

(For the Brit. Amer. Journ. of Med. and Phys. Science.)  
**MONTHLY METEOROLOGICAL REGISTER AT H.M. MAGNETICAL OBSERVATORY, TORONTO, C. W.—August, 1847.**  
*Latitude 43° 39' 4. N. Longitude 79° 21' 5. W. Elevation above Lake Ontario, 108 Feet.*

DAY.	Barometer at Temp. of 32°.		Mean of 24 h.		Temperature of the Air.		Tension of Vapour.		Humidity of the Air.		Wind.		Rain in in on surf.	WEATHER.	
	7 A.M.	3 P.M.	7 A.M.	3 P.M.	7 A.M.	3 P.M.	7 A.M.	3 P.M.	7 A.M.	3 P.M.	7 A.M.	3 P.M.			10 P.M.
1,	29.630	29.628	29.760	29.753	64.1°	69.6°	—	—	—	—	—	—	—	0.025	Generally overcast.
2,	29.740	29.731	29.726	29.726	58.8	72.2	60.0°	62.5	465	457	80	65	78	—	—
3,	29.801	29.757	29.726	29.752	61.6	71.8	54.7	62.9	423	431	87	64	74	—	—
4,	29.715	29.625	29.553	29.603	65.3	75.6	58.2	65.9	418	431	78	56	88	—	—
5,	29.484	29.368	29.311	29.363	65.1	74.2	63.8	67.0	459	486	75	63	86	—	—
6,	29.302	29.315	29.398	29.362	65.4	76.4	66.7	68.6	444	444	76	59	77	—	—
7,	29.523	29.594	29.569	29.594	69.6	71.0	62.0	65.3	474	601	77	68	80	—	—
8,	29.674	29.654	—	—	60.6	62.4	—	—	377	482	89	93	81	—	—
9,	29.796	29.783	—	—	63.2	74.3	—	—	465	510	89	93	89	—	—
10,	29.816	29.761	—	—	66.0	75.7	67.6	69.9	591	659	93	76	93	—	—
11,	29.751	29.739	—	—	66.8	74.8	66.5	68.0	615	572	92	77	92	—	—
12,	29.780	29.741	—	—	69.5	74.0	67.0	70.2	572	619	90	76	87	—	—
13,	29.724	29.624	—	—	68.8	78.4	67.2	71.0	572	619	91	81	91	—	—
14,	29.583	29.560	—	—	75.5	81.0	—	—	647	769	84	72	88	—	—
15,	29.632	29.567	—	—	72.3	82.0	66.8	72.8	710	748	90	65	91	—	—
16,	29.579	29.572	—	—	70.9	81.0	62.3	66.3	662	691	84	65	82	—	—
17,	29.454	29.344	—	—	67.4	71.0	61.2	66.5	457	481	83	52	83	—	—
18,	29.445	29.459	—	—	57.0	67.4	51.2	56.5	397	346	87	52	75	—	—
19,	29.560	29.517	—	—	49.8	66.0	55.3	57.4	281	294	81	47	71	—	—
20,	29.529	29.439	—	—	58.8	72.6	56.8	60.6	383	339	86	43	86	—	—
21,	29.559	29.549	—	—	56.9	73.2	57.2	61.7	310	341	88	43	75	—	—
22,	29.632	29.629	—	—	67.0	72.4	—	—	372	326	87	42	83	—	—
23,	29.795	29.773	—	—	58.7	68.0	53.8	59.2	372	505	77	76	93	—	—
24,	29.872	29.878	—	—	57.0	70.1	54.7	61.1	382	411	84	57	83	—	—
25,	29.929	29.891	—	—	56.8	70.8	56.6	61.6	363	424	80	59	86	—	—
26,	29.747	29.593	—	—	58.0	74.4	66.2	65.9	407	389	86	74	76	—	—
27,	29.591	29.620	—	—	63.6	63.6	54.2	57.8	386	421	90	73	91	—	—
28,	29.666	29.618	—	—	53.6	67.8	56.1	60.6	346	396	86	60	80	—	—
29,	29.721	29.671	—	—	65.4	68.0	—	—	429	464	71	70	80	—	—
30,	29.674	29.583	—	—	70.4	62.4	59.1	62.5	433	501	90	70	88	—	—
31,	29.789	29.765	—	—	53.7	62.4	48.2	54.1	364	367	88	67	88	—	—
Mean	29.662	29.621	29.632	29.656	61.18	71.73	60.04	63.93	458	511	85	67	85	—	—

**Barometer at Temp. of 32°.**  
**Temperature of the Air.**  
**Tension of Vapour.**  
**Humidity of the Air.**  
**Wind.**  
**Rain in in on surf.**  
**WEATHER.**

**Range 0.630**  
**Range 38.0**  
**Proportion of Wind from each Quarter—**  
**Maximum force of the Wind on 20th, at 3**  
**Mean force of the Wind, 0.18 lbs.**

**Year.**  
**Temperature for August.**  
**Mean.**  
**Max.**  
**Min.**  
**Range.**  
**No. Days.**  
**Winds.**  
**Calms.**  
**Mean force.**

Under the head of Tension of Vapour, is given the elastic force of the Aqueous Vapour in the Atmosphere at each Observation, in decimals of an inch of Mercury, or the proportion of the Barometric pressure due to its presence.  
 Under the head of Humidity of the Air, is given the proportion the Aqueous Vapour bears to the quantity of the air it is capable of sustaining at the existing temperature, saturation being represented by 100.  
 The Instruments are Standard Instruments. The Rain Gauge is 2 1/2 feet above the soil.—The Means entered are the Means by 24 hourly Observations, from 9 a.m., to 9 a.m.  
 The Quantity of Rain received for the last 24 hours, 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.