

MONTHLY METEOROLOGICAL REGISTER AT H. M. MAGNETICAL OBSERVATORY, TORONTO, CANADA
 Latitude 43° 39' 4. N. Longitude 79° 21' 5. 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 inch on surf.	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,	29.682	29.670	29.709	67.4°	77.4°	66.0°	68.32	442.512	.403	.451	.68	.56	.65	N. by W.	S.	Calm.	—	Mostly clear. A few detached clouds.
2,	29.785	29.748	29.784	73.8	78.4	63.2	70.57	546.512	.429	.510	.67	.54	.76	N. by N.	S. E.	Calm.	—	Unclear. Hazy. Fine.
3,	29.803	29.739	29.784	66.0	81.8	63.2	75.71	526.752	.439	.510	.88	.52	.76	N. E. by N.	S. S. W.	Calm.	—	Mostly clear. A few detached clouds.
4,	29.783	29.628	29.629	70.8	85.0	72.8	75.71	526.752	.659	.649	.72	.61	.84	S. S. W.	S. S. W.	Calm.	—	Unclear. but hazy all day.
5,	29.646	29.547	29.586	74.0	86.2	80.4	78.67	647.751	.642	.660	.80	.61	.64	Calm.	S. S. W.	Calm.	—	Hazy, and occasionally dry. Air close.
6,	29.657	29.667	29.723	68.4	86.2	81.8	73.36	497.626	.447	.531	.74	.60	.75	Calm.	S. by W.	Calm.	—	Mostly clear. Light clouds passing.
7,	29.793	29.750	29.736	68.4	81.4	66.6	73.10	504.631	.511	.573	.72	.60	.85	Calm.	S. W.	Calm.	—	Overcast. Light clouds and haze all day. Raining fr. 9 to 11 am. Thunder, lightning & rain from 6 pm to midnight.
8,	29.683	29.616	29.585	68.4	74.0	68.2	68.97	527.620	.635	.594	.87	.91	.95	Calm.	E. by S.	E.	—	Densely overcast. Slight rain am.
9,	29.539	29.503	—	71.6	71.0	68.2	65.4	673	.336	.441	.87	.58	.62	N. by W.	N. W.	N. W.	0.055	Mostly cloudy. Clear intervals.
10,	29.533	29.506	29.588	67.7	78.6	62.2	67.56	572.550	.456	.442	.60	.63	.92	Calm.	S. E.	Calm.	—	Mostly clear. A few detached clouds pm.
11,	29.714	29.664	29.609	61.2	73.7	59.4	64.27	316.506	.526	.572	.90	.60	.72	Calm.	S. by W.	Calm.	—	A few p.m. clouds. Aur. fr. 10 & 11 pm.
12,	29.619	29.503	29.481	72.0	81.4	70.8	72.67	505.622	.536	.572	.60	.60	.72	S. W.	S. by E.	Calm.	—	Th, lightning & rain pm. Gen. cloudy.
13,	29.503	29.477	29.505	72.0	77.0	69.8	73.45	662.697	.481	.595	.87	.77	.69	S. W.	S. by E.	Calm.	—	Th, lightning & rain pm. Gen. cloudy.
14,	29.534	29.486	29.479	66.8	78.3	64.0	69.99	476.606	.486	.530	.74	.64	.84	Calm.	S. S.	Calm.	—	Cloud, Aur. fr. 10 to 3 am, & 9 pm to midnight.
15,	29.464	29.367	29.339	66.8	82.6	72.0	72.08	529.632	.658	.591	.83	.58	.86	Calm.	S.	S. E.	0.300	Thunder, lightning & rain most of day.
16,	29.335	29.238	—	68.3	67.2	—	63.3	618	.373	.405	.94	.94	—	S. W.	Calm.	Calm.	—	Thunder, lightning & rain most of day.
17,	29.419	29.486	29.583	64.2	72.8	59.4	63.67	498.402	.380	.405	.85	.52	.74	N. by W.	N. by W.	N. N. W.	0.250	Thunder, lightning & rain most of day.
18,	29.743	29.757	29.777	62.0	65.6	53.5	67.44	305.436	.373	.368	.76	.71	.87	Calm.	S. E. by S.	Calm.	—	Mostly clear. Occas. passing clouds.
19,	29.811	29.763	29.715	62.0	65.6	61.8	63.62	398.452	.494	.448	.74	.67	.92	E. S. E.	E.	Calm.	0.250	Overcast all day.
20,	29.634	29.583	29.603	62.3	68.0	62.6	63.82	522.558	.536	.544	.96	.84	.96	Calm.	Calm.	Calm.	0.140	Den. cloud. Ring fr. 8 am to 11 1/2 am
21,	29.576	29.595	29.565	62.9	68.0	62.9	68.04	538.645	.585	.585	.86	.79	.92	Calm.	Calm.	Calm.	—	Den. cloud. Misty am. A little fr. 7 pm
22,	29.570	29.521	29.511	65.4	71.7	62.9	65.37	532.619	.522	.515	.87	.82	.94	Calm.	S. E. by S.	Calm.	—	Densely cloud. Very slight rain 9 am.
23,	29.543	29.555	—	71.7	77.7	—	62.1	392	.372	.388	.69	.42	.91	Calm.	N.	Calm.	—	Mostly clear. Passing clouds.
24,	29.800	29.799	29.785	60.6	69.5	54.5	60.79	492.458	.372	.388	.87	.65	.89	Calm.	S. E. by E.	Calm.	—	Clear. Fine. Aur. high 9 pm to midnight
25,	29.787	29.745	29.787	61.6	73.7	63.8	65.72	430.552	.518	.503	.81	.68	.90	N. N. E.	E. S. E.	E. N. E.	—	Mostly clear. Fine. Aur. fr. 9 to 11 pm.
26,	29.723	29.740	29.685	65.4	74.2	61.3	66.25	462.447	.488	.488	.83	.56	.84	Calm.	E. S. E.	N. E.	—	Clear to 8 am. Rem. part, cloudy.
27,	29.727	29.731	29.746	65.8	74.2	65.4	68.16	538.693	.565	.542	.89	.73	.80	Calm.	E. S. E.	Calm.	0.090	Part. cloudy. Hail round sun at noon.
28,	29.776	29.713	29.697	64.8	76.0	65.4	68.16	538.693	.565	.542	.89	.73	.80	Calm.	E. S. E.	Calm.	—	Thunder, light, & rain am. Aur. fr. 10 to 11 pm
29,	29.695	29.662	29.606	66.2	67.0	62.7	67.32	582.582	.534	.589	.93	.91	.96	Calm.	N. W.	Calm.	0.090	Thunder, light, & rain am. Aur. fr. 10 to 11 pm
30,	29.619	29.582	—	71.5	78.6	—	60.2	682	.602	.627	.89	.80	.85	N. by W.	S. S. W.	Calm.	0.160	Thunder, light, & rain am. Aur. fr. 10 to 11 pm
31,	29.641	29.577	29.586	66.8	81.4	69.6	71.87	570.676	.593	.627	.89	.80	.85	S. W.	S. S. W.	Calm.	—	Thunder, light, & rain am. Aur. fr. 10 to 11 pm
Mean	29.6641	29.6339	29.6382	65.51	75.93	64.93	68.41	503.582	.502	.528	.81	.67	.84	—	—	—	1.770	Thunder, light, & rain am. Aur. fr. 10 to 11 pm

