

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR NOVEMBER, 1861.

Highest Barometer 30.000 at 8 a. m. on 18th. { Monthly range = 0.985 inches.
 Lowest Barometer 29.005 at midn't on 22nd. {
 Maximum temperature 52°4 on p. m. of 5th { Monthly range = 20°4
 Minimum temperature 23°0 on a. m. of 18th {
 Mean maximum temperature . . . 42°39 { Mean daily range = 10°40
 Mean minimum temperature . . . 81°99 {
 Greatest daily range 20°4 from a. m. to p. m. on 10th.
 Least daily range 3.5 from a. m. to p. m. on 30th.
 Warmest day 5th ... Mean Temperature . . . = 48°97 { Difference = 15°40.
 Coldest day 25th ... Mean Temperature . . . = 30°87 {
 Maximum { Solar 70°0 on p. m. of 7th { Monthly range = 58°0.
 Radiation { Terrestrial 12°0 on a. m. of 18th {
 Aurora observed on 1 night, viz: on 7th. Possible to see Aurora on 11 nights;
 impossible on 19 nights.
 Snowing on 8 days; depth, 3.2 inches; duration of fall, 17.4 hours.
 Raining on 14 days; depth, 4.234 inches; duration of fall, 48.1 hours.
 Mean of cloudiness = 0.74; Difference from average, 0.00. Most cloudy hour observed,
 8 a. m.; mean = 0.78; least cloudy hour observed, 4 p. m.; mean = 0.71.
Sums of the components of the Atmospheric Current, expressed in Miles.
 North. East. West.
 1867.64 899.10 1510.52
 Resultant direction, N 46° W; Resultant Velocity, 1.94 miles per hour.
 Mean Velocity 7.44 miles per hour.
 Maximum velocity 36.3 miles from 2 to 3 p. m. on the 16th.
 Most windy day 2nd—Mean velocity 20.73 miles per hour. { Difference 20.25 miles.
 Least windy day 25th—Mean velocity 0.43 miles per hour. {
 Most windy hour, 11 a. m. to noon—Mean velocity, 11.00 miles per hour; Difference
 Least windy hour, 6 a. m. to 7 p. m.—Mean velocity, 6.68 miles per hour; 5.42 miles.
 2nd. Stormy day. Very high wind and heavy rain.—9th. Solar halo during the fore-
 noon.—10th. Lunar halo at 8 p. m.—11th. Lunar corona from 10 p. m.—14th. Indis-
 tinct lunar halo at 7.30 p. m.—16th. Indistinct solar rainbow at 9.30 a. m.—17th.
 Faint solar halo from noon to 2 p. m.—21st. Fog at 10 p. m. and midnight.—25th.
 Lunar halo at 5.30 a. m., and solar halo at 9 a. m.—27th. Indistinct lunar halo at
 6 a. m.—29th. Fog at 6 a. m.

The averages derived from the observations of the last 22 years shew that Novem-
 ber, 1861, was comparatively warm, very rainy, and rather calm; it had a little more

than the mean depth of snow, and exactly the average amount of cloudiness.
 The Resultant Direction and Velocity of the Wind for the month of November,
 from 1848 to 1861 inclusive, were respectively N. 76° W., and 2.29 miles.

COMPARATIVE TABLE FOR NOVEMBER.

YEAR.	TEMPERATURE.						RAIN.		SNOW.		WIND.	
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant.	Mean Velocity.	
1840	35.0	—	54.4	20.5	33.9	5	1.220	8	...	...	0.91lbs	
1841	35.0	—	63.2	7.6	55.6	8	2.450	5	...	...	1.22 "	
1842	33.3	— 3.4	50.6	7.6	43.0	9	5.310	10	...	...	0.59 "	
1843	33.5	— 3.2	51.2	14.4	36.8	10	4.765	7	1.2	...	0.48 "	
1844	34.9	— 1.8	49.8	12.0	37.8	8	Imp.	4	8.0	...	0.53 "	
1845	36.8	— 0.1	59.8	7.6	51.2	7	1.105	4	5.0	...	0.53 "	
1846	41.3	— 4.6	55.5	18.2	37.3	12	5.805	2	0.4	...	0.64 "	
1847	38.6	— 1.9	58.2	7.8	50.4	14	5.155	3	Imp.	...	0.36 "	
1848	34.5	— 2.2	49.3	16.5	32.8	9	2.020	3	1.4	N 81 W	1.81 4.81ms.	
1849	42.0	— 6.9	56.7	28.4	28.3	10	2.815	3	1.0	N 39 W	1.55 4.78 "	
1850	38.8	— 3.1	62.3	18.1	44.2	7	3.835	6	0.7	N 42 W	1.43 5.27 "	
1851	32.9	— 3.8	50.1	16.5	33.6	5	3.835	8	2.0	N 50 W	1.25 4.76 "	
1852	36.0	— 2.0	54.1	14.4	39.7	15	2.425	0	2.7	N 50 W	1.53 6.50 "	
1853	38.7	— 0.1	54.9	15.1	39.8	13	1.115	4	1.3	W	3.44 7.54 "	
1854	38.8	— 0.1	54.1	18.7	35.4	8	4.590	6	3.0	N 66 W	3.18 10.81 "	
1855	38.6	— 0.9	56.4	22.8	33.6	10	1.375	9	9.5	N 85 W	2.93 8.75 "	
1856	37.4	— 0.7	56.4	22.3	33.6	14	3.235	9	6.9	N 61 W	5.45 9.25 "	
1857	33.5	— 3.2	57.8	20.5	37.3	12	3.879	13	4.0	N 25 W	3.14 8.87 "	
1858	34.2	— 2.5	52.0	16.1	36.9	12	5.193	9	0.6	N 81 W	3.39 9.65 "	
1859	38.9	— 1.2	61.0	24.0	37.0	12	2.569	8	1.9	N 89 W	4.05 11.02 "	
1860	37.9	— 0.9	62.7	14.0	48.7	14	4.294	8	3.2	N 46 W	1.94 7.44 "	
1861	37.1	— 0.4	51.5	25.1	26.4	14	4.294	8	3.10	...	7.40	
Mean	36.69	...	55.23	15.74	39.49	10.0	3.140	5.9	3.10	...	...	
Diff.	+0.45	...	— 3.78	9.36	—	+	1.154	2.1	+	N 75 W	2.29	
from	avg.	...	...	...	...	+	0.10	...	...	...	— 0.05	