

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR SEPTEMBER, 1865.

COMPARATIVE TABLE FOR SEPTEMBER.

YEAR.	TEMPERATURE.					RAIN.		SNOW.		WIND.	
	Mean.	Excess above average.	Max. of day.	Min. of day.	Range.	No. of days.	Inches.	No. of days.	Inches.	Direction.	Force or Velocity.
1840	54.0	- 3.8	70.2	29.4	40.8	4	1.38	...	...	...	...
1841	61.3	+ 3.5	79.9	37.5	42.4	9	3.31	...	...	...	0.26 lbs.
1842	65.7	+ 2.1	83.5	28.3	55.2	12	0.16	...	...	...	0.45
1843	59.1	+ 1.3	87.8	33.1	54.7	10	9.76	...	...	...	0.57
1844	58.6	+ 0.8	81.5	29.6	51.9	4	Imp.	...	...	...	0.26
1845	56.0	+ 1.3	78.8	35.3	43.5	16	6.21	...	...	...	0.31
1846	63.6	+ 5.8	84.0	39.0	45.0	11	4.55	...	...	...	0.33
1847	55.6	+ 2.2	74.8	38.1	36.7	15	6.65	...	...	...	0.33
1848	51.2	+ 3.6	80.9	29.5	51.4	11	3.11	...	...	N 71° W	2.38
1849	53.2	+ 0.4	80.6	33.5	47.1	9	1.48	...	...	N 75° W	0.69
1850	56.5	+ 1.3	76.0	31.7	44.3	11	1.73	...	...	S 65° W	1.02
1851	60.0	+ 2.2	86.3	33.4	52.9	9	2.66	...	...	N 14° E	1.03
1852	57.5	+ 0.3	81.8	36.1	45.7	10	3.63	...	...	N 77° W	1.53
1853	58.8	+ 1.0	85.4	36.1	49.3	12	5.14	...	...	N	1.06
1854	61.0	+ 3.2	93.1	36.3	56.8	14	5.57	...	...	N 23° W	1.33
1855	59.5	+ 1.7	81.7	36.1	45.6	12	5.88	...	...	N 20° E	1.29
1856	57.1	+ 0.7	77.8	37.4	39.9	13	4.10	...	...	S 79° W	1.98
1857	58.0	+ 0.5	81.4	34.1	47.3	11	2.64	...	...	N 68° W	1.61
1858	59.1	+ 1.5	80.1	36.5	43.3	8	0.73	...	...	S 74° W	1.53
1859	55.2	- 2.6	73.8	35.7	38.1	15	3.52	...	...	N 44° W	1.60
1860	55.3	- 2.5	74.2	28.7	45.5	14	1.95	...	...	N 71° W	2.63
1861	59.1	+ 1.3	78.2	37.1	41.1	17	3.60	...	...	N 71° W	1.39
1862	59.6	+ 1.8	78.9	41.0	37.9	9	2.34	...	...	N 58° W	1.07
1863	55.9	- 1.9	78.2	31.6	46.6	8	1.23	...	...	N 16° W	0.92
1864	56.4	- 1.4	72.4	41.0	31.4	11	2.50	...	...	N 33° W	1.89
1865	64.5	+ 6.7	87.2	43.2	44.0	12	2.45	...	...	S 56° E	0.47
1866	57.8	...	80.0	34.0	45.3	11.0	3.73	...	...	N 57° W	1.16
1867	6.65	+ 6.17	+ 8.54	-	-	1.0	1.98	...	...	.....	..
1868	6.65	...	...	...	...	...	...	...	...	...	1.42

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., 9 a.m., 3 p.m., 6 p.m., 10 p.m., and midnight. The means and results for the wind are from hourly observations.

Highest Barometer.....30.021 at 8 a.m. on 27th } Monthly range =  
 Lowest Barometer .....29.443 at 2 p.m. on 8th } 0.578 inches.  
 Maximum Temperature.....90° on 14th } Monthly range =  
 Minimum Temperature.....49° on 19th } 48°  
 Mean maximum Temperature.....74°07 } Mean daily range =  
 Mean minimum Temperature.....57°10 } 16°97  
 Greatest daily range.....24°59 from a.m. to p.m. of 14th.  
 Least daily range.....6°5 from a.m. to p.m. of 30th.  
 Warmest day.....4th.....Mean temperature.....75°65 } Difference = 24°93  
 Coldest day.....26th.....Mean temperature.....50°72 } Monthly range =  
 Maximum { Solar.....126° on 5th and 14th } 91°5  
 Radiation { Terrestrial.....35° on 16th }  
 Aurora observed on 7 nights, viz:—11th, 12th, 15th, 16th, 18th, 20th, and 26th.  
 Possible to see Aurora on 23 nights; Impossible on 7 nights.  
 Raining on 12 days, depth 2.450 inches; duration of fall 39.2 hours.  
 Mean of cloudiness = 0.39.  
 Most cloudy hour observed, 8 a.m.; mean = 0.54; least cloudy hour observed, 4 and 10 p.m.; mean, = 0.30.

Sums of the components of the Atmospheric Current, expressed in miles.  
 North. South. East. West.  
 790.22 1136.83  
 978.45 854.03  
 Resultant direction S. 56° E.; Resultant velocity 0.47 miles per hour.  
 Mean velocity.....4.12 miles per hour.  
 Maximum velocity.....29.0 miles, from 4 to 5 a.m. of 15th.  
 Most windy day.....8th.....Mean velocity, 10.80 miles per hour. } Difference =  
 Least windy day.....16th.....Mean velocity, 0.46 ditto } 10.34 miles.  
 Most windy hour.....11 a.m.....Mean velocity, 6.88 ditto } Difference =  
 Least windy hour.....10 p.m.....Mean velocity, 2.17 ditto } 4.71 miles.  
 1st. Solar halo. 3rd. Sheet lightning at night.  
 4th. Dense fog during morning. 6th. Lunar halo. 7th. Lunar halo.  
 12th. Hoar frost at 5 a.m. 13th. Sheet lightning at night.  
 14th. Ground fog at 6 a.m.; very sultry day; sheet lightning at night.  
 17th. Thunder-storm, 10 a.m. to 1 p.m.; dense fog at night.  
 19th. Hoar frost, 6 a.m. 20th. Fine solar halo.  
 23rd. Considerable number of shooting stars observed.  
 24th. Thunder-storm during forenoon. 29th. Dense fog, 6 a.m.; lightning at 4 p.m.

September, 1865, was warm, dry, calm, and clear. The mean temperature was the highest recorded, the only previous September approaching to it being 1846.