

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS,

Taken at the Montreal Observatory, Latitude 45° 31' N. Longitude, 4h. 54m. 11s. W. of Greenwich. Height above level of the Sea 182 feet. For the month of May, 1864.

BY CHARLES SMALLWOOD, M. D., LL. D., D. C. L.

| Day of Month. | Reading of the Barometer, corrected, and reduced to 32° F. |         | Reading of Thermometer. |      |       | Mean Humidity of the Atmosphere. | General direction of Wind. | Horizontal movement in 24 hours. | Mean extent of Clouds in 10ths. | Depth of Rain in inches. | Depth of Snow in inches. | Ozone in 10ths. | Weather, &c. | Remarks for the Month.                                                                                     |
|---------------|------------------------------------------------------------|---------|-------------------------|------|-------|----------------------------------|----------------------------|----------------------------------|---------------------------------|--------------------------|--------------------------|-----------------|--------------|------------------------------------------------------------------------------------------------------------|
|               | Highest.                                                   | Lowest. | Max.                    | Min. | Mean. |                                  |                            |                                  |                                 |                          |                          |                 |              |                                                                                                            |
| 1             | 29.642                                                     | 29.574  | 51.0                    | 43.0 | 48.8  | .326                             | N                          | 118.00                           | 6.6                             | 0.063                    | ...                      | 2.3             | Rain.        | Highest, the 14th day, 29.971 inches.                                                                      |
| 2             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .414                             | S W                        | 170.40                           | 3.3                             | 0.472                    | ...                      | 1.6             | Rain.        | Lowest, the 27th day, 29.354 "                                                                             |
| 3             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .273                             | S W                        | 170.40                           | 3.3                             | 0.472                    | ...                      | 1.6             | Rain.        | Monthly Mean, 29.703 "                                                                                     |
| 4             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .273                             | S W                        | 170.40                           | 3.3                             | 0.472                    | ...                      | 1.6             | Rain.        | Monthly Range, 0.627 "                                                                                     |
| 5             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .273                             | S W                        | 170.40                           | 3.3                             | 0.472                    | ...                      | 1.6             | Rain.        | Highest, the 15th day 85° 4.                                                                               |
| 6             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .482                             | N W                        | 109.28                           | 6.6                             | Inapp.                   | ...                      | 2.3             | Rain.        | Lowest, the 4th day, 34° 8.                                                                                |
| 7             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .310                             | N E                        | 186.05                           | 10.0                            | 0.221                    | ...                      | 3.0             | Rain.        | Thermometer Monthly Mean, 61.7°.                                                                           |
| 8             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .340                             | N E                        | 220.68                           | 9.6                             | 0.220                    | ...                      | 3.2             | Rain.        | Greatest intensity of the Sun's rays, 118° 0.                                                              |
| 9             | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .314                             | N E                        | 70.41                            | 10.0                            | 0.163                    | ...                      | 2.0             | Rain.        | Lowest point of terrestrial radiation, 34° 7.                                                              |
| 10            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .484                             | S W                        | 81.39                            | 6.6                             | 0.030                    | ...                      | 2.3             | Rain.        | Mean of Humidity, 87.3.                                                                                    |
| 11            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .482                             | S W                        | 72.98                            | 10.0                            | 0.104                    | ...                      | 3.0             | Rain.        | Rain fell on 24 days, amounting to 4.823 inches, it was accompanied by Thunder on 1 day and hail on 1 day. |
| 12            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .311                             | N E                        | 250.64                           | 8.0                             | 0.792                    | ...                      | 2.0             | Rain.        | Most prevalent wind, N. E.                                                                                 |
| 13            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .912                             | N E                        | 143.61                           | 8.6                             | 0.792                    | ...                      | 2.2             | Rain.        | Least windy day the 4th day, mean miles per hour, 11.88.                                                   |
| 14            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .926                             | N E                        | 143.61                           | 8.6                             | 0.014                    | ...                      | 1.3             | Rain.        | Least windy day, the 21st day, mean miles per hour, 11.77.                                                 |
| 15            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .660                             | S W                        | 131.90                           | 4.0                             | Inapp.                   | ...                      | 1.3             | Rain.        | Aurora Borealis visible on 2 nights.                                                                       |
| 16            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .705                             | N E                        | 131.90                           | 4.0                             | Inapp.                   | ...                      | 1.3             | Rain.        | Lunar Halo visible on 1 night.                                                                             |
| 17            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .675                             | N E                        | 147.71                           | 3.3                             | ...                      | ...                      | 1.0             | Rain.        | Amount of Evaporation 1.61 inches.                                                                         |
| 18            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .628                             | N E                        | 94.71                            | 1.3                             | ...                      | ...                      | 1.0             | Rain.        |                                                                                                            |
| 19            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .838                             | N E                        | 198.61                           | 4.0                             | ...                      | ...                      | 1.0             | Rain.        |                                                                                                            |
| 20            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .838                             | S W                        | 142.61                           | 8.3                             | Inapp.                   | ...                      | 1.3             | Rain.        |                                                                                                            |
| 21            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .452                             | N E                        | 131.80                           | 10.0                            | 0.291                    | ...                      | 1.6             | Rain.        |                                                                                                            |
| 22            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .495                             | N E                        | 62.59                            | 8.3                             | 0.291                    | ...                      | 1.3             | Rain.        |                                                                                                            |
| 23            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .867                             | N E                        | 106.40                           | 2.0                             | Inapp.                   | ...                      | 1.3             | Rain.        |                                                                                                            |
| 24            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .757                             | N E                        | 106.40                           | 2.0                             | Inapp.                   | ...                      | 1.3             | Rain.        |                                                                                                            |
| 25            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .865                             | N E                        | 180.40                           | 6.0                             | 0.442                    | ...                      | 2.6             | Rain.        |                                                                                                            |
| 26            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .931                             | N E                        | 159.26                           | 10.0                            | 0.242                    | ...                      | 2.3             | Rain.        |                                                                                                            |
| 27            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .419                             | N E                        | 220.78                           | 6.0                             | 0.240                    | ...                      | 2.3             | Rain.        |                                                                                                            |
| 28            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .894                             | N E                        | 117.41                           | 10.0                            | ...                      | ...                      | 3.6             | Rain.        |                                                                                                            |
| 29            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .634                             | N E                        | 104.19                           | 6.6                             | 0.420                    | ...                      | 3.3             | Rain.        |                                                                                                            |
| 30            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .884                             | N W                        | 180.28                           | 2.0                             | Inapp.                   | ...                      | 1.3             | Rain.        |                                                                                                            |
| 31            | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .876                             | N W                        | 108.00                           | 4.6                             | ...                      | ...                      | 1.0             | Rain.        |                                                                                                            |
|               | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .482                             | N E                        | 108.00                           | 4.6                             | ...                      | ...                      | 2.0             | Rain.        |                                                                                                            |
|               | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .489                             | N E                        | 120.00                           | 6.6                             | 0.170                    | ...                      | 2.0             | Rain.        |                                                                                                            |
|               | 29.642                                                     | 29.613  | 67.8                    | 44.1 | 55.4  | .641                             | N E                        | 72.70                            | 10.0                            | 0.051                    | ...                      | 2.0             | Rain.        |                                                                                                            |