

METEOROLOGICAL ABSTRACT FOR THE YEAR 1891.

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^s.55 W.

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MONTH.	THERMOMETER.					* BAROMETER.				† Mean pressure of vapour.	‡ Mean relative humidity.	Mean dew point.	WIND		Sky clouded per cent.	Per cent. 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 and snow fell.	No. of days on which rain or snow fell.	MONTH.	
	Mean.	† Deviation from 17 year means.	Max.	Min.	Mean daily range.	Mean.	Max.	Min.	Mean daily range.				Resultant direction.	Mean velocity in miles per hour.											
January	15.38	+ 3.38	38.5	- 15.0	13.88	30.0308	30.719	28.874	.307	.0826	81.8	10.7	N. 43° W.	15.6	74.8	29.0	1.29	6	21.0	23	3.30	5	24	January	
February	17.36	+ 1.77	45.2	- 13.0	19.11	29.9984	30.725	29.225	.373	.0886	77.7	11.4	S. 32° W.	17.3	66.8	38.7	1.62	8	18.7	15	3.14	5	18	February	
March	25.94	+ 1.95	49.0	- 2.1	14.18	30.1157	30.659	29.118	.243	.1098	72.1	18.0	S. 87° W.	15.6	54.6	54.7	2.65	9	16.3	8	3.92	2	15	March	
April	42.19	+ 2.43	72.0	21.8	18.19	29.9198	30.538	29.441	.214	.1862	67.3	31.5	S. 72° W.	16.2	68.1	41.5	2.38	12	7.1	6	3.26	2	16	April	
May	52.36	- 2.09	80.0	31.7	20.84	29.9845	30.312	29.608	.162	.2513	61.7	38.5	S. 58° W.	14.7	59.9	55.3	1.71	12	...	1	1.71	1	12	May	
June	65.17	+ 0.67	80.0	40.4	19.98	29.9192	30.245	29.620	.114	.4052	63.6	51.6	S. 72° W.	15.9	58.6	58.4	1.75	8	...	...	1.75	...	8	June
July	66.33	- 0.30	86.8	45.6	17.00	29.9401	30.357	29.563	.131	.4564	70.9	55.9	S. 34° W.	13.0	57.1	52.9	4.80	20	...	...	4.80	...	20	July
August	65.65	- 0.30	84.2	50.6	17.40	29.9422	30.283	29.464	.140	.4751	73.0	57.0	S. 44° W.	10.8	53.0	58.4	3.70	14	...	...	3.70	...	14	August
September	62.29	+ 3.56	83.5	42.5	17.12	30.0871	30.473	29.732	.167	.4285	74.9	53.9	S. 71° W.	11.6	44.0	62.7	1.03	14	...	...	1.03	...	14	September
October	45.14	+ 0.08	80.1	24.5	13.45	30.0241	30.762	29.550	.218	.2416	76.6	37.9	S. 67° W.	13.0	60.0	41.9	2.38	13	1.5	3	2.53	2	14	October	
November	35.10	+ 2.87	60.4	0.0	17.21	30.0406	30.620	29.013	.265	.1673	74.4	28.0	S. 24° W.	16.3	72.0	35.9	2.71	13	3.5	7	3.06	3	17	November	
December	29.71	+ 19.75	52.5	- 4.0	14.11	30.0365	30.725	29.272	.303	.1387	78.4	23.5	S. 40° W.	26.9	64.8	37.7	2.14	11	12.0	11	2.34	5	17	December	
Sums for 1891	Sums for 1891
Means for 1891	43.63	+ 1.88	.....	.....	16.87	30.0032	.....	.....	.220	.2524	72.7	34.8	S. 52° W.	14.99	61.1	47.3	.....	.....	.....	.....	35.54	25	189	Means for 1891
Means for 17 years ending Dec. 31, 1891	41.75	.....	.....	.....	.....	29.9781	.....	.....	.....	.2495	74.3	.....	.....	* 15.27	61.4	546.2	28.13	134	122.0	83	39.97	16	201	Means for 17 years ending Dec. 31, 1891

* Barometer readings reduced to 32° Fah., and to sea level. † Inches of mercury. ‡ Saturation, 100. § For 10 years only. * For 5 years only. † "+" indicates that the temperature has been higher; "-" that it has been lower than the average for 17 years, inclusive of 1891. The monthly means are derived from readings taken every 4th hour, beginning with 3h. 0m, Eastern Standard time. The anemometer and wind vane are on the summit of Mount Royal, 57 feet above the ground, and 810 feet above sea level.

The greatest heat was 90.0 on June 16th; greatest cold 15.0 below zero on January 17th; extreme range of temperature was therefore 105°.0. Greatest range of the thermometer in one day was 49.9 on Jan. 1st; least range was 4°.1 on Aug. 21st. The warmest day was July 13th, when the mean temperature was 77.22. The coldest day was Jan. 16th, when the mean temperature was 6.7 below zero. The highest barometer reading was 30.725 on Feb. 14th and Dec. 31st; the lowest was 28.874 on Jan. 12th, giving a range of 1.851 for the year. The lowest relative humidity was 25 on May 13th and June 7th. The greatest mileage of wind recorded in one hour was 59 on Mar. 3rd, and the greatest velocity in gusts was at the rate of 72 in. p. h. The total mileage of wind was 131,316. The resultant direction of the wind for the year was S. 52° W., and the resultant mileage 51,200. Auroras were observed on 12 nights. Fogs on 26 days. Hoar-frost on 17 days. Thunder storms on 18 days. Lunar halos on 8 nights. Lunar coronas on 4 nights. Solar halos on 3 days and on Dec 6th, coloured halos of 22° and 46° with contact arcs and parhelia. The sleighing of the winter closed, in the city, on March 27th, and snow all gone on open ground on April 10th. The first snowfall of the autumn was on October 11th. The first sleighing of the winter was on December 7th.

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