2     | 0               | 0          | 16        | 21     | 1                             | 1    | 0  | 2    | 7   | 16   | 26  | 8    | 1      |  |
| February  | 5°4              | 4°6    | 5°0   | 1°390     | °360  | 20th | 17             | 2     | 0     | 0               | 8          | 8         | 7      | 2                             | 2    | 1  | 8    | 17  | 10   | 11  | 4    | 1      |  |
| March     | 7°0              | 7°2    | 7°1   | 3°460     | °460  | 19th | 23             | 6     | 0     | 0               | 2          | 13        | 11     | 5                             | 1    | 2  | 4    | 12  | 13   | 15  | 8    | 0      |  |
| April     | 7°1              | 6°3    | 6°7   | 2°100     | °420  | 2nd  | 19             | 0     | 2     | 0               | 2          | 10        | 7      | 2                             | 4    | 3  | 16   | 11  | 8    | 10  | 6    | 0      |  |
| May       | 6°7              | 6°0    | 6°4   | 1°510     | °350  | 26th | 14             | 0     | 0     | 0               | 1          | 9         | 1      | 7                             | 16   | 5  | 13   | 5   | 5    | 5   | 5    | 0      |  |
| June      | 7°5              | 7°3    | 7°4   | 1°670     | °580  | 10th | 14             | 0     | 0     | 0               | 2          | 15        | 3      | 5                             | 2    | 0  | 10   | 4   | 7    | 12  | 20   | 0      |  |
| July      | 5°7              | 6°2    | 6°0   | 2°750     | °630  | 14th | 16             | 0     | 0     | 0               | 5          | 10        | 0      | 3                             | 1    | 3  | 10   | 13  | 6    | 11  | 11   | 4      |  |
| August    | 5°6              | 6°2    | 5°9   | 5°000     | °550  | 5th  | 23             | 0     | 0     | 0               | 3          | 11        | 2      | 3                             | 5    | 4  | 7    | 8   | 7    | 14  | 8    | 6      |  |
| September | 6°2              | 7°0    | 6°6   | 4°860     | °910  | 28th | 26             | 0     | 0     | 2               | 3          | 12        | 3      | 3                             | 1    | 3  | 6    | 15  | 10   | 9   | 7    | 4      |  |
| October   | 7°5              | 6°6    | 7°1   | 4°100     | 1°150 | 20th | 22             | 0     | 0     | 0               | 2          | 11        | 8      | 3                             | 0    | 0  | 3    | 19  | 14   | 11  | 10   | 2      |  |
| November  | 7°0              | 7°3    | 7°2   | 4°000     | °540  | 25th | 25             | 2     | 2     | 0               | 2          | 14        | 10     | 5                             | 3    | 3  | 7    | 11  | 4    | 12  | 10   | 5      |  |
| December  | 5°8              | 5°6    | 5°7   | 3°440     | °580  | 3rd  | 22             | 13    | 3     | 1               | 6          | 9         | 7      | 13                            | 2    | 6  | 8    | 4   | 2    | 6   | 12   | 7      |  |
| Year      | 6°6              | 6°5    | 6°6   | 39°260    | —     | —    | 250            | 30    | 9     | 3               | 36         | 138       | 80     | 52                            | 38   | 30 | 94   | 126 | 102  | 142 | 109  | 30     |  |

March wind, 2 obs. lost.

May wind, 1 obs. lost.

September wind, 2 obs. lost.

December wind, 2 obs. lost.

## SEAHAM.

Therms. 4 ft. above ground. Rain gauge 1 ft. 9 ins. above ground.

| 1874.     | Amount of Cloud. |        |       | Rainfall. |       |      | Weather.       |       |       |                 |            |           |        | Wind.                         |      |    |      |     |      |     |      |        |  |
|-----------|------------------|--------|-------|-----------|-------|------|----------------|-------|-------|-----------------|------------|-----------|--------|-------------------------------|------|----|------|-----|------|-----|------|--------|--|
|           | S.a.m.           | 3 p.m. | Mean. | Total.    | Max.  | Day. | No. of Days of |       |       |                 |            |           |        | No. of Obs. under each point. |      |    |      |     |      |     |      |        |  |
|           |                  |        |       |           |       |      | Rain.          | Snow. | Hail. | Thunder Storms. | Clear Sk'. | Overcast. | Gales. | N.                            | N.E. | E. | S.E. | S.  | S.W. | W.  | N.W. | Calms. |  |
|           |                  |        |       |           |       |      |                |       |       |                 |            |           |        |                               |      |    |      |     |      |     |      |        |  |
| January   | 3'9              | 1'8    | 2'9   | ins.      | ins.  | 3rd  | 7              | 2     | 2     | 0               | 9          | 1         | 3      | 0                             | 0    | 0  | 0    | 13  | 22   | 23  | 4    | 0      |  |
| February  | 5'5              | 3'8    | 4'7   | 0'830     | '390  | 26th | 8              | 2     | 0     | 0               | 9          | 4         | 2      | 5                             | 1    | 1  | 6    | 18  | 9    | 11  | 5    | 0      |  |
| March     | 5'0              | 3'6    | 4'3   | 1'330     | '190  | 11th | 16             | 3     | 1     | 0               | 5          | 3         | 14     | 4                             | 2    | 0  | 4    | 8   | 22   | 15  | 7    | 0      |  |
| April     | 3'2              | 3'4    | 3'3   | 0'770     | '400  | 13th | 6              | 1     | 2     | 2               | 10         | 2         | 4      | 4                             | 1    | 1  | 8    | 12  | 16   | 15  | 3    | 0      |  |
| May       | 6'5              | 7'3    | 6'9   | 2'930     | '000  | 23rd | 16             | 0     | 1     | 0               | 3          | 14        | 1      | 20                            | 10   | 10 | 4    | 3   | 5    | 3   | 3    | 0      |  |
| June      | 5'7              | 4'5    | 5'1   | 0'680     | '180  | 25th | 7              | 0     | 0     | 2               | 3          | 5         | 2      | 13                            | 4    | 1  | 2    | 6   | 10   | 6   | 5    | 13     |  |
| July      | 5'0              | 4'1    | 4'6   | 0'880     | '380  | 23rd | 8              | 0     | 0     | 0               | 2          | 1         | 1      | 5                             | 0    | 0  | 1    | 10  | 18   | 5   | 4    | 19     |  |
| August    | 6'2              | 4'7    | 5'5   | 2'480     | '860  | 10th | 16             | 0     | 0     | 4               | 3          | 6         | 1      | 3                             | 2    | 3  | 1    | 9   | 19   | 18  | 3    | 4      |  |
| September | 4'8              | 4'4    | 4'6   | 2'450     | '460  | 11th | 15             | 0     | 0     | 2               | 3          | 5         | 0      | 4                             | 0    | 0  | 1    | 20  | 15   | 10  | 2    | 8      |  |
| October   | 6'6              | *4'2   | 5'4   | 1'450     | '300  | 6th  | 13             | 0     | 0     | 0               | 7          | 5         | 2      | 1                             | 1    | 0  | 0    | 24  | 7    | 12  | 3    | 14     |  |
| November  | 6'9              | 76'9   | 6'9   | 3'220     | '500  | 29th | 17             | 4     | 1     | 0               | 2          | 12        | 0      | 2                             | 0    | 1  | 3    | 11  | 4    | 17  | 3    | 19     |  |
| December  | 6'4              | 5'0    | 5'7   | 3'090     | 1'160 | 8th  | 14             | 10    | 3     | 0               | 4          | 5         | 0      | 3                             | 9    | 1  | 3    | 2   | 9    | 15  | 11   | 9      |  |
| Year      | 5'5              | 4'5    | 5'0   | 21'740    | —     | —    | 143            | 22    | 10    | 10              | 60         | 63        | 30     | 64                            | 30   | 18 | 33   | 136 | 156  | 150 | 53   | 88     |  |



## HULL

Long. 0° 20' W. Lat. 53° 45' N. Height above M. S. L., 29 feet till 23rd of May, then 14 feet.

| 1874.     | Mean Pressure. | Air Temperature. |        |       |           |       |           |               |      | Tension of Vapour. |        |       | Relative Humidity. |        |       |
|-----------|----------------|------------------|--------|-------|-----------|-------|-----------|---------------|------|--------------------|--------|-------|--------------------|--------|-------|
|           |                | Means of         |        |       | Abs. Min. |       | Abs. Max. |               |      |                    |        |       |                    |        |       |
|           |                | 9 a.m.           | 3 p.m. | Mean. |           |       |           |               |      | 9 a.m.             | 3 p.m. | Mean. | 9 a.m.             | 3 p.m. | Mean. |
|           |                | Min.             | Max.   | Temp. | Day.      | Temp. | Day.      | Temp.         | Day. | 9 a.m.             | 3 p.m. | Mean. | 9 a.m.             | 3 p.m. | Mean. |
| January   | ins.           | 29°55            | 40°8   | 40°7  | 35°0      | 40°7  | 28°0      | 25th          | 52°5 | 22nd               | ins.   | ins.  | ins.               | %      | %     |
| February  | 29°58          | 38°3             | 37°9   | 38°1  | 33°1      | 45°3  | 23°0      | 11th          | 54°0 | 28th               | 229    | 231   | 230                | 91     | 92    |
| March     | 30°122         | 44°7             | 41°3   | 43°0  | 36°5      | 52°8  | 21°0      | 11th and 12th | 64°0 | 24th               | 203    | 211   | 207                | 88     | 93    |
| April     | 29°847         | 52°6             | 46°4   | 49°5  | 40°8      | 59°5  | 33°5      | 11th          | 76°5 | 22nd               | 247    | 243   | 245                | 84     | 94    |
| May       | 29°994         | 51°9             | 45°0   | 48°5  | 41°8      | 57°6  | 32°0      | 18th          | 69°0 | 28th and 31st      | 270    | 278   | 279                | 71     | 89    |
| June      | 30°121         | 59°7             | 54°6   | 57°2  | 51°1      | 68°7  | 39°0      | 15th          | 78°0 | 5th                | 284    | 275   | 280                | 74     | 92    |
| July      | 29°972         | 65°0             | 59°3   | 62°2  | 53°0      | 74°0  | 45°0      | 6th           | 89°5 | 10th               | 370    | 348   | 359                | 72     | 81    |
| August    | 891            | 59°6             | 57°3   | 58°5  | 49°7      | 66°9  | 41°0      | 22nd          | 82°1 | 20th               | 466    | 432   | 449                | 76     | 86    |
| September | 859            | 56°0             | 54°2   | 55°1  | 49°3      | 64°4  | 39°0      | 14th          | 73°5 | 1st                | 434    | 407   | 421                | 86     | 86    |
| October   | 809            | 51°7             | 48°8   | 50°3  | 44°6      | 57°1  | 35°0      | 23rd and 24th | 67°0 | 28th               | 437    | 418   | 428                | 97     | 99    |
| November  | 909            | 40°9             | 39°8   | 40°4  | 36°3      | 48°6  | 24°0      | 23rd          | 59°0 | 20th               | 357    | 325   | 341                | 93     | 94    |
| December  | 29°769         | 31°8             | 30°3   | 31°1  | 26°5      | 40°2  | 9°5       | 30th          | 56°0 | 5th and 9th        | 226    | 220   | 223                | 89     | 91    |
| Year      | 29°937         | 49°4             | 46°3   | 47°9  | —         | —     | —         | —             | —    | —                  | 308    | 295   | 302                | 84     | 91    |

## LEICESTER

Long. 1° 8' W. Lat. 52° 39' N. Height above M. S. L., 237 feet.

| 1874.     | Mean Pressure. | Air Temperature. |        |       |           |       |           |                   |      | Tension of Vapour. |        |       | Relative Humidity. |        |       |
|-----------|----------------|------------------|--------|-------|-----------|-------|-----------|-------------------|------|--------------------|--------|-------|--------------------|--------|-------|
|           |                | Means of         |        |       | Abs. Min. |       | Abs. Max. |                   |      |                    |        |       |                    |        |       |
|           |                | 9 a.m.           | 3 p.m. | Mean. |           |       |           |                   |      | 9 a.m.             | 3 p.m. | Mean. | 9 a.m.             | 3 p.m. | Mean. |
|           |                | Min.             | Max.   | Temp. | Day.      | Temp. | Day.      | Temp.             | Day. | 9 a.m.             | 3 p.m. | Mean. | 9 a.m.             | 3 p.m. | Mean. |
| January   | ins.           | 30°050           | 40°3   | 40°9  | 30°5      | 46°4  | 28°1      | 11th              | 52°6 | 21st               | ins.   | ins.  | ins.               | %      | %     |
| February  | 30°33          | 36°7             | 37°6   | 37°2  | 32°1      | 44°5  | 18°5      | 6th               | 53°0 | 15th               | 223    | 225   | 225                | 90     | 89    |
| March     | 30°204         | 42°8             | 43°5   | 43°2  | 37°2      | 50°8  | 19°3      | 11th              | 64°4 | 24th               | 196    | 198   | 197                | 90     | 88    |
| April     | 29°892         | 50°2             | 49°3   | 49°8  | 41°7      | 58°4  | 33°9      | 11th              | 74°6 | 22nd               | 223    | 235   | 229                | 81     | 83    |
| May       | 30°028         | 49°8             | 48°6   | 49°2  | 42°3      | 57°6  | 33°0      | 2nd               | 67°0 | 26th               | 274    | 286   | 280                | 76     | 82    |
| June      | 150            | 57°7             | 57°1   | 57°4  | 48°3      | 65°9  | 37°7      | 13th              | 76°2 | 10th               | 273    | 282   | 278                | 77     | 83    |
| July      | 30°009         | 64°8             | 62°5   | 63°7  | 53°6      | 73°6  | 46°0      | 6th, 10th, & 25th | 84°3 | 20th               | 343    | 350   | 347                | 71     | 75    |
| August    | 29°943         | 59°9             | 58°4   | 59°2  | 51°4      | 68°0  | 43°6      | 22nd              | 81°7 | 21st               | 421    | 407   | 414                | 69     | 72    |
| September | 914            | 57°4             | 55°9   | 56°7  | 50°2      | 64°2  | 42°0      | 13th              | 74°0 | 28th               | 378    | 388   | 383                | 73     | 79    |
| October   | 878            | 51°4             | 49°9   | 50°7  | 45°7      | 57°5  | 36°3      | 23rd              | 64°6 | 16th               | 376    | 371   | 374                | 80     | 84    |
| November  | 971            | 40°8             | 41°4   | 41°1  | 36°0      | 47°0  | 24°2      | 21st              | 57°3 | 3rd                | 331    | 315   | 323                | 87     | 88    |
| December  | 29°829         | 32°0             | 31°7   | 31°9  | 26°0      | 36°9  | 10°7      | 31st              | 50°8 | 8th                | 227    | 231   | 229                | 89     | 89    |
| Year      | 29°992         | 48°7             | 48°1   | 48°4  | —         | —     | —         | —                 | —    | —                  | 162    | 158   | 160                | 90     | 89    |

NOTE.—Min. and max. therms. read at 9 a.m.

