

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR SEPTEMBER, 1866.

COMPARATIVE TABLE FOR SEPTEMBER.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.		
	Mean	Average	Maximum	Minimum	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant.	Mean Force or Velocity
1840	51.0	3.5	70.2	29.4	40.8	4	1.380	...	...	...	...
1841	61.3	3.5	70.9	27.5	42.4	9	3.340	...	...	...	0.26 lbs
1842	59.7	-2.1	83.5	28.3	5.2	12	6.160	...	...	...	0.45 "
1843	59.1	+1.3	87.8	33.1	54.7	10	9.700	...	...	...	0.57 "
1844	58.6	+0.8	81.5	29.6	51.9	4	Imp.	...	...	...	0.26 "
1845	56.0	-1.8	78.8	35.3	43.5	16	6.245	...	...	...	0.34 "
1846	63.6	+5.8	84.0	39.0	45.0	11	4.595	...	...	...	0.33 "
1847	75.6	+2.2	74.8	38.1	36.7	15	6.685	...	...	...	0.33 "
1848	54.2	-3.6	80.9	29.5	51.4	11	3.115	...	...	N 71 W	2.38 5.81 ms
1849	58.5	+1.3	76.0	31.7	44.3	9	1.450	...	...	N 75 W	0.69 4.23 "
1850	61.0	+2.2	86.3	33.4	52.9	9	2.665	...	...	S 65 W	1.0 4.78 "
1851	61.0	+0.3	81.8	36.1	45.7	10	3.630	...	...	N 14 E	1.0 5.45 "
1852	57.5	+1.0	85.4	36.1	49.3	12	5.140	...	...	N 77 W	0.5 4.60 "
1853	58.8	+3.2	93.1	36.3	56.8	14	5.875	...	...	N 22 W	1.33 4.04 "
1854	61.0	+1.7	81.7	36.1	45.6	12	5.585	...	...	N 20 E	1.29 7.61 "
1855	59.2	-0.7	77.3	37.4	39.9	13	4.105	...	...	S 79 W	1.98 6.53 "
1856	57.1	+0.8	81.4	34.1	47.3	11	2.640	...	...	N 93 W	1.61 5.55 "
1857	53.6	+1.3	80.1	36.8	43.3	8	0.735	...	...	S 74 W	1.53 5.69 "
1858	59.1	+2.6	73.8	35.7	38.1	15	5.525	...	...	N 44 W	1.60 6.36 "
1859	55.2	-2.5	74.2	28.7	45.5	14	1.959	...	...	N 71 W	2.61 5.9 "
1860	59.1	+1.3	78.2	37.1	41.1	17	3.097	...	...	N 71 W	1.39 4.1 "
1861	59.6	+1.8	78.9	41.0	37.9	9	2.344	...	...	N 59 W	1.07 5.1 "
1862	59.6	+1.9	78.2	31.6	46.6	8	1.235	...	...	N 38 W	0.92 6.40 "
1863	55.0	-1.4	72.4	41.0	31.4	11	2.508	...	...	N 36 W	1.89 7.06 "
1864	56.4	+6.7	87.2	43.2	44.0	12	2.450	...	...	S 56 E	0.47 4.12 "
1865	55.2	-2.0	78.2	35.3	42.9	15	5.657	...	...	N 33 W	1.45 4.63 "
Results for 1867	57.84	...	80.01	34.65	45.38	11.0	3.730	...	...	N 57 W	1.15 5.54
Exc. for 1866	-2.62	...	-1.83	+0.61	-2.41	+1.0	1.927	...	...	...	-0.91

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 resultant for the wind are from hourly observations.

Highest Barometer 29.936 at 10 p.m. on 15th. } Monthly range =
 Lowest Barometer 29.142 at midnight on 11th. } 0.794 inches.
 Maximum temperature 80° 0 on 2nd. }
 Minimum temperature 34° 4 on 2nd. } Monthly range =
 Difference 45° 6
 Mean maximum temperature 64° 00 } Mean daily range = 15° 27
 Mean minimum temperature 48° 73 }
 Greatest daily range 24° 5 from a.m. to p.m. of 28th.
 Warmest day 1st... Mean Temperature 64° 40 } Difference = 19° 77
 Coldest day 22nd... Mean Temperature 48° 03 }
 Radiation { Solar 130° 5 on 27th } Monthly range =
 { Terrestrial 26° 9 on 22nd } 104° 5
 Aurora observed on 3 nights, viz.:—on 3rd, 12th, and 13th.
 Possible to see Aurora on 19 nights; impossible on 11 nights.
 Snowing on 00 days; depth 0.0 inches; duration of fall 0.0 hours.
 Raining on 15 days; depth 5.657 inches; duration of fall, 80.4 hours.
 Mean of cloudiness=0.57; Most cloudy hour observed, 2 p.m.; mean=0.73; least cloudy hour observed, 10 p.m.; mean=0.44.

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

North.	South.	East.	West.
1404.42	523.93	869.18	1433.20
Resultant direction, N. 33° W.; Resultant Velocity, 1.45 miles per hour.			
Mean velocity 4.83 miles per hour.			
Maximum velocity 25.4 miles, from 8 to 9 p.m. of 14th.			
Most windy day 12th—Mean velocity 10.27 miles per hour.			
Least windy day 29th—Mean velocity 0.20 miles per hour.			
Most windy hour, 11 a.m.—Mean velocity, 7.83 miles per hour.			
Least windy hour, 2 a.m.—Mean velocity, 2.18 miles per hour.			

1st, Thunderstorm.—3rd. Solar halo.—11th. Foggy during day; lightning at night.—12th. Rainbow at 6 p.m.—14th. Thunderstorm during day, with violent gusts of wind.—15th. Thin ice, a.m. (first of season)—16th. Thunderstorm at night.—20th. Fog during day.—22nd. Hoar frost, a.m.—23rd. Hoar frost, a.m.—25th. Very heavy rain storm.—27th. Hoar frost, a.m.—25th. Hoar frost; fog at night. 26th. Foggy at night. 30th. Solar halo.

September, 1866, was cold and calm. The amount of rain is the greatest since 1847.