

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY, 1863. July, 1863, was comparatively mild, calm and cloudy.

COMPARATIVE TABLE FOR JULY.

Year	TEMPERATURE.				RAIN.			SNOW.		WIND.	
	Mean.	Excess above average (64.8)	Max. (61.0)	Min. (70.4)	Range.	No. of days.	Inches.	No. of days.	Inches.	Direction.	Force or Velocity.
1840	67.8	-1.0	79.4	48.2	31.2	6	5.270	...	...	...	0.27 lbs.
1841	65.0	-1.8	80.3	43.1	37.1	10	8.159	...	...	...	0.33
1842	64.7	-2.1	80.3	42.0	38.3	4	3.030	...	...	...	0.44
1843	65.5	-2.3	83.1	40.2	42.9	8	4.695	...	...	...	0.19
1844	65.0	-0.8	81.1	40.5	40.6	12	2.815	...	...	...	0.20
1845	63.2	-0.6	81.6	45.6	36.0	7	2.195	...	...	...	0.30
1846	63.0	-1.2	81.0	44.3	36.7	0	2.835	...	...	...	0.19
1847	68.0	+1.2	87.5	43.8	43.7	8	3.355	...	...	...	0.19
1848	63.5	-1.3	82.7	46.7	36.0	10	1.899	...	...	N 14° W	4.94 lbs.
1849	63.4	-1.0	89.1	51.0	38.1	4	3.415	...	...	S 5° W	0.75
1850	63.9	+2.1	84.0	62.8	31.2	12	3.278	...	...	S 5° E	0.59
1851	65.0	+1.8	82.7	52.1	30.6	12	3.625	...	...	N 8° W	4.13
1852	63.8	-0.0	99.1	49.5	49.5	8	4.025	...	...	N 4° W	3.33
1853	65.0	+1.2	85.4	46.1	39.0	10	0.915	...	...	S 58° E	0.21
1854	65.0	+1.2	85.4	46.1	39.0	10	4.811	...	...	S 49° W	0.37
1855	67.5	+3.7	83.4	53.1	30.3	13	2.245	...	...	S 19° W	0.73
1856	63.9	+1.1	82.0	51.1	30.9	6	1.120	...	...	S 79° W	1.57
1857	63.9	+3.1	92.0	51.1	40.9	15	3.475	...	...	S 63° E	0.81
1858	67.9	+1.0	85.4	52.4	33.0	13	3.072	...	...	S 15° E	1.43
1859	67.9	+1.1	83.1	53.9	37.2	12	2.611	...	...	N 56° W	1.58
1860	66.9	+0.1	87.7	50.5	37.2	12	2.611	...	...	N 20° W	2.15
1861	63.9	+2.9	85.8	47.5	38.3	13	4.348	...	...	N 0° W	1.43
1862	65.4	+1.4	82.0	49.4	32.6	10	2.615	...	...	N 74° W	4.68
1863	63.7	-0.1	83.0	52.6	30.0	15	5.341	...	...	S 83° W	1.42
1864	67.0	+0.8	82.3	49.3	32.7	15	3.493	...	...	N 18° W	0.40
1865	68.85	...	87.21	45.32	33.83	10.0	3.493	...	...	N 65° W	0.48
1866	...	...	...	...	...	...	...	...	...	...	...
1867	...	...	...	...	...	...	...	...	...	...	...
1868	...	...	...	...	...	...	...	...	...	...	...
1869	...	...	...	...	...	...	...	...	...	...	...
1870	...	...	...	...	...	...	...	...	...	...	...
1871	...	...	...	...	...	...	...	...	...	...	...
1872	...	...	...	...	...	...	...	...	...	...	...
1873	...	...	...	...	...	...	...	...	...	...	...
1874	...	...	...	...	...	...	...	...	...	...	...
1875	...	...	...	...	...	...	...	...	...	...	...
1876	...	...	...	...	...	...	...	...	...	...	...
1877	...	...	...	...	...	...	...	...	...	...	...
1878	...	...	...	...	...	...	...	...	...	...	...
1879	...	...	...	...	...	...	...	...	...	...	...
1880	...	...	...	...	...	...	...	...	...	...	...
1881	...	...	...	...	...	...	...	...	...	...	...
1882	...	...	...	...	...	...	...	...	...	...	...
1883	...	...	...	...	...	...	...	...	...	...	...
1884	...	...	...	...	...	...	...	...	...	...	...
1885	...	...	...	...	...	...	...	...	...	...	...
1886	...	...	...	...	...	...	...	...	...	...	...
1887	...	...	...	...	...	...	...	...	...	...	...
1888	...	...	...	...	...	...	...	...	...	...	...
1889	...	...	...	...	...	...	...	...	...	...	...
1890	...	...	...	...	...	...	...	...	...	...	...
1891	...	...	...	...	...	...	...	...	...	...	...
1892	...	...	...	...	...	...	...	...	...	...	...
1893	...	...	...	...	...	...	...	...	...	...	...

