

MONTHLY METEOROLOGICAL REGISTER AT H.M. MAGNETICAL OBSERVATORY, TORONTO, CANADA, DURING 1885.
 Latitude 43° 39' 4. N. Longitude 79° 21' 5. W. Elevation above Lake Ontario, 108 Feet.—(For the Brit. Amer. Jour. of Med. and Phys. Science.)

Day.	Barometer at Temp. of 32°.		Temperature of the Air.				Tension of Vapour.		Humidity of the Air.		Wind.		Rain in 24 hours.	WEATHER.						
	7 A.M.	3 P.M.	Mean of 24 h.	7 A.M.	3 P.M.	10 P.M.	Mean of 24 h.	7 A.M.	3 P.M.	10 P.M.	Mean of 24 h.	7 A.M.			3 P.M.	10 P.M.				
1,	29.841	29.691	29.598	32.6°	39.6°	34.1°	36.2°	173	171	180	168	.94	.71	.93	.80	S.	S. by W.	E.	0.360	Clear till 7 a.m. Remainder of day overcast. Ring slightly from 8 p.m.
2,	29.430	29.520	29.581	33.8°	37.6°	34.2°	34.8°	183	182	172	179	.95	.81	.89	.89	Calm.	N. N. W.	Calm.	0.360	Rain ceased at 6h. 40m. am. Dry dense cloud
3,	29.582	29.553	29.634	32.9°	31.4°	28.4°	30.0°	166	142	135	146	.89	.80	.85	.87	Calm.	N. N. W.	N. W.	0.360	Day dense cloud. Slight snow fr 8 am till noon. Day dense cloud. Slight snow fr 11 am till 7 pm. Detached passing clouds.
4,	29.726	29.625	29.518	30.5°	30.5°	33.2°	28.7°	127	151	167	143	.90	.89	.88	.90	W. N. W.	S.	S. by W. 1.5	0.360	Detached passing clouds.
5,	29.525	29.484	29.506	28.4°	32.6°	32.4°	30.5°	139	171	145	147	.89	.93	.78	.86	W. by S.	W. by S.	S. by W.	0.360	Generally clouded.
6,	29.715	29.906	29.811	32.0°	39.2°	32.4°	34.2°	156	165	145	166	.87	.73	.93	.85	Calm.	Calm.	Calm.	0.360	A few light clouds. Fine day.
7,	29.866	29.906	29.916	32.0°	39.2°	32.4°	34.2°	167	173	169	166	.81	.81	.93	.85	S. S. W.	S. W.	Calm.	0.360	Genl. clear. Faint auroral light 9 pm.
8,	29.821	29.685	29.793	35.4°	44.3°	41.0°	41.2°	167	224	231	208	.81	.81	.91	.81	S.	S. W.	S. W.	0.360	not at 8 pm. Faint auroral light 9 pm.
9,	29.817	29.448	29.369	36.4°	41.1°	38.6°	41.5°	181	248	273	249	.85	.98	.96	.95	Calm.	E.	E.	0.295	not at 8 pm. Faint auroral light 9 pm.
10,	29.343	29.448	29.577	45.4°	45.6°	42.0°	42.0°	293	237	185	227	.98	.79	.89	.84	Calm.	S. W. by W.	S. W. by W.	0.295	Genl. clear. A few clear spaces occur.
11,	29.634	29.855	29.972	33.2°	35.9°	36.9°	34.0°	183	144	133	172	.97	.66	.79	.87	W. by S.	W. by S.	Calm.	0.050	Slight rain from 2 till 8 am. Snowing 6 till 7 am. Day mostly clear.
12,	29.780	29.675	29.788	37.9°	42.0°	42.0°	32.8°	192	216	162	177	.85	.82	.85	.82	W. N. W.	Calm.	Calm.	0.390	Lightly overcast. Rain and sleet till 2 pm. S. W. by W. from 3 pm.
13,	29.662	29.735	29.737	36.2°	32.8°	32.8°	32.2°	198	186	162	177	.91	1.00	.96	.95	W. N. W.	Calm.	N.	0.390	Dense overcast. Rain and sleet till 2 pm. S. W. by W. from 3 pm.
14,	29.702	29.577	29.541	31.4°	32.3°	31.8°	32.2°	160	172	169	168	.91	.95	.95	.93	N. E. by N.	N. by E.	N. N. W.	0.100	Genl. clear. Very fine day.
15,	29.663	29.772	29.933	31.8°	32.0°	32.0°	25.3°	123	123	105	109	.69	.69	.83	.77	N. by W.	N.	N.	0.110	Clear till 4 am. Day cloudy.
16,	30.092	30.061	29.930	13.6°	18.8°	21.0°	17.8°	106	101	107	102	.75	.79	.79	.79	N.	N.	N.	0.110	Part clear. Fair till 4 & 6 am & 11 pm.
17,	29.787	29.736	29.830	17.6°	27.1°	21.0°	20.9°	107	119	102	102	.75	.79	.79	.79	Calm.	Calm.	Calm.	0.110	Clear till 9 am. Rem. of day cloudy.
18,	29.808	29.647	29.486	14.0°	30.3°	31.3°	21.7°	108	145	147	122	.93	.83	.83	.88	Calm.	S. W. by S.	S. W. by W.	0.110	Part clear. Fair till 4 & 6 am & 11 pm.
19,	29.429	29.578	29.578	33.6°	28.2°	28.2°	17.3°	173	118	118	91	.92	.92	.91	.92	N. W.	N.	N.	0.110	Partly clear. Rem. of day cloudy.
20,	29.822	29.898	30.008	14.0°	15.9°	11.2°	12.3°	107	106	107	106	.86	.86	.86	.86	N. by W.	N. N. W.	N. N. W.	0.110	Partly clear. Rem. of day cloudy.
21,	29.330	23.646	29.413	10.4°	20.2°	23.6°	19.4°	106	117	117	105	.88	.79	.90	.85	W. N. W.	W. S. W.	W. S. W.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
22,	29.180	29.193	29.356	20.8°	24.7°	18.6°	20.7°	100	106	104	104	.88	.78	.80	.81	W. S. W.	N. W.	N. W.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
23,	29.322	29.014	29.954	29.066°	17.8°	24.2°	22.7°	109	119	109	104	.88	.89	.82	.83	S. W.	S. W. by W.	S. W. by W.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
24,	29.063	29.331	29.394	20.6°	22.0°	18.5°	18.6°	109	119	109	104	.88	.89	.82	.83	W. by S.	N. W.	N. W.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
25,	29.483	29.455	29.455	15.5°	18.4°	15.5°	18.4°	107	100	107	106	.86	.86	.86	.86	W. by S.	W. by S.	W. by S.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
26,	29.725	29.711	29.711	17.2°	19.0°	17.2°	19.0°	107	100	107	106	.86	.86	.86	.86	W. by S.	W. by S.	W. by S.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
27,	30.007	29.918	29.731	12.4°	19.8°	22.6°	20.2°	121	121	121	110	.86	.81	.97	.86	W.	W.	W.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
28,	29.686	29.657	29.656	30.3°	34.0°	34.7°	34.0°	153	172	181	174	.90	.89	.91	.89	S. W. by W.	S. W.	S. W.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
29,	29.614	29.624	29.656	37.0°	38.0°	38.0°	40.1°	203	214	211	213	.92	.82	.93	.87	S. S. W.	S. S. W.	S. S. W.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
30,	29.612	29.641	29.726	43.8°	41.5°	42.3°	43.8°	218	258	252	217	.89	.91	.98	.93	S. S. W.	S. W. by S.	S. W. by S.	0.25	Genl. clear. Partly clear. Rem. of day cloudy.
31,	29.740	29.680	29.576	43.8°	43.0°	43.0°	43.4°	254	271	263	269	.99	.97	.97	.97	N. E.	Calm.	Calm.	0.070	Clear till 9 am. Rem. of day cloudy.
Mean	29.672	29.640	29.646	29.667	27.8	32.4	29.9	30.02	146	159	151	.88	.82	.88	.86	1.5	1.5	1.5	1.185	1st Jan. Dense fog & drizzling rain continuing till 6 pm.