\* Min. and max. not observed on 27th Feb.

## OSCOTT

Long. 1° 51' W. Lat. 52° 33' N. Height above M. S. L., 460 feet.

| 1874.     | Mean Pressure. | Air Temperature. |        |       |           |       |           |       |      | Tension of Vapour. |        |       | Relative Humidity. |        |       |
|-----------|----------------|------------------|--------|-------|-----------|-------|-----------|-------|------|--------------------|--------|-------|--------------------|--------|-------|
|           |                | Means of         |        |       | Abs. Min. |       | Abs. Max. |       |      |                    |        |       |                    |        |       |
|           |                | 9 a.m.           | 3 p.m. | Mean. |           |       |           |       |      | 9 a.m.             | 3 p.m. | Mean. | 9 a.m.             | 3 p.m. | Mean. |
|           |                | Min.             | Max.   | Temp. | Day.      | Temp. | Day.      | Temp. | Day. | 9 a.m.             | 3 p.m. | Mean. | 9 a.m.             | 3 p.m. | Mean. |
| January   | ins.           | 30°031           | 39°2   | 39°9  | 30°6      | 34°8  | 27°3      | 11th  | 51°5 | 19th               | ins.   | ins.  | ins.               | %      | %     |
| February  | 30°12          | 35°9             | 37°0   | 36°5  | 31°9      | 43°6  | 20°0      | 6th   | 53°8 | 15th               | 224    | 225   | 225                | 93     | 92    |
| March     | 30°189         | 42°2             | 42°0   | 42°1  | 37°0      | 50°7  | 20°3      | 11th  | 58°3 | 28th               | 196    | 202   | 199                | 93     | 92    |
| April     | 29°868         | 49°6             | 47°9   | 48°8  | 40°6      | 59°6  | 32°4      | 11th  | 75°3 | 22nd               | 233    | 229   | 231                | 87     | 86    |
| May       | 30°003         | 49°1             | 47°2   | 48°2  | 41°6      | 57°7  | 30°9      | 2nd   | 68°5 | 28th               | 278    | 275   | 277                | 78     | 84    |
| June      | 30°131         | 56°8             | 54°5   | 55°7  | 47°2      | 66°6  | 39°1      | 14th  | 78°7 | 10th               | 275    | 282   | 279                | 79     | 88    |
| July      | 29°985         | 63°8             | 60°9   | 62°4  | 52°7      | 74°6  | 46°6      | 6th   | 86°4 | 20th               | 344    | 342   | 343                | 74     | 80    |
| August    | 927            | 58°9             | 56°9   | 57°9  | 50°7      | 69°0  | 42°5      | 22nd  | 82°1 | 21st               | 422    | 392   | 407                | 72     | 73    |
| September | 894            | 56°2             | 53°5   | 54°9  | 49°3      | 66°0  | 43°3      | 14th  | 83°4 | 10th               | 392    | 384   | 388                | 79     | 83    |
| October   | 854            | 50°1             | 48°2   | 49°2  | 45°0      | 56°7  | 36°1      | 8th   | 63°4 | 16th               | 380    | 364   | 372                | 84     | 89    |
| November  | 955            | 39°9             | 40°1   | 40°0  | 35°5      | 46°8  | 22°0      | 22nd  | 57°7 | 5th                | 326    | 307   | 317                | 90     | 92    |
| December  | 29°818         | 31°1             | 30°8   | 31°0  | 27°0      | 37°0  | 18°3      | 30th  | 49°2 | 9th                | 227    | 227   | 227                | 93     | 92    |
| Year      | 29°972         | 47°7             | 46°6   | 47°2  | —         | —     | —         | —     | —    | —                  | 157    | 152   | 155                | 90     | 88    |

NOTE.—Min. and max. therms. read at 9 a.m.

\* Mean of 30 obs. only, min. for 27th missing.

## HULL

Therms. 4 ft. above ground till 23rd of May, then 5 ft. Rain gauge 8 ins. above ground till 23rd of May, then 10 ins.

| 1874.     | Amount of Cloud. |        |       | Rainfall. |      |      | Weather.       |       |       |                 |            |           |        | Wind.                         |      |    |      |     |      |     |      |        |
|-----------|------------------|--------|-------|-----------|------|------|----------------|-------|-------|-----------------|------------|-----------|--------|-------------------------------|------|----|------|-----|------|-----|------|--------|
|           | 9 a.m.           | 9 p.m. | Mean. | Total.    | Max. | Day. | No. of Days of |       |       |                 |            |           |        | No. of Obs. under each Point. |      |    |      |     |      |     |      |        |
|           |                  |        |       |           |      |      | Rain.          | Snow. | Hail. | Thunder Storms. | Clear Sky. | Overcast. | Gales. | N.                            | N.E. | E. | S.E. | S.  | S.W. | W.  | N.W. | Calms. |
|           |                  |        |       |           |      |      |                |       |       |                 |            |           |        |                               |      |    |      |     |      |     |      |        |
| January   | 6°0              | 5°2    | 5°6   | ins.      | ins. | 1st  | 10             | 0     | 0     | 0               | 6          | 11        | 0      | 0                             | 0    | 2  | 4    | 18  | 20   | 12  | 2    | 4      |
| February  | 6°0              | 4°3    | 5°2   | 1°220     | °480 | 26th | 13             | 0     | 0     | 0               | 7          | 9         | 1      | 0                             | 1    | 3  | 7    | 15  | 13   | 9   | 5    | 3      |
| March     | 7°0              | 4°2    | 5°6   | 1°220     | °300 | 11th | 16             | 3     | 0     | 0               | 6          | 9         | 0      | 0                             | 1    | 2  | 3    | 13  | 20   | 14  | 5    | 4      |
| April     | 4°2              | 3°8    | 4°0   | 1°000     | °330 | 9th  | 7              | 0     | 0     | 2               | 9          | 4         | 0      | 2                             | 4    | 7  | 4    | 8   | 10   | 8   | 5    | 12     |
| May       | 7°3              | 5°8    | 6°6   | 1°600     | —    | —    | 0              | 0     | 0     | 0               | 1          | 9         | 0      | 13                            | 10   | 4  | 2    | 2   | 5    | 4   | 7    | 14     |
| June      | 5°3              | 4°9    | 5°1   | 0°600     | °150 | 30th | 4              | 0     | 0     | 1               | 5          | 6         | 0      | 9                             | 9    | 2  | 3    | 8   | 8    | 7   | 6    | —      |
| July      | 5°7              | 3°7    | 4°7   | 1°475     | °390 | 28th | 11             | 0     | 0     | 3               | 5          | 5         | 0      | 4                             | 3    | 8  | 7    | 12  | 13   | 11  | 4    | 0      |
| August    | 6°0              | 4°1    | 5°1   | 2°290     | °360 | 4th  | 17             | 0     | 0     | 1               | 3          | 4         | 0      | 4                             | 3    | 3  | 2    | 2   | 8    | 18  | 21   | 3      |
| September | 6°0              | 3°8    | 4°9   | 1°570     | °590 | 30th | 11             | 0     | 0     | 0               | 6          | 8         | 0      | 3                             | 2    | 1  | 2    | 18  | 22   | 9   | 3    | 0      |
| October   | 6°8              | 5°1    | 6°0   | 1°259     | °380 | 7th  | 13             | 0     | 0     | 0               | 6          | 14        | 2      | 4                             | 3    | 2  | 4    | 11  | 18   | 15  | 5    | 0      |
| November  | 7°4              | 6°1    | 6°8   | 3°130     | °700 | 28th | 18             | 3     | 5     | 0               | 2          | 14        | 0      | 3                             | 3    | 0  | 7    | 7   | 13   | 21  | 6    | 0      |
| December  | 7°5              | 4°9    | 6°2   | 2°320     | °550 | 8th  | 18             | 10    | 3     | 0               | 3          | 9         | 0      | 10                            | 5    | 1  | 2    | 4   | 14   | 18  | 8    | 0      |
| Year      | 6°3              | 4°7    | 5°5   | 16°374    | —    | —    | 138            | 16    | 8     | 7               | 59         | 102       | 3      | 52                            | 44   | 34 | 47   | 124 | 174  | 150 | 60   | 44     |

May, 1 obs. of wind lost.

## LEICESTER

Therms. 4 ft. above ground. Rain gauge 1 ft. above ground.

| 1874.     |   | Amount of Cloud. |        |       | Rainfall. |      |      | Weather.       |       |       |                 |            |           |        | Wind.                         |      |    |      |    |      |     |      |        |
|-----------|---|------------------|--------|-------|-----------|------|------|----------------|-------|-------|-----------------|------------|-----------|--------|-------------------------------|------|----|------|----|------|-----|------|--------|
|           |   | 9 a.m.           | 9 p.m. | Mean. | Total.    | Max. | Day. | No. of Days of |       |       |                 |            |           |        | No. of Obs. under each Point. |      |    |      |    |      |     |      |        |
|           |   |                  |        |       |           |      |      | Rain.          | Snow. | Hail. | Thunder Storms. | Clear Sky. | Overcast. | Gales. | N.                            | N.E. | E. | S.E. | S. | S.W. | W.  | N.W. | Calms. |
|           |   |                  |        |       |           |      |      |                |       |       |                 |            |           |        |                               |      |    |      |    |      |     |      |        |
| January   | - | 7°5              | 6°6    | 7°1   | ins.      | ins. | 10th | 16             | 2     | 0     | 0               | 4          | 15        | 1      | 1                             | 0    | 0  | 1    | 8  | 28   | 9   | 9    | 6      |
| February  | - | 7°8              | 5°6    | 6°7   | 1°550     | 420  | 26th | 15             | 2     | 0     | 0               | 3          | 14        | 1      | 1                             | 1    | 3  | 10   | 11 | 10   | 3   | 7    | 10     |
| March     | - | 8°3              | 5°7    | 7°0   | 0°960     | 150  | 17th | 16             | 1     | 0     | 0               | 1          | 13        | 2      | 1                             | 5    | 0  | 4    | 5  | 23   | 12  | 4    | 8      |
| April     | - | 5°7              | 5°1    | 5°4   | 1°340     | 390  | 9th  | 12             | 0     | 4     | 0               | 8          | 9         | 1      | 5                             | 2    | 7  | 6    | 16 | 8    | 3   | 7    |        |
| May       | - | 8°6              | 7°4    | 8°0   | 1°750     | 460  | 25th | 15             | 0     | 2     | 2               | 0          | 20        | 0      | 10                            | 24   | 5  | 1    | 0  | 11   | 5   | 1    | 5      |
| June      | - | 7°0              | 5°9    | 6°5   | 0°600     | 190  | 29th | 8              | 0     | 0     | 3               | 3          | 12        | 0      | 5                             | 14   | 5  | 2    | 5  | 11   | 7   | 5    | 6      |
| July      | - | 5°9              | 4°6    | 5°3   | 1°200     | 410  | 21st | 11             | 0     | 1     | 3               | 5          | 3         | 1      | 0                             | 6    | 6  | 1    | 2  | 18   | 11  | 2    | 16     |
| August    | - | 7°2              | 5°2    | 6°2   | 2°170     | 370  | 27th | 20             | 0     | 0     | 2               | 4          | 10        | 1      | 1                             | 4    | 0  | 1    | 6  | 17   | 17  | 1    | 15     |
| September | - | 7°6              | 5°8    | 6°7   | 2°530     | 830  | 16th | 18             | 0     | 0     | 1               | 1          | 10        | 2      | 3                             | 1    | 2  | 2    | 10 | 25   | 8   | 0    | 9      |
| October   | - | 8°6              | 5°     | 6°9   | 2°100     | 520  | 6th  | 22             | 0     | 0     | 1               | 1          | 12        | 3      | 1                             | 4    | 2  | 5    | 9  | 20   | 11  | 2    | 8      |
| November  | - | 8°3              | 6°8    | 7°6   | 2°230     | 600  | 28th | 16             | 2     | 0     | 0               | 1          | 16        | 0      | 4                             | 0    | 4  | 5    | 11 | 5    | 13  | 14   |        |
| December  | - | 8°8              | 7°3    | 8°1   | 1°780     | 350  | 8th  | 15             | 5     | 0     | 0               | 1          | 19        | 1      | 14                            | 7    | 2  | 4    | 0  | 11   | 4   | 5    | 15     |
| Year      | - | 7°6              | 5°9    | 6°8   | 20°170    | —    | —    | 184            | 12    | 7     | 12              | 32         | 153       | 13     | 46                            | 68   | 36 | 41   | 67 | 201  | 100 | 52   | 119    |



QUARTERLY WEATHER REPORT.

