

# ABSTRACT FOR THE MONTH OF AUGUST, 1903.

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                                                 | 61.9         | 69.5  | 50.0  | 19.5   | 30.25        | 30.32  | 30.21  | .11    | 64                        | N.W.               | 9.5                              | 86                           | 0.00                | ...                 | 0.00                  | 1                                                 |
| SUNDAY..... 2                                     | 63.2         | 70.0  | 57.1  | 12.9   | 30.42        | 30.43  | 30.32  | .11    | 62                        | N.E.               | 7.5                              | 66                           | ...                 | ...                 | ...                   | 2..... SUNDAY                                     |
| 3                                                 | 62.2         | 68.7  | 54.5  | 14.2   | 30.35        | 30.43  | 30.23  | .20    | 67                        | N.E.               | 6.0                              | 80                           | ...                 | ...                 | ...                   | 3                                                 |
| 4                                                 | 59.3         | 67.8  | 54.2  | 13.6   | 30.12        | 30.23  | 30.05  | .16    | 66                        | S.E.               | 10.0                             | ...                          | 0.08                | ...                 | 0.08                  | 4                                                 |
| 5                                                 | 62.0         | 68.9  | 56.1  | 12.8   | 30.00        | 30.05  | 29.94  | .11    | 74                        | S.E.               | 9.2                              | 17                           | ...                 | ...                 | ...                   | 5                                                 |
| 6                                                 | 62.9         | 69.8  | 58.2  | 11.6   | 29.79        | 29.95  | 29.68  | .27    | 81                        | S.E.               | 15.8                             | 62                           | 0.03                | ...                 | 0.03                  | 6                                                 |
| 7                                                 | 59.4         | 64.0  | 54.9  | 9.1    | 29.79        | 29.93  | 29.67  | .26    | 72                        | W.                 | 14.6                             | 57                           | ...                 | ...                 | ...                   | 7                                                 |
| 8                                                 | 61.3         | 70.8  | 51.0  | 19.8   | 29.87        | 29.93  | 29.82  | .11    | 59                        | S.W.               | 16.6                             | 73                           | ...                 | ...                 | ...                   | 8                                                 |
| SUNDAY..... 9                                     | 60.2         | 67.0  | 54.5  | 12.5   | 29.78        | 29.86  | 29.73  | .13    | 93                        | S.W.               | 11.3                             | ...                          | 0.71                | ...                 | 0.71                  | 9..... SUNDAY                                     |
| 10                                                | 64.1         | 71.6  | 56.8  | 14.8   | 29.91        | 29.96  | 29.77  | .19    | 77                        | W.                 | 8.7                              | 75                           | ...                 | ...                 | ...                   | 10                                                |
| 11                                                | 61.2         | 68.0  | 56.5  | 11.5   | 29.82        | 29.96  | 29.70  | .26    | 83                        | S.W.               | 10.4                             | 67                           | 0.32                | ...                 | 0.32                  | 11                                                |
| 12                                                | 61.3         | 66.2  | 56.5  | 9.7    | 29.80        | 29.91  | 29.72  | .19    | 74                        | N.W.               | 15.7                             | 62                           | ...                 | ...                 | ...                   | 12                                                |
| 13                                                | 59.8         | 68.5  | 51.1  | 17.4   | 30.00        | 30.06  | 29.91  | .15    | 72                        | N.W.               | 14.9                             | 68                           | ...                 | ...                 | ...                   | 13                                                |
| 14                                                | 61.5         | 70.5  | 53.4  | 16.9   | 30.07        | 30.11  | 30.04  | .07    | 68                        | W.                 | 11.5                             | 60                           | ...                 | ...                 | ...                   | 14                                                |
| 15                                                | 64.0         | 74.3  | 56.1  | 18.2   | 30.09        | 30.13  | 30.06  | .07    | 60                        | N.W.               | 8.2                              | 62                           | 0.01                | ...                 | 0.01                  | 15                                                |
| SUNDAY..... 16                                    | 64.0         | 74.8  | 54.6  | 20.2   | 30.04        | 30.07  | 30.00  | .07    | 73                        | N.W.               | 5.5                              | 32                           | ...                 | ...                 | ...                   | 16..... SUNDAY                                    |
| 17                                                | 64.7         | 73.9  | 57.1  | 16.8   | 29.99        | 30.02  | 29.95  | .07    | 76                        | N.W.               | 9.8                              | 24                           | ...                 | ...                 | ...                   | 17                                                |
| 18                                                | 62.0         | 70.4  | 52.0  | 18.4   | 29.96        | 30.04  | 29.84  | .20    | 83                        | ...                | ...                              | 30                           | 0.03                | ...                 | 0.03                  | 18                                                |
| 19                                                | 69.0         | 77.0  | 62.7  | 14.3   | 29.77        | 29.84  | 29.73  | .11    | 80                        | S.W.               | ...                              | 22                           | 0.66                | ...                 | 0.66                  | 19                                                |
| 20                                                | 64.5         | 74.2  | 61.7  | 12.5   | 29.72        | 29.79  | 29.69  | .10    | 89                        | N.W.               | 8.6                              | ...                          | 0.70                | ...                 | 0.70                  | 20                                                |
| 21                                                | 63.1         | 69.8  | 53.5  | 16.3   | 29.86        | 29.90  | 29.71  | .25    | 68                        | S.W.               | 11.9                             | 53                           | ...                 | ...                 | ...                   | 21                                                |
| 22                                                | 68.6         | 80.2  | 61.0  | 19.2   | 29.57        | 29.73  | 29.45  | .28    | 61                        | S.W.               | 23.0                             | 24                           | 0.57                | ...                 | 0.57                  | 22                                                |
| SUNDAY..... 23                                    | 61.8         | 70.1  | 52.8  | 17.3   | 29.79        | 29.87  | 29.77  | .10    | 59                        | N.W.               | 12.6                             | 51                           | ...                 | ...                 | ...                   | 23..... SUNDAY                                    |
| 24                                                | 59.6         | 67.4  | 43.3  | 24.1   | 29.96        | 29.99  | 29.87  | .12    | 63                        | N.W.               | 6.5                              | 50                           | ...                 | ...                 | ...                   | 24                                                |
| 25                                                | 57.7         | 61.1  | 53.5  | 7.6    | 29.91        | 29.99  | 29.85  | .14    | 82                        | N.E.               | 6.8                              | ...                          | 0.17                | ...                 | 0.17                  | 25                                                |
| 26                                                | 61.4         | 69.0  | 53.4  | 15.6   | 29.97        | 30.02  | 29.90  | .12    | 69                        | N.E.               | 6.3                              | 70                           | ...                 | ...                 | ...                   | 26                                                |
| 27                                                | 61.8         | 69.6  | 52.7  | 16.9   | 30.05        | 30.08  | 30.02  | .03    | 68                        | N.E.               | 6.2                              | 77                           | ...                 | ...                 | ...                   | 27                                                |
| 28                                                | 61.3         | 69.4  | 51.6  | 17.8   | 30.10        | 30.12  | 30.07  | .03    | 67                        | N.W.               | 11.2                             | 66                           | ...                 | ...                 | ...                   | 28                                                |
| 29                                                | 60.9         | 68.1  | 53.8  | 14.3   | 30.14        | 30.17  | 30.11  | .03    | 76                        | N.W.               | 6.1                              | 25                           | ...                 | ...                 | ...                   | 29                                                |
| SUNDAY..... 30                                    | 59.0         | 64.2  | 56.0  | 8.2    | 30.13        | 30.16  | 30.10  | .06    | 79                        | N.E.               | 8.7                              | ...                          | 0.30                | ...                 | 0.30                  | 30..... SUNDAY                                    |
| 31                                                | 59.3         | 62.2  | 51.8  | 8.4    | 30.01        | 30.10  | 29.94  | .16    | 93                        | N.E.               | 6.0                              | ...                          | 0.19                | ...                 | 0.19                  | 31                                                |
| Means.....                                        | 62.00        | 69.52 | 54.60 | 14.92  | 29.969       | 30.006 | 29.898 | .108   | 74.3                      | N. 87° W.          | 10.30                            | 47.1                         | 3.47                | ...                 | 3.47                  | ..... Sums .....                                  |
| 29 Years means for and including this month ..... | 66.55        | 74.78 | 58.68 | 16.10  | 29.942       | .....  | .....  | .133   | 73.6                      | .....              | 11.91                            | 57.5                         | 3.52                | ...                 | 3.52                  | 29 Years means for and including this month ..... |

