

Meteorological Abstract for the Year 1896.

Observations made at McGill College Observatory, Montreal, Canada. — Height above sea level 187 ft. Latitude N. 45° 30' 17". Longitude 4^h 54^m 18.67° W.

C. F. McLEOD, Superintendent.

| MONTH. | THERMOMETER. | | | | | * BAROMETER. | | | | † Mean pressure of vapour. | † Mean relative humidity. | Mean dew point. | WIND. | | Sky clouded per cent. | Percent possible bright sunshine | Inches of rain. | Number of days on which rain fell. | Inches of snow. | Number of days on which snow fell. | Inches of rain and snow melted. | No. of days on which rain or snow fell. | No. of days on which rain or snow fell. | MONTH. |
|---|--------------|----------------------------------|-------|--------|-------------------|--------------|--------|--------|-------------------|----------------------------|---------------------------|-----------------|----------------------|----------------------------------|-----------------------|----------------------------------|-----------------|------------------------------------|-----------------|------------------------------------|---------------------------------|---|---|---|
| | Mean. | † Deviation from 21 years means. | Max. | Min. | Mean daily range. | Mean. | Max. | Min. | Mean daily range. | | | | Resultant direction. | Mean velocity in miles per hour. | | | | | | | | | | |
| January | 12.36 | + 0.42 | 35.3 | — 21.2 | 10.83 | 30.1906 | 30.675 | 29.431 | .222 | .0742 | 88.5 | 9.4 | N. 20° W. | 14.5 | 60 | 39.4 | .... | .. | 20.7 | 17 | 2.11 | .. | 17 | January |
| February | 14.75 | — 0.59 | 41.5 | — 23.4 | 14.76 | 29.8314 | 30.601 | 28.786 | .339 | .0915 | 90.3 | 12.4 | N. 30° W. | 20.0 | 60 | 40.7 | 0.35 | 1 | 25.9 | 17 | 8.34 | .. | 18 | February |
| March | 19.65 | — 4.42 | 45.6 | — 3.2 | 14.96 | 29.9339 | 30.682 | 29.639 | .295 | .0995 | 84.5 | 15.5 | N. 51° W. | 19.2 | 55 | 41.0 | 2.13 | 7 | 39.5 | 18 | 6.97 | .. | 21 | March |
| April | 41.48 | + 1.41 | 77.0 | 17.6 | 16.92 | 30.0685 | 30.586 | 29.419 | .167 | .2008 | 74.6 | 33.1 | N. 44° W. | 18.2 | 47 | 55.3 | 0.85 | 12 | 3.2 | 6 | 1.20 | .. | 16 | April |
| May | 57.66 | + 2.92 | 88.7 | 36.0 | 20.10 | 29.9588 | 30.408 | 29.493 | .199 | .3319 | 67.2 | 45.9 | S. 33° W. | 11.5 | 44 | 59.5 | 2.74 | 16 | .... | .. | 3.94 | .. | 16 | May |
| June | 64.59 | — 0.42 | 86.4 | 44.2 | 17.73 | 29.9208 | 30.276 | 29.478 | .154 | .4031 | 65.7 | 52.3 | S. 63° W. | 12.0 | 32 | 64.6 | 4.06 | 11 | .... | .. | 4.06 | .. | 11 | June |
| July | 68.57 | — 0.17 | 89.3 | 51.3 | 16.03 | 29.9323 | 30.338 | 29.458 | .183 | .5182 | 73.6 | 59.5 | S. 55° W. | 13.0 | 49 | 57.2 | 4.84 | 21 | .... | .. | 4.84 | .. | 21 | July |
| August | 66.75 | + 0.04 | 89.7 | 47.8 | 16.32 | 29.9841 | 30.300 | 29.646 | .139 | .4759 | 71.5 | 56.6 | S. 56° W. | 11.5 | 43 | 64.6 | 5.35 | 14 | .... | .. | 5.35 | .. | 14 | August |
| September | 56.81 | — 1.71 | 83.8 | 34.3 | 14.55 | 29.9923 | 30.312 | 29.489 | .205 | .3718 | 78.1 | 49.7 | S. 73° W. | 12.4 | 52 | 52.5 | 3.11 | 17 | .... | .. | 3.11 | .. | 17 | September |
| October | 43.47 | — 2.18 | 58.3 | 21.6 | 12.24 | 30.0033 | 30.638 | 29.523 | .195 | .2279 | 79.3 | 36.5 | N. 50° W. | 12.6 | 64 | 37.8 | 2.48 | 17 | Inap. | 3 | 2.48 | .. | 18 | October |
| November | 34.79 | + 2.23 | 57.6 | 8.8 | 13.85 | 30.1077 | 30.774 | 29.398 | .313 | .1760 | 80.6 | 29.4 | S. 45° W. | 15.6 | 76 | 22.2 | 3.48 | 18 | 5.9 | 12 | 4.19 | .. | 27 | November |
| December | 17.78 | — 1.12 | 42.0 | — 6.9 | 13.26 | 30.1605 | 30.935 | 29.362 | .283 | .0873 | 82.4 | 13.3 | S. 69° W. | 15.6 | 53 | 84.1 | 0.08 | 1 | 10.8 | 14 | 1.09 | .. | 15 | December |
| Sums for 1896 ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 29.47 | 185 | 106.0 | 87 | 41.68 | 11 | 211 | Sums for 1896 ... |
| Means for 1896 ... | 41.52 | — 0.299 | ..... | ..... | 15.13 | 30.0070 | ..... | ..... | .2237 | .2548 | 78.03 | 34.47 | N. 84° W. | 14.63 | 52.9 | 47.41 | ..... | ..... | ..... | .. | 3.47 | .. | 17 | Means for 1896 |
| Means for 22 years ending Dec. 31, 1896 | 41.82 | ..... | ..... | ..... | ..... | 29.9795 | ..... | ..... | ..... | .2521 | 74.88 | ..... | ..... | 15.13 | 60.6 | 45.75 | 28.23 | 133 | 117.6 | 78 | 39.77 | 16 | 200 | Means for 22 years ending Dec. 31, 1896 |

