

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY, 1859.

Highest Barometer 30.141 at 9 30 a. m. on 5th, } Monthly range =
 Lowest Barometer 29.159 at 2 p. m. on 2nd, } 0.982 inches.

Maximum temperature 88.90 on p. m. of 12th } Monthly range =
 Minimum temperature 44.7 on a. m. of 4th } 43.9
 Mean maximum temperature 74.965 } Mean daily range = 15.45.
 Mean minimum temperature 50.29 }
 Greatest daily range 24.3 from a. m. to p. m. of 1st.
 Least daily range 4.3 from a. m. to p. m. of 26th.

Warmest day . . . 12th . . . Mean Temperature . . . 70.88 } Difference = 24.80.
 Coldest day . . . 4th . . . Mean Temperature . . . 55.03 }
 Maximum { Solar 10.90 on p. m. of 10th } Monthly range =
 Radiation { Terrestrial 34.8 on a. m. of 1st } 67.2.

Aurora observed on 4 nights, viz.: 11th, 23rd, 28th, and 29th; possible to see Aurora on 21 nights; impossible on 10 nights.

Raining on 12 days; depth, 2.611 inches; duration of fall, 39.9 hours.
 Mean of cloudiness = 0.46; most cloudy hour observed, 6 a. m., mean = 0.51; least cloudy hour observed, 8 a. m., mean = 0.36.

Sums of the components of the Atmospheric Current, expressed in Miles.

North. South. East. West.
 1649.55 1023.18 934.01 1876.41
 Resultant direction, N 56° W. Resultant Velocity, 1.48 miles per hour.
 Mean velocity of the wind 5.81 miles per hour.
 Maximum velocity . . . 26.8 miles per hour, from 4 to 5 p. m. on 22nd.
 Most windy day . . . 26th—Mean velocity, 17.30 miles per hour.
 Least windy day . . . 21st—Mean velocity, 1.27 do
 Most windy hour, noon to 1 p. m.—Mean velocity, 9.71 do } Difference
 Least windy hour, 8 to 9 p. m.—Mean velocity, 2.63 do } 7.63 miles.

1st. Thunderstorm, vivid lightning and heavy rain, from 11.30 p. m.
 2nd. Thunderstorm and slight rain from noon to 3.25 p. m.
 3rd. Imperfect solar halo and parrhelia at 6.40 p. m.

11th. Distant Thunder at 5.30 p. m.
 12th. Distant Thunder in West at 4.45 p. m.
 13th. Distant Thunder in S. W. at 5 p. m.

15th. Thunderstorm from 4 to 5.30 a. m., and again from 1.30 to 3.30 p. m.—Perfect rainbow at 4.55 p. m.

17th. Dense fog at 4 a. m.,
 18th. Thunderstorm from 0.30 p. m., with but little intermission to 8 p. m.
 19th. Dense fog 6 to 7 a. m.

21st. Slight ground fog 5 to 6 a. m.

25th. Thunderstorm 2 to 5 p. m.—Perfect double rainbow at 4 p. m., and sheet lightning round horizon from 10 p. m. to midnight.

26th. Imperfect double rainbow 6 to 7 p. m.—31st. Distant Thunder in N. W. at noon.
 Heavy Dew recorded on four mornings during the month.

The Resultant Direction and Velocity of the Wind for the month of July, from 1848 to 1859 inclusive, were respectively N. 63° W., and 0.28 miles.

The mean temperature of July, 1859, differed but little from the average of the last 20 years, the depth of Rain recorded was 0.879 inches on the surface less than the mean of the same number of years, and the mean velocity of the wind was 1.908 miles per hour in excess of the average of 12 years.

COMPARATIVE TABLE FOR JULY.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.	
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	No. of days.	Resultant Direction.	Mean Velocity.
1840	65.8	- 1.3	78.4	48.2	31.2	6	5.270	...	...	0.27 lbs
1841	65.0	- 2.1	80.3	43.2	43.1	10	8.150	...	...	0.33 "
1842	64.7	- 2.4	80.5	42.0	48.5	4	8.050	...	...	0.44 "
1843	64.5	- 2.6	80.1	40.2	45.9	8	4.805	...	...	0.19 "
1844	67.0	- 1.1	80.1	40.5	45.6	12	3.816	...	...	0.30 "
1845	66.2	- 0.9	84.5	45.6	49.0	7	2.193	...	...	0.29 "
1846	68.0	+ 0.9	91.0	44.9	49.1	9	2.895	...	...	0.19 "
1847	68.0	+ 0.9	91.0	44.9	49.1	9	3.355	...	...	0.19 "
1848	65.5	- 1.6	82.7	46.7	36.0	10	1.890	...	N 14° W	0.18 4.84ms.
1849	68.4	+ 1.3	89.1	51.0	38.1	4	3.415	...	S 5° W	0.75 3.52 "
1850	68.0	+ 1.8	84.9	52.8	32.1	12	5.270	...	N 81° E	0.59 4.46 "
1851	65.0	- 2.1	82.7	52.1	30.6	12	3.625	...	N 60° W	0.88 4.13 "
1852	66.8	- 0.3	90.1	49.5	40.6	8	4.025	...	N 45° W	0.93 3.33 "
1853	65.6	- 1.5	82.4	49.4	36.0	10	0.915	...	S 53° E	0.24 3.69 "
1854	72.5	+ 5.4	93.6	53.0	40.6	9	4.805	...	S 49° W	0.37 4.03 "
1855	67.9	+ 0.8	89.4	53.1	35.3	13	3.245	...	S 19° W	0.73 6.47 "
1856	69.9	+ 2.8	92.0	51.4	40.6	8	1.120	...	N 79° W	1.57 5.84 "
1857	67.8	+ 0.7	85.4	52.4	33.0	15	8.475	...	S 68° E	0.81 4.74 "
1858	67.9	+ 0.8	85.4	55.9	27.5	12	3.072	...	N 15° E	1.13 5.76 "
1859	66.9	- 0.2	87.7	50.5	37.2	13	2.611	...	N 66° W	1.48 5.81 "
Mean	67.08	...	87.49	48.31	39.18	9.5	3.490	...	...	4.73