Barometer at Temp. of 32°
 Highest, 29.811 at 10 a.m. on 24th.
 Lowest, 29.335 on 16th, p.m.
 Range 36.9

Temperature of the Air.
 Highest, 86.2 on 6th, p.m.
 Lowest, 49.5 on 18th, a.m.
 Range 36.9

Tension of Vapour.
 Highest, 60.79 on 23rd, p.m.
 Lowest, 31.6 on 17th, p.m.
 Range 29.19

Humidity of the Air.
 Highest, 96 on 29th, p.m.
 Lowest, 52 on 17th, p.m.
 Range 44

Wind.
 Highest force, 5.73 on 7th, p.m.
 Lowest force, 0.17 on 1st, a.m.
 Direction, N.W. 63°
 Direction, S.W. 109°
 Direction, N.E. 104°
 Direction, N.W. 94°
 Direction, S.W. 94°
 Direction, N.E. 94°
 Direction, S.W. 94°
 Direction, N.W. 94°
 Direction, S.W. 94°

Proportion of Wind from each Quarter.
 N.W. 63°
 S.W. 109°
 N.E. 104°
 N.W. 94°
 S.W. 94°
 N.E. 94°
 S.W. 94°

Mean force, 0.17 lbs; Max. force, 2.6 lbs.
 on 1st August, at 0h 30m pm.

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 an inch of Mercury, the quantity of the vapour which the air is capable of sustaining at the existing temperature, saturation being represented by 1.00.

Under the head of Humidity of the Air, is given the proportion the aqueous vapour bears to the saturated air, in decimals of an inch of Mercury, or the proportion of an inch of Mercury, the quantity of the vapour which the air is capable of sustaining at the existing temperature, saturation being represented by 1.00.

The Instruments used are Standard Instruments. The Rain Gauge is 27 feet above the soil. The Means entered are the Means by 24 hourly Observations, from 6 a.m. to 6 p.m.

The Observations entered in the column for 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.