

Meteorological Abstract for the Year 1899.

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. H. McLEOD, Superintendent.

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 melted snow.	No. of days on which rain and snow fell.	No. of days on which rain or snow fell.	MONTH.
	Mean.	‡ Deviation from 25 years means.	Max.	Min.	Mean daily range.	Mean.	Max.	Min.	Mean daily range.				Resultant direction.	Mean velocity in miles per hour.										
January	14.24	+ 2.10	49.0	- 19.4	18.91	30.0571	30.777	28.219	.418	.0835	53.2	10.0	S. 46° W.	17.97	54	39.5	2.03	5	25.1	19	4.62	3	21	January
February	16.13	+ 0.47	41.0	- 13.1	12.18	29.9436	30.573	29.274	.318	.0854	79.5	10.7	S. 45° W.	18.56	33	48.4	0.51	5	9.1	16	1.63	4	17	February
March	22.16	+ 2.34	42.5	- 5.0	13.34	29.9854	30.583	28.998	.385	.1035	81.9	17.6	S. 75° W.	15.66	60	39.2	2.23	43.7	29	9.31	7	21	March	
April	42.85	+ 3.50	52.0	21.5	15.94	30.0372	30.469	29.395	.176	.2042	70.7	33.5	S. 45° W.	13.68	46	63.0	1.37	13	1.9	3	1.63	13	14	April
May	56.58	+ 1.79	78.4	35.0	18.75	29.9706	30.264	29.611	.162	.3041	68.1	45.3	S. 54° W.	13.47	47	61.0	1.59	14	...	...	1.59	...	14	May
June	65.97	+ 1.08	87.0	51.0	17.43	29.9175	30.227	29.491	.167	.4426	68.7	54.6	S. 66° W.	12.78	50	63.7	1.46	15	...	...	2.46	...	16	June
July	68.31	+ 0.57	84.4	51.1	16.55	29.8762	30.163	29.590	.135	.5149	74.3	59.3	S. 45° W.	13.92	56	63.5	1.72	21	...	...	7.72	...	21	July
August	68.84	+ 2.12	85.8	51.2	16.64	29.9518	30.270	29.623	.114	.5013	70.7	58.3	S. 45° W.	11.43	44	64.3	2.52	11	...	...	2.52	...	11	August
September	54.50	+ 3.59	77.6	35.1	14.80	29.9646	30.425	29.463	.230	.3382	76.9	47.4	S. 18° W.	14.67	57	43.2	5.08	17	...	...	5.08	...	17	September
October	49.17	+ 3.53	73.8	30.0	13.28	30.1631	30.1631	30.512	.230	.2773	75.5	41.4	S. 61° W.	10.23	63	39.7	3.39	12	0	2	3.39	1	13	October
November	34.45	+ 1.56	48.7	16.6	9.27	30.0146	30.563	29.549	.235	.1655	80.8	29.0	S. 79° W.	13.52	66	25.7	1.69	12	2.4	6	1.84	2	16	November
December	24.65	+ 5.49	56.4	- 12.3	13.02	29.9903	30.634	29.088	.308	.1302	88.6	21.7	S. 40° W.	13.73	72	17.4	2.35	9	24.9	15	4.84	4	20	December
Sums for 1899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32.83	143	107.1	81	45.85	23	301	Sums for 1899
Means for 1899	43.18	+ 1.20	...	...	15.01	29.9902	...	...	.235	.2625	76.6	35.7	S. 54° W.	14.09	55	47.6	...	...	...	...	3.82	...	...	Means for 1899
Means for 25 years ending Dec. 31, 1899	41.98	...	...	...	...	29.9812	...	...	...	.2541	75.2	...	...	α 14.97	60	545.91	28.41	135	118.7	79	40.17	16	202	Means for 25 years ending Dec. 31, 1899

* Barometer readings reduced to 32° Fah. and to sea level. † Inches of mercury. ‡ Saturation 100. § For 18 years only. α For 13 years only. ¶ "4" indicates that the temperature has been higher: "—" that it has been lower than the average for 25 years inclusive of 1899. 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.

The greatest heat was 88.8° above zero on Aug. 21; the greatest cold was 19.4° below zero on January 10. The extreme range of temperature was, therefore 108.2°. Greatest range of thermometer in one day was 45.9° on January 27; least range was 2.8° on November 21. The warmest day was June 13, when the mean temperature was 76.43 above zero. The coldest day was January 10, when the mean temperature was 13.23 below zero. The lowest relative humidity was 30 on June 29. The greatest mileage of wind recorded in one hour was 34 miles on January 27, and the greatest velocity in gusts was at the rate of 66 miles per hour on March 6. The total mileage of wind was 123,444. The resultant direction of the wind for the year was S. 54° W., and the resultant mileage 53,900. Auroras were observed on 9 nights; fog on 42 days; thunder storms on 12 days; lunar halos on 8 nights; lunar coronas on 45 nights; Mock suns on 2 days. First sleighing of winter in city on November 12. The first appreciable snowfall of the autumn was on November 11.

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