CHIGWELL ROW -

Long.  $0^{\circ} 6' \text{ E.}$  Lat.  $51^{\circ} 37' \text{ N.}$  Height above M. S. L., 186 ft.

| 1874.     |   | Mean Pressure. | Air Temperature.    |      |      |          |       |           |              |           |               |                     | Tension of Vapour.  |      |    | Relative Humidity. |    |  |
|-----------|---|----------------|---------------------|------|------|----------|-------|-----------|--------------|-----------|---------------|---------------------|---------------------|------|----|--------------------|----|--|
|           |   |                | 9 a.m. 9 p.m. Mean. |      |      | Means of |       | Abs. Min. |              | Abs. Max. |               | 9 a.m. 9 p.m. Mean. | 9 a.m. 9 p.m. Mean. |      |    |                    |    |  |
|           |   |                |                     |      |      | Min.     | Max.  | Temp.     | Day.         | Temp.     | Day.          |                     |                     |      |    |                    |    |  |
|           |   |                | ins.                | °    | '    | °        | '     | °         | '            | °         | '             | ins.                | ins.                | ins. | %  | %                  | %  |  |
| January   | - | 30°104         | 40°5                | 41°1 | 40°8 | 35°5     | 45°9  | 28°8      | 5th          | 52°8      | 20th          | 231                 | 230                 | 231  | 92 | 89                 | 91 |  |
| February  | - | '066           | 37°5                | 37°8 | 37°7 | 33°1     | 42°7  | 21°1      | 10th         | 50°0      | 15th and 27th | 207                 | 201                 | 204  | 92 | 89                 | 91 |  |
| March     | - | 30°238         | 43°7                | 42°8 | 43°3 | 37°3     | 49°9  | 20°8      | 10th         | 60°5      | 23rd          | 249                 | 230                 | 240  | 87 | 84                 | 86 |  |
| April     | - | 29°920         | 51°9                | 48°2 | 50°1 | 42°4     | 56°6  | 34°8      | 5th and 12th | 71°0      | 21st          | 304                 | 272                 | 288  | 79 | 82                 | 81 |  |
| May       | - | 30°020         | 53°3                | 48°5 | 50°9 | 42°4     | 58°6  | 33°5      | 8th          | 70°5      | 22nd          | 314                 | 266                 | 290  | 77 | 78                 | 78 |  |
| June      | - | '155           | 60°2                | 56°4 | 58°3 | 50°2     | 66°1  | 40°1      | 12th         | 76°0      | 2nd           | 390                 | 349                 | 370  | 75 | 76                 | 76 |  |
| July      | - | 30°041         | 66°5                | 63°7 | 65°1 | 55°8     | 73°1  | 49°8      | 24th         | 82°5      | 10th and 20th | 465                 | 429                 | 447  | 72 | 73                 | 73 |  |
| August    | - | 29°996         | 62°1                | 59°9 | 61°0 | 53°1     | 67°6  | 47°1      | 23rd         | 75°6      | 19th          | 415                 | 396                 | 406  | 75 | 78                 | 77 |  |
| September | - | '966           | 59°2                | 56°7 | 58°0 | '51°0    | '63°6 | 42°3      | 14th         | '72°0     | 1st           | 402                 | 381                 | 392  | 80 | 83                 | 82 |  |
| October   | - | '932           | 53°1                | 50°4 | 51°8 | 46°0     | 57°0  | 36°3      | 22nd         | 66°3      | 1st           | 351                 | 333                 | 337  | 87 | 88                 | 88 |  |
| November  | - | '991           | 41°5                | 41°2 | 41°4 | 36°1     | 46°0  | 25°9      | 21st         | 58°0      | 6th           | 239                 | 229                 | 234  | 92 | 89                 | 91 |  |
| December  | - | 29°824         | 32°9                | 32°1 | 32°5 | 28°1     | 37°0  | 17°3      | 31st         | 51°0      | 6th           | 173                 | 161                 | 167  | 92 | 89                 | 91 |  |
| Year      | - | 30°021         | 50°2                | 48°2 | 49°2 | —        | —     | —         | —            | —         | —             | 312                 | 289                 | 301  | 83 | 83                 | 84 |  |

NOTE.—Min. and max. therms. read at 9 a.m.      \* Min. and max. not observed on 21st.      † Min. and max. not observed on 23rd.

DUBLIN -

Long.  $6^{\circ} 16' \text{ W.}$     Lat.  $53^{\circ} 21' \text{ N.}$     Height above M. S. L., 51 feet.

| 1874.     | Mean Pressure. | Air Temperature. |        |       |          |      |           |      |           |             |        | Tension of Vapour. |       |        | Relative Humidity. |       |  |
|-----------|----------------|------------------|--------|-------|----------|------|-----------|------|-----------|-------------|--------|--------------------|-------|--------|--------------------|-------|--|
|           |                | 9 a.m.           | 9 p.m. | Mean. | Means of |      | Abs. Min. |      | Abs. Max. |             | 9 a.m. | 9 p.m.             | Mean. | 9 a.m. | 9 p.m.             | Mean. |  |
|           |                |                  |        |       | Min.     | Max. | Temp.     | Day. | Temp.     | Day.        |        |                    |       |        |                    |       |  |
|           |                |                  |        |       |          |      |           |      |           |             |        |                    |       |        |                    |       |  |
| January   | ins.           | 42°6             | 43°4   | 43°0  | 39°2     | 48°0 | 31°4      | 5th  | 55°1      | 18th        | ins.   | ins.               | ins.  | °/o    | °/o                | °/o   |  |
| February  | 29°992         | 41°0             | 42°0   | 41°5  | 37°8     | 47°1 | 29°0      | 6th  | 53°5      | 14th        | °232   | °241               | °237  | 85     | 85                 | 85    |  |
| March     | 29°915         | 46°0             | 45°1   | 45°6  | 41°4     | 52°1 | 25°2      | 11th | 60°6      | 27th        | °215   | °221               | °218  | 84     | 84                 | 84    |  |
| April     | 30°169         | 48°8             | 50°7   | 49°8  | 43°8     | 57°0 | 33°6      | 12th | 67°2      | 28th        | °246   | °246               | °246  | 80     | 82                 | 81    |  |
| May       | 29°821         | 52°2             | 50°2   | 51°2  | 45°1     | 56°6 | 33°9      | 9th  | 65°3      | 31st        | °266   | °272               | °269  | 72     | 78                 | 75    |  |
| June      | 30°023         | 59°4             | 57°1   | 58°3  | 50°8     | 65°0 | 43°2      | 13th | 71°4      | 4th and 9th | °292   | °303               | °293  | 75     | 81                 | 78    |  |
| July      | 30°144         | 62°7             | 59°8   | 61°3  | 55°0     | 68°6 | 47°6      | 29th | 77°5      | 18th        | °348   | °340               | °344  | 69     | 73                 | 71    |  |
| August    | 29°962         | 59°1             | 57°1   | 58°1  | 52°9     | 65°3 | 47°3      | 12th | 72°5      | 22nd        | °402   | °409               | °406  | 71     | 80                 | 76    |  |
| September | °899           | 55°7             | 53°8   | 54°8  | 50°7     | 60°9 | 43°1      | 17th | 68°9      | 25th        | °395   | °393               | °394  | 79     | 84                 | 82    |  |
| October   | °820           | 50°2             | 49°2   | 49°7  | 45°5     | 55°3 | 35°2      | 8th  | 60°6      | 18th        | °353   | °350               | °352  | 80     | 85                 | 83    |  |
| November  | °032           | 45°9             | 46°4   | 46°2  | 42°3     | 50°7 | 30°3      | 12th | 59°1      | 9th         | °298   | °292               | °295  | 83     | 84                 | 84    |  |
| December  | °849           | 36°4             | 36°6   | 36°5  | 32°7     | 40°9 | 26°6      | 18th | 52°4      | 8th         | °273   | °273               | °273  | 89     | 87                 | 88    |  |
| Year      | 29°944         | 50°0             | 49°3   | 49°7  | —        | —    | —         | —    | —         | —           | °189   | °194               | °192  | 88     | 90                 | 89    |  |

PARSONSTOWN -

Long.  $7^{\circ} 55' \text{ W.}$     Lat.  $53^{\circ} 6' \text{ N.}$     Height above M. S. L. 182 ft.

| 1874      | Mean Pressure. | Air Temperature.          |      |        |      |          |      |           |                 |           |      | Tension of Vapour.        |          |          |          | Relative Humidity.        |      |        |      |
|-----------|----------------|---------------------------|------|--------|------|----------|------|-----------|-----------------|-----------|------|---------------------------|----------|----------|----------|---------------------------|------|--------|------|
|           |                | 8 a.m. 4 p.m. Midt. Mean. |      |        |      | Means of |      | Abs. Min. |                 | Abs. Max. |      | 8 a.m. 4 p.m. Midt. Mean. |          |          |          | 8 a.m. 4 p.m. Midt. Mean. |      |        |      |
|           |                |                           |      |        |      | Min.     | Max. | Temp.     | Day.            | Temp.     | Day. |                           |          |          |          |                           |      |        |      |
|           |                |                           |      |        |      |          |      |           |                 |           |      |                           |          |          |          |                           |      |        |      |
| January   | ins. 29°85     | 40°5                      | 44°2 | 41°2   | 42°0 | 36°9     | 47°9 | 28°6      | 5th             | 54°6      | 19th | ins. 239                  | ins. 257 | ins. 243 | ins. 246 | % 93                      | % 87 | % 92   | % 91 |
| February  | 29°862         | 38°9                      | 45°3 | 39°8   | 41°3 | 35°5     | 47°9 | 25°6      | 9th             | 55°4      | 21st | 221                       | 243      | 223      | 229      | 92                        | 80   | 90     | 87   |
| March     | 30°164         | 43°0                      | 49°6 | 43°0   | 45°2 | 38°5     | 53°5 | 20°9      | 11th            | 59°1      | 24th | 255                       | 268      | 254      | 259      | 90                        | 74   | 89     | 84   |
| April     | 29°804         | 46°7                      | 55°3 | 44°7   | 48°9 | 41°2     | 57°7 | 28°5      | 12th            | 70°6      | 28th | 265                       | 299      | 269      | 281      | 85                        | 67   | 89     | 80   |
| May       | 30°006         | 50°1                      | 57°1 | 46°5   | 51°2 | 42°2     | 60°4 | 28°3      | 10th            | 67°9      | 2nd  | 304                       | 312      | 289      | 302      | 83                        | 67   | 89     | 80   |
| June      | 30°130         | 56°0                      | 64°4 | 51°9   | 57°4 | 47°1     | 67°2 | 34°9      | { 13th & 14th } | 76°0      | 19th | 361                       | 368      | 342      | 357      | 80                        | 62   | 88     | 77   |
| July      | 29°942         | 59°2                      | 64°9 | 55°4   | 59°8 | 52°8     | 67°8 | 44°3      | 28th            | 78°2      | 17th | 451                       | 425      | 397      | 414      | 83                        | 70   | 90     | 81   |
| August    | °900           | 55°6                      | 63°1 | 54°5   | 57°7 | 50°5     | 65°9 | 45°0      | 12th            | 79°9      | 21st | 397                       | 418      | 390      | 402      | 89                        | 72   | 91     | 84   |
|           |                | 9 a.m.                    |      | 9 p.m. |      |          |      |           |                 |           |      | 9 a.m.                    |          | 9 p.m.   |          | 9 a.m.                    |      | 9 p.m. |      |
| September | °811           | 54°3                      | 51°9 | 53°1   | 48°1 | 61°0     | 38°5 | 17th      | 66°4            | 25th      | 370  | 355                       | 363      | 37       | 91       |                           |      | 89     |      |
| October   | °806           | 48°2                      | 47°7 | 48°0   | 42°3 | 54°8     | 32°1 | 8th       | 59°0            | 25th      | 313  | 301                       | 307      | 92       | 90       |                           |      | 91     |      |
| November  | °936           | 44°8                      | 44°5 | 44°7   | 39°7 | 51°4     | 25°2 | 12th      | 61°6            | 9th       | 285  | 275                       | 280      | 94       | 92       |                           |      | 93     |      |
| December  | 29°866         | 34°4                      | 35°9 | 35°2   | 30°6 | 41°7     | 23°2 | 18th      | 51°1            | 8th       | 192  | 205                       | 199      | 95       | 95       |                           |      | 95     |      |
| Year      | 29°934         | —                         | —    | 48°7   | —    | —        | —    | —         | —               | —         | —    | —                         | —        | 303      | —        | —                         | —    | 86     |      |

NOTE:—From September 1st only 2 obs. daily are recorded; the means for the year, therefore, for the data given under separate hours, cannot be obtained.

QUARTERLY WEATHER REPORT.

- CHIGWELL ROW.

Therms. 5 ft. above ground.      Rain gauge 1 ft. 8 ins. above ground.

| 1874.     |   |   | Amount of Cloud. |        |       | Rainfall.     |              |      | Weather.       |       |       |                 |            |           |                               | Wind. |      |    |      |    |      |     |      |       |
|-----------|---|---|------------------|--------|-------|---------------|--------------|------|----------------|-------|-------|-----------------|------------|-----------|-------------------------------|-------|------|----|------|----|------|-----|------|-------|
|           |   |   | 9 a.m.           | 9 p.m. | Mean. | Total.        | Max.         | Day. | No. of Days of |       |       |                 |            |           | No. of Obs. under each Point. |       |      |    |      |    |      |     |      |       |
|           |   |   |                  |        |       |               |              |      | Rain.          | Snow. | Hail. | Thunder Storms. | Clear Sky. | Overcast. | Gales.                        | N.    | N.E. | E. | S.E. | S. | S.W. | W.  | N.W. | Calm. |
| January   | - | - | 8°3              | 6°4    | 7°4   | ins.<br>1°240 | ins.<br>°330 | 19th | 8              | 1     | 1     | 0               | 0          | 14        | 0                             | 20    | 0    | 3  | 4    | 7  | 24   | 19  | 1    | 2     |
| February  | - | - | 8°1              | 5°6    | 6°8   | 0°830         | °560         | 26th | 5              | 1     | 1     | 0               | 0          | 11        | 0                             | 6     | 10   | 2  | 9    | 10 | 7    | 10  | 2    | 0     |
| March     | - | - | 8°9              | 4°4    | 6°8   | 0°550         | °300         | 10th | 3              | 4     | 0     | 0               | 0          | 7         | 0                             | 3     | 7    | 4  | 3    | 3  | 22   | 18  | 2    | 0     |
| April     | - | - | 6°7              | 3°6    | 5°2   | 0°740         | °180         | 2nd  | 7              | 0     | 1     | 0               | 3          | 7         | 0                             | 43    | 2    | 13 | 3    | 6  | 12   | 15  | 4    | 0     |
| May       | - | - | 7°5              | 3°7    | 5°6   | 0°690         | °310         | 23rd | 4              | 0     | 2     | 1               | 0          | 4         | 0                             | 27    | 12   | 5  | 0    | 1  | 7    | 4   | 6    | 0     |
| June      | - | - | 7°2              | 4°9    | 6°1   | 1°550         | °430         | 17th | 6              | 0     | 0     | 0               | 0          | 9         | 0                             | 14    | 13   | 9  | 1    | 4  | 12   | 4   | 3    | 0     |
| July      | - | - | 6°9              | 5°6    | 6°3   | 2°110         | °520         | 28th | 7              | 0     | 0     | 6               | 1          | 4         | 0                             | 6     | 7    | 12 | 2    | 5  | 20   | 8   | 1    | 1     |
| August    | - | - | 6°5              | 5°1    | 5°8   | 0°840         | °290         | 10th | 4              | 0     | 0     | 1               | 2          | 7         | 0                             | 1     | 2    | 7  | 0    | 8  | 29   | 11  | 2    | 2     |
| September | - | - | 8°0              | 4°5    | 6°3   | 2°340         | °750         | 3rd  | 9              | 0     | 0     | 1               | 0          | 10        | 0                             | 2     | 1    | 5  | 5    | 16 | 20   | 3   | 1    | 7     |
| October   | - | - | 8°0              | 4°9    | 6°5   | 3°790         | °740         | 1st  | 12             | 0     | 0     | 1               | 1          | 12        | 0                             | 40    | 0    | 8  | 7    | 12 | 22   | 11  | 0    | 1     |
| November  | - | - | 7°8              | 5°1    | 6°5   | 1°950         | °850         | 28th | 6              | 0     | 0     | 0               | 4          | 10        | 0                             | 11    | 2    | 11 | 2    | 5  | 8    | 9   | 7    | 5     |
| December  | - | - | 7°9              | 6°2    | 7°1   | 1°950         | °700         | 8th  | 9              | 6     | 0     | 0               | 2          | 12        | 0                             | 24    | 7    | 2  | 2    | 0  | 7    | 10  | 6    | 4     |
| Year      | - | - | 7°7              | 5°0    | 6°4   | 18°580        | —            | —    | 80             | 12    | 5     | 12              | 13         | 107       | 0                             | 97    | 63   | 81 | 38   | 77 | 190  | 122 | 35   | 22    |

‡ Wind:—January, 2 obs. lost; April, 2 obs. lost; October, 1 obs. lost.

