

MONTHLY METEOROLOGICAL REGISTER AT H. M. MAGNETICAL OBSERVATORY, TORONTO, C. W.—APRIL, 1846.
 Latitude 43° 39'.4" N. Longitude 79° 21'.5" W. Elevation above Lake Ontario, 108 Feet.

DAY	Barometer at Temp. of 32°			Tension of Vapour.			Temperature of the Air.			Humidity of the Air.			Wind.			WEATHER.	Rain in in. on surf.			
	Mean.			Mean.			Mean.			Mean.			Mean.							
	7 A.M.	10 P.M.	3 P.M.	7 A.M.	10 P.M.	3 P.M.	7 A.M.	10 P.M.	3 P.M.	7 A.M.	10 P.M.	3 P.M.	7 A.M.	10 P.M.	3 P.M.					
1	30.156	30.117	30.1387	1.50	1.36	1.22	1.84	31.50	41.70	28.80	34.18	.84	.52	69	Calm.	S. by W.	Calm.	Clear and unclouded.	—	
2	30.163	30.112	30.106	1.36	1.25	1.34	1.32	33.4	42.3	29.4	34.68	.71	.47	82	N.E.	E. by S.	Calm.	Clear and unclouded.	—	
3	30.166	30.123	30.1169	1.43	1.08	1.32	1.32	35.6	45.5	34.0	37.84	.63	.36	68	N.E. by E.	E.	E. by N.	Clear and unclouded.	—	
4	30.085	30.051	29.987	1.46	1.84	1.71	2.02	38.4	49.0	41.9	44.55	.69	.54	65	N.E.	N.E. by E.	E. N. E.	Clear and unclouded.	—	
5	30.018	29.948	29.943	2.10	2.09	—	50.1	52.9	—	59	.54	.59	.54	83	S. E.	E. by S.	E.	Overcast with light haze.	—	
6	30.070	30.090	29.943	2.13	2.76	2.86	2.63	41.3	50.6	47.0	46.85	.83	.77	90	N. by W.	E.	E. by N.	Overcast with light haze.	—	
7	29.792	29.549	29.533	2.01	2.96	2.54	2.56	46.2	54.6	48.2	48.07	.81	.71	77	S.S.W.	S.S.W.	W.	Clear and unclouded.	—	
8	29.884	29.855	29.968	2.9180	1.14	0.88	1.12	34.4	42.3	31.8	34.79	.57	.33	58	W. by S. br.	W. brisk.	Calm.	Overcast.	0.055	
9	29.076	29.913	29.800	2.97520	1.41	1.59	1.61	33.4	48.1	35.2	39.98	.74	.47	65	Calm.	E. S. E.	N. E.	Overcast with light haze.	—	
10	29.778	29.667	—	1.58	2.05	—	1.58	38.8	42.7	35.4	39.31	.96	.53	69	N. E.	E. S. E.	N. W. by N.	Overcast all day.	0.160	
11	29.169	29.307	29.527	2.24	1.60	1.42	1.86	38.6	45.8	35.4	39.31	.96	.53	69	W. fresh.	W. fresh.	N. W. by N.	Overcast all day.	0.160	
12	29.397	29.223	—	1.63	1.89	—	32.0	35.4	—	32.0	31.24	.91	.92	81	Calm.	S. W. by S.	Calm.	Overcast all day.	0.160	
13	29.333	29.491	29.636	2.95355	1.37	1.16	1.31	27.3	38.4	27.4	31.24	.91	.50	81	N.	N. W. by S.	Calm.	Overcast all day.	0.160	
14	29.650	29.514	29.488	2.9742	1.65	1.53	1.96	171	34.0	44.7	37.51	.85	.52	95	N. W. br'k	N. W. by S.	Calm.	Overcast all day.	0.160	
15	29.855	29.931	29.977	2.93856	1.82	1.43	1.41	146	30.0	40.2	32.70	.79	.58	93	W. S. W.	W. S. W.	S. W.	Overcast all day.	0.160	
16	29.987	29.816	29.786	2.98293	1.58	1.81	1.86	170	33.0	45.6	39.1	.84	.60	80	N. N. W. br.	W. by S.	Calm.	Overcast all day.	0.160	
17	29.720	29.604	29.541	2.95984	1.88	2.61	2.32	239	42.0	55.9	43.1	48.58	.72	.60	84	Calm.	E. by S.	Calm.	Overcast all day.	0.160
