

MONTHLY METEOROLOGICAL REGISTER AT H. M. MAGNETICAL OBSERVATORY, TORONTO, C. W.—SEPTEMBER, 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.	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.			
	Range 0.709				Range 47.0																		
1,	29.620	29.578	29.627	29.6152	68.9°	82.3°	70.5°	74.40	6.32	6.55	6.46	6.51	.93	.61	.89	.80	Calm.	S. W.	Calm.	Calm.	—	Unclouded. Hazy round hor. Fine.	
2,	29.666	29.558	29.553	29.5719	69.8	80.0	73.5	74.85	6.60	7.64	6.84	7.21	.91	.77	.86	.86	Calm.	E. S. E.	S. W. by S.	Calm.	—	Overcast. Light clouds and haze.	
3,	29.514	29.619	29.390	29.4969	71.2	73.2	69.6	73.30	6.97	7.26	6.62	7.03	.94	.96	.95	.95	Calm.	S. W. by S.	S. W. by S.	Calm.	—	Clear all day. Ring from 1 pm to midnight.	
4,	29.403	29.391	29.371	29.3715	69.8	77.5	69.8	66.60	7.72	7.08	7.27	7.08	.94	.84	.93	.91	Calm.	S. S. W.	S. S. W.	Calm.	—	Clear all day. Ring from 1 pm to midnight.	
5,	29.486	29.757	29.732	29.6105	73.0	77.4	65.6	71.99	7.41	8.01	5.85	6.96	.95	.88	.96	.91	W. S. W.	W. S. W.	W. S. W.	Calm.	—	Ring heavily fr. on to 3h am. Mty cl'd all day	
6,	29.820	29.757	—	—	72.0	74.1	—	—	—	—	—	—	—	—	—	—	E. by S.	E.	E.	Calm.	—	Light detached clouds passing occass.	
7,	29.685	29.575	29.632	29.6407	70.4	83.0	71.3	74.18	7.00	7.83	6.43	6.79	.98	.71	.86	.81	Calm.	S. W. by S.	N. N. W.	N. W.	—	Thinly light, S. fr. on 8 pm. To midnight. Very	
8,	29.725	29.723	29.759	29.7691	63.0	69.0	59.4	62.60	4.59	4.26	2.71	3.75	.82	.63	.55	.65	N. N. W.	N. by E.	N. by E.	E. N. E.	—	perly light, S. fr. on 8 pm. To midnight. Very	
9,	29.421	29.876	29.867	29.8699	51.2	61.8	62.4	64.30	2.47	2.99	3.28	3.10	.60	.50	.59	.59	N. E.	E. by N.	E. by N.	E.	—	Detached clouds generally.	
10,	29.327	29.874	29.811	29.8669	61.8	67.8	60.2	61.20	3.42	3.62	4.52	4.01	.63	.55	.58	.69	N. E.	E.	E.	E.	—	Detached clouds till 3 pm. Rem. uncl'd.	
11,	29.807	29.565	29.641	29.6818	68.0	76.5	66.8	70.86	3.98	6.87	6.12	6.43	.60	.77	.97	.88	E. by S.	E.	E.	Calm.	—	Mostly clear. A few detached clouds.	
12,	29.605	29.585	29.531	29.5383	72.5	79.6	69.2	69.50	7.29	6.07	5.13	6.32	.93	.80	.94	.90	Calm.	S. by S.	S. by S.	Calm.	—	Mty cl'd. TI & Png. At 12 to 11 pm	
13,	29.605	29.563	—	—	72.5	79.6	—	—	—	—	—	—	.87	.78	.80	.90	Calm.	S.	S.	Calm.	—	Depose fog am. 7 1/2 pm. At 12 pm, with	
14,	29.506	29.386	29.391	29.4371	69.2	80.0	75.2	73.55	6.83	5.11	6.78	6.75	.87	.78	.80	.82	Calm.	Calm.	Calm.	Calm.	—	heavy in S. large halts. Pres. wd 6th	
15,	29.665	29.674	29.714	29.7102	56.3	65.6	53.8	57.05	2.93	2.22	2.64	2.63	.66	.36	.65	.59	S. W. by S.	S. N. W.	N. W. by N.	N. W. by N.	—	Detached clouds.	
16,	29.851	29.701	29.636	29.6959	50.8	65.0	58.9	59.40	3.20	3.83	3.84	3.63	.81	.64	.78	.75	N. N. W.	N. N. W.	N. N. W.	Calm.	—	A few clouds to 7 pm. Rem. uncl'd. Fine	
17,	29.571	29.506	29.463	29.4924	55.5	60.2	57.3	58.65	3.63	4.04	4.16	4.13	.84	.64	.92	.85	Calm.	S. S. E.	S. S. E.	Calm.	—	Unc'd to 9 pm. Du. Rem. during rem.	
18,	29.484	29.546	29.614	29.5715	58.1	67.0	55.4	58.99	4.02	4.89	3.92	4.12	.85	.76	.91	.84	N. by E.	S. E.	S. E.	Calm.	—	Aur. light in N. at 11 pm and midnt	
19,	29.687	29.718	29.730	29.6772	52.8	61.3	61.3	63.68	3.49	5.90	4.31	4.72	.89	.73	.82	.81	Calm.	S. S. W.	S. S. W.	Calm.	—	Gen. clouded. Rain from 11 am to 4 pm	
20,	29.696	29.560	—	—	69.6	70.5	—	—	—	—	—	—	.75	.72	.73	.81	S. S. W.	S. S. W.	S. S. W.	Calm.	—	Partially clouded till 3 pm. Rem. clear	
21,	29.759	29.785	29.812	29.7952	51.9	60.4	48.2	51.64	3.06	3.05	3.79	3.28	.80	.59	.78	.78	S. S. W.	S. W.	S. W.	Calm.	—	Generally clear. Hazy. Fine.	
22,	29.848	29.730	29.730	29.7699	43.6	64.7	50.0	53.86	2.25	4.36	3.30	3.66	.59	.59	.87	.87	N. N. W.	N. N. W.	N. N. W.	Calm.	—	Overcast. Light cl'ds. Th. 3 pm. Rain	
23,	29.665	29.545	29.552	29.5819	53.6	64.4	64.4	64.74	3.89	3.85	5.61	5.30	.91	.74	.93	.87	Calm.	Calm.	Calm.	Calm.	—	Gen. cl'd. Brill. At 9 pm to 2 am of 22d	
24,	29.641	29.639	29.752	29.6732	63.6	61.8	55.6	58.91	3.34	4.66	3.93	4.55	.94	.87	.95	.95	by W.	S. by W.	S. by W.	Calm.	—	C'r & uncl'd. Very fine. Frost am.	
25,	29.666	29.361	29.346	29.4383	50.4	57.0	51.2	51.90	3.36	4.68	3.33	3.54	.93	.97	.89	.92	N. N. E.	N. E. by N.	N. E. by N.	Calm.	—	Unc'd till 9 pm. Very fine. Lightning	
26,	29.539	29.519	29.488	29.5838	46.4	60.3	51.8	51.51	2.82	3.98	3.37	3.25	.80	.76	.89	.86	N. N. E.	E. N. E.	E. N. E.	N. W.	—	Th. and fr. most of N. Sltry all day	
27,	29.497	29.759	29.771	29.8181	54.8	55.1	52.7	53.09	3.34	3.06	3.19	3.21	.80	.72	.89	.86	Calm.	S.	S.	Calm.	—	Mostly clear. Detached clouds.	
28,	29.862	29.719	—	—	41.4	59.1	52.7	53.09	2.25	3.58	3.19	3.21	.91	.73	.81	.81	W. S. W.	W. N. W.	W. N. W.	Calm.	—	Lightly clear. Showery. Squall of wind at	
29,	29.740	29.636	29.555	29.5991	58.8	66.5	54.8	61.20	4.05	4.38	3.75	4.27	.83	.70	.90	.81	S. W. by S.	S. W. by S.	S. W. by S.	Calm.	—	Th. on am. Sib.	
30,	29.441	29.310	29.370	29.3817	60.1	67.2	62.8	62.11	4.45	5.11	4.39	4.44	.87	.79	.78	.81	S. W. by S.	S. S. W.	S. S. W.	W. N. W.	—	Unc'd till no. Det. cl'ds rem. Frost am	
Mean	29.644	29.6007	29.6092	29.6237	59.83	69.33	61.03	63.41	4.64	5.29	4.63	4.66	.88	.74	.86	.82						—	Clear and unclouded alternately.

