

**MONTHLY METEOROLOGICAL REGISTER, AT H. M. MAGNETICAL OBSERVATORY TORONTO, O. W. - DECEMBER, 1850.**  
 Latitude 43°. 39'. 4 N. Longitude 79°. 51'. 6 W. Elevation above Lake Ontario, 105 feet - For the British American Medical and Physical Journal.

Barometer at Temp. of 32°		Temperature of the Air.		Tension of Vapour.		Humidity of the Air.		Wind.		In. of Rain.		Weather.		
6 A.M.	2 P.M.	10 P.M.	MEAN.	6 A.M.	2 P.M.	10 P.M.	MEAN.	6 A.M.	2 P.M.	10 P.M.	MEAN.			
30	29.646	29.610	29.540	29.646	29.610	29.646	29.646	32.2	32.2	32.2	32.2	32.2	1.140	Light clouds; fine; snow during night.
29	29.297	29.136	29.399	29.400	29.400	29.400	29.400	30.4	30.4	30.4	30.4	30.4	0.050	Dusty clouded; raining fr midnight.
28	29.730	29.786	29.789	29.781	29.781	29.781	29.781	31.6	31.6	31.6	31.6	31.6	0.050	Dense rain cloud; clearing fr 4 pm.
27	29.696	29.872	29.876	29.876	29.876	29.876	29.876	31.6	31.6	31.6	31.6	31.6	0.050	Morning fine; generally clear fr 2 pm.
26	29.297	29.771	29.774	29.832	29.832	29.832	29.832	32.0	32.0	32.0	32.0	32.0	0.050	Slight snow fr 7 am; generally clear.
25	29.297	29.771	29.774	29.832	29.832	29.832	29.832	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
24	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
23	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
22	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
21	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
20	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
19	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
18	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
17	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
16	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
15	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
14	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
13	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
12	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
11	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
10	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
9	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
8	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
7	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
6	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
5	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
4	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
3	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
2	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.
1	29.497	29.100	29.389	29.348	29.348	29.348	29.348	32.0	32.0	32.0	32.0	32.0	0.050	Clear all day; com snowing fr 11 pm.

Highest Barometer..... 29.920 at 6 p.m. on 23rd  
 Lowest do..... 28.820 at 4 a.m. on 3rd  
 Highest obs. Temperature..... 48.8 at 4 p.m. on 3rd  
 Lowest do..... 0.0 at 8 a.m. on 24th  
 Mean Max. Therm. 47.78 } Mean Daily  
 Mean Min. Therm. 15.05 } Range 11.83  
 Greatest Daily range..... 32.1 from 1 p.m. to a.m. of 13th  
 Warmest Day, 30th - Do 32.1 } Difference 31.73  
 Coldest Day, 30th - Do 15.05 }  
 Warmest hour, 2 p.m. - Mean temperature, 25.83  
 Coldest hour, 4 a.m. - do 20.63  
 Mean Diurnal Variation..... 4.29

Monthly Storm of the Atmospheric Currents in miles resolved into the to f  
 Cardinal directions: North, 2640.8; West, 2515.0; South, 1085.8; East, 591.5  
 Mean velocity of the wind, 7.40 miles per hour.  
 Greatest velocity, 28.0 miles from S to N, A.M. on the 23rd  
 Mean Windy day, 23rd: mean velocity per hour, 16.64 miles  
 Least do, 5th, do, 1.94 miles  
 Most Windy hour, 1 p.m., mean velocity, 8.50 miles per do,  
 Least do, 6 p.m., do, 0.73 do,  
 Mean diurnal variation, 1.86 miles per hour.

Year	Mean	Max.	Min.	Range.	No. of days	inches	Days	inches
1850..	51.80	42.1	6.6	40.7	3	0.800	18	..
1849..	52.90	40.5	2.1	38.4	3	0.880	19	..
1848..	52.83	48.5	2.1	46.4	6	1.010	8	8.4
1847..	52.83	48.5	1.6	46.9	6	1.010	8	8.4
1846..	51.40	53.7	2.4	42.1	4	1.185	15	4.7
1845..	51.40	53.7	2.4	42.1	4	1.185	15	4.7
1844..	51.40	53.7	2.4	42.1	4	1.185	15	4.7
1843..	51.40	53.7	2.4	42.1	4	1.185	15	4.7
1842..	51.40	53.7	2.4	42.1	4	1.185	15	4.7
1841..	51.40	53.7	2.4	42.1	4	1.185	15	4.7
1840..	51.40	53.7	2.4	42.1	4	1.185	15	4.7
1839..	52.75	49.8	8.0	41.8	7	1.190	19	29.5