

# ABSTRACT FOR THE MONTH OF OCTOBER, 1895.

Meteorological Observations, McGill College Observatory, Montreal, Canada. Height above sea level, 187 feet. C. H. McLEOD, Superintendent.

| DAY.   | THERMOMETER. |       |       |        | BAROMETER. |         |         |        | † Mean pressure of vapor. | ‡ Mean relative humidity. | Dew point. | WIND.              |                                  | SKY CLOUD IN TENTHS. |       |       | Per cent. of possible Sunshine. | Rainfall in inches. | Snowfall in inches. | Rain and snow melted. | DAY.   |
|--|--------------|-------|-------|--------|------------|---------|---------|--------|---------------------------|---------------------------|------------|--------------------|----------------------------------|----------------------|-------|-------|---------------------------------|---------------------|---------------------|-----------------------|--|
|  | Mean.        | Max.  | Min.  | Range. | Mean.      | Max.    | Min.    | Range. |                           |                           |            | General direction. | Mean velocity in miles per hour. | Mean.                | Max.  | Min.  |                                 |                     |                     |                       |  |
| 1  | 42.57        | 47.4  | 36.2  | 11.2   | 29.9315    | 30.050  | 29.670  | .380   | .2188                     | 80.7                      | 36.5       | S.W.               | 25.1                             | 7.2                  | 10    | 0     | 44                              | 0.07                | ....                | 0.07                  | 1  |
| 2  | 53.17        | 60.2  | 40.2  | 20.0   | 30.0152    | 30.040  | 29.992  | .048   | .2207                     | 78.8                      | 46.5       | S.                 | 19.5                             | 5.3                  | 10    | 0     | 53                              | ....                | ....                | 0.00                  | 2  |
| 3  | 50.53        | 57.8  | 44.3  | 13.5   | 30.2153    | 30.315  | 30.081  | .234   | .2772                     | 75.5                      | 41.2       | N.                 | 13.7                             | 4.5                  | 10    | 0     | 65                              | ....                | ....                | ....                  | 3  |
| 4  | 47.67        | 55.5  | 39.4  | 16.1   | 30.2545    | 30.348  | 30.148  | .200   | .2617                     | 79.2                      | 41.2       | N.                 | 8.0                              | 0.0                  | 0     | 0     | 97                              | ....                | ....                | ....                  | 4  |
| 5  | 48.10        | 54.8  | 39.8  | 15.0   | 30.0143    | 30.121  | 29.393  | .228   | .2723                     | 81.2                      | 42.3       | N.                 | 7.7                              | 2.7                  | 10    | 0     | 62                              | ....                | ....                | ....                  | 5  |
| SUNDAY.....6                                     | .....        | 61.1  | 40.4  | 20.7   | .....      | .....   | .....   | .....  | .....                     | .....                     | .....      | S.W.               | 12.0                             | .....                | ..... | ..... | 91                              | ....                | ....                | ....                  | 6.....SUNDAY                                 |
| 7  | 52.47        | 57.8  | 43.3  | 14.5   | 29.5857    | 29.683  | 29.475  | .208   | .3188                     | 80.3                      | 46.5       | S.                 | 10.1                             | 7.3                  | 10    | 0     | 21                              | ....                | ....                | 0.00                  | 7  |
| 8  | 45.08        | 53.5  | 38.0  | 15.5   | 29.6602    | 29.830  | 29.539  | .291   | .2027                     | 66.5                      | 34.3       | S.W.               | 24.1                             | 9.5                  | 10    | 8     | 29                              | ....                | ....                | ....                  | 8  |
| 9  | 37.91        | 43.8  | 32.2  | 11.6   | 30.0662    | 30.197  | 29.906  | .291   | .1562                     | 69.0                      | 28.5       | W.                 | 16.7                             | 7.0                  | 10    | 0     | 14                              | ....                | ....                | ....                  | 9  |
| 10   | 37.52        | 44.6  | 33.5  | 11.1   | 30.2963    | 30.351  | 30.246  | .105   | .1527                     | 69.0                      | 27.8       | W.                 | 9.7                              | 4.5                  | 10    | 0     | 89                              | ....                | ....                | ....                  | 10   |
| 11   | 47.30        | 56.6  | 34.0  | 22.6   | 30.0695    | 30.191  | 29.973  | .218   | .2180                     | 67.7                      | 36.5       | S.                 | 18.3                             | 5.3                  | 10    | 0     | 85                              | 0.00                | ....                | 0.00                  | 11   |
| 12   | 48.67        | 54.2  | 46.0  | 8.2    | 29.9570    | 30.003  | 29.905  | .098   | .3285                     | 95.7                      | 47.2       | E                  | 10.7                             | 10.0                 | 10    | 10    | 00                              | 0.24                | ....                | 0.24                  | 12   |
| SUNDAY.....13                                    | .....        | 58.0  | 45.0  | 13.0   | .....      | .....   | .....   | .....  | .....                     | .....                     | .....      | N.W.               | 13.2                             | .....                | ..... | ..... | 30                              | ....                | ....                | ....                  | 13.....SUNDAY                                |
| 14   | 45.25        | 56.7  | 38.0  | 18.7   | 29.9738    | 30.170  | 29.742  | .428   | .1933                     | 63.5                      | 33.0       | N.W.               | 18.4                             | 4.8                  | 10    | 0     | 79                              | ....                | ....                | ....                  | 14   |
| 15   | 37.52        | 42.3  | 34.2  | 8.1    | 30.1183    | 30.179  | 30.046  | .133   | .1598                     | 71.2                      | 28.7       | S.                 | 5.2                              | 7.0                  | 10    | 4     | 00                              | ....                | ....                | on 16th               | 15   |