Highest Barometer ..... 29.912 at 8 a. m. on 18th } Monthly range = 0.522 inches.  
 Lowest Barometer ..... 29.380 at 8 a. m. on 24th }  
 Maximum Temperature ..... 83°5 on p.m. of 1st } Monthly range = 35°5  
 Minimum Temperature ..... 49°0 on a.m. of 16th }  
 Mean maximum temperature ..... 74°93 } Mean daily range = 15°19  
 Mean minimum temperature ..... 59°53 }  
 Greatest daily range ..... 21°5 from a.m. to p.m. of 25th.  
 Least daily range ..... 3°0 from a.m. to p.m. of 25th.  
 Warmest day ..... 1st. Mean temperature ..... 59°32 } Difference = 18°60.  
 Coldest day ..... 17th. Mean temperature ..... 59°32 }  
 Meridian { Solar ..... 10°35 on p.m. of 7th } Monthly range = 61°5  
 { Terrestrial ..... 41°0 on a.m. of 19th }  
 Aurora observed on 6 nights, viz.—8th, 15th, 17th, 18th, 19th, and 24th.  
 Possible to see Aurora on 14 nights; impassable on 17 nights.  
 S to wind on 4 days, depth ..... inches; duration of fall 42.0 hours.  
 Hitting on 15 days, depth 3.5 inches; duration of fall 42.0 hours.  
 Mass of cloudiness = 0.84. Above average 0.19.  
 Most cloudy hour observed, 2 p.m.; mean = 0.71; least cloudy hour observed, 8 a.m.; mean, = 0.60.  
 Sums of the components of the Atmospheric Current, expressed in miles.  
 North. South. East. West.  
 1176.74 894.79 731.78 823.10  
 Resultant direction N. 19° W.; Resultant velocity 0.49 miles per hour.  
 Mean velocity ..... 3.89 miles per hour.  
 Maximum velocity ..... 21.0 miles, from 8 to 9 a.m. on 21st.  
 Least windy day ..... 21st. Mean velocity, 0.13 miles per hour. } Difference = 10.21 miles.  
 Most windy day ..... 10th. Mean velocity, 6.13 ditto. }  
 Most windy hour ..... noon to 1 p.m. Mean velocity, 6.42 ditto. } Difference = 4.27 miles.  
 Least windy hour ..... 9 p.m. to 10 p.m. Mean velocity 2.22 ditto.  
 1st. Impure lunar halo at midnight.—2nd. Thin layer storm 5.30 to 6 a.m.; and again from 8 to 9.50 p.m.—3rd. Dose fog from 2 to 5 a.m.; sheet lightning at night.—4th. Distant thunder 3.50 p.m.; sheet lightning at 8 and 10 p.m.—5th. Distant thunder in N.W. a.m., and fires in air.—7th. Sheet lightning in N.W. from 10.40 p.m. and midnight.—8th. Aurora on 6 nights.—9th. Aurora on 6 nights.—10th. Ground fog, and fog-fog on 6 a.m.—11th. Distant thunder 1.30 p.m.—12th. Sheet lightning at 10 p.m. and midnight.—13th. Thunderstorm 2 to 3 a.m.—14th. Sheet lightning at midnight.—15th. Thunderstorm 1 to 2 p.m.—16th. Sheet lightning at midnight.—17th. Brilliant meteor at 8 p.m. in S.E.—18th. Lunar halo at 10 p.m.—19th. Thunderstorm 1 to 2 p.m.; ground fog at 8 p.m.—20th. Thunderstorm between 10 and 11 p.m.