

MONTHLY METEOROLOGICAL REGISTER AT H. M. MAGNETICAL OBSERVATORY, TORONTO, C. W.—May, 1846.
 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.		
1,	29.314	29.286	29.326	54.3°	55.5°	54.8°	51.09	357	393	360	86	77	94	88	—	Overcast. B'ng st'ly fr. noon to midn't
2,	29.348	29.381	29.482	54.3	55.2	47.4	52.51	333	401	325	81	84	92	83	0.115	Overcast. B'ng st'ly fr. 3 am. Partially cl. in the aft
3,	29.614	—	—	62.7	60.8	—	—	330	379	—	60	73	—	68	—	Unclear. Hazy round horizon. Fine.
4,	29.720	29.659	29.611	59.632	65.1	50.1	51.92	294	337	254	73	56	71	80	—	M'ly cl'd. Mir. am. Aurora from 11 to 11 pm
5,	29.653	29.589	29.530	59.630	61.8	52.1	55.77	204	423	340	78	72	89	62	—	clearly cl'd. Stud. sq. wd at 10 h 5 m am
6,	29.594	29.524	29.630	59.630	61.91	56.3	55.9	307	381	293	63	53	69	80	—	Cloudy to 10 a.m. Clear and fine p.m.
7,	29.624	29.583	29.589	59.593	65.4	55.7	52.97	185	330	302	46	76	87	74	—	Clear to 6 a.m. Rempler of day overcast
8,	29.620	29.552	29.534	59.5515	60.0	56.5	57.61	369	343	339	86	66	88	82	—	Over. Halo rd. sun fr. 9 am to n. Str'ra
9,	29.429	29.252	29.189	59.3089	55.3	58.7	51.99	413	438	472	97	97	97	87	0.630	Raining moderately on slightly all day—
10,	29.172	29.231	—	—	57.1	54.1	—	376	281	—	83	68	—	57	0.950	Drizzly clouded all day.
11,	29.433	29.407	29.393	59.4076	56.6	46.4	41.70	111	157	166	51	53	66	70	—	Clr. to 6 a.m. Rem. of day m'ly clouded
12,	29.400	29.409	29.451	59.4168	47.2	61.6	43.7	191	310	226	59	58	80	78	—	Mostly clear. Fine.
13,	29.353	29.264	29.371	59.3514	46.3	67.8	59.76	275	403	378	88	61	67	78	0.175	Overly. haze. Str'ra from 10 h 50 m pm
14,	29.406	29.323	29.332	59.3514	58.3	61.6	62.33	452	411	392	94	70	73	80	—	Stowery. M'ly cl'd. Cl'ds electrical
15,	29.383	29.680	28.744	59.6681	51.1	59.8	52.49	350	464	294	95	92	85	86	1.900	Mostly overcast to 6 p.m. Rem. clear—
16,	29.825	29.794	29.805	59.7538	49.4	60.8	49.3	315	407	315	91	78	91	84	—	Quiet clear. Very fine.
17,	29.813	29.735	29.735	59.735	62.3	66.3	47.29	319	178	142	88	80	—	58	not ap	Very sl. pin to 3 am. Cl'd to n. Rem. of
18,	29.602	29.742	29.818	59.7511	54.1	53.4	41.2	387	503	226	61	62	86	68	—	Very sl. pin to 3 am. Cl'd to n. Rem. of
19,	29.853	29.687	29.556	59.6708	42.5	55.1	45.13	171	262	201	63	32	56	53	—	Mostly clear. Hazy round hor. Fine.
20,	29.491	29.401	29.524	59.5002	48.9	66.5	51.23	217	300	210	63	32	56	53	—	Mostly clear. Hazy round hor. Fine.
21,	29.762	29.759	29.778	59.7782	44.8	51.8	42.09	158	226	194	51	59	85	73	—	Cloudy. Clear spaces. R'n from 9 p.m.
22,	29.844	29.757	29.655	59.7223	47.6	56.5	52.09	221	214	223	69	47	59	68	0.350	Cloudy. Clear spaces. R'n from 9 p.m.
23,	29.553	29.561	29.644	59.5866	54.4	68.4	59.45	376	484	405	90	72	85	86	—	Th. & p'ning. & pin to 4 am. Rem. cl'd
24,	29.701	29.616	29.616	59.616	64.2	53.0	49.1	372	—	—	85	88	—	86	—	Th. & p'ning. & pin to 4 am. Rem. cl'd
25,	29.645	29.645	29.578	59.6013	65.2	70.4	66.35	552	661	560	96	92	96	93	0.140	Cloudy. Th. & p'ning. & pin most of aft.
26,	29.554	29.439	29.344	59.4197	66.0	73.8	67.22	580	660	497	93	81	97	89	—	Var. p'ning to 3 a.m. Th. & p'ning
27,	29.982	29.984	29.306	59.2657	72.2	76.6	68.08	625	503	441	81	57	78	76	—	With occa. slight rain during the day.
28,	29.391	29.225	29.275	59.2657	63.9	69.0	63.54	482	536	412	84	77	88	83	—	Mostly clear. Clouds dispersed. Fair.
29,	29.325	29.271	29.240	59.2682	62.9	70.0	61.77	450	514	414	80	72	77	79	—	Th. & p'ning to 3 am. Day cl'y. sp
30,	29.213	29.195	29.309	59.2932	58.8	72.5	65.05	457	625	522	94	81	87	88	0.115	Cloudy. Clear spaces. Th. 10 & 11 am.
31,	29.482	29.482	—	—	74.3	—	—	606	617	—	80	75	—	88	—	Th. & p'ning. and rain to 5 am. Cloudy.
Mean	29.5200	29.4924	29.5013	29.5067	54.00	62.16	52.92	341	387	336	79	68	81	77	4.375	Zeroth of air and haze rd. hor

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 Barometrical pressure due to its presence. Under the head of Humidity of the Air, is given the proportion of the Aqueous Vapour bears to the quantity the air is capable of sustaining at the existing temperature, saturation being represented by 100. The Instruments are Standard Instruments. The Rain Gauge is 21 feet above the soil. The Means entered are the Means by 24 hourly Observations, from 9 a. m., to 9 a. m. The Observations entered in the column for 7, 9 am., on Sundays, is actually taken at 9 a. m. The two Observations taken on Sundays are not included in any of the means.

Proportion of Wind from each Quarter—
 N.W. .. 113
 N.E. .. 83
 S.W. .. 71
 S.E. .. 71
 N.E. .. 86
 N.W. .. 86
 Total, 353
 Winds, 271
 Calm, 82
 Obscr., 624
 1846 .. 271

Temperature for May.
 Mean, 54.2
 Max, 76.4
 Min, 31.2
 Range, 45.2°
 No. Days, 11
 Inches, 2.850

Range, No. Days, Inches.
 45.2° .. 9 .. 2.850
 51.6 .. 11 .. 1.975
 56.9 .. 7 .. 1.570
 60.6 .. 6 .. 6.670
 64.7 .. 14 .. 2.309
 67.8 .. 8 .. 4.375
 71.8 .. 10 .. 4.375

Brisk and squally.
 * First th. st. of the season at Toronto.