

MONTHLY METEOROLOGICAL REGISTER AT H.M. MAGNETICAL OBSERVATORY, TORONTO, C. W.—JAN., 1877.
Latitude 43°. 39' N. Longitude 79°. 21' W. Elevation above Lake Ontario, 108 Feet.

DAY.	Barometer at Temp. of 32°.			Temperature of the Air.			Tension of Vapour.			Humidity of the Air.			Wind.			Rain in. on surf.	WEATHER.	
	7 A.M.	3 P.M.	10 P.M.	Mean.	7 A.M.	3 P.M.	10 P.M.	Mean.	7 A.M.	3 P.M.	10 P.M.	Mean.	7 A.M.	3 P.M.	10 P.M.			
1.	29.468	29.457	29.447	29.466	45.6°	55.6°	53.9°	53.9	53.9	39.1	35.1	36.1	93	90	85	0.160	Clearing ocean during day. Thin 2 am	
2.	29.620	29.672	29.672	29.638	52.6	59.6	52.0	53.9	53.9	32.5	39.4	3.10	33.8	83	80	89	0.520	Generally cloudy. Thin 2 am
3.	29.621	29.469	29.367	29.451	55.6	59.1	52.0	55.5	55.5	38.3	39.8	3.17	3.75	80	81	91	—	Clear. Commenced p.m. at 9h 30m pm
4.	29.354	29.473	29.620	29.514	55.6	57.8	50.8	50.8	50.8	38.1	37.5	2.16	2.66	88	59	71	0.140	Slight rain 2 & 3 am. Clear am. Mild or pm
5.	29.686	29.685	29.746	29.720	44.4	61.7	48.1	52.5	52.5	21.6	38.9	2.61	2.73	75	71	79	—	Generally clear. Heavy.
6.	29.812	29.746	—	—	59.2	61.3	55.0	59.5	59.5	37.8	39.0	—	—	77	66	—	—	Clear and unclouded. Very fine
7.	29.802	29.741	29.672	29.721	54.5	70.0	55.0	59.5	59.5	32.1	41.1	3.19	3.30	77	58	75	—	Uncloud till 3 pm. Overcast from 4 pm
8.	29.698	29.643	29.593	29.613	55.2	61.8	57.4	56.8	56.8	31.5	41.0	3.73	3.89	74	76	81	—	Densely overcast all day. Sit in from 6 pm
9.	29.501	29.371	29.385	29.405	58.1	73.8	65.0	66.5	66.5	44.1	62.5	5.19	5.81	91	77	87	0.020	Showers with thunder & ping am & pm
10.	29.318	29.231	29.166	29.211	63.4	64.4	59.0	61.4	60.3	50.3	65.2	4.63	4.97	88	94	91	0.110	Clear all day. Ping from 3 am till 4 pm
11.	29.133	29.149	29.297	29.232	61.0	59.1	50.3	56.1	56.1	47.4	45.3	2.83	3.73	90	92	79	0.050	Very cloudy. Ocean heavy showers pm
12.	29.467	29.413	29.386	29.326	52.4	55.4	51.8	58.0	58.0	38.1	39.5	3.40	3.60	72	61	81	0.210	Mostly clear. Aurora light 10 & 11 pm
13.	29.232	29.167	—	—	51.7	55.0	41.8	45.7	45.7	36.6	39.5	—	—	90	93	—	0.076	Slight rain am. Thin, Ping, & rain pm
14.	29.020	29.251	29.355	29.246	51.6	48.2	41.8	45.7	45.7	36.6	39.5	—	—	88	69	65	0.140	Densely overcast. Constant s'f rain till 1 pm
15.	29.373	29.480	29.531	29.514	40.7	57.6	47.2	48.3	48.3	19.2	20.2	2.43	2.43	77	65	76	0.115	Mostly cloudy. Slight rain 8 & 9 am
16.	29.658	29.711	29.783	29.733	48.8	56.0	45.4	50.3	50.3	22.7	27.3	2.28	2.28	66	63	87	—	Mostly light passing clouds
17.	29.872	29.850	29.869	29.842	52.6	61.6	47.3	51.9	51.9	36.9	37.7	2.65	3.07	69	64	82	—	Clear & uncloud. Very fine day
18.	29.788	29.604	29.487	29.586	53.0	63.9	57.8	59.3	59.3	32.9	36.5	4.38	3.85	70	64	82	—	Uncloud till 9 am. Showers from 1 pm
