

REMARKS ON TORONTO METEOROLOGICAL REGISLER FOR NOVEMBER, 1864.

[Note.—The monthly means do not include Sunday observations. The daily means, excepting those that relate to the wind, are derived from 24 observations daily, namely, at 6 A.M., 8 A.M., 2 P.M., 4 P.M., 10 P.M., and midnight. The means and results for the wind are from hourly observations.]

Highest Barometer 30.125 at 8 a.m. on 25th. } Monthly range = 1.455 inches.
 Lowest Barometer 29.671 at 2 p.m. on 4th. }
 Maximum temperature 60° 2 on p.m. of 9th. } Monthly range = 39° 2
 Minimum temperature 21° 0 on a.m. of 24th }
 Mean maximum temperature 42° 55 } Mean daily range = 11° 53
 Mean minimum temperature 31° 31 }
 Greatest daily range 24° 3 from a.m. to p.m. of 6th.
 Least daily range 3° 4 from a.m. to p.m. of 22nd.
 Warmest day 9th. Mean Temperature 55° 13 } Difference = 30° 65
 Coldest day 27th. Mean Temperature 24° 43 }
 Maximum Solar (Vacuum) 98° 0 on p.m. of 7th. } Monthly range = 89° 4
 Radiation Terrestrial 12° 0 on a.m. of 24th }
 Aurora observed on 1 night, viz.:—on 19th.
 Possible to see Aurora on 9 nights; impossible on 21 nights.
 Raining on 11 days; depth 3.765 inches; duration of fall, 91.7 hours.
 Snowing on 8 days; depth 4.5 inches; duration of fall, 13.0 hours.
 Mean of cloudiness = 0.75; above average, +.01. Most cloudy hour observed, 8 a.m.
 Mean = 0.30; least cloudy hour observed, 10 p.m.; mean = 0.70.

Sums of the components of the Atmospheric Current, expressed in Miles.
 North. 968.33 South. 1311.19 East. 817.94 West. 3435.69
 Resultant direction, S. 72° W.; Resultant Velocity, 3.82 miles per hour.
 Mean velocity 7.64 miles per hour.
 Maximum velocity 40.2 miles, from 1 to 2 a.m. on 10th.
 Most windy day 10th.—Mean velocity 20.23 miles per hour.
 Least windy day 25th.—Mean velocity 1.85 miles per hour.
 Most windy hour, 1 to 2 p.m.—Mean velocity, 10.48 miles per hour. } Difference 18.38
 Least windy hour, 4 to 5 a.m.—Mean velocity, 6.16 miles per hour. } Difference 4.32 miles.
 7th. Lunar halo 10 p.m.
 6th. Dense fog from 4 p.m.
 9th. Dense fog till 2.40 p.m.
 16th. Lunar halo 8 p.m. to midnight.
 17th. Dense fog 8 a.m. till 3 p.m.
 19th. Auroral light and streamers, 7 to 9.20 p.m.
 21st and 22th. Solar halo 2 p.m.
 23th. Ground fog, 7 to 8 p.m.
 28th. Fog at 10 p.m. and midnight.
 29th. Fog till 9 a.m. Sheet lightning 7 to 10 p.m.

COMPARATIVE TABLE FOR NOVEMBER.

YEAR.	Mean	TEMPERATURE.			RAIN.	SNOW.		WIND.	
		Fahrenheit Above Average (1853).	Maximum observed.	Minimum observed.		Inches.	No. of days.	Resultant.	Mean Velocity
1840	35.9	-0.8	54.4	20.5	5	1.22	8	...	0.91 ms
1841	35.0	-1.7	63.2	7.6	5	2.45	5	...	1.22 "
1842	33.3	-3.4	50.6	7.6	9	5.34	10	...	0.59 "
1843	33.5	-3.2	51.2	11.4	4	4.76	7	...	0.48 "
1844	34.9	-1.8	53.8	12.0	18	1m 7	4	...	0.53 "
1845	36.8	+0.1	58.8	7.6	1	1.05	4	...	0.64 "
1846	41.3	+4.6	55.5	18.2	7	5.80	2	...	0.36 "
1847	38.6	+1.9	53.2	7.8	14	3.15	3	...	1.81 "
1848	34.5	-2.2	49.3	16.5	9	2.02	3	N 81 W	1.55 "
1849	42.6	+5.9	56.7	28.4	10	2.81	2	N 39 W	1.43 "
1850	38.8	+2.1	62.3	18.1	4	2.95	1	N 42 W	1.25 "
1851	32.9	-3.3	50.1	16.5	5	3.85	6	N 59 W	1.53 "
1852	36.0	-0.7	50.4	18.7	31	7	15	N 9 W	0.55 "
1853	38.7	+2.0	54.1	14.4	39	7	13	W	3.44 "
1854	36.8	+0.1	54.9	15.1	39	8	6	N 06 W	3.18 "
1855	38.6	+1.9	54.1	18.7	35	4	9	S 85 W	2.95 "
1856	37.4	+0.7	56.4	22.8	33	6	9	S 61 W	2.95 "
1857	33.5	-3.2	57.8	-2.3	60	1	14	N 25 W	3.14 "
1858	34.2	-2.5	52.0	20.5	31	5	12	N 81 W	3.39 "
1859	38.4	+2.2	61.0	24.1	36	9	8	S 89 W	4.95 "
1860	37.4	+1.2	62.7	14.6	48	7	12	N 46 W	1.94 "
1861	37.1	+0.4	51.5	25.1	43	4	8	N 88 W	3.50 "
1862	35.6	+2.4	57.6	19.2	40	8	11	S 72 W	3.82 "
1863	33.1	+1.1	58.0	17.2	38	2	13	N 78 W	2.43 "
1864	36.9	+0.2	56.5	21.9	34	6	8	...	...
Results to 1864.	36.75	...	55.48	16.19	10.2	3.14	6.2	...	7.47
Exc. for 1864.	+0.16	...	-1.02	-5.71	+0.8	0.61	+	...	+0.17