

MONTHLY METEOROLOGICAL REGISTER, AT E. M. MAGNETICAL OBSERVATORY, TORONTO, O. W.—JUNE, 1851.
 Latitude 43°. 39'. 4" N. Longitude, 79°. 21'. 6" W. Elevation above Lake Ontario, 108 feet.—For the British American Medical and Physical Journal.

Day.	Barometer at Temp. of 32°		Temperature of the Air.		Tension of Vapour.		Humidity of the Air.		Wind.		Inch. of Rain.	Weather.
	6 A.M.	10 P.M.	6 A.M.	10 P.M.	6 A.M.	10 P.M.	6 A.M.	10 P.M.	6 A.M.	10 P.M.		
1	29.471	29.471	55.6	64.7	0.320	0.238	0.290	76	43	70	67	Light clouds; light clouds and haze.
2	29.601	29.680	45.8	64.8	0.244	0.308	0.294	60	47	80	69	Overcast; dense clouds and haze.
3	29.597	29.652	52.8	68.2	0.207	0.281	0.203	68	70	84	72	Light clouds; mostly clear.
4	29.771	29.751	47.4	60.8	0.208	0.369	0.222	68	47	84	80	Clouds dispersed; aurea at 10 p.m.
5	29.639	29.682	52.8	65.2	0.222	0.386	0.241	68	61	91	72	Thunderstorm; rain; rain after.
6	29.202	29.311	56.0	63.2	0.407	0.387	0.355	62	91	97	83	Thunderstorm; rain at 6 a.m.; day clear.
7	29.269	29.356	61.6	60.6	0.334	0.255	0.279	62	73	73	68	Thunder; lightning & rain all day.
8	29.638	29.614	50.9	60.6	0.292	0.369	0.261	66	66	79	73	Clouds dispersed; clear; fine.
9	29.447	29.504	55.5	67.4	0.414	0.314	0.374	66	66	89	86	0.300 Clear; fine; rain during night.
10	29.600	29.648	62.6	63.2	0.311	0.389	0.369	68	68	79	78	0.160 Rain; light 10 a.m.; afternoon clear.
11	29.741	29.759	49.6	64.8	0.311	0.255	0.355	69	76	96	80	0.140 Clear; fine; rain; rain at 10 p.m.
12	29.883	29.881	54.4	67.2	0.313	0.279	0.330	70	67	66	67	Clear; faint aurora at midnight.
13	29.844	29.902	58.6	61.8	0.305	0.374	0.323	63	70	83	69	Unclear; very fine.
14	29.980	29.971	65.6	65.6	0.281	0.331	0.363	63	73	83	69	Clouds dispersed; clear; fine.
15	29.855	29.855	61.0	68.1	0.339	0.410	0.374	66	76	97	95	Unclear; haze round noon; fine.
16	29.782	29.805	60.4	63.9	0.437	0.330	0.419	61	98	85	81	Unclear; haze round noon; fine.
17	29.698	29.610	61.0	72.4	0.385	0.436	0.361	61	98	85	81	Clouds and haze; air fog p.m.
18	29.697	29.406	61.0	64.8	0.493	0.330	0.490	82	82	95	85	Mostly clear; light clouds dispersed.
19	29.340	29.307	61.4	69.6	0.573	0.405	0.533	80	92	92	82	Thunderstorm & rain 10 p.m. to 1 p.m.
20	29.609	29.611	61.8	76.3	0.447	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
21	29.652	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
22	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
23	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
24	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
25	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
26	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
27	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
28	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
29	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
30	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.
31	29.651	29.487	61.8	76.3	0.457	0.481	0.493	83	77	86	86	Thunderstorm 5 to 6 p.m.

Highest Barometer	Lowest do.	Highest obs. Temperature	Lowest do.	Mean highest observed Temperature	Mean Min. Therm.	Greatest Daily range	Warmest Day	Coldest Day	Mean Diurnal Variation
30.031 at 8 a.m. on 15th	29.004 at 6 a.m. on 7th	79.3 at 3 p.m. on the 9th	37.0 at 4 a.m. on 6th	67.13	61.84	5.29	29.741	29.202	11.65
Monthly Range 4.22		Monthly Range 42.2		Monthly Range 6.29		Monthly Range 5.94		Monthly Range 4.45	
Sum of the Atmospheric Currents in miles resolved into the four Cardinal directions.		North. 618.40		West. 934.48		S. 1529.27		E. 1629.27	
Mean velocity of the Wind, 4.42 miles per hour.		Maximum velocity, 21.3 miles from 4 to 6 P.M. on 2nd.		Most Windy day, 2nd, mean velocity per hour, 9.63 miles.		Least do 6th, do 1.70 miles.		Least Windy hour, 4 p.m., mean velocity, 7.60 miles per do.	
Mean diurnal variation, 6.67 miles per hour		do 1 a.m., do 2.02 do.		do 1 a.m., do 2.02 do.		do 1 a.m., do 2.02 do.		do 1 a.m., do 2.02 do.	
Year	Mean	Max.	Min.	Range	No. of days	Inches	Snow		
1848	66.00	85.1	45.3	47.8	9	1.69	1.69		
1849	66.40	79.0	38.1	47.9	15	6.08	6.08		
1850	66.84	83.8	38.8	45.0	12	3.25	3.25		
1851	66.94	83.8	38.8	45.0	11	3.75	3.75		
1852	67.41	83.3	32.2	51.1	10	1.20	1.20		
1853	68.32	84.6	40.0	44.6	10	6.25	6.25		
1854	68.32	84.6	39.0	45.6	14	1.10	1.10		
1855	68.13	77.8	36.0	41.8	7	1.80	1.80		
1856	68.44	82.0	37.4	44.6	8	2.90	2.90		
1857	68.24	82.0	37.4	44.6	7	3.46	3.46		
1858	68.01	84.4	35.2	49.2	10	1.0	1.0		
1859	68.01	84.4	35.2	49.2	10	1.0	1.0		
1860	68.50	86.6	31.2	55.4	11	3.65	3.65		
1861	69.84	79.2	37.0	42.2	11	2.05	2.05		