

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR MARCH, 1864.

Notes.—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, 4 and 10 P.M., and midnight. The means and results for the wind are from hourly observations.

Highest Barometer.....	30.067 at 8 a.m. on 22nd	Monthly range =
Lowest Barometer.....	28.829 at 4 p.m. on 11th	1.238 inches.
Mean Barometer.....	30.220 on p.m. of 4th	Monthly range =
Maximum Temperature.....	50°2 on p.m. of 4th	47°3
Minimum Temperature.....	3°0 on a.m. of 21st & 22d	Mean daily range =
Mean maximum Temperature.....	35°59	18°16
Mean minimum Temperature.....	22°44	
Greatest daily range.....	25°3 from a.m. to p.m. of 24th.	
Least daily range.....	3°3 from a.m. to p.m. of 15th.	
Warmest day.....	4th. Mean temperature.....	39°63
Coldest day.....	22nd. Mean temperature.....	11°73
Maximum Solar Radiation.....	100°0 on a.m. of 7th	Monthly range =
Minimum Solar Radiation.....	4°0 on a.m. of 21st	10°10
Aurora observed on 2 nights, viz., on 6th and 7th.		
Possible to see Aurora on 15 nights; impossible on 16 nights.		
Swinging on 12 days, depth 3.7 inches; duration of fall, 35.6 hours.		
Raining on 9 days, depth 1.020 inches; duration of fall 60.1 hours.		
Mean of cloudiness = 0.66; above average 0.66.		
Most cloudy hour observed, 4 p.m.; mean = 0.75; least cloudy hour observed, 6 a.m.; mean = 0.59.		

Year.	TEMPERATURE.				RAIN.		SNOW.		WIND.	
	Mean.	Excess above average (28.1°)	Max. above zero.	Min. below zero.	No. of days.	Inches.	No. of days.	Inches.	Direction.	Force or Velocity.
1840	35.3	+ 3.4	56.9	8.7	8	1.640	8	...	...	...
1841	27.7	+ 2.2	53.5	6.9	5	1.170	7	...	...	0.51lbs.
1842	35.8	+ 6.9	63.7	14.0	3	3.156	...	...	...	0.70
1843	21.3	+ 8.6	38.6	2.8	4	0.624	18	25.7	...	1.18
1844	31.3	+ 1.4	50.3	9.6	8	2.470	8	14.0	...	0.67
1845	35.4	+ 5.2	61.7	9.9	5	Imp.	5	2.8	...	0.66
1846	33.1	+ 3.7	44.3	4.8	5	1.224	8	2.3	...	0.30
1847	26.2	- 3.7	58.9	0.9	6	0.850	6	4.7	...	0.71
1848	23.6	+ 3.6	53.4	15.4	0	1.525	2	2.3	N 65° W	5.80mils.
1849	33.5	+ 0.1	46.6	6.0	7	0.743	7	11.2	N 3° W	1.48
1850	20.8	+ 2.5	58.7	13.1	3	0.770	7	8.8	N 21° W	2.62
1851	32.4	+ 2.2	44.8	3.2	4	0.084	12	19.5	N 8° W	1.93
1852	27.7	+ 0.7	56.3	0.1	0	1.084	8	7.1	N 58° W	0.71
1853	30.6	+ 0.8	52.8	10.4	9	2.425	3	2.8	N 53° W	2.60
1854	30.7	+ 1.4	48.6	2.0	5	1.452	11	18.1	N 89° W	3.39
1855	28.5	- 2.1	51.9	6.2	0	0.006	12	19.2	N 71° W	4.76
1856	23.1	- 0.8	39.3	13.6	4	0.332	15	11.3	N 71° W	7.68
1857	27.8	- 2.1	66.5	3.9	6	0.307	10	6.3	N 63° W	0.63
1858	23.4	- 0.5	59.6	6.5	6	0.317	6	0.2	N 58° W	5.43
1859	34.3	+ 6.4	53.7	10.4	15	4.051	8	1.0	N 64° W	8.56
1860	34.5	+ 4.6	65.4	14.2	22	0.832	14	7.1	N 64° W	1.96
1861	26.9	- 3.0	43.2	4.1	8	2.132	11	7.1	N 51° W	7.61
1862	23.8	- 1.1	41.4	9.3	8	2.500	11	18.5	N 12° W	4.33
1863	25.8	- 4.1	41.4	3.4	9	0.687	17	11.4	N 28° W	2.60
1864	29.1	- 0.8	45.7	3.5	9	1.624	12	3.7	N 27° W	2.62
Exc. for 1864	...	...	...	...	...	...	...	...	...	...
Exc. for 1864	...	...	...	...	...	...	...	...	...	...

Stems of the components of the Atmospheric Current, expressed in miles.
 North. East. West.
 938.08 1731.97 3081.23
 Resultant direction N. 53° W.; Resultant velocity 2.29 miles per hour.
 Mean velocity 8.41 miles per hour.
 Maximum velocity 31.8 miles, from 2 to 3 p.m. on 18th.
 Most windy day 18th. Mean velocity, 20.68 miles per hour. } Difference = 10.62 miles.
 Least windy day 31st. Mean velocity, 1.06 ditto. }
 Most windy hour 2 to 3 p.m. Mean velocity, 11.55 ditto. } Difference =
 Least windy hour 3 a.m. to 5 a.m. Mean velocity 6.52 ditto. } 4.83 miles.
 4th. Solar halo at 4 p.m.; mild day.—6th. Solar halo and pachaeta from 10 a.m. to 2 p.m.—7th. Faint auroral light from 7 p.m. to midnight.—9th. Solar halo and pachaeta from 10 a.m. to 11 p.m.—18th. Stormy day; wind very high and in violent squalls.—22nd. Lunar halo at 10 p.m. and midnight.—25th. Fog at 2 p.m.; mild.—27th. Dense fog nearly all day.—23th. Fog at 6 and 8 a.m.; sheet lightning in S.W. at 8 and 9 p.m. (first of the season).—31st. Fog at 10 p.m.; slight rain to 3.30 p.m.; snow from 11 p.m. to 2 a.m. of 1st April.
 March, 1864, was comparatively cold, calm, and cloudy; it had more rain and less