- DUBLIN.

Therms. 4 ft. above ground.      Rain gauge 3 ft. 4 ins. above ground.

| 1874.     |   |   | Amount of Cloud. |        |       | Rainfall. |       |      | Weather.       |       |       |                 |            |           |                               | Wind. |      |    |      |    |      |     |      |       |
|-----------|---|---|------------------|--------|-------|-----------|-------|------|----------------|-------|-------|-----------------|------------|-----------|-------------------------------|-------|------|----|------|----|------|-----|------|-------|
|           |   |   | 9 a.m.           | 9 p.m. | Mean. | Total.    | Max.  | Day. | No. of Days of |       |       |                 |            |           | No. of Obs. under each Point. |       |      |    |      |    |      |     |      |       |
|           |   |   |                  |        |       |           |       |      | Rain.          | Show. | Hail. | Thunder Storms. | Clear Sky. | Overcast. | Gales.                        | N.    | N.E. | E. | S.E. | S. | S.W. | W.  | N.W. | Calm. |
| January   | - | - | 6'1              | 6'1    | 6'1   | ins.      | ins.  | 15th | 14             | 3     | 2     | 0               | 2          | 10        | 3                             | 0     | 1    | 0  | 1    | 6  | 10   | 37  | 7    | 0     |
| February  | - | - | 5'4              | 5'5    | 5'5   | 2'683     | 1'583 | 25th | 12             | 0     | 1     | 1               | 3          | 7         | 2                             | 0     | 1    | 3  | 6    | 12 | 8    | 14  | 4    | 8     |
| March     | - | - | 5'4              | 4'8    | 5'1   | 0'953     | '404  | 28th | 12             | 1     | 5     | 0               | 9          | 6         | 4                             | 2     | 1    | 3  | 5    | 5  | 7    | 23  | 13   | 3     |
| April     | - | - | 5'4              | 4'4    | 4'9   | 1'315     | '270  | 13th | 16             | 0     | 5     | 0               | 2          | 5         | 2                             | 3     | 1    | 7  | 7    | 2  | 13   | 17  | 5    | 5     |
| May       | - | - | 6'3              | 5'5    | 5'9   | 1'747     | '631  | 28th | 14             | 1     | 4     | 1               | 3          | 7         | 0                             | 10    | 7    | 15 | 3    | 0  | 6    | 6   | 7    | 8     |
| June      | - | - | 5'7              | 3'5    | 4'6   | 0'405     | '209  | 22nd | 9              | 0     | 0     | 2               | 4          | 1         | 0                             | 5     | 15   | 5  | 1    | 5  | 6    | 13  | 7    | 3     |
| July      | - | - | 6'2              | 6'0    | 6'1   | 2'515     | '581  | 22nd | 19             | 0     | 0     | 3               | 0          | 6         | 0                             | 1     | 1    | 10 | 8    | 3  | 12   | 20  | 3    | 4     |
| August    | - | - | 6'3              | 5'5    | 5'9   | 4'946     | 2'482 | 13th | 18             | 0     | 0     | 2               | 1          | 6         | 0                             | 1     | 3    | 6  | 2    | 1  | 9    | 29  | 7    | 4     |
| September | - | - | 5'6              | 5'1    | 5'4   | 1'709     | '555  | 21st | 13             | 0     | 1     | 0               | 0          | 7         | 1                             | 3     | 1    | 1  | 5    | 5  | 20   | 20  | 4    | 1     |
| October   | - | - | 6'0              | 6'0    | 6'0   | 2'508     | '411  | 28th | 22             | 0     | 2     | 0               | 2          | 8         | 3                             | 3     | 3    | 4  | 3    | 6  | 13   | 19  | 10   | 1     |
| November  | - | - | 6'3              | 6'8    | 6'6   | 3'179     | 1'252 | 28th | 19             | 0     | 1     | 0               | 0          | 11        | 1                             | 1     | 0    | 3  | 9    | 4  | 2    | 21  | 10   | 8     |
| December  | - | - | 6'6              | 5'5    | 6'1   | 3'207     | '669  | 29th | 18             | 6     | 9     | 0               | 4          | 11        | 0                             | 5     | 2    | 5  | 5    | 2  | 4    | 29  | 10   | 2     |
| Year      | - | - | 5'9              | 5'4    | 5'7   | 27'186    | —     | —    | 186            | 11    | 30    | 9               | 26         | 85        | 16                            | 34    | 36   | 62 | 55   | 51 | 110  | 248 | 87   | 47    |

- PARSONSTOWN.

Therms. 3 ft. 6 ins. above ground.      Rain gauge 8 ins. above ground.

[illegible]

‡ Mean of 27 obs. only.



## QUARTERLY WEATHER REPORT.

BIRR CASTLE, PARSONSTOWN.

Long. 7° 55' W. Lat. 53° 6' N.

Observers, R. COPELAND, Ph.D., J. MITCHELL, and J. DREYER, M.A., for EARL OF ROSSE. Height of Rain Gauge above ground 8 ins., above M. S. L. 183 ft.

JANUARY 1874.

| JANUARY 1874. |  |        |        |                  |        |       |      |      |                       |        |       |  |        |       |  |        |       |                              |        |       |       |          |        |        |  |  |
|---------------|--|--------|--------|------------------|--------|-------|------|------|-----------------------|--------|-------|--|--------|-------|--|--------|-------|------------------------------|--------|-------|-------|----------|--------|--------|--|--|
| Date.         | Barometer.<br>Reduced to 32° and<br>Sea Level. |        |        | Air Temperature. |        |       |      |      | Tension of<br>Vapour. |        |       | Relative<br>Humidity.<br>(Saturation<br>=100). |        |       | Wind.<br>Direction and Force.<br>Beaufort Scale. |        |       | Amount of<br>Cloud.<br>0-10. |        |       | Rain. | Remarks. |        |        |  |  |
|               | 8 a.m.   | 4 p.m. | Midt.  | 8 a.m.           | 4 p.m. | Midt. | Min. | Max. | 8 a.m.                | 4 p.m. | Midt. | 8 a.m.   | 4 p.m. | Midt. | 8 a.m.   | 4 p.m. | Midt. | 8 a.m.                       | 4 p.m. | Midt. |       |          | 8 a.m. | 4 p.m. | Midt.  |  |
| 1             | ins.   | ins.   | ins.   | 42.1             | 48.8   | 48.9  | 37.6 | 45.0 | ins.                  | ins.   | ins.  | 90   | 88     | 81    | SW   | 0.5    | SSW   | 2-3                          | SW     | 4-5   | 9     | 10       | 10     | ins.   |  |  |
| 2             | 29.054   | 29.827 | 29.679 | 42.1             | 48.8   | 48.9  | 37.6 | 45.0 | 244                   | 305    | 281   | 90   | 88     | 81    | SW   | 0.5    | SSW   | 2-3                          | SW     | 4-5   | 9     | 10       | 10     | .379   |  |  |
| 3             | 29.715   | 29.736 | 29.625 | 41.8             | 40.3   | 36.1  | 41.5 | 53.5 | 222                   | 200    | 203   | 84   | 80     | 95    | SW   | 1-3    | SW    | 2                            | SSE    | 0.5   | 9     | 3        | 10     | .289   |  |  |
| 4             | 29.407   | 29.386 | 29.419 | 33.9             | 36.1   | 32.3  | 32.6 | 44.7 | 191                   | 194    | 198   | 98   | 91     | 97    | SW   | 1      | SW    | 2                            | WSW    | 0.5   | 10    | 9        | 6      | .191   | ✱ 1' 2' 3  |  |
| 5             | 29.660   | 29.779 | 29.951 | 32.9             | 37.0   | 33.9  | 31.0 | 39.1 | 177                   | 177    | 171   | 94   | 81     | 87    | W  | 1      | W     | 2                            | W      | 1     | 5     | 7        | 0      | .032   | ✱ 1  |  |
| 6             | 30.058   | 30.137 | 30.195 | 28.8             | 35.4   | 34.5  | 28.6 | 38.0 | 159                   | 190    | 194   | 100  | 92     | 97    | W  | 0.5    | SW    | 0.5                          | SE     | 0.5   | 3     | 2        | 10     | .031   |  |  |
| 7             | 30.232   | 30.247 | 30.110 | 39.0             | 44.4   | 41.1  | 29.1 | 38.6 | 232                   | 236    | 210   | 98   | 81     | 82    | SE   | 0.5    | SSW   | 1                            | SSW    | 1-3   | 9     | 9        | 9      | .002   | 8 a.m. temp. is higher than max.   |  |
| 8             | 29.876   | 29.605 | 29.546 | 46.1             | 48.8   | 48.9  | 39.9 | 46.9 | 243                   | 325    | 321   | 78   | 94     | 93    | SW   | 2-5    | S     | 4-6                          | SE     | 0.5   | 10    | 10       | 10     | .027   |  |  |
| 9             | 29.452   | 29.315 | 29.477 | 47.4             | 48.8   | 48.9  | 39.9 | 46.9 | 310                   | 304    | 216   | 95   | 90     | 97    | S  | 0.5    | SSE   | 1                            | E      | 0.5   | 9     | 9        | 6      | .008   |  |  |
| 10            | 29.633   | 29.795 | 29.982 | 32.9             | 43.7   | 32.7  | 32.3 | 51.0 | 184                   | 233    | 185   | 98   | 81     | 99    | SE   | 0.5    | SSE   | 0.5                          | SE     | 0.5   | 0     | 3        | 3      | .006   | 2 3  |  |
| 11            | 30.073   | 30.148 | 30.156 | 31.0             | 41.0   | 31.9  | 30.6 | 46.2 | 174                   | 337    | 179   | 100  | 93     | 98    | Calm   | 0      | Calm  | 0                            | SE     | 0.5   | 8     | 1        | 10     | .012   | 2 3  |  |
| 12            | 30.038   | 29.900 | 29.846 | 37.3             | 45.3   | 48.3  | 30.6 | 42.6 | 209                   | 291    | 339   | 94   | 96     | 100   | W  | 0.5    | WSW   | 1-3                          | W      | 1     | 8     | 10       | 10     | .013   | 1 3  |  |
| 13            | 29.919   | 30.001 | 30.090 | 42.7             | 42.8   | 35.5  | 37.0 | 49.5 | 266                   | 255    | 201   | 96   | 93     | 97    | W  | 0.5    | WSW   | 1-3                          | W      | 1     | 8     | 10       | 10     | .012   | 2 2  |  |
| 14            | 30.044   | 29.967 | 29.969 | 39.7             | 39.2   | 45.6  | 34.5 | 45.9 | 203                   | 324    | 278   | 83   | 93     | 91    | SW   | 1      | WSW   | 1                            | W      | 1-2   | 10    | 9        | 8      | —      |  |  |
| 15            | 29.914   | 29.891 | 29.748 | 46.7             | 48.0   | 49.8  | 39.4 | 50.3 | 312                   | 297    | 345   | 98   | 90     | 96    | WSW  | 1      | SW    | 0.5                          | S      | 1-2   | 10    | 5        | 10     | .003   | 2 1  |  |
| 16            | 29.623   | 29.486 | 29.381 | 49.4             | 50.0   | 42.2  | 44.1 | 51.8 | 205                   | 288    | 258   | 85   | 81     | 96    | SW   | 0.5    | SSW   | 2                            | W      | 1     | 10    | 10       | 10     | .491   | 2 1  |  |
| 17            | 29.322   | 29.308 | 29.368 | 37.4             | 34.9   | 32.6  | 37.1 | 52.5 | 215                   | 193    | 175   | 96   | 95     | 94    | WSW  | 1      | SSW   | 1                            | W      | 2-3   | 10    | 8        | 4      | .097   | 2 3  |  |
| 18            | 29.610   | 29.739 | 29.610 | 30.6             | 40.2   | 40.0  | 30.1 | 40.5 | 156                   | 209    | 243   | 91   | 84     | 98    | W  | 0.5    | W     | 0.5                          | SE     | 1     | 1     | 5        | 10     | .342   | 2 3  |  |
| 19            | 29.175   | 29.546 | 29.831 | 46.1             | 45.9   | 39.9  | 41.1 | 49.7 | 204                   | 241    | 223   | 85   | 79     | 91    | WSW  | 1-3    | WSW   | 1-7                          | WSW    | 2-4   | 10    | 5        | 8      | .116   | 3  |  |
| 20            | 29.989   | 30.181 | 30.307 | 38.4             | 48.4   | 45.7  | 38.4 | 50.3 | 224                   | 281    | 258   | 97   | 83     | 85    | WSW  | 0.5    | WSW   | 0.5                          | SE     | 0.5   | 8     | 6        | 0      | .074   | 1 Readings at 8 a.m., & at midt. 18th, both lower than min.  |  |
| 21            | 30.318   | 29.250 | 29.191 | 36.1             | 46.0   | 44.2  | 35.8 | 50.6 | 205                   | 250    | 257   | 96   | 81     | 89    | S  | 0.5    | SW    | 1                            | SE     | 0.5   | 0     | 7        | 10     | —      | 2 3  |  |
| 22            | 29.107   | 29.145 | 29.473 | 44.5             | 40.9   | 35.3  | 50.7 | 30.9 | 277                   | 238    | 255   | 95   | 94     | 94    | SSW  | 1-2    | NW    | 0.5                          | SW     | 0.5   | 10    | 10       | 9      | .242   | Dry bulb reading lessened by 5° C, this alteration was confirmed by a reading of the min. thermometer. |  |
| 23            | 29.278   | 29.439 | 29.524 | 38.6             | 42.9   | 38.2  | 38.3 | 50.4 | 218                   | 198    | 206   | 93   | 72     | 90    | W  | 0.5    | NNW   | 1                            | SW     | 0.5   | 10    | 7        | 9      | 0.007  |  |  |
| 24            | 29.522   | 29.495 | 29.496 | 34.1             | 44.7   | 44.7  | 34.0 | 44.9 | 197                   | 261    | 275   | 100  | 88     | 93    | NW   | 0.5    | W     | 0.5                          | W      | 1     | 7     | 9        | 10     | .007   |  |  |
| 25            | 29.456   | 29.456 | 29.513 | 47.1             | 49.8   | 49.1  | 34.1 | 48.1 | 232                   | 335    | 329   | 99   | 93     | 94    | W  | 1-2    | W     | 1                            | W      | 1     | 10    | 10       | 10     | .011   |  |  |
| 26            | 29.603   | 29.668 | 29.704 | 48.9             | 49.9   | 46.2  | 47.1 | 51.4 | 234                   | 325    | 303   | 100  | 91     | 98    | SW   | 0.5    | NW    | 0.5                          | W      | 0.5   | 10    | 9        | 10     | .003   |  |  |
| 27            | 29.667   | 29.586 | 29.521 | 44.7             | 45.9   | 42.0  | 45.3 | 51.6 | 257                   | 256    | 231   | 87   | 84     | 84    | W  | 0.5    | WNW   | 0.5                          | E      | 0.5   | 10    | 10       | 10     | —      | Reading at 8 a.m. is below min.  |  |
| 28            | 29.384   | 29.285 | 29.417 | 41.7             | 47.4   | 41.7  | 40.1 | 47.0 | 234                   | 303    | 245   | 89   | 93     | 93    | ESE  | 0.5    | SW    | 1                            | NW     | 0.5   | 10    | 8        | 9      | .028   |  |  |
| 29            | 29.554   | 29.629 | 29.671 | 39.3             | 43.8   | 41.4  | 39.2 | 49.3 | 207                   | 222    | 227   | 87   | 77     | 88    | W  | 0.5    | WNW   | 1                            | NW     | 0.5   | 4     | 1        | 10     | —      | 1 U 3  |  |
| 30            | 30.631   | 30.604 | 30.589 | 42.2             | 45.1   | 42.0  | 37.5 | 47.6 | 237                   | 244    | 231   | 88   | 82     | 87    | W  | 0.5    | Calm  | 0                            | Calm   | 0     | 10    | 10       | 10     | —      |  |  |
| Mean          | 29.974   | 29.984 | 29.998 | 40.5             | 44.2   | 41.2  | 36.9 | 47.9 | 239                   | 257    | 243   | 93   | 87     | 92    | 0.9  | 1.3    | 1.0   | 7.8                          | 7.3    | 8.1   | 2.743 |          |        |        |  |  |

