

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR AUGUST.

Highest Barometer 29.797 at 2 p. m., on 31st } Monthly range =
 Lowest Barometer 29.174 at 10 p. m., on 19th } 0.623 inches.
 Highest registered temperature 82°7 at p. m., on 20th } Monthly range =
 Lowest registered temperature 41°5 at a. m., on 20th } 41°2
 Mean maximum Thermometer 73°74 } Mean daily range = 20°72
 Mean minimum Thermometer 52°96 }
 Greatest daily range 31°5 from p. m. of 12th to a. m. of 13th.
 Least daily range 8°3 from p. m. of 19th to a. m. of 20th.
 Warmest day 2nd ... Mean temperature 72°80 } Difference = 21°72.
 Coldest day 25th ... Mean temperature 59°83 }
 Greatest intensity of Solar Radiation 88°8 on 12th } Monthly range =
 Lowest point of Terrestrial Radiation 32°3 on 28th } 68°0
 Auroral Light observed on 5 nights, viz., 6th, 22nd, 23rd, 24th, and 31st; possible to
 see Aurora on 22 nights; impossible to see aurora on 9 nights.
 No Snow this month. Raining on 12 days,—depth 1.680 inches—raining 23.6 hours.
 Mean of cloudiness = 0.48; most cloudy hour observed, 2 p. m., mean = 0.63;
 least cloudy hour observed, 10 p. m., mean, = 0.25.

Sum of the Atmospheric Current, in miles, resolved into the four Cardinal directions.

North.	South.	East.	West.
2601.46	1230.88	600.96	2253.63
Resultant direction of the wind, N 50° W.; Resultant Velocity 2.87 miles			
Mean velocity of the wind 7.03 miles per hour.			
Maximum velocity 24.8 miles per hour, from 4 to 5 p. m. on 20th.			
Most windy day 20th. Mean velocity 15.92 miles per hour.			
Least windy day 27th. Mean velocity 2.80			
Most windy hour ... 3 to 3 p. m. Mean velocity 10.75 ditto.			
Least windy hour ... 11 to Midnight. Mean velocity 3.80 ditto.			
Mean diurnal variation = 6.89 miles.			
2nd—Thunderstorm, 10 p. m. till midnight.			
9th—Shooting Stars numerous at night.			
15th—Slight Thunderstorm, noon to 1 p. m.			
16th—Imperfect Rainbow at 5 p. m.			
18th—Imperfect Halo at midnight.			
23rd—Heavy Thunderstorm, 3 to 7 a. m.			

COMPARATIVE TABLE FOR AUGUST.

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YEAR.	TEMPERATURE.					RAIN.		WIND.		
	Mean.	Diff. from Aver.	Max. from obs'd.	Min. obs'd.	Range.	Days.	Inch.	Resultant.		
								Direction.	Velocity.	
1840	64.7	-1.4	80.1	47.4	32.7	12	2.905	...	...	0.19 lbs.
1841	64.4	-1.7	83.5	46.7	36.8	9	6.170	...	...	0.30 "
1842	65.7	-0.4	80.7	45.3	35.4	6	2.500	...	...	0.12 "
1843	64.4	+0.3	85.5	44.4	41.1	4	4.850	...	...	0.16 "
1844	64.3	-1.8	82.5	44.3	38.2	17	imperf	...	...	0.19 "
1845	67.3	+1.8	82.5	44.4	38.1	9	1.725	...	...	0.17 "
1846	68.4	+2.3	86.3	50.4	35.9	9	1.770	...	...	0.19 "
1847	65.1	-1.0	83.1	44.9	38.2	10	2.140	...	...	0.55 miles.
1848	69.2	+3.1	87.5	49.3	38.2	8	0.855	S 21° E	0.98	4.85 miles.
1849	66.8	+0.7	84.2	43.0	41.2	13	4.355	N 73° W	0.59	3.76 "
1850	66.8	+0.7	84.2	43.0	41.2	13	4.355	N 15° E	0.35	4.46 "
1851	63.6	-2.5	79.8	43.6	36.2	10	1.890	N 70° E	0.40	4.02 "
1852	63.9	-0.2	81.2	46.7	34.5	9	2.685	N 70° E	0.56	3.30 "
1853	63.6	+2.5	81.6	47.6	44.0	11	2.575	S 28° E	0.87	4.23 "
1854	64.1	+1.9	86.1	47.0	51.1	5	0.455	N 62° W	1.75	4.74 "
1855	63.0	-2.0	82.1	44.9	37.2	7	1.455	N 63° W	1.04	6.97 "
1856	63.6	-2.5	81.3	44.0	37.3	12	1.680	N 50° W	2.87	7.03 "
Mean	66.08	...	84.09	46.19	37.89	9.52	2.654	...	...	4.85 miles.

Lightning not accompanied by thunder occurred on 5 days.
 Very heavy falls of Dew almost every night during the month.
 The mean temperature of the month and the quantity of rain that fell were respectively 2°5 and 0.974 inches below the average, and the mean velocity of the wind 2.18 miles above the average of 9 years; the month, therefore, may be regarded as cold, dry and windy.
 The total displacement of air during the month was equal to that produced by a wind blowing from N 50° W with an uniform velocity of 2.87 miles.
 The total displacement during the months of August of the last 9 years, was equal to that of a wind from N 57° W velocity 0.89 miles.