

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR DECEMBER, 1865.

NOTE.—The monthly means do not include Sunday observations. The daily means, excepting those that relate to the wind, are derived from six observations daily, namely at 6 A.M., 8 A.M., 2 P.M., 4 P.M., 10 P.M., and midnight. The means and resultants for the wind are from hourly observations.

Highest Barometer . . . . . 30.151 at 8 a.m. on 23rd. } Monthly range = 1.225 inches.  
 Lowest Barometer . . . . . 28.926 at midnight on 20th. }  
 Maximum Temperature . . . . . 54° 2 on 4th. } Monthly range = 48° 5  
 Minimum Temperature . . . . . 5° 7 on 23rd. }  
 Mean Maximum Temperature . . . . . 34° 73 } Mean daily range = 11° 41  
 Mean Minimum Temperature . . . . . 23° 33 }  
 Greatest daily range . . . . . 39° 6 from p.m. of 22nd to p.m. of 23rd.  
 Least daily range . . . . . 3° 2 from a.m. to p.m. of 20th.  
 Warmest day . . . . . 4th. . . . . Mean Temperature . . . . . 41° 72 } Difference = 29° 37  
 Coldest day . . . . . 22nd. . . . . Mean Temperature . . . . . 13° 35 }  
 Maximum } Solar . . . . . 91° 0 on 7th. } Monthly range = 100° 0  
 Radiation } Terrestrial . . . . . -6° 0 on 16th. }  
 Possible to see Aurora on 13 nights; impossible on 18 nights.  
 Snowing on 11 days; depth 5.2 inches; duration of fall 39.6 hours.  
 Raining on 7 days; depth 1.727 inches; duration of fall 33.1 hours.  
 Mean of cloudiness = 0.78; most cloudy hour observed, 4 p.m.; mean = 0.82; least cloudy hour observed, 10 p.m.; mean = 0.63.

Sums of the components of the Atmospheric Current, expressed in Miles.

North. South. East. West.  
 1050.71 1397.97 1002.47 3241.48

Resultant Direction, S. 81° W.; Resultant Velocity, 3.07 miles per hour.

Mean Velocity, 7.33 miles per hour.  
 Maximum Velocity, 31.0 miles, from noon to 1 p.m. on 7th.  
 Most windy day, 19th—Mean velocity, 16.75 miles per hour.  
 Least windy day, 26th—Mean velocity, 0.60 miles per hour.  
 Most windy hour, 1 p.m.—Mean velocity, 10.50 miles per hour.  
 Least windy hour, 6 a.m.—Mean velocity, 5.46 miles per hour.  
 4th. very dense fog, 11th. Solar halo. 13th. Solar halo and parhelia.  
 23rd. Lunar halo. 26th. Fog at night. 28th. Lunar corona at 8 p.m.  
 29th. Lunar corona at 6 p.m. No Aurora observed during the month.  
 17th. Bay frozen over; broke up with the change of wind on the following day.

December, 1865, was comparatively warm and calm. As regards moisture, although the quantity of rain was above the average, the snow was so much less as to make the month a very dry one.

COMPARATIVE TABLE FOR DECEMBER.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.	
	Mean.	Excess above	Minimum observed.	Range.	No. of days	Inches.	No. of days	Inches.	Direction.	Resultant.
1840	24.3	-1.9	41.0	45.4	3	1.14	18	...	...	...
1841	29.7	+2.5	45.5	43.1	7	0.880	5	...	...	1.33 lbs
1842	24.7	+1.5	40.3	38.5	3	0.850	7	...	...	0.61 "
1843	30.0	+3.8	41.1	38.4	6	1.016	8	8.1	...	0.53 "
1844	28.2	+2.0	48.9	49.7	2	1.14	6	4.2	...	0.40 "
1845	21.1	+5.1	37.6	40.3	6	1.14	12	4.7	...	0.70 "
1846	27.5	+1.3	49.2	45.5	5	1.215	9	6.0	...	0.57 "
1847	30.1	+3.0	50.0	43.4	7	1.185	8	6.8	...	0.35 "
1848	29.1	+2.9	49.1	48.5	7	2.750	7	16.5	833 W	1.12
1849	26.5	+0.3	41.3	46.5	5	0.841	12	0.6	N 82 W	2.56
1850	21.7	+4.5	48.3	58.0	2	1.077	15	10.7	N 42 W	4.00
1851	21.5	+4.7	43.8	54.3	6	1.077	15	10.7	N 84 W	7.40
1852	31.9	+5.7	51.0	37.1	7	3.995	10	20.1	N 42 W	2.93
1853	25.3	+0.9	42.2	47.4	4	0.627	13	22.3	N 35 W	2.39
1854	21.9	+4.3	41.8	47.7	5	0.591	12	17.2	N 44 W	4.36
1855	26.8	+0.6	45.0	48.0	6	1.847	10	29.5	N 88 W	5.26
1856	22.9	+3.3	41.2	50.3	6	1.784	20	16.3	N 87 W	4.62
1857	31.4	+5.7	45.6	39.9	7	3.201	14	9.0	N 89 W	2.50
1858	27.4	+1.2	43.6	57.7	11	1.657	18	10.4	N 78 W	1.06
1859	17.9	+8.3	44.8	58.1	3	1.033	23	37.4	N 53 W	4.39
1860	24.0	+2.2	38.5	45.5	3	1.367	21	13.5	N 62 W	4.66
1861	31.1	+4.9	55.1	49.4	6	0.567	8	6.8	N 72 W	3.16
1862	28.8	+2.6	50.0	52.3	5	1.943	8	10.4	N 73 W	7.96
1863	27.7	+0.8	51.5	50.5	10	2.964	17	7.1	N 41 W	1.61
1864	24.7	+1.5	46.8	49.1	9	2.047	18	27.1	N 82 W	4.91
1865	27.7	+1.5	50.4	44.7	7	1.727	11	5.2	N 81 W	3.07
Results to 1861,	26.20	...	45.76	46.54	5.6	1.643	13.1	14.69	N 71 W	2.97
Exc. for 1865,	+1.51	...	+4.64	+0.48	+1.4	0.081	2.1	9.49	...	...