## FEBRUARY.

| FEBRUARY. |  |        |        |                  |        |       |      |                       |        |        |  |        |        |  |        |        |                              |        |        |       |          |       |    |       |       |     |
|-----------|--|--------|--------|------------------|--------|-------|------|-----------------------|--------|--------|--|--------|--------|--|--------|--------|------------------------------|--------|--------|-------|----------|-------|----|-------|-------|-----|
| Date.     | Barometer.<br>Reduced to 32° and<br>Sea Level. |        |        | Air Temperature. |        |       |      | Tension of<br>Vapour. |        |        | Relative<br>Humidity.<br>(Saturation<br>=100). |        |        | Wind.<br>Direction and Force.<br>Beaufort Scale. |        |        | Amount of<br>Cloud.<br>0-10. |        |        | Rain. | Remarks. |       |    |       |       |     |
|           | 8 a.m.   | 4 p.m. | Midt.  | 8 a.m.           | 4 p.m. | Midt. | Min. | Max.                  | 8 a.m. | 4 p.m. | Midt.  | 8 a.m. | 4 p.m. | Midt.  | 8 a.m. | 4 p.m. | Midt.                        | 8 a.m. | 4 p.m. |       |          | Midt. |    |       |       |     |
| 1         | 30.545   | 30.461 | 30.398 | 40.2             | 42.7   | 43.4  | 40.1 | 46.4                  | 22.4   | 24.8   | 25.9   | 90     | 90     | 92   | SE     | 0.5    | E                            | 0.5    | W      | 0.5   | 10       | 10    | 9  | —     | ☁ 1   |     |
| 2         | 30.338   | 30.304 | 30.337 | 43.4             | 47.6   | 41.4  | 40.1 | 44.5                  | 23.6   | 27.0   | 24.8   | 83     | 83     | 95   | SW     | 0.5    | SW                           | 0.5    | SE     | 0.5   | 9        | 10    | 2  | 0.007 | ☁ 2   |     |
| 3         | 30.388   | 30.465 | 30.548 | 40.6             | 49.3   | 40.5  | 40.3 | 49.6                  | 24.4   | 28.1   | 24.3   | 97     | 80     | 97   | S      | 0.5    | SE                           | 0.5    | SE     | 0.5   | 10       | 7     | 1  | —     | ☁ 2   |     |
| 4         | 30.560   | 30.546 | 30.547 | 41.6             | 46.0   | 36.7  | 39.1 | 51.6                  | 24.8   | 25.7   | 21.0   | 94     | 83     | 97   | SSW    | 1      | SE                           | 1      | SE     | 1-2   | 9        | 5     | 0  | 0.003 | ☁ 2   |     |
| 5         | 30.518   | 30.472 | 30.463 | 39.9             | 44.3   | 37.0  | 36.3 | 50.5                  | 21.9   | 23.9   | 20.0   | 90     | 78     | 91   | SE     | 0.5    | SSE                          | 1      | SE     | 0.5   | 7        | 7     | 7  | 0.002 | ☁ 2   |     |
| 6         | 30.402   | 30.357 | 30.372 | 32.1             | 44.7   | 40.1  | 30.1 | 48.6                  | 14.4   | 23.2   | 24.0   | 79     | 79     | 97   | SE     | 1      | SE                           | 1      | Calm   | 0     | 1        | 0     | 10 | 0     | —     | ☁ 1 |
| 7         | 30.325   | 30.289 | 30.264 | 41.7             | 48.5   | 44.3  | 32.0 | 46.4                  | 24.5   | 28.1   | 24.7   | 93     | 83     | 84   | SSE    | 0.5    | SW                           | 0.5    | SW     | 0.5   | 10       | 9     | 10 | —     | ☁ 1   |     |
| 8         | 30.239   | 30.296 | 30.354 | 44.5             | 41.9   | 34.3  | 41.0 | 50.3                  | 27.7   | 21.5   | 17.4   | 95     | 82     | 87   | W      | 0.5    | NE                           | 1-2    | Calm   | 0     | 10       | 7     | 2  | 0.030 | ☁ 2   |     |
| 9         | 30.336   | 30.298 | 30.313 | 40.7             | 40.0   | 35.1  | 25.6 | 47.2                  | 13.5   | 17.0   | 16.3   | 93     | 68     | 79   | Calm   | 0      | SE                           | 0.5    | E      | 0.5   | 0        | 3     | 9  | 0.003 | ☁ 2   |     |
| 10        | 30.281   | 30.225 | 30.127 | 33.8             | 39.1   | 36.7  | 25.9 | 43.6                  | 13.6   | 17.0   | 15.7   | 70     | 72     | 72   | ESE    | 1-2    | SE                           | 5      | SE     | 4-7   | 6        | 10    | 10 | —     | ☁ 2   |     |
| 11        | 29.918   | 29.913 | 29.908 | 37.1             | 39.5   | 37.3  | 33.3 | 40.7                  | 17.1   | 19.2   | 18.4   | 77     | 79     | 83   | SSW    | 6-7    | SSE                          | 3-6    | SE     | 1-2   | 10       | 10    | 10 | 0.069 | ☁ 2   |     |
| 12        | 29.890   | 29.885 | 29.826 | 36.4             | 42.4   | 36.6  | 35.3 | 40.5                  | 20.2   | 23.7   | 20.9   | 94     | 88     | 97   | SE     | 0.5    | SW                           | 0.5    | SE     | 0.5   | 10       | 10    | 0  | 0.115 | ☁ 2   |     |
| 13        | 29.578   | 29.581 | 29.427 | 45.6             | 48.0   | 48.0  | 36.0 | 46.4                  | 28.2   | 27.2   | 28.3   | 93     | 72     | 85   | ESE    | 1-2    | SW                           | 2-4    | SSE    | 4-6   | 10       | 7     | 10 | 0.053 | ☁ 2   |     |
| 14        | 29.306   | 29.181 | 29.122 | 44.2             | 48.0   | 41.5  | 43.2 | 53.8                  | 28.3   | 23.7   | 21.1   | 85     | 91     | 91   | SW     | 1      | SSW                          | 0.5    | SE     | 0.5   | 4        | 8     | 6  | 0.095 | ☁ 2   |     |
| 15        | 29.119   | 29.165 | 29.414 | 36.0             | 44.5   | 40.5  | 35.3 | 52.6                  | 20.8   | 27.7   | 23.7   | 98     | 95     | 94   | SW     | 0.5    | Calm                         | 0      | W      | 0.5   | 7        | 10    | 5  | 0.133 | ☁ 2   |     |
| 16        | 29.428   | 29.428 | 29.427 | 35.1             | 46.2   | 41.5  | 34.1 | 46.5                  | 20.3   | 23.8   | 24.3   | 99     | 77     | 93   | WSW    | 1      | WSW                          | 1      | SW     | 0.5   | 3        | 9     | 10 | 0.088 | ☁ 2   |     |
| 17        | 29.337   | 29.384 | 29.483 | 34.1             | 38.1   | 34.9  | 32.4 | 39.9                  | 18.5   | 19.8   | 19.1   | 94     | 86     | 94   | WSW    | 1-2    | WSW                          | 1      | WSW    | 1     | 3        | 2     | 1  | 0.021 | ☁ 2   |     |
| 18        | 29.654   | 29.859 | 30.021 | 31.6             | 41.4   | 32.5  | 31.3 | 43.0                  | 16.9   | 21.2   | 17.5   | 95     | 82     | 95   | SW     | 1      | NW                           | 0.5    | W      | 0.5   | 2        | 3     | 9  | 0.070 | ☁ 2   |     |
| 19        | 30.094   | 30.088 | 30.089 | 34.6             | 47.4   | 43.9  | 31.3 | 46.7                  | 19.7   | 25.8   | 27.8   | 98     | 79     | 97   | SW     | 0.5    | SW                           | 0.5    | S      | 0.5   | 9        | 7     | 10 | 0.025 | ☁ 2   |     |
| 20        | 30.029   | 29.047 | 29.071 | 46.6             | 53.4   | 49.4  | 34.1 | 48.6                  | 30.6   | 30.5   | 31.5   | 97     | 89     | 89   | SSW    | 0.5    | SSW                          | 0.5    | SE     | 2-3   | 10       | 10    | 10 | 0.027 | ☁ 2   |     |
| 21        | 29.773   | 29.828 | 29.916 | 47.2             | 48.8   | 33.9  | 45.1 | 55.4                  | 31.3   | 25.3   | 18.9   | 97     | 73     | 97   | SW     | 0.5    | NW                           | 1      | Calm   | 0     | 10       | 6     | 0  | 0.072 | ☁ 2   |     |
| 22        | 29.717   | 29.800 | 29.885 | 31.0             | 46.7   | 35.2  | 30.0 | 51.0                  | 17.4   | 21.4   | 19.2   | 100    | 68     | 93   | Calm   | 0      | NW                           | 1      | Calm   | 0     | 1        | 1     | 3  | 3     | 0.053 | ☁ 2 |
| 23        | 29.857   | 29.824 | 29.833 | 39.5             | 44.5   | 44.5  | 29.9 | 49.0                  | 23.8   | 27.7   | 27.7   | 98     | 77     | 95   | SW     | 0.5    | SW                           | 0.5    | SE     | 1     | 9        | 8     | 9  | 0.002 | ☁ 2   |     |
| 24        | 29.821   | 29.747 | 29.631 | 45.5             | 48.8   | 44.4  | 39.1 | 50.6                  | 28.2   | 25.7   | 22.2   | 93     | 74     | 76   | SSW    | 1-2    | SSE                          | 4      | SE     | 4-6   | 7        | 10    | 9  | 0.009 | ☁ 2   |     |
| 25        | 29.396   | 29.135 | 28.805 | 44.7             | 46.7   | 44.5  | 43.3 | 52.8                  | 24.9   | 27.5   | 24.5   | 84     | 87     | 83   | ESE    | 2-6    | ESE                          | 3-5    | SE     | 5-8   | 6        | 7     | 10 | 0.633 | ☁ 2   |     |
| 26        | 28.616   | 28.665 | 28.709 | 41.1             | 45.4   | 38.1  | 40.6 | 47.6                  | 23.8   | 21.1   | 19.6   | 93     | 70     | 85   | SE     | 0.5    | SW                           | 2-5    | SE     | 1     | 7        | 10    | 1  | 0.057 | ☁ 2   |     |
| 27        | 28.774   | 29.203 | 29.661 | 40.1             | 45.3   | 34.1  | 36.6 | 48.8                  | 22.7   | 20.0   | 17.7   | 92     | 70     | 89   | SSW    | 1      | SW                           | 1-2    | SE     | 0.5   | 10       | 5     | 0  | 0.019 | ☁ 2   |     |
| 28        | 29.773   | 29.541 | 29.484 | 34.3             | 41.9   | 43.1  | 32.0 | 49.0                  | 17.6   | 23.4   | 25.0   | 88     | 80     | 89   | SSE    | 1-2    | SSE                          | 3-6    | S      | 2-3   | 3        | 10    | 6  | 0.057 | ☁ 2   |     |
| Mean      | 29.869   | 29.858 | 29.859 | 38.9             | 45.3   | 39.8  | 35.5 | 47.9                  | 22.1   | 24.3   | 22.3   | 92     | 80     | 90   | 1.1    | 1.6    | 1.4                          | 6.9    | 7.3    | 6.0   | 1.633    |       |    |       |       | ☁ 2 |

Readings at 4 p.m. & midt., 16th, are higher than max.

☁ 2<sup>1</sup> Midt. readings taken at 1.45 a.m., 22nd.

Midt. "Bar. falling momentarily 0.14 in. during the heavier gusts.



