

Meteorological Abstract for the Year 1904.

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. 67' W.

C. H. McLEOD, Superintendent.

MONTH.	THERMOMETER.					* BAROMETER.				Mean relative humidity.	WIND.		Percent possible sunshine.	PRECIPITATION.						MONTH.	
	+ Mean.	+ Deviation from 30 years means.	Max.	Min.	Mean daily range.	+ Mean.	Max.	Min.	Mean daily range.		Resultant direction.	Mean velocity in miles per hour.		Inches of rain.	Number of days on which rain (or sleet) fell.	Inches of snow.	Number of days on which snow fell.	Inches of rain and melted snow.	No. of days on which rain and snow fell.		No. of days on which rain or snow fell.
January	8.17	- 4.12	34.5	-20.7	15.6	30.077	30.96	29.21	.36	78.4	West	16.66	17.8	....	..	38.3	21	3.65	..	21	January
February	7.23	- 8.22	38.0	-18.7	16.0	30.114	30.61	29.31	.32	75.4	S. 83° W.	19.26	24.8	0.35	3	21.5	29	2.51	3	20	February
March	24.78	..	44.2	- 5.4	14.3	30.062	30.94	29.14	.36	82.9	S. 69° W.	17.50	38.8	2.40	7	15.9	14	4.01	4	17	March
April	39.27	- 1.52	61.8	19.5	14.3	29.943	30.50	29.43	.24	76.0	West	17.05	33.7	3.14	12	6.5	5	3.81	0	17	April
May	59.72	+ 4.79	78.9	39.8	18.9	29.925	30.30	29.42	.18	66.5	S. 59° W.	15.62	56.0	4.80	11	....	..	4.80	..	11	May
June	64.60	- .13	83.8	46.6	16.3	29.985	30.30	29.48	.17	85.0	N. 51° W.	9.70	60.4	2.81	13	....	..	2.81	..	13	June
July	68.38	- .42	90.1	49.5	15.4	29.929	30.18	29.44	.12	77.5	N. 73° W.	8.94	54.0	2.95	17	....	..	2.95	..	17	July
August	64.39	- 2.08	81.8	50.0	15.4	29.981	30.38	29.54	.23	77.5	S. 74° W.	11.69	60.6	5.26	13	....	..	5.26	..	13	August
September	54.22	- 4.27	74.1	34.2	14.4	30.039	30.57	29.34	.25	83.3	S. 66° W.	13.00	43.8	6.66	15	0.0	1	6.66	0	16	September
October	43.39	- 2.52	68.0	23.0	13.1	30.034	30.57	29.21	.26	87.8	S. 43° W.	14.64	35.1	3.21	14	0.0	1	3.21	0	15	October
November	29.61	- 2.91	51.8	6.9	11.9	29.959	30.72	29.24	.27	86.7	N. 30° W.	12.57	21.6	0.39	6	10.6	9	1.22	0	15	November
December	9.44	- 9.17	36.4	-14.0	12.7	30.032	30.62	29.08	.30	79.2	N. 80° W.	11.65	28.8	0.48	3	30.3	17	3.56	3	17	December
Means for 1904	30.44	- 2.56	....	....	14.9	30.007	....	....	.26	79.7	S. 82° W.	14.0	39.6	32.45	114	123.1	88	44.25	10	192	Sums for 1904
Means for 1904 .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Means for 1904
Means for 30 years ending / Dec. 31, 1904. {	42.00	....	....	....	....	29.980	....	....	....	75.7	....	14.75	45.1	29.05	.....	120.4	..	41.08	..	..	{ Means for 30 years ending / Dec. 31, 1904. }

* Barometer readings reduced to 32° Fah. and to sea level. † The monthly thermometer and barometer means are derived from bi-hourly readings taken from self-recording instruments, beginning 1 h. 0 m. Eastern Standard time. ‡ "†" indicates that the temperature has been higher; "—" that it has been lower than the average for 30 years inclusive of 1901. § Humidity relative, station being 100, the humidity means are derived from observations made at 8 h, 15 h and 20 h. ¶ For 23 years only. ** For 18 years only. The anemometer and wind vane are on the summit of Mount Royal, 54 feet above the ground and 397 feet above sea level.

The greatest heat was 90.1° (Fah.) above zero on July 19th; the greatest cold was 20.7 below zero on Jan. 4th. The extreme range of temperature was, therefore, 110.8°. The greatest thermometer range in one day was 33.2° on Feb. 1st; least range was 3.6° on Dec. 23rd. The warmest day was July 19th, when the mean temperature was 78.3° above zero. The coldest day was Jan. 4th, when the mean temperature was 14.6° below zero. The minimum relative humidity observed was 30 on Jan. 4th and May 6th. The greatest mileage of wind recorded in one hour was 56 on Feb. 16th, and the greatest velocity in gusts was at the rate of 72 miles per hour on Feb. 16, March 3rd and April 5th. The total mileage of wind was 122,261. The resultant direction of the wind for the year was S. 82° W., and the resultant mileage 4055. Lunar halo was observed on 1 night. Lunar coronas on 2 nights. Auroras on 3 nights.

Earthquakes on March 21st and Sept. 14th.

Fog on 2 days; thunderstorms on 21 days; total number of thunderstorms 24. First sleighing of winter in city was on Nov. 27th. The first appreciable snowfall of the autumn was on Nov. 25th. The first trace of snow was on Sept. 21st.

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