

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY, 1868.

COMPARATIVE TABLE FOR JULY.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.	
	Mean.	Excess above average.	Maxi. mum.	Mini. mum.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant.
										Direction.
1840	65.8	0.3	82.3	47.0	35.3	6	5.270	...	...	0
1841	65.0	-2.1	80.0	49.1	30.9	10	8.160	...	...	...
1842	64.7	-2.4	81.0	42.5	38.5	4	3.050	...	...	...
1843	64.5	-2.6	80.8	43.7	37.1	8	4.605	...	...	...
1844	68.0	-1.1	86.8	40.1	46.7	12	8.316	...	...	...
1845	68.2	-0.9	85.0	43.7	41.3	7	2.105	...	...	...
1846	68.0	-0.9	84.6	44.5	40.1	9	2.865	...	...	...
1847	65.0	-0.9	87.0	43.2	43.8	8	3.355	...	...	...
1848	65.5	-1.0	82.2	44.1	38.1	10	1.890	...	...	N 14 W
1849	68.4	-1.3	88.5	45.2	43.3	4	3.416	...	...	S 5 W
1850	68.9	-1.8	86.2	46.6	39.6	12	5.270	...	...	N 81 E
1851	65.0	-2.1	82.7	46.5	36.2	12	3.625	...	...	N 60 W
1852	68.8	-0.3	90.1	48.5	41.6	8	4.025	...	...	N 43 W
1853	68.0	-1.5	91.3	41.6	49.7	10	0.915	...	...	S 58 E
1854	72.5	-5.4	88.0	42.5	45.5	9	4.865	...	...	S 49 W
1855	67.0	-0.8	92.8	49.2	43.6	13	3.245	...	...	S 19 W
1856	69.9	-2.8	90.0	49.5	40.5	8	1.120	...	...	N 79 W
1857	67.8	-0.7	86.6	47.0	39.6	15	3.475	...	...	S 63 E
1858	67.0	-0.8	85.0	52.0	33.0	12	2.072	...	...	N 15 E
1859	69.0	-0.2	88.0	44.7	43.3	12	2.011	...	...	N 58 W
1860	68.9	-3.2	88.0	43.8	44.2	13	4.336	...	...	N 60 W
1861	68.4	-1.7	84.5	47.0	37.5	10	2.035	...	...	N 74 W
1862	66.7	-0.4	95.5	48.2	47.3	15	5.344	...	...	S 89 W
1863	67.7	-0.6	83.5	48.0	35.5	15	3.405	...	...	N 18 W
1864	69.7	-2.6	90.2	40.0	41.2	8	1.932	...	...	N 61 W
1865	65.0	-2.1	83.0	45.8	37.2	11	2.470	...	...	N 86 W
1866	70.4	-2.3	94.0	47.8	46.2	16	5.300	...	...	S 79 W
1867	68.2	-1.1	94.0	48.2	45.8	12	1.905	...	...	N 48 W
1868	76.8	-8.7	83.4	69.0	34.4	5	0.510	...	...	S 87 E
Mean for 1867.	67.08	...	89.04	46.78	43.29	10.57	3.453	...	...	N 69 W
Excess +	8.72	...	4.36	13.22	8.86	5.57	2.943	...	...	...
for '68										0.31

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 resultants for the wind are from hourly observations.

Highest Barometer 29.782 at 8 a.m. on 2nd } Monthly range= 0.442 inches.
Lowest Barometer 29.340 at 4 p.m. on 24th }

Maximum Temperature 89° on 13th } Monthly range= 31° 4
Minimum Temperature 56° on 26th }
Mean Maximum Temperature 69° 40 } Mean daily range= 18° 24
Mean Minimum Temperature 60° 16 }
Greatest daily range 29° 4 from a.m. to p.m. of 1st.
Least daily range 12° 4 from a.m. to p.m. of 23rd.

Warmest Day 14th... Mean Temperature 85° 40 } Difference = 16° 08
Coldest Day 26th... Mean Temperature 59° 42 }

Maximum { Solar 114° on 15th } Monthly range= 66° 8
Radiation, { Terrestrial 47° 2 on 26th }

Aurora observed on 4 nights, viz.:—10th, 11th, 13th and 14th.
Possible to see Aurora on 18 nights; impossible on 13 nights.
Raining on 5 days; depth 0.510 inches; duration of fall 11.6 hours.
Mean of Cloudiness=0.59.
Most cloudy hour observed 6 a.m.; Mean, 0.67; least cloudy hour, midnight; Mean, 0.48.

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

North. East. West.
1248.83 1178.35 943.90

Resultant Direction S 87° E.; Resultant Velocity 0.72.

Mean Velocity 4.06 miles per hour.
Maximum Velocity 13.6 miles, from 6 to 7 a.m. of 5th.
Most Windy Day 31st; Mean Velocity 9.03 miles per hour.
Least Windy Day 21st; Mean Velocity 2.02 miles per hour.
Most Windy hour Noon; Mean Velocity 7.41 miles per hour.
Least Windy hour 7 p.m.; Mean Velocity 2.87 miles per hour.

2nd, thunder storm. 7th, thunder storm. 7th, lunar halo.
13th, thunder storm. 31st, thunder storm.
Dew recorded on 3 mornings, fog on 3 occasions.

July, 1868. The temperature of this month exceeds any previously experienced here, and seems to have been generally felt as such. On four days, viz., 4th, 13th, 14th and 16th, the mean temperature of the day exceeds the warmest day previously recorded. The amount of rain is also the smallest recorded, being 2.9 less than the average.