## m ANALYSIS OF WIND RECORD.

| Direction.....    | N.  | N.E. | E.  | S.E. | S.   | S.W. | W.   | N.W. | Calm. |
|-------------------|-----|------|-----|------|------|------|------|------|-------|
| Miles .....       | 105 | 695  | 316 | 553  | 455  | 1699 | 1095 | 2303 |       |
| Duration in hrs.. | 16  | 104  | 46  | 54   | 41   | 221  | 221  | 215  |       |
| Mean velocity.... | 6.6 | 6.7  | 7.0 | 10.8 | 11.9 | 14.9 | 9.9  | 10.7 |       |

Greatest mileage in one hour was 39 on the 22nd.  
Greatest velocity in gusts was 42 on the 22nd.  
Resultant mileage, 2,701.

Resultant direction, N 87° W.  
Total mileage, 7,206.

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

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

‡ Humidity relative, saturation being 100. Mean of observations at 8, 15 and 20 hours.

§ 22 years only. ¶ 17 years only.

m For 23½ days only.

The greatest heat was 80.2 above zero on the 22nd. The greatest cold was 50.0 above zero on the 1st, giving a range of 30.2 degrees.

Warmest day was the 19th. Coldest day was the 31st.

Highest barometer reading was 30.43 on the 2nd and 3rd; lowest barometer was 29.45 on the 22nd giving a range of .98 inches.

Minimum relative humidity observed, was 47 on the 5th and 23rd.

Rain fell on 13 days.

Thunder and lightning on 5 days.