Highest Barometer, 30.125 at 10 a.m. on 16th.
 Lowest do., 29.281 at 10 p.m. on 23d.
 Highest Temperature, 49° 3 on 26th. am.
 Lowest do., 0° 3 on 10th. at 1 p.m.
 Mean Max. Therm., 32.98—Mean Min. Therm., 23.83.
 Mean Daily Range, 9.15
 Extreme Hourly 2 pm.—Mean Temperature, 27.80
 Coldest Hour, 7 am.—Mean Temperature, 27.80
 Under the head of "Tension of Vapour," is given the elastic force of the aqueous vapour in each observation, in decimals of an inch of Mercury, or the proportion of the barometrical pressure due to its presence.
 The instruments are standard instruments. The Rain Gauge is 27 in. above the soil.—The means entered are the means by 24 hourly observations taken on Sundays are not included in any of the means.
 It is noted at 9 a.m.—The observations entered at 7 a.m., on Sundays, are actually taken at 9 a.m.—The two observations taken on Sundays are not included in any of the means.
 MAGNETIC DISTURBANCES.—Oct. 13th, 20th, to 14th, 11h. slight 28.7 of decl. Oct. 22d, 23d, to 24d, 10h. considerable, 1° 39.2 of decl. April, 23d, 16th, to 24d, 17h. a shock, 21.1 of very great, 4° 22.0. Oct. 20th, 5h, to 29th, 7h, slight 21.2. (The earlier part of the great disturbance on the 24th Oct. was not observed, as it began on the Toronto Sunday. The sky was overcast with rain during the whole continuance, but a magnificent display of aurora was visible in Europe.)
 * Snow, on the 31, 4th, and 26th, not appreciable. On the 5th, 0.1; 11th, 1.0; 14th, 5.0; 20th, 0.1; 22d, 0.1; 23d, 0.2; 24th, 0.2; 27th, 0.1. Total, 6.9.