18	29.645	29.558	29.565	2.96973	2.60	3.21	2.50	247	52.9	56.7	45.4	47.05	.66	.71	83	W. N. W.	S. by W.	S. W. by S.	Overcast all day.	0.160
19	29.822	29.937	—	1.62	2.03	—	40.6	55.0	—	40.6	47.05	.66	.71	83	N. W.	N.	Calm.	Overcast all day.	0.160	
20	30.005	29.804	29.738	2.98178	1.90	2.77	2.56	238	39.1	61.8	51.7	51.26	.80	.51	67	Calm.	S. W. by S.	Calm.	Overcast all day.	0.160
21	29.876	29.851	29.735	2.96639	2.74	3.02	2.53	315	53.4	75.0	51.2	57.78	.68	.35	96	Calm.	N. by W. br	E. by S.	Overcast all day.	0.160
22	29.650	29.565	29.471	2.97104	2.45	2.82	2.62	267	44.5	50.4	43.7	46.66	.85	.79	93	E. by N.	E. by S.	Calm.	Overcast all day.	0.160
23	29.400	29.352	29.471	2.95309	3.37	3.15	2.80	295	51.1	55.2	54.9	53.38	.91	.73	66	E. N. E.	E. N. E.	E. by N.	Overcast all day.	0.160
24	29.582	29.608	29.442	2.94148	3.80	4.05	3.29	342	51.5	55.4	47.9	51.43	.88	.94	100	Calm.	Calm.	Calm.	Overcast all day.	0.160
25	29.594	29.588	29.589	2.95973	1.87	1.63	1.63	1.64	44.3	44.8	44.9	42.77	.67	.55	55	E. S. E.	E.	N. E. by E.	Overcast all day.	0.160
26	29.656	29.593	29.462	2.95866	1.78	2.27	1.66	144	45.5	49.2	42	42.47	.67	.55	55	E. N. E.	E.	N. E. by E.	Overcast all day.	0.160
27	29.543	29.395	29.357	2.94128	1.73	2.43	2.22	189	49.7	56.4	44.1	49.14	.50	.51	58	Calm.	S. S. W.	N. by W.	Overcast all day.	0.160
28	29.295	29.277	29.263	2.92797	2.79	3.17	3.03	309	46.3	48.3	48.0	52.72	.42	.48	67	E. N. E.	E. by N. br	E.	Overcast all day.	0.160
29	29.290	29.286	29.317	2.92929	3.37	3.70	3.53	356	49.5	54.9	51.2	52.23	.97	.88	93	E. N. E.	E.	N. E.	Overcast all day.	0.160
30	29.740	29.6876	29.6868	2.97016	2.03	2.24	2.08	214	41.41	50.52	41.40	44.11	.77	.60	73	Calm.	Calm.	Calm.	Overcast all day.	0.160
Mean	29.740	29.6876	29.6868	2.97016	2.03	2.24	2.08	214	41.41	50.52	41.40	44.11	.77	.60	73	Calm.	Calm.	Calm.	Overcast all day.	0.160

Temperature for April.
 Year. M. an. Max. Min. Range.
 1840. 42.70 68.70 22.80 45.90
 1841. 30.4 61.8 19.9 41.9
 1842. 43.1 89.8 20.1 69.7
 1843. 41.29 71.6 14.7 26.9
 1844. 49.11 74.8 14.9 59.7
 1845. 42.13 66.7 16.5 24.2
 1846. 44.11 91.8 21.2 70.6

Proportion of Wind from each Quarter—
 N. W. 74
 S. W. 89
 S. E. 122
 N. E. 190
 Total, 583

Proportion of Calm,
 Proportion of the Barometric pressure due to its presence,

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 an Inch of Mercury, 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 quantity the air is capable of containing at the existing temperature, saturation being represented by 1.00.
 The Rain Gauge 27 Feet above the soil.—The Means entered are the Means by 21 hourly Observations, from 6 a. m., to 6 a. m.
 The two Observations taken on Sunday are not included in any of the means.