## QUARTERLY WEATHER REPORT.

MAY.

| Date. | Barometer.<br>Reduced to 32° and<br>Sea Level. |        |        | Air Temperature. |        |       |      |      | Tension of<br>Vapour. |        |       | Relative<br>Humidity.<br>(Saturation<br>=100). |        |       | Wind.<br>Direction and Force.<br>Beaufort Scale. |        |       | Amount of<br>Cloud.<br>0-10. |        |       | Rain.  | Remarks. |
|-------|--|--------|--------|------------------|--------|-------|------|------|-----------------------|--------|-------|--|--------|-------|--|--------|-------|------------------------------|--------|-------|--------|----------|
|       | 8 a.m.   | 4 p.m. | Midt.  | 8 a.m.           | 4 p.m. | Midt. | Min. | Max. | 8 a.m.                | 4 p.m. | Midt. | 8 a.m.   | 4 p.m. | Midt. | 8 a.m.   | 4 p.m. | Midt. | 8 a.m.                       | 4 p.m. | Midt. | 8 a.m. |          |
| 1     | ins.   | ins.   | ins.   | 47.9             | 64.7   | 47.3  | 35.7 | 66.5 | ins.                  | ins.   | ins.  | 80   | 80     | 80    | Calm   | SE     | 1     | 0                            | 1      | 6     | ins.   | 2        |
| 2     | 30.000   | 29.995 | 30.005 | 47.9             | 64.7   | 47.3  | 35.7 | 66.5 | 28.4                  | 32.4   | 24.8  | 80   | 80     | 80    | ESE  | 0.5    | SE    | 0.5                          | E      | 1     | 0      | 2        |
| 3     | 30.120   | 30.095 | 30.084 | 50.6             | 50.6   | 42.7  | 40.3 | 67.9 | 28.0                  | 26.3   | 22.0  | 76   | 57     | 81    | ESE  | 0.5    | SE    | 0.5                          | E      | 1     | 0      | 2        |
| 4     | 29.992   | 29.876 | 29.920 | 44.9             | 50.0   | 43.1  | 34.8 | 60.7 | 23.2                  | 27.1   | 24.6  | 78   | 76     | 88    | Calm   | 0      | NW    | 1                            | NW     | 0.5   | 7      | 1        |
| 5     | 30.000   | 30.014 | 30.109 | 46.9             | 53.3   | 43.5  | 35.9 | 57.1 | 23.8                  | 24.5   | 22.5  | 75   | 61     | 80    | E  | 1      | NNW   | 0.5                          | NW     | 0.5   | 6      | 8        |
| 6     | 30.122   | 30.093 | 30.037 | 47.5             | 49.6   | 45.3  | 38.0 | 54.8 | 23.5                  | 25.5   | 27.9  | 72   | 72     | 92    | NW   | 1-2    | NW    | 1                            | W      | 0.5   | 2      | 10       |
| 7     | 29.918   | 29.861 | 29.894 | 47.0             | 50.6   | 36.9  | 42.5 | 52.7 | 26.6                  | 23.1   | 19.9  | 83   | 63     | 91    | W  | 1      | NW    | 2                            | NNW    | 1     | 10     | 9        |
| 8     | 88.0   | 86.6   | 87.1   | 44.7             | 45.5   | 35.7  | 34.0 | 54.9 | 23.4                  | 24.3   | 19.4  | 79   | 80     | 93    | WNW  | 1-2    | NW    | 1                            | WNW    | 1-2   | 6      | 7        |
| 9     | 83.8   | 78.0   | 81.6   | 44.4             | 51.9   | 34.4  | 30.8 | 53.0 | 22.6                  | 20.8   | 18.5  | 77   | 53     | 93    | NW   | 1      | NW    | 1                            | NW     | 0.5   | 5      | 1        |
| 10    | 82.6   | 84.4   | 81.1   | 50.3             | 33.9   | 28.9  | 55.4 |      | 22.0                  | 20.6   | 18.1  | 85   | 57     | 92    | NNW  | 0.5    | NNW   | 0.5                          | NE     | 0.5   | 1      | 6        |
| 11    | 29.995   | 29.970 | 30.032 | 43.3             | 54.3   | 43.5  | 28.3 | 52.6 | 22.9                  | 23.5   | 23.5  | 81   | 56     | 83    | Calm   | 0      | NW    | 0.5                          | NE     | 0.5   | 0      | 9        |
| 12    | 30.074   | 30.113 | 30.02  | 50.3             | 56.7   | 38.1  | 34.7 | 50.4 | 25.8                  | 24.4   | 19.3  | 71   | 53     | 84    | ESE  | 0.5    | SE    | 0.5                          | NE     | 0.5   | 0      | 8        |
| 13    | 23.8   | 24.0   | 34.4   | 50.6             | 56.8   | 40.8  | 31.2 | 61.5 | 25.3                  | 24.1   | 21.3  | 69   | 53     | 84    | ENE  | 0.5    | E     | 1                            | Calm   | 0     | 2      | 6        |
| 14    | 35.2   | 29.5   | 41.3   | 45.6             | 60.9   | 44.6  | 39.2 | 60.7 | 25.4                  | 38.2   | 27.6  | 83   | 71     | 94    | SE   | 0.5    | WSW   | 1                            | SSW    | 0.5   | 10     | 8        |
| 15    | 41.8   | 33.0   | 25.9   | 50.2             | 58.1   | 54.0  | 43.0 | 62.9 | 20.5                  | 30.6   | 40.9  | 57   | 63     | 98    | SW   | 0.5    | SW    | 0.5                          | WSW    | 1-3   | 1      | 10       |
| 16    | 26.0   | 30.1   | 34.1   | 52.5             | 57.1   | 48.3  | 50.2 | 61.5 | 37.3                  | 29.9   | 26.9  | 95   | 64     | 80    | WNW  | 1      | SE    | 0.5                          | Calm   | 0     | 10     | 10       |
| 17    | 32.4   | 30.0   | 30.3   | 46.5             | 54.8   | 50.2  | 44.9 | 58.8 | 29.5                  | 37.2   | 34.0  | 94   | 87     | 94    | SW   | 0.5    | SSW   | 0.5                          | SE     | 0.5   | 10     | 10       |
| 18    | 29.9   | 27.9   | 30.1   | 51.8             | 61.2   | 46.9  | 46.2 | 50.1 | 36.4                  | 34.4   | 29.4  | 94   | 64     | 93    | SSW  | 1-2    | E     | 0.5                          | ESE    | 0.5   | 10     | 9        |
| 19    | 29.6   | 26.3   | 29.9   | 55.6             | 65.4   | 54.0  | 44.8 | 62.5 | 30.7                  | 32.5   | 38.2  | 69   | 51     | 92    | Calm   | 0      | Calm  | 0                            | SE     | 0.5   | 0      | 2        |
| 20    | 29.7   | 23.6   | 26.7   | 56.8             | 62.2   | 46.2  | 53.5 | 67.1 | 35.4                  | 31.7   | 26.1  | 76   | 57     | 84    | SE   | 0.5    | NE    | 0.5                          | NE     | 0.5   | 5      | 9        |
| 21    | 23.4   | 30.155 | 30.123 | 50.2             | 58.5   | 43.2  | 40.8 | 67.2 | 31.2                  | 28.8   | 25.5  | 86   | 58     | 91    | E  | 0.5    | SE    | 0.5                          | NE     | 0.5   | 9      | 3        |
| 22    | 30.005   | 29.975 | 29.775 | 48.8             | 62.3   | 48.1  | 38.3 | 61.4 | 28.5                  | 34.2   | 29.4  | 82   | 60     | 88    | ESE  | 0.5    | NE    | 1                            | ENE    | 0.5   | 10     | 2        |
| 23    | 29.672   | 29.81  | 29.80  | 49.8             | 50.4   | 52.0  | 46.2 | 63.6 | 32.2                  | 35.1   | 37.5  | 90   | 96     | 97    | SE   | 1      | SE    | 0.5                          | SE     | 0.5   | 10     | 10       |
| 24    | 37.6   | 53.4   | 56.8   | 56.5             | 64.9   | 50.9  | 49.3 | 57.3 | 42.4                  | 39.0   | 34.9  | 93   | 63     | 94    | SSE  | 0.5    | Calm  | 0                            | Calm   | 0     | 9      | 8        |
| 25    | 60.4   | 64.1   | 29.780 | 52.8             | 60.1   | 52.8  | 46.8 | 65.9 | 39.2                  | 39.7   | 36.9  | 98   | 76     | 93    | Calm   | 0      | NE    | 0.5                          | W      | 0.5   | 10     | 10       |
| 26    | 29.872   | 29.932 | 30.020 | 52.6             | 55.8   | 51.5  | 51.2 | 61.8 | 38.0                  | 37.5   | 35.5  | 95   | 85     | 93    | NW   | 1      | NW    | 1                            | WNW    | 0.5   | 10     | 10       |
| 27    | 30.066   | 30.060 | 30.092 | 50.5             | 60.7   | 53.3  | 48.7 | 58.8 | 33.2                  | 33.5   | 36.7  | 91   | 63     | 91    | W  | 1      | NW    | 1                            | SW     | 0.5   | 10     | 8        |
| 28    | 30.044   | 29.881 | 29.902 | 52.8             | 61.9   | 51.9  | 47.0 | 64.2 | 35.8                  | 33.8   | 35.2  | 90   | 61     | 91    | SSW  | 0.5    | SW    | 1-2                          | W      | 1     | 10     | 9        |
| 29    | 29.938   | 29.950 | 29.910 | 50.6             | 53.2   | 49.5  | 50.4 | 64.1 | 34.3                  | 34.4   | 34.0  | 93   | 85     | 98    | WSW  | 0.5    | WNW   | 0.5                          | NW     | 0.5   | 10     | 10       |
| 30    | 84.0   | 71.5   | 68.5   | 56.2             | 59.7   | 51.9  | 49.3 | 57.0 | 42.8                  | 38.6   | 31.1  | 95   | 76     | 81    | SW   | 1      | S     | 2                            | W      | 2     | 10     | 10       |
| 31    | 69.0   | 71.3   | 76.8   | 54.2             | 61.2   | 55.0  | 49.3 | 65.2 | 34.8                  | 36.9   | 35.9  | 82   | 69     | 83    | SE   | 1-2    | SSW   | 2                            | SSW    | 1     | 10     | 9        |
| Mean  | 30.016   | 29.983 | 30.019 | 50.1             | 57.1   | 46.5  | 42.2 | 60.4 | 30.4                  | 31.2   | 28.9  | 83   | 67     | 89    | 0.7  | 0.9    | 0.6   | 6.5                          | 7.7    | 6.2   | 2.283  |          |

JUNE.