The Frost on 22d and 29th am was light, and only on, on boarded footpaths.

Highest Barometer, 29.935 at 11 a.m. on 9th. Range 0.709
Highest Temp., 84° 3 on 1st, P.m.
Highest N. Temperature, 81° 3 on 23th, a.m. } Range 47.0
Mean Daily Range, 16° 23 }
Extreme Daily Range, 27° 5 from 14th, pm, to 15th, am.

Proportion of Wind from each Quarter—
on 12th, at 0h 20m; Max. force, 5 mbs.
N.W. 71 Total
N.W. 140 W. Winds 381
S.E. 82 Calms 231
N.E. 82 Calms 1813

Temperature for September.
Mean, 61.4°
Max. 73.6°
Min. 30.2°
Range, 43.4°
No. Days, 9
Rain, 4.595
No. Winds, 117
Mean Force, 0.28
No. Winds, 402
Mean Force, .67
No. Winds, 420
Mean Force, .26
No. Winds, 233
Mean Force, .34
No. Winds, 396
Mean Force, .33
No. Winds, 391
Mean Force, .33

Under the head of Tension of Vapour is given the elastic force of the aqueous vapour in decimals of an inch of Mercury, or the proportion being represented by 1,000.
The quantity of Rain received for the last 24 hours, is noted at 9 a.m.
The Observations entered in the column for 7 a.m., on Sundays, are actually taken at 3 a.m. The two Observations taken on Sunday's are not included in any of the means.