

MONTHLY METEOROLOGICAL REGISTER AT H.M. MAGNETICAL OBSERVATORY, TORONTO, C. W.,—JANUARY, 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.			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.			Mean of 24 h.	7 A.M.	3 P.M.	10 P.M.
1.	29.868	29.185	29.368	29.397	46.6°	48.2°	35.4°	41.3°	305.5	316	160	242	97	95	78	91	S.E. by E.	S.S.W.	N.N.W.	•	Densely overcast. Slight rain till 6 p.m. A few light efts dispersed. Gen. clear. Clear till 10 am. Ken. overcast.
2.	29.640	29.607	29.573	29.630	31.3	35.4	36.6	35.9	154	157	—	—	89	76	74	78	S.W.	S.W. by S.	S.W. by W.	•	Clear till 10 am. Ken. overcast.
3.	29.720	29.956	29.981	29.898	32.1	35.3	18.6	23.7	162	178	160	165	90	79	85	85	S.W.	S.S.W.	N. by W.	3.0	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
4.	29.737	29.956	29.981	29.898	32.1	35.3	18.6	23.7	162	178	160	165	90	79	85	85	S.W.	S.S.W.	N. by W.	3.0	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
5.	29.685	29.932	29.471	29.398	25.2	36.2	20.0	24.7	127	176	093	118	98	83	82	83	S.W.	N. by W.	W.S.W.	4.0	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
6.	29.712	29.685	29.650	29.659	11.4	14.2	12.3	12.1	087	076	070	073	86	86	91	90	NW by N.	Calm.	Calm.	0.2	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
7.	29.653	29.594	29.550	29.559	14.0	19.8	25.3	21.6	087	099	130	112	89	89	93	92	S. by W.	N.E.	N.W.	0.2	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
8.	29.333	29.354	29.298	29.478	30.6	32.0	25.2	20.6	155	141	111	115	93	78	79	90	S. by W.	N.W.	N. by W.	0.5	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
9.	29.421	29.584	30.144	30.105	11.0	1.0	6.8	4.5	079	060	027	036	86	87	75	89	N.W.	N. by W.	N.W. 3.0	0.5	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
10.	30.003	30.155	30.144	30.144	11.0	1.0	6.8	4.5	079	060	027	036	86	87	75	89	N.W.	N. by W.	N.W. 3.0	0.5	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
11.	29.940	29.635	29.794	29.801	9.8	22.4	21.4	18.9	063	109	106	094	86	87	83	86	S.W.	S.W. by W.	S.W.	0.1	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
12.	29.958	29.980	29.942	29.942	8.7	26.6	27.6	23.7	066	121	126	113	94	81	82	85	S.W.	S.W.	S.W.	0.1	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
13.	29.804	29.739	29.744	29.758	33.0	36.5	36.0	35.6	151	158	194	181	80	81	92	87	S.E. by S.	S.S.E.	S.E.	0.1	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
14.	29.754	29.702	29.675	29.683	36.1	37.6	39.4	38.0	200	218	233	220	95	96	97	96	Calm.	N.E.	Calm.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
15.	29.360	29.442	29.764	29.539	39.0	47.0	38.7	38.0	158	177	168	207	97	98	88	89	Calm.	Calm.	Calm.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
16.	29.986	29.897	29.775	29.805	30.1	32.5	26.2	26.1	122	132	112	111	94	96	96	96	N.W.	S.E. by E.	S.W.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
17.	29.815	29.960	29.987	29.985	30.7	26.2	15.0	17.0	126	068	075	076	78	64	78	77	N.W.	N.W. 2.0	NW 3.0	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
18.	29.587	29.987	30.148	29.995	25.6	20.6	15.0	17.0	126	068	075	076	78	64	78	77	N.W.	N.W. 2.0	NW 3.0	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
19.	30.267	30.161	29.952	30.073	5.7	21.2	25.0	19.9	105	091	113	093	80	78	82	82	Calm.	N.S.E.	S. by E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
20.	29.811	29.705	29.687	29.665	29.7	21.2	25.0	19.9	105	091	113	093	80	78	82	82	Calm.	N.S.E.	S. by E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
21.	29.392	29.479	29.724	29.579	37.3	37.5	23.5	30.7	168	126	094	085	76	56	72	68	S.W. 1.5	NW 3.0	NW 1.5	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
22.	29.796	29.595	29.691	29.590	15.6	29.2	22.4	23.1	079	118	111	105	95	73	89	82	N.E. by E.	S.E.	N.E. by E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
23.	29.999	30.015	30.015	30.015	17.2	21.8	26.0	27.1	107	141	134	131	93	78	94	87	N.E.	Calm.	Calm.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
24.	30.071	30.012	29.964	30.002	20.6	32.0	32.0	27.1	107	141	134	131	93	78	94	87	N.E.	Calm.	Calm.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
25.	29.919	29.889	29.860	29.864	27.6	35.4	35.4	32.4	141	189	193	177	93	79	91	91	N.W.	E.N.E.	E.N.E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
26.	29.682	29.524	29.383	29.470	37.0	39.0	37.4	37.8	202	228	219	217	93	96	99	96	E. by N.	E.N.E.	E.N.E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
27.	29.362	29.491	29.921	29.385	36.7	39.6	31.6	36.6	208	232	187	201	96	97	91	93	Calm.	S.W. by S.	S.W. by S.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
28.	29.271	29.080	29.091	29.160	31.1	34.4	30.1	30.7	134	156	120	142	91	68	78	72	S.W.	S.W.	W.S.W.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
29.	29.390	29.640	29.790	29.584	29.0	31.8	28.8	30.4	145	122	129	140	91	68	80	82	N.W.	N.W.	N.W.	0.2	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
30.	29.774	29.652	29.330	29.247	33.2	38.5	26.0	31.6	121	156	—	147	83	89	86	80	Calm.	E. by N.	E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
31.	29.330	29.133	29.298	29.247	33.2	38.5	26.0	31.6	121	156	—	147	83	89	86	80	Calm.	E. by N.	E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.
Mean	29.681	29.630	29.665	29.657	25.69	31.35	26.50	27.41	139	152	132	139	90	81	85	85	E.N.E.	E.	E.	•	Gen. clear. Light clouds dispersed. Gen. clear till 10 am. till 10 am. till 10 am. till 10 am. till 10 am.