| 16   | 41.98        | 48.0  | 34.1  | 13.9   | 29.7495    | 30.009  | 29.465  | .544   | .2225                     | 83.8                      | 37.2       | S.E.               | 15.2                             | 9.8                  | 10    | 9     | 00                              | 0.07                | ....                | ....                  | 16   |
| 17   | 39.22        | 45.6  | 29.7  | 15.9   | 29.6943    | 29.933  | 29.544  | .389   | .1797                     | 73.0                      | 31.2       | N.W.               | 24.7                             | 8.0                  | 10    | 4     | 58                              | 0.00                | ....                | 0.00                  | 17   |
| 18   | 32.50        | 40.4  | 24.0  | 16.4   | 30.0390    | 30.171  | 29.309  | .370   | .1517                     | 80.2                      | 27.2       | N.W.               | 19.6                             | 1.8                  | 10    | 0     | 85                              | ....                | ....                | ....                  | 18   |
| 19   | 47.40        | 58.2  | 34.6  | 23.6   | 29.5885    | 29.695  | 29.462  | .233   | .2302                     | 69.7                      | 37.7       | S.                 | 25.4                             | 4.8                  | 8     | 0     | 39                              | 0.00                | ....                | 0.00                  | 19   |
| SUNDAY.....20                                    | .....        | 37.7  | 28.5  | 9.2    | .....      | .....   | .....   | .....  | .....                     | .....                     | .....      | S.W.               | 14.9                             | .....                | ..... | ..... | 99                              | ....                | ....                | 0.00                  | 20.....SUNDAY                                |
| 21   | 31.66        | 36.6  | 25.8  | 10.8   | 30.0070    | 30.093  | 29.857  | .230   | .1457                     | 83.2                      | 26.8       | S.                 | 9.8                              | 6.2                  | 10    | 0     | 74                              | ....                | 0.80                | 0.07                  | 21   |
| 22   | 42.62        | 51.2  | 28.4  | 22.8   | 29.8680    | 30.072  | 29.717  | .355   | .1810                     | 66.0                      | 31.5       | S.                 | 18.8                             | 9.3                  | 10    | 6     | 27                              | 0.06                | ....                | ....                  | 22   |
| 23   | 36.17        | 49.5  | 31.6  | 17.9   | 30.0803    | 30.130  | 29.951  | .185   | .1390                     | 65.3                      | 25.5       | W.                 | 15.5                             | 5.3                  | 10    | 1     | 37                              | 0.01                | ....                | ....                  | 23   |
| 24   | 37.30        | 43.4  | 29.3  | 13.9   | 30.0032    | 30.094  | 29.860  | .234   | .1712                     | 77.5                      | 30.5       | S.                 | 14.8                             | 8.0                  | 10    | 3     | 70                              | ....                | ....                | ....                  | 24   |
| 25   | 37.37        | 49.6  | 27.6  | 19.0   | 29.7218    | 29.951  | 29.553  | .398   | .1638                     | 75.5                      | 30.2       | S.                 | 22.2                             | 7.8                  | 10    | 1     | 08                              | 0.00                | ....                | 0.00                  | 25   |
| 26   | 32.18        | 41.7  | 23.8  | 17.9   | 29.8978    | 30.008  | 29.702  | .306   | .1373                     | 73.5                      | 24.8       | S.E.               | 7.1                              | 7.0                  | 10    | 0     | 07                              | ....                | ....                | ....                  | 26   |
| SUNDAY.....27                                    | .....        | 58.6  | 33.8  | 24.8   | .....      | .....   | .....   | .....  | .....                     | .....                     | .....      | S.                 | 12.6                             | .....                | ..... | ..... | 07                              | 0.00                | ....                | 0.00                  | 27.....SUNDAY                                |
| 28   | 44.10        | 49.2  | 35.5  | 13.7   | 29.7432    | 29.902  | 29.569  | .333   | .1838                     | 63.0                      | 31.8       | S.                 | 27.5                             | 8.3                  | 10    | 5     | 20                              | 0.06                | ....                | 0.06                  | 28   |
| 29   | 32.47        | 39.3  | 23.8  | 9.5    | 30.1405    | 30.263  | 30.029  | .234   | .1285                     | 70.0                      | 23.8       | S.W.               | 12.3                             | 6.3                  | 10    | 0     | 19                              | ....                | ....                | ....                  | 29   |
| 30   | 30.05        | 34.9  | 25.4  | 9.5    | 30.4737    | 30.571  | 30.347  | .224   | .1238                     | 74.8                      | 22.8       | W.                 | 10.7                             | 5.0                  | 10    | 0     | 35                              | ....                | ....                | ....                  | 30   |
| 31   | 34.27        | 42.2  | 24.1  | 18.1   | 30.3443    | 30.517  | 30.066  | .451   | .1343                     | 70.8                      | 24.5       | S.                 | 16.0                             | 8.3                  | 10    | 0     | 02                              | 0.13                | ....                | 0.13                  | 31   |
| ..... Means                                      | 41.22        | 48.98 | 33.89 | 15.27  | 29.9812    | 30.1074 | 29.8350 | .2724  | .19926                    | 74.24                     | 33.21      | S. 25 1/2 W.       | 15.43                            | 6.33                 | 9.56  | 1.89  | 43.4                            | 0.64                | 0.80                | 0.71                  | Sums.....                                    |
| 21 Years means for and including this month..... | 45.35        | 52.40 | 38.63 | 13.78  | 29.9951    | .....   | .....   | .2140  | .2433                     | 76.49                     | .....      | .....              | 13.82                            | 6.44                 | ..... | ..... | 49.4                            | 3.09                | 1.31                | 3.22                  | 21 Years means for and including this month. |

