

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR NOVEMBER, 1863,

November, 1863, was comparatively mild, wet, windy, and clear.

COMPARATIVE TABLE FOR NOVEMBER.

Year.	TEMPERATURE.				RAIN.		SNOW.		WIND.	
	Mean.	Max. above average (30.7°)	Min. below average.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant Direction.	Force or Velocity.
1840	35.9	64.4	0.5	33.9	6	1.220	8	...	...	...
1841	35.0	63.2	7.6	55.6	8	2.450	5	...	...	0.91 lbs.
1842	33.3	50.0	7.0	43.0	9	5.310	10	...	...	1.22
1843	33.5	51.2	14.4	36.8	10	4.765	7	1.3	...	0.59
1844	34.9	49.8	12.0	37.8	8	Imp.	4	8.0	...	0.48
1845	36.8	58.8	7.0	51.2	7	1.105	4	5.0	...	0.53
1846	41.3	4.6	55.5	18.2	12	6.803	2	0.4	...	0.64
1847	38.6	1.9	45.2	7.8	14	3.155	3	Imp.	...	0.36
1848	34.5	2.2	49.3	16.5	9	2.020	3	1.4	N 81° W	1.81
1849	42.5	5.9	56.7	25.4	10	2.815	2	1.0	N 89° W	1.55
1850	38.8	2.1	62.3	18.1	7	2.955	1	Imp.	N 43° W	1.43
1851	32.0	3.8	60.1	16.5	5	3.885	6	6.7	N 50° W	1.25
1852	35.0	7.0	59.4	18.7	7	1.775	5	2.0	N 59° W	1.53
1853	38.7	2.0	54.1	14.4	15	2.425	6	2.7	N 9° W	0.55
1854	36.8	1.0	54.9	15.1	13	1.115	4	1.3	N 68° W	3.44
1855	38.0	1.9	54.1	19.7	8	4.530	6	3.0	N 68° W	3.18
1856	37.4	3.2	56.4	22.8	10	1.375	9	9.5	S 85° W	2.95
1857	33.5	3.2	57.8	23.3	14	3.235	9	6.9	S 61° W	5.43
1858	34.2	2.5	52.0	20.5	12	3.379	13	4.0	N 25° W	3.14
1859	38.9	2.2	61.0	24.1	12	5.193	9	0.6	N 81° W	3.39
1860	37.9	1.4	62.7	14.0	12	2.659	8	1.9	S 89° W	4.95
1861	37.1	1.4	51.5	25.1	11	4.293	8	3.2	N 81° W	1.94
1862	35.0	1.1	58.0	17.2	11	2.205	11	5.3	N 46° W	3.00
1863	39.1	2.4	67.0	19.4	13	3.050	6	0.1	N 88° W	3.50
1864	36.6	55.23	15.74	39.49	10.0	3.140	5.9	3.10	N 76° W	2.29
Exc.	+	+	+	-	+	+	+	-	.....	+
1865	2.44	2.37	3.66	1.29	3.0	0.510	0.1	3.00	.....	0.37

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

Highest Barometer.....30.181 at 8 a.m. on 23rd } Monthly range =
 Lowest Barometer.....29.096 at 7 p.m. on 24th } 1.085 inches.
 Maximum Temperature 67° on p.m. of 5th } Monthly range =
 Minimum Temperature 17° on a.m. of 30th } 49°
 Mean maximum Temperature 49.82 } Mean daily range =
 Mean minimum Temperature 33.34 } 11°40
 Greatest daily range 33° from a.m. to p.m. of 5th.
 Least daily range..... 3° from a.m. to p.m. of 16th.
 Warmest day 5th. Mean temperature..... 50°15 } Difference = 27°43.
 Coldest day 30th. Mean temperature..... 22°72 }
 Maximum { Solar 70° on p.m. of 5th } Monthly range =
 Radiation. { Terrestrial 7°4 on a.m. of 30th } 71°6
 Aurora observed on 1 night, viz.,—on 1st.
 Possible to see Aurora on 10 nights; impossible on 20 nights.
 Snowing on 6 days, depth 0.1 inches; duration of fall, 10.9 hours.
 Raining on 13 days, depth 3.656 inches; duration of fall 93.8 hours.
 Mean of cloudiness = 0.71; below average 0.63.
 Most cloudy hour observed, 4 p.m.; mean = 0.78; least cloudy hour observed, 6 a.m.; mean, = 0.65.

Stems of the components of the Atmospheric Current, expressed in miles.

North.	South.	East.	West.
1359.76	1374.06	991.83	3502.45

Resultant direction N. 88° W.; resultant velocity 3.50 miles per hour.

Altan velocity 7.86 miles per hour.
 Maximum velocity 33.0 miles, from noon to 1 p.m. on 5th.
 Most windy day 24th. Mean velocity, 14.72 miles per hour. } Difference =
 Least windy day 13th. Mean velocity, 1.25 ditto. } 13.47 miles.
 Most windy hour 1 to 2 p.m. Mean velocity, 12.07 ditto. } Difference =
 Least windy hour 8 p.m. to 9 p.m. Mean velocity 6.83 ditto. } 5.24 miles.

1st. Faint auroral light at 9 p.m.—5th. Fog at 6 a.m.; very mild day; wind in warm gusts.—6th. Showers of rain and hail during the forenoon.—8th. Particles of snow 3 to 6 p.m., and from 8 to 9.30 p.m.—9th. Brilliant Meteor in N at 7.40 p.m.—10th. Particles of Snow 0.30 to 2 p.m.—11th. Faint Solar Halo at 2 p.m.—13th. Fog at 6 a.m.; Solar Halo at 1 p.m.—19th. Fog at 6 and 8 a.m.—21st. Fog at 8 a.m.—23rd. Spray rising from Niagara Falls distinctly visible.—24th. Dense fog 2 to 6 p.m., Wind in violent squalls at night.—25th. Particles of Snow during forenoon; Lunar Corona at midnight.—27th. Faint Solar Halo at noon.