

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR OCTOBER, 1874.

NOTE.—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., 4 P.M., 10 P.M. and midnight. The means and extremes of the wind are from hourly observations.

Highest Barometer..... 30.040 at 2 p.m. on 21st. } Monthly range
Lowest Barometer..... 29.041 at 2 p.m. on 19th. } 0.999.
Mean Barometer..... 29.700 }
Mean temperature..... 57.0 on 29th. } Monthly range
Maximum temperature..... 63.8 on 19th. } 4.2-2
Minimum temperature..... 43.8 on 19th. }
Mean maximum temperature..... 66.92 } Mean daily range
Mean minimum temperature..... 48.07 } 16.05
Mean temperature..... 57.5 }
Greatest daily range..... 30.6 from a.m. to p.m. of 19th.
Least daily range..... 5.2 from a.m. to p.m. of 13th.
Warmest day..... 8th; mean temperature 66.55 } Difference = 18.85
Coldest day..... 18th; mean temperature 39.70 }
Maximum Solar..... 11.2° on 4th, 11th, 14th } Monthly range
Radiation { Terrestrial..... 12° on 10th. } 100°;
Aurora observed on 6 nights, viz.: 3rd, 4th, 12th, 15th and 16th.
Possible to see Aurora on 13 nights; impossible on 18 nights.
Raining on 11 days; depth, 1.418 inches; duration of fall, 23.2 hours.
Snowing on 2 days; depth, 1.418 inches; duration of fall, insupportable.
Mean of cloudiness, 0.76.

WIND.

Resultant direction, N. 70° W.; resultant velocity, 2.75 miles.

Mean velocity, 6.40 miles per hour.

Maximum velocity, 30.0 miles per hour from noon to 1 p.m. of 2nd.

Most windy day, 2nd; mean velocity, 14.84 miles per hour.

Least windy day, 22nd; mean velocity, 1.24 miles per hour.

Most windy hour, 1 p.m.; mean velocity, 10.72 miles per hour.

Least windy hour, 3 a.m.; mean velocity, 3.98 miles per hour.

Fog on 6th, 22nd, 26th, 27th and 29th.

Dew on 3 mornings.

Lunar halo on 23rd.

Thunder storm on 10th.

COMPARATIVE TABLE FOR OCTOBER.

YEAR.	TEMPERATURE.			RAIN.		SNOW.		WIND.	
	Mean.	Excess above average.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant direction.	Mean velocity.
1846	44.6	-1.2	70.1	14	4.180	2	insp	0	0.44 lbs.
1847	44.0	+1.8	64.6	13	4.309	2	insp	0	0.19
1848	46.3	+0.5	61.8	11	1.550	0	0.0	N 54 W 1.24	4.60mils.
1849	46.3	-0.5	58.9	24	34.7	1	insp	N 12 W 1.27	7.76
1850	45.4	-0.4	60.7	22	44.3	0	0.0	N 12 W 1.10	5.30
1851	47.4	+1.6	66.2	25	41.0	2	0.3	N 66 W 1.06	4.39
1852	48.0	+2.2	70.7	23	5.280	0	0.0	N 5 E 1.19	4.47
1853	44.4	-1.4	64.7	12	1.575	2	insp	N 58 W 1.74	4.77
1854	49.5	+3.7	75.4	25	43.0	3	insp	N 45 W 1.52	4.57
1855	49.4	+0.4	68.0	15	1.486	0	0.0	N 82 W 1.49	9.88
1856	45.3	-0.5	71.4	14	2.485	2	0.1	N 76 W 2.15	6.07
1857	45.4	-0.4	64.0	20	0.870	2	0.2	N 19 W 2.93	6.24
1858	48.8	+3.0	76.1	31	41.8	1	insp	N 34 W 0.36	5.96
1859	43.0	-2.8	69.8	22	37.5	4	insp	N 68 W 0.51	8.12
1860	47.3	+1.6	68.0	28	4	1	insp	N 9 W 2.00	6.03
1861	48.7	+2.9	71.0	22	42.0	1	insp	N 61 W 1.06	5.96
1862	48.7	+2.9	76.0	26	50.4	2	0.5	N 78 W 2.89	6.53
1863	43.9	-0.1	66.4	30	35.9	0	0.0	N 71 W 0.48	8.16
1864	45.2	+0.6	67.0	28	32.0	22	5.222	N 60 W 3.17	6.66
1865	44.5	-1.3	71.4	21	49.8	3	4.5	N 55 W 3.15	7.20
1866	49.1	+3.3	71.0	31	36.2	1	insp	N 30 W 0.83	6.53
1867	49.9	+4.1	75.4	31	44.4	0	0.0	N 45 W 1.51	5.13
1868	42.3	-3.5	63.8	18	7	2	0.0	N 89 W 1.27	7.10
1869	49.0	+4.2	68.5	30	38.3	7	2.3	N 89 W 3.72	6.73
1870	48.3	+3.5	72.2	28	5	0	0.0	N 85 W 1.86	7.11
1871	48.3	+3.5	72.2	30	43.6	0	0.0	N 60 W 3.75	7.84
1872	45.9	-0.2	70.0	25	44.8	1	insp	N 18 W 2.22	4.59
1873	46.7	-0.1	69.2	24	2	3	0.2	West. 1.77	7.81
1874	47.5	+1.7	69.0	21	1.418	2	insp	N 70 W 2.75	6.40
Resultant direction	45.85		69.02	25.51	43.51	1.52	0.82	N 63 W 1.80	6.20
Excess for 74	1.62		2.02	0.71	1.30	0.18	0.82		+ 0.20