|      |         |         |         |      |      |      |      |      |      |      |      |    |    |    |      |     |      |     |      |     |     |     |       |      |
|------|---------|---------|---------|------|------|------|------|------|------|------|------|----|----|----|------|-----|------|-----|------|-----|-----|-----|-------|------|
| 1    | 29°8'40 | 29°8'21 | 29°7'82 | 59°8 | 64°0 | 57°3 | 51°9 | 67°0 | 45°0 | 41°1 | 41°0 | 88 | 69 | 87 | ESE  | 1   | SSW  | 2   | SE   | 2-3 | 10  | 8   | 10    | °033 |
| 2    | 29°8'11 | 29°8'37 | 29°9'95 | 55°8 | 62°9 | 51°3 | 53°5 | 67°7 | 37°0 | 31°7 | 35°2 | 84 | 55 | 93 | W    | 1-2 | WSW  | 1   | SW   | 0°5 | 10  | 5   | 10    | °123 |
| 3    | 30°1'21 | 30°2'38 | 30°3'34 | 53°0 | 66°0 | 52°0 | 46°7 | 65°7 | 36°3 | 33°5 | 33°8 | 90 | 52 | 87 | Calm | 0   | Calm | 0   | NW   | 0°5 | 8   | 5   | 6     | —    |
| 4    | 35°8    | 34°6    | 38°7    | 60°2 | 70°3 | 57°4 | 51°8 | 66°7 | 43°2 | 48°2 | 43°2 | 83 | 65 | 91 | W    | 1   | W    | 1   | WSW  | 1   | 10  | 7   | 9     | °007 |
| 5    | 35°9    | 27°0    | 26°0    | 54°3 | 61°2 | 49°6 | 52°4 | 73°0 | 37°6 | 36°1 | 31°4 | 89 | 67 | 89 | SW   | 0°5 | SSW  | 0°5 | W    | 1   | 10  | 10  | 0     | °004 |
| 6    | 25°4    | 24°9    | 26°0    | 53°0 | 60°2 | 49°6 | 44°9 | 64°4 | 33°0 | 31°9 | 31°4 | 82 | 61 | 89 | W    | 1-2 | NNW  | 1   | SE   | 0°5 | 5   | 5   | 1     | —    |
| 7    | 25°0    | 23°5    | 28°4    | 54°5 | 61°7 | 48°4 | 41°9 | 63°8 | 31°8 | 36°5 | 32°2 | 75 | 67 | 95 | SSE  | 0°5 | SW   | 0°5 | Calm | 0   | 10  | 1   | —     | —    |
| 8    | 28°9    | 23°9    | 26°0    | 55°0 | 67°2 | 56°9 | 45°8 | 65°2 | 36°7 | 42°2 | 40°9 | 85 | 63 | 88 | WNW  | 1   | W    | 1   | W    | 0°5 | 7   | 2   | 9     | —    |
| 9    | 23°0    | 15°4    | 15°6    | 59°1 | 64°2 | 56°3 | 52°9 | 68°5 | 40°6 | 44°6 | 43°9 | 82 | 74 | 97 | WNW  | 1-2 | WNW  | 1-3 | W    | 1-3 | 8   | 9   | 10    | °005 |
| 10   | 24°5    | 30°8    | 33°7    | 55°4 | 62°2 | 54°1 | 51°0 | 69°0 | 32°4 | 31°0 | 35°1 | 74 | 55 | 84 | WNW  | 1-2 | NNW  | 2   | WNW  | 1   | 9   | 4   | 9     | —    |
| 11   | 23°7    | 24°0    | 39°1    | 58°0 | 64°7 | 46°1 | 53°3 | 64°0 | 44°5 | 36°9 | 25°4 | 92 | 60 | 82 | W    | 1   | NNW  | 2   | N    | 0°5 | 10  | 7   | 0     | °001 |
| 12   | 48°4    | 46°1    | 50°5    | 49°1 | 61°6 | 42°8 | 39°0 | 67°0 | 24°2 | 25°0 | 21°3 | 69 | 46 | 78 | NNW  | 1   | NNE  | 0°5 | NE   | 0°5 | 0   | 1   | 0     | —    |
| 13   | 49°3    | 43°8    | 48°3    | 51°0 | 64°8 | 47°9 | 34°9 | 62°8 | 28°5 | 30°7 | 22°3 | 76 | 50 | 68 | E    | 1   | SE   | 1   | ENE  | 0°5 | 0   | 5   | 2     | —    |
| 14   | 51°2    | 50°1    | 61°1    | 56°7 | 67°3 | 45°8 | 34°9 | 66°8 | 28°7 | 34°1 | 26°3 | 62 | 51 | 86 | NE   | 0°5 | SE   | 1   | NNE  | 0°5 | 2   | 1   | 0     | —    |
| 15   | 64°2    | 61°4    | 60°0    | 58°1 | 69°0 | 51°6 | 39°9 | 68°5 | 33°1 | 39°2 | 34°3 | 69 | 55 | 90 | E    | 0°5 | ESE  | 1   | NNE  | 0°5 | 0   | 4   | 0     | —    |
| 16   | 53°6    | 39°9    | 39°5    | 55°8 | 71°0 | 50°8 | 43°9 | 70°5 | 36°5 | 36°9 | 32°5 | 82 | 48 | 87 | E    | 0°5 | NNE  | 1-2 | SSW  | 0°5 | 9   | 0   | 0     | —    |
| 17   | 32°4    | 27°1    | 35°2    | 60°8 | 72°9 | 54°8 | 44°5 | 72°2 | 36°3 | 36°2 | 33°2 | 68 | 45 | 76 | NNE  | 2-3 | E    | 1-2 | SE   | 0°5 | 0   | 0   | 0     | —    |
| 18   | 37°7    | 31°4    | 30°6    | 59°4 | 74°4 | 55°0 | 47°2 | 74°2 | 36°3 | 39°1 | 35°7 | 72 | 46 | 83 | NE   | 0°5 | E    | 0°5 | NW   | 1   | 0   | 4   | 1     | —    |
| 19   | 38°7    | 34°0    | 31      | 54   | 62°0 | 56°7 | 47°0 | 76°0 | 34°4 | 37°7 | 36°3 | 81 | 68 | 79 | NNW  | 0°5 | NW   | 0°5 | NNE  | 1   | 9   | 10  | 10    | —    |
| 20   | 28°1    | 30°155  | 30°120  | 52°8 | 69°2 | 52°2 | 51°9 | 65°4 | 32°8 | 40°8 | 35°3 | 82 | 57 | 90 | NE   | 0°5 | WNW  | 0°5 | NNW  | 0°5 | 10  | 1   | 8     | —    |
| 21   | 30°058  | 29°985  | 29°978  | 55°7 | 61°7 | 50°7 | 48°8 | 70°8 | 37°3 | 33°0 | 32°6 | 85 | 60 | 88 | WNW  | 0°5 | W    | 0°5 | NNE  | 0°5 | 9   | 10  | 8     | —    |
| 22   | 29°962  | 29°910  | 28°23   | 58°2 | 57°9 | 55°8 | 45°7 | 65°2 | 34°0 | 39°7 | 38°8 | 70 | 82 | 88 | W    | 0°5 | SW   | 0°5 | SW   | 1   | 5   | 10  | 10    | °246 |
| 23   | 67°7    | 70°6    | 72°3    | 58°8 | 55°8 | 46°9 | 57°0 | 65°1 | 39°4 | 37°0 | 31°2 | 79 | 84 | 98 | SW   | 0°5 | SSW  | 0°5 | SSE  | 0°5 | 7   | 8   | 1     | °501 |
| 24   | 67°7    | 61°5    | 79°9    | 55°1 | 52°8 | 48°8 | 44°4 | 62°8 | 34°1 | 38°3 | 31°7 | 79 | 96 | 92 | WSW  | 1   | SW   | 0°5 | WSW  | 1   | 7   | 9   | 1     | °423 |
| 25   | 80°1    | 72°1    | 70°4    | 53°1 | 62°2 | 47°5 | 45°0 | 59°5 | 37°9 | 39°2 | 32°4 | 94 | 70 | 99 | W    | 0°5 | WNW  | 0°5 | NE   | 0°5 | 9   | 6   | 1     | °111 |
| 26   | 69°8    | 69°2    | 71°2    | 54°0 | 64°7 | 52°5 | 43°0 | 64°2 | 38°2 | 35°5 | 36°2 | 92 | 58 | 92 | NNE  | 0°5 | NW   | 1   | NW   | 0°5 | 6   | 6   | 5     | —    |
| 27   | 78°2    | 72°5    | 77°6    | 54°7 | 65°2 | 51°2 | 50°4 | 67°8 | 32°1 | 32°9 | 33°8 | 75 | 52 | 90 | NNW  | 1   | NW   | 1-2 | NNE  | 0°5 | 9   | 5   | 6     | —    |
| 28   | 79°5    | 7       | 85°9    | 57°2 | 63°8 | 52°8 | 45°8 | 66°2 | 35°2 | 32°8 | 35°0 | 75 | 56 | 88 | Calm | 0   | NW   | 0°5 | SW   | 0°5 | 4   | 5   | 7     | —    |
| 29   | 84°8    | 8       | 89°9    | 56°2 | 66°3 | 56°9 | 48°0 | 66°8 | 36°7 | 38°6 | 42°7 | 81 | 60 | 93 | NE   | 0°5 | SE   | 0°5 | SE   | 0°5 | 6   | 4   | 10    | °225 |
| 30   | 29°8'19 | 29°7'67 | 29°8'48 | 61°2 | 64°9 | 58°3 | 54°9 | 68°0 | 50°0 | 44°8 | 40°9 | 93 | 73 | 84 | Calm | 0   | W    | 1-3 | WSW  | 1   | 10  | 8   | 8     | °186 |
| Mean | 30°138  | 30°107  | 30°145  | 56°0 | 64°4 | 51°9 | 47°1 | 67°2 | 36°1 | 36°8 | 34°4 | 80 | 62 | 88 | 0°8  |     | 1°0  |     | 0°7  | 6.3 | 5'6 | 4'8 | 1'865 |      |



## QUARTERLY WEATHER REPORT.

## SEPTEMBER.

| Date. | Barometer.<br>Reduced to 32°<br>and Sea Level. |        | Air Temperature. |        |      |      | Tension of<br>Vapour. |        | Relative<br>Humidity.<br>(Saturation<br>=100). |        | Wind.<br>Direction and Force.<br>Beaufort Scale. |         | Amount of<br>Cloud.<br>0-10. |        | Rain. | Remarks. |
|-------|--|--------|------------------|--------|------|------|-----------------------|--------|--|--------|--|---------|------------------------------|--------|-------|----------|
|       | 9 a.m.   | 9 p.m. | 9 a.m.           | 9 p.m. | Min. | Max. | 9 a.m.                | 9 p.m. | 9 a.m.   | 9 p.m. | 9 a.m.   | 9 p.m.  | 9 a.m.                       | 9 p.m. |       |          |
| 1     | ins.   | ins.   | 56.2             | 52.8   | 52.5 | 65.0 | ins.                  | ins.   | 75   | 89     | WSW 1  | NW 0.5  | 6                            | 2      | ins.  | 2        |
| 2     | 29.394   | 29.537 | 57.5             | 53.0   | 51.4 | 63.8 | 340                   | 354    | 75   | 85     | WSW 1-3  | ENE 1   | 4                            | 0      | 1.41  | 1        |
| 3     | 29.729   | 29.827 | 57.2             | 50.6   | 47.8 | 62.8 | 347                   | 322    | 74   | 88     | W 1-2  | WSW 1   | 3                            | 6      | 0.46  | 1        |
| 4     | 29.858   | 30.056 | 53.6             | 52.4   | 49.1 | 60.5 | 335                   | 348    | 81   | 89     | SW 1   | WNW 0.5 | 10                           | 9      | 0.056 | 1        |
| 5     | 30.056   | 29.935 | 52.3             | 52.9   | 51.1 | 57.1 | 331                   | 354    | 84   | 89     | NW 0.5   | Calm 0  | 10                           | 10     | 1.80  | 1        |
| 6     | 29.878   | 29.966 | 56.8             | 55.0   | 51.5 | 62.1 | 402                   | 400    | 87   | 92     | W 1  | W 0.5   | 10                           | 10     | 0.05  | 1        |
| 7     | 29.955   | 29.938 | 55.0             | 51.1   | 50.6 | 62.8 | 403                   | 347    | 93   | 92     | WSW 1  | WSW 0.5 | 10                           | 10     | 0.087 | 1        |
| 8     | 29.876   | 29.539 | 54.1             | 54.9   | 48.5 | 59.8 | 356                   | 400    | 85   | 92     | SW 0.5   | W 0.5   | 10                           | 10     | 2.38  | 1        |
| 9     | 29.424   | 29.342 | 51.0             | 46.8   | 43.1 | 57.5 | 309                   | 284    | 82   | 89     | SSW 0.5  | WNW 0.5 | 9                            | 3      | 4.51  | 1        |
| 10    | 29.458   | 29.646 | 50.0             | 48.0   | 45.8 | 57.9 | 319                   | 323    | 89   | 94     | SW 1-3   | WSW 1   | 4                            | 3      | 3.75  | 1        |
| 11    | 29.487   | 29.533 | 53.5             | 51.1   | 48.8 | 60.4 | 398                   | 350    | 97   | 93     | S 0.5  | NW 1    | 10                           | 10     | 1.18  | 1        |
| 12    | 29.795   | 30.099 | 52.3             | 46.6   | 44.3 | 62.5 | 357                   | 302    | 91   | 95     | NNW 0.5  | Calm 0  | 5                            | 0      | —     | 1        |
| 13    | 30.276   | 30.314 | 50.3             | 48.2   | 40.1 | 59.0 | 360                   | 307    | 99   | 92     | W 0.5  | Calm 0  | 8                            | 0      | —     | 1        |
| 14    | 30.197   | 30.34  | 53.8             | 57.0   | 42.9 | 64.9 | 361                   | 411    | 88   | 88     | S 1-2  | SE 1    | 6                            | 10     | —     | 1        |
| 15    | 29.902   | 29.73  | 59.9             | 53.7   | 53.7 | 64.5 | 471                   | 382    | 92   | 92     | SSW 1-3  | NW 1    | 10                           | 9      | 0.33  | 1        |
| 16    | 30.087   | 30.065 | 52.9             | 47.3   | 47.5 | 57.1 | 327                   | 289    | 81   | 90     | ESE 0.5  | Calm 0  | 5                            | 8      | —     | 1        |
| 17    | 30.031   | 29.860 | 49.5             | 53.7   | 38.5 | 56.9 | 331                   | 393    | 94   | 95     | WSW 0.5  | W 1     | 2                            | 10     | 0.37  | 1        |
| 18    | 29.968   | 29.84  | 54.2             | 54.6   | 50.5 | 61.0 | 325                   | 309    | 77   | 93     | W 0.5  | WSW 0.5 | 9                            | 3      | —     | 1        |
| 19    | 29.833   | 29.741 | 56.2             | 56.2   | 48.5 | 60.3 | 388                   | 362    | 86   | 80     | WSW 1  | SE 0.5  | 9                            | 4      | 1.88  | 2        |
| 20    | 29.640   | 29.575 | 57.5             | 56.6   | 55.3 | 61.9 | 452                   | 423    | 95   | 92     | SSW 1  | SE 0.5  | 10                           | 10     | 1.23  | 2        |
| 21    | 29.524   | 29.328 | 56.1             | 52.1   | 50.6 | 62.8 | 393                   | 337    | 87   | 86     | ESE 0.5  | E 1     | 10                           | 1      | 3.01  | 2        |
| 22    | 29.260   | 29.601 | 52.3             | 52.6   | 50.8 | 59.3 | 368                   | 369    | 94   | 93     | SSW 1-3  | SSW 1-3 | 10                           | 10     | 2.39  | 2        |
| 23    | 29.890   | 30.031 | 56.1             | 52.5   | 51.0 | 62.9 | 390                   | 376    | 86   | 95     | WSW 1  | SE 0.5  | 2                            | 6      | —     | 2        |
| 24    | 30.126   | 30.166 | 51.9             | 52.8   | 41.0 | 64.5 | 385                   | 373    | 100  | 93     | ESE 0.5  | E 0.5   | 1                            | 1      | —     | 2        |
| 25    | 29.145   | 29.185 | 62.0             | 59.2   | 51.8 | 66.4 | 465                   | 467    | 84   | 93     | SSW 1  | WSW 1   | 6                            | 10     | 0.98  | 2        |
| 26    | 30.195   | 30.052 | 55.0             | 56.8   | 52.2 | 64.0 | 421                   | 437    | 97   | 94     | Calm 0   | NW 0.5  | 10                           | 9      | —     | 2        |
| 27    | 29.952   | 29.794 | 59.2             | 52.6   | 52.7 | 63.7 | 433                   | 374    | 87   | 94     | W 0.5  | Calm 0  | 5                            | 0      | —     | 2        |
| 28    | 29.519   | 29.421 | 57.7             | 48.6   | 48.6 | 61.3 | 389                   | 325    | 81   | 95     | SW 1-3   | SW 0.5  | 7                            | 8      | 6.57  | 2        |
| 29    | 29.374   | 29.521 | 45.6             | 44.4   | 41.4 | 50.5 | 290                   | 240    | 95   | 82     | SE 0.5   | SE 0.5  | 10                           | 2      | 2.44  | 2        |
| 30    | 29.623   | 29.673 | 49.4             | 42.9   | 39.1 | 57.5 | 285                   | 256    | 81   | 93     | SSW 0.5  | E 0.5   | 2                            | 0      | 0.62  | 2        |
| Mean  | 29.801   | 29.820 | 54.3             | 51.9   | 48.1 | 61.0 | 370                   | 355    | 87   | 91     | 0.9  | 0.6     | 7.1                          | 5.8    | 3.795 |          |