**Under the head of 'Position of Vapour,'** the elastic force of the various Vapour in the Atmosphere at each Observation, in terms 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 various Vapour bears to the quantity the air is capable of sustaining at the existing temperature, saturation being represented by 100.

**The total mass of the Air,** is given the proportion the various Vapour bears to the quantity the air is capable of sustaining at the existing temperature, saturation being represented by 100.

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**Under the head of 'Direction of Wind,'** the direction of the wind is given in terms of the compass, the force in terms of the velocity in miles per hour, or the proportion of the Barometric pressure due to its presence.

**Under the head of 'Force of Wind from each Quarter,'** the force of the wind is given in terms of the velocity in miles per hour, or the proportion of the Barometric pressure due to its presence.

**Under the head of 'Rain,'** the amount of rain is given in terms of the quantity of rain received for the last 24 hours.

**Under the head of 'Snow in on surf,'** the amount of snow is given in terms of the quantity of snow on the surface.

**Under the head of 'Weather,'** the general character of the weather is given in terms of the prevailing wind and the state of the sky.

**Under the head of 'Mean Temp. of this day,'** the mean temperature of the day is given in terms of the average of the observations.

**Under the head of 'Mean Temp. of this day 1846,'** the mean temperature of the day for the year 1846 is given in terms of the average of the observations.

**Under the head of 'Rain,'** the amount of rain is given in terms of the quantity of rain received for the last 24 hours.

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