

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR AUGUST, 1864.

Heavy Dew recorded on 9 mornings during this month.

COMPARATIVE TABLE FOR AUGUST.

YEAR.	Mean	TEMPERATURE.			RAIN.		SNOW.		WIND.	
		Excess above Average (45°)	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	No. of days.	Direction.	Force or Velocity.
1840	61.7	-1.5	80.1	47.4	32.7	12	2.00	...	...	...
1841	64.4	-1.8	83.5	46.7	36.8	9	6.14	...	...	0.19 lbs
1842	63.7	-1.5	80.7	45.3	35.4	6	2.60	...	...	0.30 "
1843	66.4	+0.2	85.5	44.4	41.1	4	4.86	...	...	0.12 "
1844	61.3	+1.0	82.5	44.3	38.2	17	1.00	...	...	0.16 "
1845	67.9	+1.7	82.5	44.4	38.1	9	1.72	...	...	0.19 "
1846	68.4	+2.2	86.3	50.4	35.9	9	1.77	...	...	0.17 "
1847	63.1	-1.1	83.1	44.9	38.2	10	2.14	...	...	0.19 "
1848	69.2	+3.0	87.5	49.3	38.2	8	0.85	...	...	0.38 4.55 ms
1849	64.3	+0.1	70.5	51.4	28.1	10	4.97	...	...	0.60 3.76 "
1850	68.8	+0.6	81.2	43.0	41.2	13	4.32	...	...	0.35 4.48 "
1851	63.6	-2.0	79.8	43.6	36.2	10	1.86	...	...	0.40 4.61 "
1852	63.9	-0.3	81.2	46.7	34.5	9	2.69	...	...	0.56 3.30 "
1853	68.6	+2.4	91.6	47.6	41.0	11	2.57	...	...	0.30 4.26 "
1854	68.0	+1.8	98.1	47.0	51.1	5	0.43	...	...	1.76 4.60 "
1855	64.1	-2.1	82.1	44.9	37.2	7	1.43	...	...	1.04 6.97 "
1856	63.6	-2.6	81.3	44.0	37.3	13	1.65	...	...	2.88 7.03 "
1857	65.3	-0.9	85.3	50.1	35.2	12	5.25	...	...	1.51 6.50 "
1858	67.6	+1.4	83.4	45.4	38.0	11	3.89	...	...	1.67 5.96 "
1859	66.6	+0.4	81.8	46.2	35.6	11	3.90	...	...	1.52 5.96 "
1860	64.5	-1.7	81.8	47.1	34.7	14	3.40	...	...	1.83 5.80 "
1861	63.5	+1.7	82.5	48.2	34.3	15	2.03	...	...	0.49 4.21 "
1862	67.6	+1.4	87.6	47.7	39.9	15	3.48	...	...	1.07 5.96 "
1863	68.6	+0.4	87.2	43.3	43.3	12	2.20	...	...	1.80 4.89 "
1864	68.6	+2.4	92.6	48.6	44.0	16	5.06	...	...	1.38 4.75 "
Results to 1864.	68.21	...	84.45	46.50	37.95	10.7	3.02	...	N 67 W	0.93 5.18
Exc.	+2.37	...	+8.15	+2.10	+6.05	5.3	2.03	...	...	...
1864.	...	...	...	...	...	...	...	...	...	-0.43

Notes.—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 results for the wind are from hourly observations.

Highest Barometer 29.853 at 8 a.m. on 10th. } Monthly range =

Lowest Barometer 29.009 at 10.30 a.m. on 27th. } 0.764 inches.

Maximum temperature 91° on p.m. of 8th } Monthly range =

Minimum temperature 47° on a.m. of 31st } 47° 0

Mean maximum temperature 77° 24 } Mean daily range = 15° 58

Mean minimum temperature 61° 41 }

Greatest daily range 29° 2 from a.m. to p.m. of 8th.

Least daily range 3° 8 from a.m. to p.m. of 22nd.

Warmest day 10th. Mean Temperature 80° 18 } Difference = 23° 16

Coollest day 30th. Mean Temperature 57° 02 }

Maximum (Solar Vacuum) 127° 59 on p.m. of 1st } Monthly range =

Radiation (Terrestrial) 74° 0 on a.m. of 20th } 53° 0

Aurora observed on 6 nights, viz.:—on 13th, 24th, 25th, 25th, 30th and 31st.

Possible to see Aurora on 12 nights; impossible on 19 nights.

Raining on 16 days; depth 5.069 inches; duration of fall, 57.8 hours.

Mean of cloudiness = 0.70; above average, 0.23. Most cloudy hour observed, 4 p.m.; mean = 0.73; least cloudy hour observed, 10 p.m.; mean = 0.63.

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

North. South. East. West.

1262.51 903.32 691.61 1026.71

Resultant direction, N. 70° W.: Resultant Velocity, 1.33 miles per hour.

Mean velocity 4.75 miles per hour.

Maximum velocity 20.2 miles, from 4 to 5 p.m. on 27th.

Most windy day 20th.—Mean velocity 1.03 miles per hour.

Least windy day 5th.—Mean velocity 1.03 miles per hour.

Most windy hour, noon to 1 p.m.—Mean velocity, 8.62 miles per hour. } Difference 9.21.

Least windy hour, 3 to 4 a.m.—Mean velocity, 2.87 miles per hour. } 5.15 miles.

1st. Thunder and slight rain, 1 to 2 p.m.; sheet lightning and constant rain from 9

p.m.—6th. Distant thunder in W. 4 to 5 p.m.—8th to 13th, inclusive, very sultry

days.—10th. Sheet lightning in S.W. at midnight.—11th. Thunder, lightning, and

rain nearly all day.—12th. Thunderstorm, lightning, and rain, 10.50 to 11.30 a.m.

—13th. Thunderstorm 3 to 5.30 a.m., and again from 10.30 a.m. to 4 p.m.; auroral

arch, patches and streamers at midnight.—21st. Thunder in S.W. 11.30 a.m. to 2

p.m.—24th. Loud thunder and vivid lightning, 5 to 6 p.m.: 9.50 to 10.40 p.m., a

beautiful and well defined auroral band, extending from horizon in W.N.W. to

E.S.E., being about 2° in breadth, and passing the meridian considerably to S. of

Zenith.—25th. Fog at 6 a.m.; thunderstorm 11.30 a.m. to 12.30 p.m.; faint aurora

in N. from 8 p.m. to midnight.—26th. Thunderstorm, lightning, and rain, 3 p.m.

to midnight.—28th, 30th, and 31st.—Faint auroral light in N. at midnight.