

MONTHLY METEOROLOGICAL REGISTER AT H. M. MAGNETICAL OBSERVATORY, TORONTO, C. W.,—JANUARY, 1819.
 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.			Snow in on surf.	WEATHER.				
	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.	Mean of 24 h.	7 A.M.	3 P.M.	10 P.M.						
1,	29.988	29.734	29.886	29.851	17.5°	17.0°	11.0°	14.7	.071	.082	.043	.067	.70	.82	.62	7.3	E. N. E.	E. N. E.	N. E. by N.	3.5	Overcast all day; snowing from 4-9 p.m. Generally cty, a few light clds dispersed
2,	30.078	30.032	30.008	30.038	4.2	6.6	4.2	1.1	.029	.049	.024	.031	.73	.75	.68	.72	N. N. E.	W. by S.	W. N. W.	—	—
3,	29.854	29.753	29.666	29.768	8.6	16.2	0.7	8.5	.051	.057	.041	.053	.74	.59	.63	.75	Calm.	W. N. W.	W. N. W.	—	—
4,	29.584	29.438	29.407	29.460	10.8	22.3	22.0	18.2	.059	.099	.101	.086	.77	.81	.83	.81	Calm.	N. W.	N. W. by W.	—	—
5,	29.438	29.499	29.561	29.494	17.0	22.4	24.4	21.5	.069	.093	.110	.090	.68	.72	.82	.79	N. W. by W.	N. N. W.	N. N. W.	1.0	Overcast all day; S.W. snow fr 10 am to 6 pm. Generally clouded; clear spaces
6,	29.919	29.793	29.880	29.783	19.4	21.0	15.8	18.7	.099	.083	.077	.095	.91	.71	.82	.74	N. by W.	N. by W.	N. by W.	—	—
7,	29.700	29.680	29.640	29.657	13.0	17.8	—	—	.074	.089	.102	.108	.88	.86	.84	.83	Calm.	Calm.	Calm.	—	—
8,	29.700	29.635	29.640	29.657	20.8	26.6	21.8	—	.093	.138	.102	.108	.81	.94	.84	.83	N. E. by E.	S.	Calm.	—	—
9,	29.708	29.738	29.830	29.756	15.0	11.5	4.0	10.3	.065	.051	.062	.058	.71	.69	.90	.77	N. N. W.	N. N.	N. by E.	1.2	Overcast all day; snowing fr 9 am to 5 pm. Partly cty; remnant of day 11 cty cld
10,	29.979	30.059	30.150	30.059	3.7	2.0	2.6	1.5	.027	.040	.028	.028	.68	.78	.70	.70	N. W. by N.	N. by W.	N. by E.	—	—
11,	30.280	30.280	30.313	30.289	14.2	8.4	0.6	2.6	.016	.050	.032	.028	.69	.74	.47	.59	Calm.	Calm.	N. by W.	—	—
12,	30.240	30.054	29.908	30.007	3.4	23.8	24.2	17.1	.042	.083	.102	.079	.68	.64	.73	.73	N. N. E.	S. S. E.	Calm.	—	—
13,	29.700	29.852	29.908	29.852	33.1	36.0	35.8	31.9	.136	.175	.171	.160	.71	.83	.82	.78	S.	S. W. by S.	Calm.	—	—
14,	29.596	29.781	29.781	29.574	31.1	38.4	—	—	.184	.139	.139	.139	.77	.89	.78	.78	S. W.	W.	S. W. by S.	—	—
15,	29.566	29.503	29.585	29.440	24.0	34.0	23.8	26.8	.108	.140	.102	.118	.82	.71	.81	.79	N. E.	W.	W. S. W.	0.5	Overcast all day; faint aurora arch N 7 pm
16,	29.738	29.797	29.636	29.716	12.4	21.9	20.6	20.1	.086	.065	.081	.084	.86	.56	.71	.75	S. W. by W.	W. S. W.	W. S. W.	—	—
17,	29.625	29.638	29.956	29.641	26.4	22.0	20.4	20.4	.104	.107	.084	.098	.72	.88	.88	.78	W. by S.	N. W.	N. W.	—	—
18,	30.104	30.329	30.401	30.238	5.0	16.2	12.0	10.9	.047	.058	.053	.055	.79	.61	.66	.72	Calm.	W. N. W.	W. N. W.	—	—
19,	30.492	30.377	30.304	30.354	8.4	17.2	16.8	14.5	.055	.065	.069	.062	.76	.60	.69	.69	N. N. E.	S. W. by S.	W. N. W.	—	—
20,	29.930	29.738	29.832	29.837	14.2	29.4	28.0	23.4	.069	.116	.110	1.00	.79	.76	.71	.75	Calm.	S. W. by W.	W. by S.	—	—
21,	29.914	29.868	29.868	29.868	28.0	22.0	—	—	.122	.105	.105	.105	.78	.87	.71	.75	W. N. W.	N. N. W.	W. by S.	—	—
22,	29.999	29.845	29.767	29.870	11.0	23.5	22.0	18.6	.061	.080	.079	.079	.80	.62	.74	.74	W. N. W.	W. N. W.	W. S. W.	—	—
23,	29.803	29.758	29.717	29.762	18.4	29.1	28.6	25.1	.087	.105	.104	.099	.83	.65	.64	.74	Calm.	W. S. W.	W. S. W.	—	—
24,	29.724	29.652	29.687	29.688	30.8	32.7	32.3	31.8	.133	.159	.158	.151	.78	.86	.87	.81	W. S. W.	S. W.	W. by S.	—	—
25,	29.633	29.361	29.197	29.398	35.4	35.6	35.6	35.6	.167	.197	.187	.181	.88	.87	.90	.87	W. S. W.	E. by N.	Calm.	—	—
26,	29.074	29.550	29.493	29.493	38.0	26.4	21.4	28.9	.193	.109	.087	.132	.85	.75	.87	.74	W. by S.	N. W.	N. W.	2.5†	Densely cty all day; moderate r. in day
27,	30.015	30.066	30.061	30.042	19.3	24.2	24.0	22.5	.088	.084	.085	.086	.81	.64	.64	.70	Calm.	N. W.	Calm.	—	—
28,	29.952	29.770	29.475	29.485	30.0	35.6	32.3	32.6	.113	.139	.131	.158	.75	.84	.82	.85	S. by E.	S. E. by S.	Calm.	—	—
29,	29.851	29.884	30.012	29.859	22.8	13.8	9.0	15.3	.102	.054	.039	.070	.84	.64	.57	.74	Calm.	Calm.	N. by W.	0.2	Clouded, slight snow pm
30,	29.725	29.884	30.012	29.859	22.8	13.8	9.0	15.3	.102	.054	.039	.070	.84	.64	.57	.74	Calm.	Calm.	N. by W.	0.3	Dry cty, s 6-7 am, sit p m fr 6-10 pm
31,	30.185	30.126	29.872	30.050	0.0	12.4	17.6	10.0	.034	.053	.070	.055	.72	.66	.69	.72	N. N.	N. N. W.	N. E. by N.	—	—
Mean	29.833	29.786	29.810	29.803	15.7	21.9	18.0	18.49	.083	.095	0.086	0.089	.77	.73	.74	.75	5.33 miles	8.50 miles	5.89 miles	9.2	

