

ABSTRACT FOR THE MONTH OF JANUARY, 1874.
Barometer reduced to 32° Fahr., and to sea level; estimated height about 100 feet.

STATION..... MONTREAL. OBSERVER..... THOS. D. KING

DAY.	THERM METER.					BAROMETER.					Snow melted	Rain and Sleet	Mean	
	a m.	3 m.	6 m.	Mean	Max	9 a.m.	3 p.m.	9 p.m.	Mean					
1	30.5	34.3	39.0	31.6	35.1	25.2	10.1	16.2	10.2	30.135				
2	18.9	27.9	29.2	24.9	29.2	16.8	12.4	16.7	20.95					
3	30.1	40.5	40.5	33.9	40.5	29.2	9.0	30.817	30.817	0.31				
4	41.0	45.5	47.2	38.5	47.2	38.2	9.0	29.817	29.817	0.65				
5	21.0	34.1	34.5	27.5	34.5	20.0	4.5	31.475	31.475	0.65				
6	13.8	18.3	19.5	21.5	22.2	20.0	4.5	30.547	30.547	0.43				
7	2.0	33.0	33.5	22.7	33.5	21.4	11.9	29.875	29.875	1.05				
8	34.0	36.7	35.5	33.4	36.8	31.2	9.1	29.381	29.381	0.71				
9	32.2	37.2	33.3	33.3	33.8	30.0	5.1	29.701	29.701					
10	33.3	35.0	33.0	34.8	36.9	29.2	7.3	29.341	29.341					
11	34.0	29.5	24.9	23.0	34.0	25.2	7.3	29.437	29.437					
12	10.9	15.5	12.7	15.0	14.5	22.2	7.8	31.169	31.169					
13	9.8	13.8	9.8	11.2	14.8	7.8	7.5	31.473	31.473					
14	11.6	17.5	19.5	11.5	15.3	7.8	3.0	30.688	30.688					
15	10.2	12.0	5.7	8.6	11.5	8.5	3.0	29.838	29.838					
16	4.1	5.5	3.2	3.6	6.5	0.9	5.6	30.421	30.421					
17	1.5	0.8	2.0	2.7	12.5	10.8	22.1	30.589	30.589					
18	19.2	31.5	24.8	25.2	32.9	18.8	15.1	21.859	21.859					
19	33.2	37.0	26.8	31.1	37.2	22.8	9.4	21.859	21.859					
20	5.0	11.3	6.0	7.4	13.2	2.8	9.4	30.571	30.571					
21	8.5	29.0	23.5	23.8	24.5	-0.0	30.5	30.288	30.288					
22	8.1	35.1	39.8	31.4	39.8	21.8	18.0	29.844	29.844					
23	38.4	41.0	46.5	37.3	46.5	37.7	4.3	30.517	30.517					
24	17.5	41.3	18.0	7.3	24.5	14.0	1.5	30.061	30.061					
25	4.5	4.2	4.2	-2.9	3.6	-8.0	10.5	30.413	30.413					
26	15.3	8.5	9.3	-1.0	-8.1	-18.8	10.5	30.042	30.042					
27	3.1	-2.7	2.6	-2.5	2.8	-12.2	14.8	29.962	29.962					
28	7.4	13.0	5.0	11.5	15.0	1.0	5.0	30.152	30.152					
29	5.6	6.0	8.4	4.3	6.0	-4.1	-12.5	30.581	30.581					
30	11.0	-4.1	-11.8	-9.0	-4.1	-12.5	8.4	31.405	31.405					
31	10.0	-0.2	-1.0	-1.7	0.0	-17.0	17.0							
MEANS.				18.46	22.70	11.89								30.043

Constant + 0.10 used in all
 Barometer Readings.

Maximum of the month 47.2
 Greatest range of Bar. 0.039

Lowest Bar. 29.382, and daily
 Mean

Lowest range of Ther. 3.0

Partly rain and snow, and on
 both days.

Highest daily mean of Bar.
 Greatest range of Ther. 30.5

Minimum of the month - 18.8

Partly 27, and 28 snow

Highest Barometer 30.598

Mean temperature of the month, 18.46; mean of the maxima and minima temperatures, 17.3; greatest heat on the 4th, 47.2; greatest cold on the 26th, 18.8 below zero—giving a range of temperature of sixty-six degrees. Greatest range of the thermometer on the 21st, 30.5; lowest range on the 15th, 3.0.

Mean height of the barometer corrected for temperature 32°, and reduced to sea level (constant applied + 0.100) 30.043; highest reading of barometer on the 30th, 30.598; lowest reading on the 8th, 29.382—giving a range of 1.216 inches.

Rain and snow fell on fifteen days; amount of precipitation when the snow was reduced to its equivalent of water, 5.64 inches. Be reckoning 9 inches of snow to be equivalent to 1 inch of rain-water, the depth of the snow fall may be estimated at 2 feet 7 inches.