

MONTHLY METEOROLOGICAL REGISTER AT H.M. MAGNETICAL OBSERVATORY, TORONTO, C. W.—FEBRUARY, 1847.  
 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.				Snow 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.	Mean.	7 A.M.	3 P.M.	10 P.M.	Mean.			7 A.M.
1,	29.406	29.539	29.642	29.535	24.0°	32.7°	30.7°	29.7	1.22	1.61	1.48	1.49	.43	.87	.86	.90	Calm.	S. by W.	Calm.	not ap	Densely overcast all day.		
2,	29.521	29.435	29.369	29.398	28.6	41.1	38.2	37.6	1.49	1.88	1.99	1.86	.95	.73	.87	.83	Calm.	E. S. E.	Calm.	not ap	Part. cl'd. Com. ring slightly at 10 pm		
3,	29.577	29.721	28.970	28.950	38.0	32.2	16.4	25.7	.921	.050	.080	.136	.97	.88	.83	.87	Calm.	N.W. S. 0	Calm.	not ap	Light const. to 2 pm. Snowing fr 2 to 8 pm		
4,	29.362	29.511	29.721	29.613	10.8	23.3	15.2	15.6	.660	.079	.073	.070	.79	.62	.80	.75	NW by W*	N.W. 2.5.	N.W.	not ap	Spr snow to 4 am. Clouded to 9 am. Cir from 10 am		
5,	29.749	29.705	29.688	29.710	7.8	20.9	18.9	16.1	.066	.094	.078	.079	.98	.81	.72	.82	Calm.	N. by W.	Calm.	not ap	Clear to 2 pm. Part. clouded from 9 pm		
6,	29.762	29.729	29.709	29.608	11.0	27.8	20.0	21.8	.069	.097	.089	.097	.91	.63	.80	.79	Calm.	N. by W.	Calm.	not ap	Clear and uncl'd all day. Very fine day		
7,	29.402	29.141	—	—	—	—	—	—	—	—	—	—	.88	.94	—	—	E. S. E.	N. by W.	Calm.	not ap	Densly overcast all day. Very fine day		
8,	29.273	29.175	—	—	—	—	—	—	—	—	—	—	.88	.71	.91	—	S. W.	E. by S.	Calm.	not ap	Gen. overcast. Snowing sp'ly fr 4 to 8 pm		
9,	29.223	29.364	—	—	—	—	—	—	—	—	—	—	.83	.70	.82	—	S. W.	S. W.	Calm.	not ap	Dens. overcast. Com. snow. In 30m pm		
10,	29.465	29.514	29.613	29.552	26.6	32.9	19.4	24.3	1.32	1.66	.097	1.21	.90	.89	.89	.89	Calm.	S. W.	Calm.	not ap	Lightly overcast. Detach. clouds. Mild		
11,	29.637	29.637	29.575	29.575	16.0	20.8	16.5	17.3	.084	.088	.086	.087	.90	.76	.89	.88	Calm.	W. by S.	Calm.	not ap	Gen. cl'd. Particles of snow occas.		
12,	29.471	29.591	29.740	29.883	13.8	23.4	14.8	17.2	.082	.099	.074	.082	.94	.76	.83	.82	Calm.	N. by W.	Calm.	not ap	Densly overcast all day. Very dull.		
13,	29.738	29.595	29.632	29.599	14.6	25.2	22.3	23.7	.077	.095	.092	1.06	.86	.69	.75	.80	Calm.	W by S.	Calm.	not ap	Snowing to 3 am. Gen. clouded.		
14,	29.658	29.547	—	—	—	—	—	—	—	—	—	—	.84	.86	—	—	W. S. W.	SW by W	Calm.	not ap	Overcast. Light clouds and haze.		
15,	29.563	29.874	29.986	29.861	28.6	22.2	17.3	21.4	1.35	.079	.068	.089	.85	.65	.68	—	N. by W.	N.	Calm.	not ap	Spr to 3 am. Cir'd to 2 pm. Remainder		
16,	29.903	29.570	29.482	29.629	10.8	32.0	19.4	18.5	.075	1.23	1.01	.099	1.00	.93	.92	.93	N. E.	ENE, 2.0.	N. N. W.	not ap	partly cloudy.		
17,	29.694	29.756	29.847	29.802	20.1	33.0	27.4	28.3	1.04	1.39	.090	1.10	.93	.87	.82	.83	N. N. W.	N. by W.	Calm.	not ap	Cir'd all day. Snowing 9 am to 1 pm. Hail		