* Barometer readings reduced to 32° Fah. and to sea level. † Inches of mercury. ‡ Saturation 100. § For 15 years only. ¶ “+” indicates that the temperature has been higher; “—” that it has been lower than the average for 22 years inclusive of 1896. The monthly means are derived from readings taken every 4th hour, beginning with 3 h. 0 m. Eastern Standard time. The anemometer and wind vane are on the summit of Mount Royal, 57 feet above the ground and 810 feet above the sea level. a For 10 years only.

The greatest heat was 89.7° on August 11: the greatest cold was 23.4° below zero on February 18. The extreme range of temperature was therefore 113.1. Greatest range of the thermometer in one day was 39.6° on November 19; least range was 2.8° on February 6. The warmest day was August 11, when the mean temperature was 81.15°. The coldest day was February 17, when the mean temperature was 16.02° below zero. The highest barometer reading was 30.935 on December 27. Lowest barometer reading was 28.786 on February 7, giving a range of 2.149 inches for the year. The lowest relative humidity was 28 on May 1. The greatest mileage of wind recorded in one hour was 66 miles per hour on February 11, and the greatest velocity in gusts was at the rate of 90 miles per hour on February 11. The total mileage of wind was 126,550. The resultant direction of the wind for the year is N. 84° W., and the resultant mileage was 41,780. Auroras were observed on 17 nights. Fogs on 8 days. Thunder storms on 15 days. Lunar halos on 8 nights. Solar coronas on 9 nights. Solar corona on 1 day. Mock suns on 1 day. The sleighing of the winter commenced in the city on November 23. The first appreciable snowfall of the autumn was on November 15.

NOTE.—The yearly means of the above, are the averages of the monthly means, except for the velocity of the wind.