

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JUNE, 1864.

recorded in any June during the series, being less than one-fifth of the average.

COMPARATIVE TABLE FOR JUNE.

YEAR.	TEMPERATURE.			RAIN.		SNOW.		WIND.	
	Mean.	Maximum Observed.	Minimum Observed.	Range.	Inches.	No. of days.	Inches.	Direction.	Mean Velocity.
1840	50.8	78.5	37.1	41.4	11	4.86	...	...	...
1841	65.6	92.8	45.7	47.1	9	1.300	...	...	0.36 lbs
1842	55.6	73.9	28.0	45.9	15	5.753	...	...	0.31 "
1843	58.4	82.8	33.1	49.7	9	4.595	...	...	0.27 "
1844	59.9	82.8	33.1	49.7	9	5.535	...	...	0.19 "
1845	61.0	83.6	40.9	42.7	11	3.715	...	...	0.27 "
1846	63.3	83.3	41.5	41.8	10	1.920	...	...	0.32 "
1847	58.4	78.3	36.7	41.6	14	2.625	...	...	0.30 "
1848	62.9	82.5	38.3	44.2	8	1.810	...	N 61 W	1.90 4.51 ms
1849	63.2	81.9	45.2	39.7	7	2.01	...	S 61 E	0.49 3.32 "
1850	64.3	86.2	49.0	37.2	10	3.345	...	S 60 W	0.38 4.51 "
1851	60.8	79.2	41.2	38.0	11	2.685	...	S 2 W	1.26 4.42 "
1852	65.5	86.1	43.6	42.5	10	3.160	...	S 76 W	1.49 4.09 "
1853	65.5	86.3	43.3	43.0	9	1.550	...	N 1 W	0.10 3.73 "
1854	64.1	88.7	47.4	41.3	9	1.400	...	N 24 E	0.71 4.15 "
1855	59.9	80.7	40.6	40.3	17	4.070	...	N 69 W	1.33 5.70 "
1856	62.1	82.6	48.3	34.3	13	3.200	...	S 21 W	0.90 5.30 "
1857	56.9	75.1	40.9	34.2	21	5.050	...	S 49 W	1.15 7.60 "
1858	66.2	86.3	48.7	37.5	12	2.943	...	S 90 E	0.25 5.53 "
1859	58.3	85.2	33.9	51.3	10	4.085	...	N 77 W	1.59 7.19 "
1860	63.2	81.1	50.0	31.1	14	2.136	...	N 44 W	3.13 7.61 "
1861	61.3	86.5	45.2	38.3	13	3.321	...	N 30 W	2.29 6.11 "
1862	60.5	83.2	44.3	38.9	10	1.007	...	N 26 W	1.77 5.93 "
1863	60.1	79.3	45.0	34.3	13	1.682	...	N 50 W	2.26 5.24 "
1864	63.0	92.6	41.7	50.9	5	6.570	...	N 55 W	1.72 4.53 "
Results to 1864	61.34	83.92	41.64	42.28	11.6	2.867	...	N 61 E	0.98 5.27
Exc. for 1864	+1.60	+8.68	+0.06	+8.62	0.6	2.207	...	...	-0.74

North.—The monthly means do not include Sunday observations. The daily means, except those that relate to the wind, are derived from six observations daily, namely, at 6 a.m., 9 a.m., 2 p.m., 4 p.m., and 10 p.m., and midnight. The means and results for the wind are from hourly observations.

Highest Barometer 23.061 at 8 a.m. on 28th. } Monthly range =
 Lowest Barometer 29.007 at 11 a.m. on 9th. } 0.054 inches.
 Maximum temperature 98.4 on p.m. of 25th } Monthly range =
 Minimum temperature 34.8 on a.m. of 7th } 58.6
 Mean temperature 73.06 } Mean daily range = 20.19
 Mean maximum temperature 82.87 }
 Mean minimum temperature 52.87 }
 Greatest daily range 31.87 from a.m. to p.m. of 16th.
 Least daily range 7.92 from a.m. to p.m. of 6th.
 Warmest day 25th...Mean Temperature 81.77 } Difference = 34.932
 Coldest day 10th...Mean Temperature 47.45 }
 Maximum { Solar { Vacuum } 135.2 on p.m. of 25th } Monthly range =
 Radiation { Terrestrial } 24.98 on a.m. of 7th } 108.4
 Aurora observed on 5 nights, viz.—on 7th, 9th, 10th, 11th and 28th.
 Possible to see Aurora on 24 nights; impossible on 6 nights.
 Tearing on 5 days; depth 0.576 inches; duration of fall, 11.8 hours.
 Mean of cloudiness = 0.30, or 0.22 below average. Most cloudy hour observed, 6 a.m.;
 mean = 0.35; least cloudy hour observed, 10 p.m.; mean = 0.23.

Sums of the components of the Atmospheric Current, expressed in Miles.
 North. South. East. West.
 1489.06 760.03 454.53 1444.69

Resultant direction, N. 55° W.; Resultant Velocity, 1.72 miles per hour.
 Mean velocity 4.53 miles per hour.
 Maximum velocity 27.5 miles, from 2 to 3 p.m. on 9th.
 Most windy day 17th—Mean velocity 11.60 miles per hour. } Difference 11.60.
 Least windy day 17th—Mean velocity 0.60 miles per hour. }
 Most windy hour, 2 to 3 p.m.—Mean velocity, 7.45 miles per hour. } Difference
 Least windy hour, 4 to 5 a.m.—Mean velocity, 2.15 miles per hour. } 5.30 miles.

7th, 5 a.m., hoar frost on the 30th footpaths, 10 p.m. to midnight; auroral arch, streamers, and pulsations—9th, Thunderstorm, lightning and rain, 11.40 a.m. to 12.10 p.m.; auroral light at midnight—10th, Faint auroral light at midnight—11th, Faint auroral light at midnight—22nd, Distant Thunder 11.40 a.m. to 12.30 p.m.—25th, Thunderstorm, lightning and rain 1.30 to 2.20 p.m.—25th, Auroral arch, band, and streamers, 9 p.m. and midnight.

Dew recorded on 11 mornings during this month.
 June, 1864, was very warm, dry, clear, and calm. The depth of rain was the least,