

MONTHLY METEOROLOGICAL REGISTER, AT E. M. MAGNETICAL OBSERVATORY, TORONTO, O. W. - JUNE, 1890.  
 Latitude 43° 30' N. Longitude, 79° 21' W. Elevation above Lake Ontario, 108 feet. - (For the British American Medical and Physical Journal.)

Day	Barometer at Temp. of 33°			Temperature of the Air.			Tension of Vapour.			Humidity of the Air.			Wind.			Ins. of Rain	Weather.				
	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.						
1	29.629	29.621	29.616	20.631	51.8	68.1	49.4	—	53.1	27.5	34.2	29.3	31.1	73	70	85	78	—	—	Unclouded; very fine day	
2	29.668	29.660	29.719	29.718	61.4	67.4	—	—	63.1	34.2	36.3	—	—	72	56	83	68	—	—	Light clouds; very fine day	
3	29.736	29.695	29.719	29.718	57.6	75.0	—	—	61.6	39.6	41.8	—	—	78	60	83	68	—	—	Gen. clear; heavy round haze; fine	
4	29.847	29.833	29.870	29.870	60.6	78.3	—	—	64.6	40.2	38.4	—	—	78	48	83	72	—	—	Unclouded; haze; in day; ft. aur 8 to 9	
5	29.942	29.893	29.905	29.903	60.8	78.3	—	—	61.6	40.2	38.4	—	—	78	48	83	72	—	—	Overscast; haze; rain; in 11 p.m.	
6	29.934	29.862	29.905	29.903	60.8	78.3	—	—	61.6	40.2	38.4	—	—	78	50	83	75	—	—	Th & slight rain during p.m.	
7	29.764	29.942	29.692	29.689	68.4	82.0	—	—	71.0	53.3	53.7	—	—	87	87	79	76	—	—	Generally clouded; ice & sultry	
8	29.630	29.843	29.423	29.470	65.7	75.4	—	—	66.5	66.8	60.0	—	—	91	72	96	85	—	—	It rained; ths. in fm 7.30 till 11 am	
9	29.610	29.833	29.470	29.470	65.7	75.4	—	—	66.5	66.8	60.0	—	—	91	72	96	85	—	—	Generally Clouded	
10	29.621	29.801	29.670	29.670	54.8	67.7	—	—	65.6	51.9	51.9	—	—	98	98	76	64	—	—	Almost entirely clear; fine day	
11	29.818	29.810	29.751	29.751	62.4	67.7	—	—	66.6	52.1	52.1	—	—	94	65	84	64	—	—	Gen. clear; sll heat frost at 5 am	
12	29.725	29.561	29.615	29.603	63.9	82.2	—	—	66.9	53.4	53.4	—	—	39	33	83	64	—	—	Few passing clouds; very fine day	
13	29.481	29.456	29.479	29.467	66.8	65.8	—	—	64.9	54.0	48.0	—	—	61	61	87	75	—	—	Cloudy; sll r. p.m.; sll light fog	
14	29.653	29.610	29.517	29.524	59.8	71.4	—	—	65.4	44.4	44.4	—	—	87	87	83	68	—	—	Cloudy; th; lig. & in fm 5 p.m.	
15	29.650	29.684	29.714	29.678	60.2	66.3	—	—	60.3	47.0	50.9	—	—	94	81	93	89	—	—	Cloudy; clear fm 4; ngt. fine	
16	29.808	29.745	29.714	29.678	60.2	66.3	—	—	60.3	47.0	50.9	—	—	94	81	93	89	—	—	Unclouded; very fine day	
17	29.700	29.665	29.639	29.666	61.2	69.2	—	—	63.3	30.1	41.2	—	—	59	59	70	68	—	—	Gen. overcast; detach mass of clouds	
18	29.667	29.676	29.683	29.680	61.2	69.2	—	—	63.3	30.1	41.2	—	—	67	67	70	68	—	—	Cloudy; night clear and fine	
19	29.630	29.683	29.683	29.683	61.2	69.2	—	—	63.3	30.1	41.2	—	—	67	67	70	68	—	—	Light detached passing clouds	
20	29.630	29.683	29.683	29.683	61.2	69.2	—	—	63.3	30.1	41.2	—	—	67	67	70	68	—	—	Day cloudy; night clear and fine	
21	29.630	29.683	29.683	29.683	61.2	69.2	—	—	63.3	30.1	41.2	—	—	67	67	70	68	—	—	Light detached clouds passing rapidly	
22	29.778	29.794	29.774	29.781	60.4	67.8	—	—	67.8	46.6	46.6	—	—	82	82	83	82	—	—	Gen. clear; few passing clouds; fine day	
23	29.761	29.676	29.627	29.639	66.4	67.0	—	—	63.4	49.6	49.6	—	—	79	79	82	84	—	—	Few clouds; clear; p.m.; fine day	
24	29.597	29.629	29.733	29.730	72.0	79.7	—	—	63.0	48.4	48.4	—	—	78	78	89	84	—	—	Unclouded; very fine day	
25	29.739	29.725	29.725	29.730	63.4	68.4	—	—	63.0	46.2	46.2	—	—	46	46	66	69	—	—	Light clouds; night clear and fine	
26	29.739	29.618	29.625	29.630	63.4	73.6	—	—	63.9	43.7	35.8	—	—	69	69	85	85	—	—	Gen. clear; few passing clouds; fine day	
27	29.479	29.425	29.478	29.469	59.4	62.6	—	—	61.1	40.1	43.0	—	—	69	69	85	85	—	—	Unclouded; slight rain p.m.	
28	29.470	29.423	29.459	29.459	63.9	68.0	—	—	61.0	44.4	46.6	—	—	89	89	87	79	—	—	Gen. clear; slight rain p.m.	
29	29.426	29.406	29.402	29.438	68.0	79.0	—	—	69.3	65.6	63.8	—	—	94	94	84	84	—	—	Sll r. am; cold all day; dull & damp	
30	29.483	29.433	—	—	68.3	66.2	—	—	69.3	63.8	63.8	—	—	88	88	84	84	—	—	Few clouds; very sultry	
31	29.673	29.630	29.631	29.645	62.8	72.3	—	—	64.86	45.3	49.3	—	—	79	64	84	77	—	—	Overscast; gloomy; sll r. in 10 am	
																					F. rap. of auroral l. 10 to midnight

