

Meteorological Abstract for the Year 1901.

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^s W.

C. H. McLEOD, Superintendent.

MONTH.	THERMOMETER.					• BAROMETER.				Mean relative humidity.	WIND.		Per cent. possible bright sunshine	PRECIPITATION.						MONTH.	
	+ Mean.	† Deviation from 27 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	12.75	+ 0.43	39.6	- 16.7	15.27	29.978	30.78	29.03	.387	86.5	W. 6°38' N.	16.58	34.1	0.27	4	27.1	17	2.98	2	19	January
February	12.46	- 3.09	29.5	- 1.0	11.67	29.825	30.39	29.41	.190	81.1	W. 3°43' N.	19.58	43.5	.....	.....	22.4	13	2.01	..	13	February
March	24.87	+ 0.54	40.0	- 0.0	13.27	29.878	30.51	29.29	.303	79.6	W. 9°12' N.	17.91	30.4	2.90	7	26.0	20	7.32	4	23	March
April	43.61	+ 3.02	75.2	30.7	14.35	30.049	30.48	29.61	.167	73.9	N. 44°38' E.	17.47	39.3	4.01	16	1.3	2	4.19	2	16	April
May	56.17	+ 1.45	79.4	40.1	14.82	29.863	30.24	29.40	.187	68.0	S. 23°43' W.	9.19	43.8	2.50	19	.....	.....	2.50	..	19	May
June	66.83	+ 1.86	92.0	43.7	17.20	29.890	30.23	29.55	.137	70.8	W. 40°14' S.	11.15	61.5	1.97	12	.....	.....	1.97	..	12	June
July	76.27	+ 1.38	93.7	53.7	16.16	29.907	30.24	29.59	.150	67.7	W. 22°51' N.	11.56	57.9	5.27	12	.....	.....	5.27	..	12	July
August	87.31	+ 0.83	84.7	55.0	14.61	29.993	30.28	29.71	.116	76.0	W. 27°29' N.	10.36	49.2	5.44	14	.....	.....	5.44	..	14	August
September	60.36	+ 1.83	83.0	35.9	15.02	30.011	30.57	29.49	.208	76.6	W. 13°28' N.	11.87	60.3	3.95	13	.....	.....	3.95	..	13	September
October	47.17	+ 1.22	70.0	30.0	13.17	30.041	30.65	29.36	.242	75.8	W. 16°15' S.	14.11	41.8	3.50	12	1.0	3	3.80	3	12	October
November	28.73	- 3.00	57.7	- 4.3	9.29	29.963	30.45	29.11	.234	82.8	W. 19°47' N.	14.81	23.8	1.05	5	29.2	18	4.07	2	21	November
December	21.58	+ 2.34	59.1	- 4.7	11.45	30.038	30.58	29.42	.280	83.6	W. 32°55' S.	14.23	08.6	2.89	6	15.1	13	4.68	3	16	December
Sums for 1901 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Sums for 1901
Means for 1901	42.67	+ 0.71	.....	.....	13.94	29.953	.....	.....	.219	76.87	W. 8° N.	14.07	41.18	.....	120	121.1	86	47.98	16	190	Means for 1901
Means for 27 years ending / Dec. 31, 1901	42.03	.....	.....	.....	.....	29.980	.....	.....	.....	75.49	.....	14.95	\$45.75	28.84	134	120.93	80	40.94	16	201	Means for 27 years ending / Dec. 31, 1901

* Barometer readings reduced to 32° Fah. and to sea level. † The monthly thermometer and barometer means are derived from bihourly 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 27 years inclusive of 1901. § Humidity relative, saturation being 100; the humidity means are derived from observations made at 8 h, 15 h and 20 h. ¶ For 20 years only. α For 15 years only. The anemometer and wind vane are on the summit of Mount Royal, 54 feet above the ground and 807 feet above sea level. The wind tower on the mountain was burned down on April 29th; it was replaced by a steel structure, and the instruments were set up on June 26th; the readings for the intervening period were obtained from the anemometer and wind vane on the City Hall.

The greatest heat was 93.7° above zero (Fah.) on July 16th; the greatest cold was 16.7 below zero on Jan. 19th. The extreme range of temperature was, therefore 110.4°. Greatest thermometer range in one day was 38.6° on Jan. 21; least range was 2.2° on Dec. 29th. The warmest day was July 16th, when the mean temperature was 82.84° above zero. The coldest day was Jan. 19th, when the mean temperature was 13.77° below zero. The minimum relative humidity observed was 24 on May 3rd. The greatest mileage of wind recorded in one hour was 55 on Feb. 15th, and the greatest velocity in gusts was at the rate of 60 miles per hour on Feb. 15th. The total mileage of wind was 123,240. The resultant direction of the wind for the year was W. 8° N., and the resultant mileage 59,200. Lunar halos were observed; on 4 nights; lunar coronas on 6 nights; fog on 13 days; thunderstorms on 15 days; total number of thunderstorms 17. First sleighing of winter in city was on Nov. 13th. The first appreciable snowfall of the autumn was on Oct. 19th. The first trace of snow was on Oct. 18th.

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