## OCTOBER.

| Date. | Barometer.<br>Reduced to 32°<br>and Sea Level. |        | Air Temperature. |        |      |      | Tension of<br>Vapour. |        | Relative<br>Humidity.<br>(Saturation<br>=100). |        | Wind.<br>Direction and Force.<br>Beaufort Scale. |         | Amount of<br>Cloud.<br>0-10. |        | Rain. | Remarks. |
|-------|--|--------|------------------|--------|------|------|-----------------------|--------|--|--------|--|---------|------------------------------|--------|-------|----------|
|       | 9 a.m.   | 9 p.m. | 9 a.m.           | 9 p.m. | Min. | Max. | 9 a.m.                | 9 p.m. | 9 a.m.   | 9 p.m. | 9 a.m.   | 9 p.m.  | 9 a.m.                       | 9 p.m. |       |          |
| 1     | 29.600   | 29.451 | 46.0             | 47.9   | 33.7 | 57.7 | 311                   | 315    | 100  | 95     | W 0.5  | SW 0.5  | 5                            | 10     | 1.80  | 1        |
| 2     | 29.247   | 29.251 | 50.6             | 44.2   | 43.7 | 54.4 | 252                   | 222    | 68   | 76     | W 3  | W 3-5   | 8                            | 5      | 0.30  | 1        |
| 3     | 29.394   | 29.473 | 49.1             | 48.6   | 43.9 | 55.8 | 275                   | 295    | 79   | 87     | W 3-4  | W 2-3   | 7                            | 10     | 0.74  | 1        |
| 4     | 29.523   | 29.794 | 46.9             | 42.2   | 39.6 | 53.1 | 265                   | 243    | 84   | 90     | NW 1   | W 0.5   | 3                            | 2      | 0.15  | 1        |
| 5     | 30.089   | 29.913 | 43.7             | 44.3   | 36.6 | 54.7 | 269                   | 263    | 94   | 91     | SW 0.5   | ESE 1   | 7                            | 10     | 6.47  | 1        |
| 6     | 29.450   | 29.216 | 53.7             | 48.1   | 45.0 | 47.3 | 376                   | 331    | 91   | 98     | SSW 2-5  | W 0.5   | 10                           | 10     | 0.59  | 1        |
| 7     | 29.302   | 29.802 | 48.3             | 40.1   | 40.1 | 51.3 | 309                   | 221    | 92   | 89     | W 0.5  | SSW 0.5 | 7                            | 0      | 1.18  | 1        |
| 8     | 29.444   | 29.373 | 40.5             | 51.7   | 32.1 | 52.5 | 221                   | 360    | 88   | 94     | SSE 0.5  | ESE 4-7 | 8                            | 10     | 0.66  | 1        |
| 9     | 29.666   | 29.671 | 48.8             | 52.4   | 46.3 | 57.0 | 298                   | 334    | 86   | 84     | WSW 0.5  | SE 1-3  | 8                            | 10     | 3.07  | 1        |
| 10    | 29.831   | 29.951 | 50.7             | 46.0   | 44.6 | 56.0 | 355                   | 283    | 96   | 92     | SSW 1  | E 1     | 9                            | 8      | 0.99  | 2        |
| 11    | 29.949   | 30.028 | 54.3             | 53.3   | 46.5 | 57.9 | 352                   | 390    | 83   | 96     | WSW 2  | E 0.5   | 10                           | 10     | 0.53  | 2        |
| 12    | 29.948   | 29.823 | 54.3             | 55.0   | 51.1 | 57.6 | 376                   | 386    | 89   | 89     | ESE 1  | SE 1    | 10                           | 10     | 0.44  | 1        |
| 13    | 29.950   | 29.940 | 47.8             | 50.0   | 47.2 | 57.1 | 312                   | 320    | 94   | 92     | NW 1   | SE 1    | 10                           | 10     | —     | 1        |
| 14    | 29.686   | 29.344 | 54.0             | 53.8   | 45.9 | 56.5 | 415                   | 386    | 99   | 93     | SE 1-2   | SE 1-2  | 7                            | 10     | 8.86  | 2        |
| 15    | 29.178   | 29.486 | 50.0             | 43.2   | 43.2 | 55.5 | 359                   | 271    | 99   | 96     | NW 1   | W 0.5   | 10                           | 0      | 0.06  | 2        |
| 16    | 29.739   | 29.590 | 45.1             | 49.6   | 39.4 | 56.5 | 298                   | 293    | 99   | 83     | SE 0.5   | SSE 1-3 | 0                            | 10     | 4.00  | 2        |
| 17    | 29.504   | 29.708 | 55.0             | 51.5   | 49.0 | 58.8 | 433                   | 311    | 100  | 81     | WSW 1  | SW 1    | 9                            | 0      | 0.99  | 2        |
| 18    | 29.661   | 29.597 | 55.0             | 52.0   | 49.1 | 58.5 | 406                   | 325    | 94   | 84     | S 1-2  | W 0.5   | 9                            | 10     | 0.51  | 2        |
| 19    | 29.794   | 30.163 | 46.8             | 41.8   | 41.1 | 53.4 | 289                   | 238    | 91   | 90     | NE 1-2   | W 0.5   | 8                            | 0      | 0.51  | 2        |
| 20    | 30.136   | 29.892 | 47.0             | 52.0   | 39.0 | 54.0 | 316                   | 338    | 98   | 87     | W 1  | WSW 4-5 | 10                           | 10     | 1.33  | 2        |
| 21    | 29.659   | 29.867 | 49.5             | 45.0   | 42.6 | 55.7 | 267                   | 253    | 76   | 85     | NW 1-3   | WNW 1-2 | 7                            | 10     | —     | 2        |
| 22    | 29.818   | 29.972 | 44.0             | 41.0   | 41.3 | 51.3 | 270                   | 231    | 97   | 90     | NW 0.5   | WNW 1   | 2                            | 2      | —     | 2        |
| 23    | 30.100   | 30.059 | 42.9             | 44.9   | 35.8 | 49.6 | 246                   | 254    | 89   | 86     | W 0.5  | ESE 0.5 | 10                           | 10     | —     | 2        |
| 24    | 29.863   | 29.606 | 51.5             | 56.0   | 44.6 | 57.3 | 342                   | 419    | 89   | 93     | ESE 0.5  | ESE 1-2 | 8                            | 10     | 2.62  | 2        |
| 25    | 29.701   | 30.044 | 49.5             | 42.2   | 42.0 | 59.0 | 326                   | 258    | 93   | 96     | W 1  | E 0.5   | 10                           | 2      | 1.26  | 2        |
| 26    | 29.929   | 29.816 | 47.1             | 52.1   | 42.4 | 56.5 | 324                   | 379    | 100  | 97     | SSW 0.5  | Calm 0  | 10                           | 2      | 2.00  | 2        |
| 27    | 29.938   | 30.145 | 49.5             | 46.3   | 44.3 | 54.0 | 344                   | 292    | 98   | 94     | Calm 0   | NW 0.5  | 2                            | 10     | —     | 2        |
| 28    | 30.212   | 30.177 | 40.7             | 45.4   | 39.0 | 50.2 | 252                   | 273    | 99   | 91     | Calm 0   | NW 1    | 10                           | 7      | —     | 2        |
| 29    | 29.238   | 29.307 | 41.0             | 45.6   | 37.7 | 54.1 | 253                   | 287    | 98   | 94     | NW 0.5   | NW 0.5  | 2                            | 1      | —     | 2        |
| 30    | 29.383   | 29.454 | 47.8             | 47.3   | 43.3 | 53.2 | 317                   | 271    | 95   | 84     | W 0.5  | SE 0.5  | 10                           | 10     | —     | 2        |
| 31    | 30.400   | 30.282 | 43.9             | 46.0   | 39.7 | 52.8 | 256                   | 276    | 89   | 90     | E 0.5  | ESE 1-2 | 0                            | 10     | —     | 2        |
| Mean  | 29.798   | 29.813 | 48.2             | 47.7   | 42.3 | 54.8 | 313                   | 301    | 92   | 90     | 1.1  | 1.3     | 7.3                          | 7.1    | 3.906 |          |

NOTE.—From Sept. 1st min. and max. therms. read at 9 p.m.

## QUARTERLY WEATHER REPORT.

## NOVEMBER.

| Date. | Barometer.<br>Reduced to 32°<br>and Sea Level. |        | Air Temperature. |        |      |      | Tension of<br>Vapour. |        | Relative<br>Humidity.<br>(Saturation<br>=100). |        | Wind.<br>Direction and Force.<br>Beaufort Scale. |         | Amount of<br>Cloud.<br>0-10. |        | Rain.  | Remarks.                              |
|-------|--|--------|------------------|--------|------|------|-----------------------|--------|--|--------|--|---------|------------------------------|--------|--------|---------------------------------------|
|       | 9 a.m.   | 9 p.m. | 9 a.m.           | 9 p.m. | Min. | Max. | 9 a.m.                | 9 p.m. | 9 a.m.   | 9 p.m. | 9 a.m.   | 9 p.m.  | 9 a.m.                       | 9 p.m. | 9 a.m. |                                       |
| 1     | ins.   | ins.   | 45°              | 46°1   | 43°6 | 50°6 | ins.                  | ins.   | 94   | 96     | E 0°5  | E 1     | 9                            | 10     | ins.   | 2 2 Reading at 9 p.m. lower than Min. |
| 2     | 30°179   | 30°107 | 45°0             | 42°8   | 42°9 | 52°6 | 282                   | 264    | 98   | 96     | NNW 1  | E 0°5   | 10                           | 0      | 0°027  |                                       |
| 3     | 29°869   | 29°059 | 49°2             | 42°8   | 42°9 | 52°6 | 343                   | 264    | 98   | 96     | NNW 1  | E 0°5   | 10                           | 0      | —      | 1 1 2                                 |
| 4     | 30°024   | 30°013 | 45°0             | 52°9   | 38°8 | 55°0 | 277                   | 365    | 93   | 91     | SW 1   | W 1-2   | 10                           | 10     | —      |                                       |
| 5     | 30°014   | 29°904 | 51°6             | 50°2   | 47°9 | 57°9 | 331                   | 284    | 86   | 79     | SSW 1  | SSE 1   | 10                           | 6      | 0°015  | 1 1 2 2                               |
| 6     | 30°002   | 30°166 | 46°5             | 36°9   | 36°4 | 51°8 | 305                   | 217    | 97   | 99     | W 0°5  | W 0°5   | 10                           | 0      | 1°37   |                                       |
| 7     | 29°262   | 29°273 | 38°9             | 39°7   | 33°1 | 50°6 | 236                   | 230    | 99   | 94     | SSE 0°5  | SSE 1   | 0                            | 1      | —      | 2                                     |
| 8     | 29°385   | 29°422 | 45°0             | 41°0   | 37°0 | 54°6 | 249                   | 244    | 84   | 95     | S 0°5  | SW 0°5  | 1                            | 0      | 0°003  |                                       |
| 9     | 29°363   | 29°365 | 50°0             | 54°6   | 40°4 | 55°6 | 350                   | 422    | 97   | 99     | S 1  | SE 0°5  | 10                           | 10     | 1°161  | 2                                     |
| 10    | 29°303   | 29°221 | 53°8             | 52°3   | 51°0 | 61°6 | 412                   | 368    | 99   | 94     | SSW 0°5  | W 1     | 10                           | 10     | 0°031  |                                       |
| 11    | 29°330   | 29°425 | 42°7             | 31°9   | 31°7 | 53°4 | 234                   | 160    | 85   | 93     | NW 1   | SE 0°5  | 6                            | 0      | —      | 2                                     |
| 12    | 29°349   | 29°225 | 36°9             | 38°7   | 31°0 | 55°6 | 213                   | 129    | 97   | 55     | W 0°5  | NW 1-2  | 2                            | 10     | —      |                                       |
| 13    | 29°325   | 29°265 | 27°6             | 38°7   | 25°2 | 42°3 | 148                   | 202    | 97   | 86     | NNW 0°5  | W 1     | 4                            | 10     | 0°017  | 1                                     |
| 14    | 29°133   | 29°273 | 45°0             | 37°7   | 37°2 | 48°8 | 204                   | 216    | 98   | 96     | NW 1   | Calm 0  | 10                           | 10     | 0°052  |                                       |
| 15    | 29°330   | 30°258 | 41°6             | 48°7   | 37°9 | 49°7 | 257                   | 309    | 97   | 90     | NW 0°5   | WNW 1-2 | 10                           | 10     | 0°035  | 2                                     |
| 16    | 30°069   | 29°840 | 47°9             | 47°5   | 47°1 | 52°0 | 315                   | 308    | 95   | 95     | W 1  | WNW 1   | 10                           | 9      | 0°090  |                                       |
| 17    | 29°913   | 29°802 | 47°7             | 53°0   | 43°8 | 54°6 | 383                   | 347    | 86   | 86     | NW 0°5   | WNW 5   | 9                            | 10     | 0°015  | 1                                     |
| 18    | 29°951   | 29°903 | 52°2             | 52°0   | 51°2 | 55°1 | 354                   | 353    | 90   | 91     | WNW 2-3  | WNW 3   | 10                           | 10     | 0°081  |                                       |
| 19    | 29°870   | 29°898 | 53°6             | 48°0   | 47°5 | 54°8 | 394                   | 295    | 96   | 89     | W 3-5  | NW 1-3  | 10                           | 7      | 0°070  | 2                                     |
| 20    | 29°813   | 29°956 | 46°7             | 44°3   | 41°0 | 50°3 | 279                   | 239    | 88   | 82     | W 1-2  | WNW 2   | 5                            | 8      | 0°031  |                                       |
| 21    | 30°117   | 30°092 | 35°2             | 39°0   | 33°8 | 44°6 | 202                   | 216    | 98   | 91     | Calm 0   | SE 0°5  | 4                            | 10     | —      | 2                                     |
| 22    | 30°008   | 29°926 | 44°7             | 49°0   | 38°3 | 50°8 | 259                   | 322    | 88   | 93     | E 3-4  | SE 1-3  | 10                           | 10     | 2°30   |                                       |
| 23    | 29°747   | 29°837 | 51°5             | 46°0   | 45°6 | 52°0 | 357                   | 309    | 94   | 99     | SE 1-3   | NE 0°5  | 10                           | 10     | 6°24   | 2                                     |
| 24    | 30°009   | 30°079 | 47°8             | 45°7   | 43°0 | 50°8 | 312                   | 281    | 94   | 92     | E 1  | SE 0°5  | 10                           | 10     | 0°020  |                                       |
| 25    | 29°939   | 29°778 | 47°1             | 50°6   | 45°1 | 51°4 | 312                   | 359    | 96   | 97     | SSW 1  | SSE 0°5 | 10                           | 10     | 4°92   | 2                                     |
| 26    | 29°611   | 29°688 | 52°0             | 39°7   | 39°5 | 52°7 | 361                   | 232    | 93   | 95     | SSW 1  | SSE 0°5 | 10                           | 1      | 1°58   |                                       |
| 27    | 29°738   | 29°538 | 41°2             | 45°2   | 35°5 | 47°4 | 257                   | 296    | 99   | 99     | S 1  | SW 0°5  | 8                            | 10     | 1°180  | 2                                     |
| 28    | 29°531   | 29°502 | 38°9             | 43°2   | 36°6 | 47°3 | 233                   | 271    | 99   | 96     | SE 0°5   | SE 0°5  | 3                            | 9      | 0°020  |                                       |
| 29    | 29°337   | 28°823 | 44°0             | 45°0   | 41°6 | 47°6 | 265                   | 299    | 92   | 100    | SW 1-2   | NW 1    | 10                           | 10     | 6°00   | 2                                     |
| 30    | 28°865   | 28°933 | 43°1             | 37°0   | 36°8 | 47°0 | 254                   | 202    | 91   | 92     | WNW 3  | S 1     | 9                            | 0      | 0°016  |                                       |
| Mean  | 29°944   | 29°928 | 44°8             | 44°5   | 39°7 | 51°4 | 285                   | 275    | 94   | 92     | 1°2  | 1°1     | 7°7                          | 7°4    | 3°655  |                                       |