Highest Barometer, 30.503 on 19th, at 9 a.m.
 Lowest " " 29.012 on 26th, at 6 a.m.
 Highest Temperature, 39.2 on 24th, at 6 a.m.
 Lowest " " 14.2 on 29th, at 6 a.m.
 Mean Max. Therm., 21.65—Mean Min. Therm., 13.08.
 Mean Daily Range, 11.3—4.5
 Extreme Daily Range, 31.2—2.6 from 9 am to 9 pm, on 15th
 Highest Barometer observed at Toronto since 1850, 19th Jan, 30.608. Corrected to 32°.

Proportion of Wind from each Quarter—
 From N. 2999.9 miles.
 W. 2607.9 " "
 S. 1067.6 " "
 E. 581.9 " "

Temperature for January.
 Year. Range. No. Days. Rain. Wind. Snow.
 1810. 17.6 48.7 4 1.365 178 134 11 0.0
 1811. 17.6 48.7 4 1.365 178 134 11 0.0
 1812. 27.8 49.2 0 2.170 216 96 14 0.0
 1813. 23.76 45.4 1 4.236 430 201 6.69 12 14.2
 1814. 26.68 45.3 2 3.005 409 157 0.79 11 14.2
 1815. 26.68 44.0 0.2 4.59 469 152 0.72 9 22.7
 1816. 25.16 45.9 1.3 4.59 469 152 0.72 9 22.7
 1817. 26.87 42.9 2.9 4.58 469 152 0.72 9 22.7
 1818. 27.41 42.9 11.4 4.58 469 152 0.72 9 22.7
 1819. 27.41 42.9 11.4 4.58 469 152 0.72 9 22.7

Rain in inches on surface.—On 14th, 0.235; 12th, not applicable; 12th, 0.890; 30th, 0.120.
 The several daily means were derived from two eight hourly series, viz: 6 am, 2 and 10 pm, and 7 am, 3 and 11 pm.
 Magnetic Disturbances in January.—None.