

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR OCTOBER, 1870.

COMPARATIVE TABLE FOR OCTOBER.

NOTE.—The monthly means of the Barometer and Temperature 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 results for the wind are from hourly observations.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.		
	Mean.	Excess above Average.	Maxi- mum.	Mini- mum.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant Direc- tion.	Mean Velocity.
1848	40.3	+ 0.6	61.8	24.5	37.3	11	1.550	0	0.0	N 45 W	1.24
1849	45.3	— 0.5	68.9	24.2	34.7	13	6.965	1	0.0	N 12 W	1.27
1850	45.4	— 0.4	66.7	22.4	44.3	10	2.085	0	0.0	N 68 W	1.10
1851	47.4	+ 1.6	66.2	25.2	41.0	12	1.680	0	0.3	S 72 W	1.08
1852	48.0	+ 2.2	70.7	23.6	46.9	12	5.280	0	0.0	N 6 W	1.19
1853	44.4	— 1.4	64.7	23.4	41.3	10	0.876	2	0.0	N 45 W	1.74
1854	49.6	+ 3.7	75.4	26.4	49.0	15	1.405	2	0.0	N 45 W	1.62
1855	45.4	— 0.4	68.0	22.6	45.4	14	2.485	5	0.8	N 82 W	1.91
1856	46.3	— 0.5	71.4	23.0	48.4	10	0.875	2	0.1	N 70 W	2.16
1857	45.4	— 0.4	64.0	26.6	37.5	10	1.040	2	0.2	N 19 W	2.03
1858	48.8	+ 3.0	76.3	31.6	44.8	17	1.707	1	0.0	N 34 W	0.30
1859	43.0	— 2.8	69.8	22.3	47.5	11	0.910	4	0.0	N 68 W	0.54
1860	47.3	+ 1.5	68.0	28.4	39.6	16	1.018	1	0.0	N 9 W	2.06
1861	48.7	+ 2.9	70.6	26.2	44.0	15	1.903	1	0.6	N 01 W	1.06
1862	48.7	+ 2.9	70.6	26.2	44.0	19	2.634	2	0.5	N 78 W	2.89
1863	45.9	+ 0.1	69.4	29.5	39.9	10	2.522	0	0.0	N 71 W	0.48
1864	45.2	— 0.6	67.0	28.0	39.0	22	3.321	1	0.0	N 60 W	3.17
1865	44.6	— 1.3	71.4	21.6	49.8	17	2.703	3	4.6	N 30 W	3.16
1866	49.1	+ 3.3	71.0	31.8	39.2	11	2.476	0	0.0	N 42 W	1.61
1867	49.0	+ 4.1	75.4	31.0	44.4	11	1.970	0	0.0	N 42 W	1.61
1868	42.4	— 3.4	67.6	24.0	43.6	10	1.365	2	2.0	N 50 W	1.27
1869	42.3	— 3.5	69.8	18.7	51.1	8	0.902	7	2.3	N 50 W	3.72
1870	50.0	+ 4.2	68.6	30.2	38.3	10	2.630	0	0.0	N 85 W	1.80
1871	48.3	+ 2.6	72.2	28.6	43.6	13	1.188	0	0.0	N 06 W	3.76
1872	46.6	— 0.2	70.0	25.2	44.8	14	3.288	1	0.0	N 18 W	2.22
1873	45.7	— 0.1	69.2	24.2	45.0	13	2.155	3	0.2	West	1.77
1874	47.5	+ 0.7	67.0	24.8	42.2	11	1.418	2	3.8	N 70 W	2.75
1875	43.2	— 2.6	63.0	27.6	35.4	15	2.416	2	0.1	N 88 W	2.72
1876	42.8	— 3.0	61.6	23.0	38.6	10	1.433	5	0.1	N 81 W	4.63
Results to 1875	45.82		68.80	25.01	42.95	12.68	2.381	1.83	0.80	N 64 W	1.85
Excess for 1876	3.06		7.20	2.01	4.35	0.68	0.916	3.17	0.70	...	...
											+ 2.88

Highest Barometer.....29.976 at 8 a.m. on 27th } Monthly range==
Lowest Barometer28.929 at 2 p.m. on 23d } 1.047.

Maximum temperature.....61.93 on 21st } Monthly range==
Minimum temperature.....23.6 on 13th } 38.6
Mean maximum temperature60.24 }
Mean minimum temperature31.74 }
Mean daily range28.49 }
Greatest daily range2.54 from a.m. to p.m. of 18th.
Least daily range791 from a.m. to p.m. of 7th.
Warmest day 22nd; mean temperature 63.50 }
Coldest day 29th; mean temperature 35.67 } Difference==20.83.

Maximum { Solar.....117.50 on 1st } Monthly range==
Radiation { Terrestrial..... 12.52 on 12th } 101.98.

Possible to see Aurora on 10 nights; impossible on 21 nights.

Aurora observed on 1 night, viz., 17th.

Training on 12 days; depth, 1.435 inches; duration of fall, 41.7 hours.

Snowing on 6 days; depth, 0.1 inches; duration of fall, 4.1 hours.

Mean of Cloudiness, 0.70.

WIND.

Resultant direction, S. 81° W.; Resultant Velocity, 4.63 miles.

Mean Velocity, 0.10 miles per hour.

Maximum Velocity, 81.0 miles, from noon to 1 p.m. of 14th.

Most Windy day, 8th; Mean Velocity, 17.46 miles per hour.

Least Windy day, 31st; Mean Velocity, 1.23 miles per hour.

Most Windy hour, noon; Mean Velocity, 13.89 miles per hour.

Least Windy hour, 11 p.m.; Mean Velocity, 0.03 miles per hour.

Fog on 21st and 23rd.

Lightning on 22nd.

Solar haloes on 6th and 12th. Lunar haloes on 24th and 27th.

Rainbows 1st and 28th.

First snow of season, 7th; a few flakes on 1st.

Highest Barometer.....20.976 at 8 a.m. on 27th } Monthly range =
Lowest Barometer.....28.929 at 2 p.m. on 23rd } 1.047.

Maximum temperature.....61.8 on 13th } Monthly range =
Minimum temperature.....22.4 on 21st } 38.6

Mean maximum temperature.....66.2 } Mean daily range =
Mean minimum temperature.....23.6 } 16.0

Greatest daily range.....44.4 from a.m. to p.m. of 18th.

Least daily range.....21.6 from a.m. to p.m. of 7th.

Warmest day.....22nd; mean temperature 45.9 } Difference = 20.53.
Coldest day.....20th; mean temperature 42.8 }

Maximum of Solar.....117.0 on 1st } Monthly range =
Radiation of Terrestrial.....12.2 on 12th } 104.8.

Possible to see Aurora on 10 nights; impossible on 21 nights.

Aurora observed on 1 night, viz., 17th.

Raining on 12 days; depth, 1.433 inches; duration of fall, 41.7 hours.

Snowing on 6 days; depth, 0.1 inches; duration of fall, 4.1 hours.

Mean of Cloudiness, 0.70.

Resultant direction, S. 81° W.; Resultant Velocity, 4.63 miles.

Mean Velocity, 9.19 miles per hour.

Maximum Velocity, 31.0 miles, from noon to 1 p.m. of 14th.

Most Windy day, 8th; Mean Velocity, 17.46 miles per hour.

Least Windy day, 31st; Mean Velocity, 1.23 miles per hour.

Most Windy hour, noon; Mean Velocity, 13.89 miles per hour.

Least Windy hour, 11 p.m.; Mean Velocity, 0.09 miles per hour.

Fog on 21st and 23rd.

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