### ANALYSIS OF WIND RECORD.

| Direction.....    | N.   | N.E. | E.    | S.E.  | S.    | S.W.  | W.    | N.W.  | CALM. |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Miles.....        | 793  |      | 266   | 647   | 4108  | 2967  | 1732  | 976   |       |
| Duration in hrs.. | 90   |      | 24    | 52    | 260   | 136   | 119   | 57    | 6     |
| Mean velocity.... | 8.81 |      | 11.08 | 12.44 | 15.80 | 21.82 | 14.55 | 17.12 |       |

Greatest mileage in one hour was 48 on the 28th.  
Greatest velocity in gusts, 60 miles per hour on the 28th.

Resultant mileage, 5719.  
Resultant direction, S. 25 1/2° W.  
Total mileage, 11,399.  
Average velocity, 5.54 m. p. h.

\* Barometer readings reduced to sea-level and temperature of 32° Fahrenheit.

† Observed.

‡ Pressure of vapour in inches of mercury.

§ Humidity relative, saturation being 100.

¶ 14 years only. \* Ten years only.

The greatest heat was 61.1° on the 6th; the greatest cold was 23.8° on the 26th, giving a range of temperature of 37.3 degrees.

Warmest day was the 2nd. Coldest day was the 30th. Highest barometer reading was 30.571

on the 30th. Lowest barometer was 29.462 on the 19th, giving a range of 1.109 inches. Maximum relative humidity was 100 on the 5th, 12th and 31st. Minimum relative humidity was 43 on the 31st.

Rain fell on 14 days.

Snow fell on 2 days, 20th and 21st.

Rain or snow fell on 16 days.

Auroras were observed on 1 night, the 14th.

Lunar halo on 1 night, 10th.

Hail storm on the 17th.