18,	29.893	29.820	29.774	29.817	21.4	33.0	27.4	28.7	.095	1.65	1.29	1.35	.77	.88	.85	.84	Calm.	S. E. by S.	E. N. E.	not ap	Cir'd to 4 pm. Clear from 6 pm to midng		
19,	29.780	29.885	29.969	29.909	27.2	32.6	29.9	29.4	1.20	1.60	1.51	1.44	.80	.87	.91	.88	Calm.	Calm.	Calm.	not ap	Cir to 2 am. Rem of cir'd cl'd & haze		
20,	30.005	29.979	29.990	29.862	25.8	22.2	20.8	20.8	1.23	1.04	.089	.099	.86	.85	.77	.85	Calm.	E. by N.	Calm.	not ap	Cir'd all day. Particles of snow occas.		
21,	29.633	23.443	—	—	—	—	—	—	—	—	—	—	.93	.91	—	—	E. N. E.	E. N. E.	Calm.	not ap	Slight snow to 4 am. Den. over't all day		
22,	29.482	29.505	29.732	29.609	14.5	20.8	10.0	13.8	.091	.106	.058	.074	.83	.82	.78	.83	Calm.	Calm.	Calm.	not ap	Dens. over't. Snowing to 2 pm.		
23,	30.093	29.945	30.058	30.035	0.6	16.8	5.3	6.6	.037	.061	.046	.048	.76	.62	.77	.74	N. by W.	N.	Calm.	not ap	Cir'd to 6 pm. Snowing occ. Air. light		
24,	30.978	29.978	29.864	29.939	0.3	22.3	20.3	17.4	.042	1.00	.093	.084	.91	.82	.82	.81	Calm.	E. by S.	Calm.	not ap	From 9 pm to 1 am.		
25,	29.834	29.853	29.969	29.909	16.8	26.1	11.1	16.9	.066	.098	.070	.075	.67	.68	.91	.85	N. E.	N. E.	Calm.	not ap	Unclouded. Hazy round hor. Fine.		
26,	29.991	29.864	29.676	29.765	8.6	25.6	28.2	24.7	.059	1.11	.124	1.13	.85	.78	.79	.75	N. E.	E. S. E.	Calm.	not ap	Clear to 9 am. Rem. light cl'd & haze.		
27,	29.301	28.838	28.828	29.038	26.6	31.0	32.0	27.7	1.40	1.64	1.56	1.41	.96	.95	.87	.91	E. 4.53	E. N. E.	Calm.	not ap	Slight snow to 6 am. Clear from 1 pm		
28,	28.846	28.898	—	—	—	—	—	—	1.40	1.27	—	—	.89	.87	—	—	S W by W	W. N. W.	Calm.	not ap	Passing clouds to noon. Remains dense		
Mean	29.630	29.606	29.636	29.6306	18.6	27.3	21.4	22.48	1.00	1.21	1.04	1.08	.88	.78	.83	.83	—	—	—	not ap	Clear to 9 am. Rem. light cl'd & haze.		

\* Rain, in inches, on 3d, 0.489; on 4th, 0.070; total, 0.559.—† Rain not appreciable on 17th and 20th.

Under the head of Tension of Vapour, is given the elastic force of the Aqueous Vapour at each Observation, in decimths of an inch of Mercury, or the proportion of the Barometrical pressure due to the presence. Under the head of Humidity of the Air, is given the proportion the Aqueous Vapour bears to the quantity the air is capable of sustaining at the existing temperature, saturation being represented by 1.00. The quantity of Rain received for the last 24 hours, is noted at 9 a.m. The two Observations taken on Sundays are not included in any of the means.

Under the head of Force of Wind from each Quarter, is given the force of the wind in lbs. per sq. ft. at 8 a.m. The two Observations taken on Sundays are not included in any of the means.

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