19.	29.433	29.431	29.512	29.455	55.8	61.2	51.2	57.3	57.3	40.7	43.5	3.11	4.10	89	88	92	—	Uncloud till 9 am. Showers from 1 pm
20.	29.517	29.521	—	—	60.2	58.1	50.1	59.1	59.1	45.8	44.1	—	—	81	85	87	—	Uncloud till 9 am. Showers from 1 pm
21.	29.545	29.532	29.556	29.536	59.2	62.7	56.0	59.1	59.1	39.6	47.3	4.05	4.15	81	85	87	—	Uncloud till 9 am. Showers from 1 pm
22.	29.618	29.635	29.667	29.657	51.4	62.6	56.1	58.6	58.6	38.5	46.8	3.89	4.16	83	84	87	—	Uncloud till 9 am. Showers from 1 pm
23.	29.757	29.730	29.765	29.761	61.4	71.1	58.0	62.1	62.1	41.9	52.2	4.26	4.44	78	71	91	—	Uncloud till 9 am. Showers from 1 pm
24.	29.862	29.804	29.753	29.794	63.8	73.4	63.2	64.5	64.5	45.9	55.1	3.64	4.19	80	69	81	—	Uncloud till 9 am. Showers from 1 pm
25.	29.771	29.680	29.699	29.692	65.0	75.0	60.4	65.3	65.3	47.1	52.3	3.99	4.56	78	62	78	—	Uncloud till 9 am. Showers from 1 pm
26.	29.701	29.638	29.643	29.643	67.9	76.2	65.6	69.9	69.9	50.3	63.3	5.19	5.51	76	72	89	—	Uncloud till 9 am. Showers from 1 pm
27.	29.613	29.587	29.574	29.593	62.4	74.9	61.1	65.5	65.5	48.2	54.0	3.11	3.67	76	40	53	—	Uncloud till 9 am. Showers from 1 pm
28.	29.636	29.585	29.574	29.593	60.5	67.8	60.0	63.1	63.1	45.8	49.1	3.22	3.61	69	74	63	—	Uncloud till 9 am. Showers from 1 pm
29.	29.596	29.564	29.593	29.586	60.5	67.8	60.0	63.1	63.1	45.8	49.1	3.22	3.61	69	74	63	—	Uncloud till 9 am. Showers from 1 pm
30.	29.673	29.652	29.666	29.674	62.7	70.6	56.2	62.4	62.4	38.3	48.3	3.10	3.91	68	67	70	—	Uncloud till 9 am. Showers from 1 pm
Mean	29.5785	29.5586	29.5667	29.5620	55.4	64.4	51.6	58.14	58.14	36.6	42.9	3.17	3.76	80	72	81	2.625	Yellow matter fell with the rain on 2.625 19th, 21st, & 22d.

Under the head of "Tension of Vapour," is given the elastic force of the A. vapours in the Atmosphere at each Observation, in decimals of an inch of Mercury, or the proportion being represented by 1.00.
Under the head of "Humidity of the Air," is given the proportion the Vapours Vapour bears to the quantity the air is capable of sustaining at the existing temperature, in decimals of 1.00.
The Instruments are Standard Instruments. The Rain Gauge is 2 1/2 ft. above the soil. — The Means entered are the Means by 24 hourly Observations, from 6 a.m. to 6 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.

Temperature for June.
Month. Mean. Max. Min. Range. No. Days. Rain. Inches. Winds. Calm. Mean force.

June	60.2	80.7	36.7	44.0	11	1.860	191	118	0.36
July	66.4	86.1	42.5	43.6	12	5.765	196	116	0.31
Aug.	68.4	86.3	42.5	43.8	12	4.693	224	180	0.27
Sept.	69.4	84.3	42.2	42.1	9	3.633	257	213	0.19
Oct.	61.3	81.3	36.6	44.7	11	3.715	328	272	0.27
Nov.	63.3	81.2	39.1	42.1	10	1.929	279	215	0.32
Dec.	63.4	81.2	36.0	45.2	14	2.625	342	282	0.30