

MONTHLY METEOROLOGICAL REGISTER AT E.M. MAGNETICAL OBSERVATORY, TORONTO, O.W.—SEPTEMBER, 1851.  
 Latitude 43°. 39.4 N. Longitude, 79° 21.5 W. Elevation above Lake Ontario, 108 feet.—For the British American Medical and Physical Journal.

Day	Barometer at 10 pm. Mean.			Temperature of the Air.			Tension of Vapour.			Humidity of Air.			Wind.			Ins. of Rain.	Weather.
	6 a.m.	2 p.m.	10 p.m.	6 a.m.	2 p.m.	10 p.m.	6 a.m.	2 p.m.	10 p.m.	6 a.m.	2 p.m.	10 p.m.	6 a.m.	2 p.m.	10 p.m.		
1	29.897	29.898	29.695	30.005	60.3	69.6	69.4	0.439	0.657	0.517	84	80	88	NE by N	E S E	0.230	Dens Ch'd R'ng from 1.45 fm
2	29.769	29.803	29.688	29.727	62.4	73.8	66.2	0.490	0.407	0.493	81	61	87	S W	N	—	Nearly unclouded, fine day
3	29.682	29.770	29.588	29.588	62.4	72.0	65.3	0.443	0.623	0.443	69	69	82	S by E	NE by E	—	Ch'r fine Air, 5.10, 5.0pm to 2.40
4	29.614	29.797	29.704	29.601	63.6	70.8	69.3	0.417	0.388	0.496	67	72	85	N N E	E S E	—	Unclouded; very fine day
5	29.515	29.794	29.738	29.582	63.2	77.4	77.4	0.419	0.630	0.541	95	84	89	E	E S E	—	Unclouded; heavy rain hor'z'one
6	29.793	29.732	29.703	29.731	65.0	77.2	66.6	0.449	0.761	0.691	95	81	92	E	E S E	—	Unclouded; A'ra from 7.40 pm
7	29.648	29.785	29.805	29.680	61.9	79.8	68.8	0.456	0.753	0.651	84	76	86	E by S	E S E	—	Clear fine cold hor'z'one
8	29.905	29.778	29.711	29.769	66.3	75.9	70.3	0.627	0.695	0.627	91	80	86	E by S	E S E	—	Clear fine cold hor'z'one
9	29.751	29.732	29.711	29.739	63.6	75.9	71.5	0.637	0.674	0.691	91	77	87	E by S	E S E	—	Clear fine cold hor'z'one
10	29.780	29.748	29.742	29.783	65.2	72.3	70.4	0.561	0.691	0.705	93	82	90	E by S	E S E	—	Clear fine cold hor'z'one
11	29.689	29.698	29.732	29.691	61.9	80.4	73.4	0.556	0.711	0.732	93	85	90	E by S	E S E	—	Clear fine cold hor'z'one
12	29.690	29.719	29.683	29.711	68.6	62.3	47.5	0.564	0.338	0.338	94	87	85	E by S	E S E	—	Clear fine cold hor'z'one
13	29.690	29.719	29.683	29.711	68.6	62.3	47.5	0.564	0.338	0.338	94	87	85	E by S	E S E	—	Clear fine cold hor'z'one
14	29.690	29.719	29.683	29.711	68.6	62.3	47.5	0.564	0.338	0.338	94	87	85	E by S	E S E	—	Clear fine cold hor'z'one
15	29.211	30.212	30.185	30.207	40.0	67.2	41.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
16	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
17	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
18	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
19	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
20	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
21	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
22	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
23	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
24	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
25	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
26	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
27	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
28	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
29	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
30	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
31	29.211	30.147	30.163	30.181	41.9	60.6	46.0	0.199	0.213	0.216	81	67	85	N by E	E S E	—	Clear fine cold hor'z'one
Mean	29.779	29.753	29.748	29.753	63.7	66.9	67.3	0.538	0.509	0.511	90	74	81	4.49	7.74	2.665	Heat frost on 16th first this m

Sum of the Atmospheric Currents, in Miles resolved into North and South Winds.

Sum of the Cardinal directions, at 3 p.m., on 10th } Monthly Range 51.2

Mean velocity of the wind, 6.45 miles per hour.

Max. vel. 22.3 miles per hour, from noon to 1 P.m., on 26th

Least do 15th, do do do

Most windy hour, 1 P.m., do do

Least do 10 P.m., do do

Mean Diurnal Variation, 4.83 miles.

Highest obs. Barometer, 30.231, at 8 a.m., on 15th } Monthly Range 17.34  
 Highest obs. Temperature, 86.3, at 3 p.m., on 10th } Monthly Range 51.2  
 Mean high, do do at 9 a.m., on 25th } Monthly Range 51.2  
 Mean high, obs. Tem. 67.32 } Mean Daily Range 17.34  
 Greatest obs. Ther. 86.3 } Mean Daily Range 17.34  
 Warmest Daily range, 30.0, from 2 p.m., of 23d to 6 a.m., of 21st }  
 Warmest Day, 13th.—Mean Temperature, 75.48 } Differ. 31.96  
 Coldest Day, 24th.—Mean Temperature, 43.52 }

Year	Temperature.				Days	Ins	Snow.
	Mean	Max.	Min.	Range			
1810	51.40	70.6	30.2	43.4	4	1.330	
1811	51.60	82.6	27.7	42.6	6	1.330	
1812	55.60	83.6	27.9	61.8	10	6.180	
1813	55.60	82.0	33.2	56.7	12	9.760	
1814	55.47	81.8	28.2	56.3	10	6.240	
1815	55.91	76.9	34.0	45.6	4	0.230	
1816	55.41	84.3	37.3	47.0	0	4.695	
1817	54.91	74.6	35.0	39.6	16	6.665	
1818	53.39	80.4	28.1	52.3	11	6.240	
1819	57.04	80.1	32.7	47.4	9	1.480	
1820	56.04	76.0	29.5	46.5	9	1.735	
1851	60.08	84.0	32.0	54.3	11	2.665	