

# ABSTRACT FOR THE MONTH OF OCTOBER, 1904.

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

| DAY                                              | THERMOMETER. |      |      |        | * BAROMETER. |       |       |        | Mean relative humidity. | WIND.              |                                  | Per cent. 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. |                              |                     |                     |                       |                                              |
| 1                                                | 46.2         | 50.5 | 44.5 | 6.0    | 29.28        | 29.33 | 29.21 | .12    | 82                      | S.W.               | 27.4                             | ..                           | .00                 | ...                 | .00                   | 1                                            |
| SUNDAY.....                                      | 44.6         | 47.8 | 39.2 | 8.6    | 29.40        | 29.55 | 29.31 | .24    | 77                      | S.W.               | 19.9                             | 41                           | ....                | ....                | ....                  | 2.....SUNDAY                                 |
| 3                                                | 44.8         | 50.9 | 40.0 | 10.9   | 29.82        | 30.07 | 29.55 | .52    | 82                      | S.W.               | 17.0                             | 34                           | .01                 | ....                | .01                   | 3                                            |
| 4                                                | 45.1         | 52.0 | 37.4 | 14.6   | 30.17        | 30.23 | 30.07 | .13    | 83                      | S                  | 9.2                              | 63                           | ....                | ....                | ....                  | 4                                            |
| 5                                                | 48.9         | 53.0 | 44.6 | 8.4    | 29.92        | 30.20 | 29.73 | .47    | 59                      | S.E.               | 6.2                              | ..                           | .73                 | ....                | .23                   | 5                                            |
| 6                                                | 41.4         | 46.0 | 36.0 | 10.0   | 30.20        | 30.33 | 29.82 | .56    | 77                      | S.W.               | 18.9                             | 85                           | ....                | ....                | ....                  | 6                                            |
| 7                                                | 36.7         | 43.0 | 28.1 | 14.9   | 30.47        | 30.57 | 30.38 | .19    | 72                      | S.E.               | 5.3                              | 69                           | ....                | ....                | ....                  | 7                                            |
| 8                                                | 43.6         | 50.0 | 35.2 | 14.8   | 30.24        | 30.39 | 30.17 | .22    | 82                      | S.E.               | 5.7                              | ..                           | .02                 | ....                | .02                   | 8                                            |
| SUNDAY.....                                      | 47.1         | 52.0 | 44.0 | 8.0    | 30.21        | 30.26 | 30.12 | .14    | 91                      | N.W.               | 9.9                              | ..                           | .03                 | ....                | .00                   | 9.....SUNDAY                                 |
| 10                                               | 57.5         | 68.0 | 44.6 | 23.4   | 29.69        | 30.12 | 29.46 | .66    | 95                      | S.E.               | 20.7                             | ..                           | .13                 | ....                | .18                   | 10                                           |
| 11                                               | 48.5         | 53.2 | 39.2 | 14.0   | 29.92        | 30.23 | 29.52 | .71    | 84                      | N.E.               | 16.5                             | 19                           | .00                 | ....                | .00                   | 11                                           |
| 12                                               | 37.3         | 44.0 | 30.8 | 13.2   | 30.49        | 30.45 | 30.23 | .22    | 77                      | N.E.               | 18.0                             | ..                           | ....                | ....                | ....                  | 12                                           |
| 13                                               | 38.8         | 44.0 | 34.7 | 9.3    | 30.37        | 30.46 | 30.26 | .20    | 89                      | N.E.               | 7.1                              | ..                           | ....                | ....                | ....                  | 13                                           |
| 14                                               | 41.6         | 48.6 | 34.6 | 14.4   | 30.22        | 30.23 | 30.17 | .11    | 83                      | N.W.               | 17.9                             | 11                           | .04                 | ....                | .04                   | 14                                           |
| 15                                               | 39.9         | 48.0 | 31.6 | 16.4   | 30.30        | 30.37 | 30.24 | .13    | 77                      | N.W.               | 12.7                             | 91                           | ....                | ....                | ....                  | 15                                           |
| SUNDAY.....                                      | 46.9         | 56.0 | 34.5 | 21.5   | 30.21        | 30.28 | 30.15 | .13    | 75                      | S.E.               | 14.5                             | 91                           | ....                | ....                | ....                  | 16.....SUNDAY                                |
| 17                                               | 52.0         | 62.0 | 43.0 | 19.0   | 30.63        | 30.16 | 29.98 | .18    | 79                      | S.W.               | 21.5                             | 53                           | .01                 | ....                | .01                   | 17                                           |