Sum of the Atmospheric Currents in miles resolved into the four Cardinal directions.  
 North 1154.3, West 1121.8, South 918.8, East 918.8.  
 Mean velocity of the wind, 4.64 miles per hour.  
 Greatest velocity, 19.2 miles from 1 to 2 p.m., on the 10th  
 Least Windy day, 10th: mean velocity per hour, 11.33 miles  
 Most Windy hour, 4 p.m.: mean velocity, 7.06 miles per hour  
 Least do., midnight do., 2.36 do. do.  
 Diurnal variation, 6.30 miles per hour.

Highest Barometer, 29.942 at 7 a.m. on 6th } Monthly  
 Lowest do., 29.363 at 3 p.m. on 9th } Range, 30.570.  
 Highest obs. Temperature, 85.96 p.m. on 7th } Monthly  
 Lowest do., 34.69 a.m. on 4th } Range, 61.4.  
 Mean Max. Therm., 74.919 } Mean Daily Range, 22.903  
 Mean Min. do., 52.916 }  
 Greatest Daily range, 40.96 from p.m. of the 31st to a.m. of the 22nd

Mean temperature at 2 p.m., 73.11 - (Vermont observed hour)  
 Do., do., at 11 p.m., 60.58 - (Coldest observed hour)  
 Diurnal variation, 12.53 - A considerable quantity of yellow matter  
 fell with rain on the 20th.

Year	Temperature.				No. of days	Inches	Days	Inches
	Mean	Max.	Min.	Ings.				
1880	63.30	79.0	36.7	43.2	11	4.860	—	
1881	66.06	82.1	45.3	47.2	9	1.669	—	
1882	66.40	76.0	38.1	47.9	16	5.755	—	
1883	68.94	83.3	38.2	53.1	12	4.625	—	
1884	69.41	83.3	33.2	53.1	9	3.715	—	
1885	69.32	81.6	33.6	45.0	11	2.020	—	
1886	68.33	83.1	33.1	45.1	14	1.920	—	
1887	68.22	79.8	33.0	41.8	10	2.628	—	
1888	65.42	72.8	33.0	40.0	7	2.150	—	
1889	63.01	84.4	33.4	40.0	2	1.000	—	
1890	64.86	88.6	34.2	51.4	10	5.345	—	