| 18                                               | 50.7         | 56.0 | 40.6 | 15.4   | 29.66        | 30.07 | 29.87 | .20    | 96                      | N.E.               | 11.0                             | 72                           | .05                 | ....                | .05                   | 18                                           |
| 19                                               | 48.1         | 58.7 | 40.1 | 18.6   | 30.06        | 30.14 | 29.98 | .16    | 97                      | N.W.               | 6.3                              | 24                           | ....                | ....                | ....                  | 19                                           |
| 20                                               | 53.3         | 67.0 | 50.2 | 16.8   | 29.85        | 29.93 | 29.74 | .24    | 94                      | E.                 | 19.1                             | 40                           | ....                | ....                | ....                  | 20                                           |
| 21                                               | 54.0         | 63.0 | 47.0 | 16.0   | 29.55        | 29.74 | 29.33 | .41    | 99                      | S.E.               | 13.1                             | ..                           | 2.29                | ....                | 2.29                  | 21                                           |
| 22                                               | 47.9         | 54.2 | 43.0 | 11.2   | 29.59        | 29.65 | 29.55 | .10    | 90                      | S.W.               | 19.0                             | 27                           | ....                | ....                | ....                  | 22                                           |
| SUNDAY.....                                      | 42.3         | 48.0 | 36.6 | 11.4   | 29.84        | 30.02 | 29.65 | .37    | 89                      | S.W.               | 18.6                             | 65                           | ....                | ....                | ....                  | 23.....SUNDAY                                |
| 24                                               | 36.8         | 42.0 | 33.0 | 9.0    | 30.19        | 30.25 | 30.02 | .23    | 87                      | W.                 | 11.1                             | 87                           | ....                | ....                | ....                  | 24                                           |
| 25                                               | 42.5         | 48.0 | 35.5 | 12.5   | 30.08        | 30.22 | 30.02 | .20    | 99                      | S.W.               | 18.2                             | ..                           | .24                 | ....                | .24                   | 25                                           |
| 26                                               | 39.0         | 42.0 | 35.0 | 8.0    | 29.56        | 30.08 | 29.87 | .21    | 100                     | S.W.               | 12.6                             | ..                           | .13                 | ....                | .13                   | 26                                           |
| 27                                               | 32.7         | 38.0 | 28.7 | 9.3    | 30.08        | 30.21 | 29.88 | .23    | 95                      | N.W.               | 15.6                             | 38                           | ..                  | .00                 | .00                   | 27                                           |
| 28                                               | 33.3         | 40.2 | 24.4 | 15.8   | 30.25        | 30.31 | 30.20 | .11    | 89                      | S.W.               | 12.8                             | 36                           | ....                | ....                | ....                  | 28                                           |
| 29                                               | 39.7         | 49.8 | 35.0 | 14.8   | 30.10        | 30.20 | 29.97 | .21    | 97                      | S.W.               | 18.5                             | 98                           | .01                 | ....                | .01                   | 29                                           |
| SUNDAY.....                                      | 30.2         | 34.8 | 26.0 | 8.8    | 30.36        | 30.41 | 30.20 | .21    | 88                      | N.W.               | 14.5                             | ..                           | ....                | ....                | ....                  | 30.....SUNDAY                                |
| 31                                               | 29.0         | 36.0 | 23.0 | 13.0   | 30.32        | 30.42 | 30.12 | .30    | 97                      | W.                 | 9.9                              | 33                           | ....                | ....                | ....                  | 31                                           |
| Means.....                                       | 43.39        | 49.9 | 36.8 | 13.1   | 30.034       | 30.16 | 29.90 | .26    | 87.8                    | S 43° W            | 14.64                            | 35.1                         | 3.21                | .03                 | 3.21                  | .....Sums.....                               |
| 30 Years means for and including this month..... | 45.91        | 52.9 | 39.0 | 13.9   | 30.014       | ..... | ..... | .22    | 77.3                    | .....              | 13.50                            | 41.1                         | 3.03                | 1.00                | 3.13                  | 30 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.....        | 209 | 926  | 833  | 1512 | 973  | 3633 | 1323 | 1533 |       |
| Duration in hrs.. | 27  | 68   | 66   | 99   | 56   | 200  | 116  | 107  | 5     |
| Mean velocity.... | 7.7 | 13.6 | 12.6 | 15.2 | 14.0 | 18.2 | 11.4 | 14.3 |       |

Greatest mileage in one hour was 36 on the 10th.  
Greatest velocity in gusts was 48 on the 10th.  
Resultant mileage, 3,560.

Resultant direction, S. 43° W.  
Total mileage, 10,892.

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

† Mean of bi-hourly readings taken from self-recording instruments.

‡ Humidity relative, saturation being 101. Mean of observations at 8, 15 and 20 hours.

§ 23 years only. ¶ 18 years only.

|| Direction for part of month taken from City Hall records.

The greatest heat was 63.0° above zero on the 10th. The greatest cold was 23.0 above zero on the 31st, giving a range of temperature of 45.00.

Warmest day was the 29th. Coldest day was the 31st.

Highest barometer reading was 30.57 on the 7th. lowest barometer was 29.21 on the 1st, giving a range of 1.36 inches.

Minimum relative humidity observed, was 63 on the 7th.

Rain fell on 14 days.

Snow fell on 1 day.

Aurora on the 6th.