

MONTHLY METEOROLOGICAL REGISTER, at M. M. Magnetical Observatory, Toronto, C. W.—August, 1851.
Latitude 43 deg. 39.4 min. N. Longitude, 79 deg. 21.5 min. W. Elevation above Lake Ontario, 108 feet.

Day	Barom. at tem. of 32 deg.			Temperature of the air.			Tension of V. max.			Humidity of Air.			Wind			Rain in inches	Weather.
	6 A. M.	2 P. M.	10 P. M.	6 A. M.	2 P. M.	10 P. M.	6 A. M.	2 P. M.	10 P. M.	6 A. M.	2 P. M.	10 P. M.	6 A. M.	2 P. M.	10 P. M.		
1	29.780	29.780	29.755	29.77	60.4	60.4	57.2	62.54	60.3	57.2	62.54	60.3	E b N	E b N	E b N	.....	Day cloudy, evening fine.
2	706	714	708	705	53.7	74.7	61.6	65.03	405	49	59	75	E b N	E b N	E b N	0.15	Light clouds all day; clear p. m.
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E b N	E b N	E b N	0.05	Dense rain during night.
4	691	722	730	727	61.4	62.2	66	63.03	523	98	98	98	E b N	E b N	E b N	0.05	Dense rain during night.
5	685	752	758	757	61.8	61.8	61	64.57	400	83	83	83	E b N	E b N	E b N	0.05	Dense rain during night.
6	689	735	738	727	58.4	74.3	66	67.95	449	92	92	92	E b N	E b N	E b N	0.05	Dense rain during night.
7	518	708	708	708	66.2	69.6	63.4	69.73	566	62	62	62	E b N	E b N	E b N	0.05	Dense rain during night.
8	732	715	715	715	68.5	69.6	63.4	64.94	444	88	88	88	E b N	E b N	E b N	0.05	Dense rain during night.
9	421	575	701	564	66.0	69.4	63.4	63.45	559	74	74	74	E b N	E b N	E b N	0.05	Dense rain during night.
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E b N	E b N	E b N	0.05	Dense rain during night.
11	407	407	558	51	61.4	70.1	64.2	65.72	497	84	84	84	E b N	E b N	E b N	0.05	Dense rain during night.
12	698	590	609	605	58.8	69.4	69.13	495	708	91	91	91	E b N	E b N	E b N	0.05	Dense rain during night.
13	655	670	673	664	67.0	76.1	61.8	69.40	475	70	70	70	E b N	E b N	E b N	0.05	Dense rain during night.
14	561	615	633	618	68.1	69.1	63.8	69.61	440	69	69	69	E b N	E b N	E b N	0.05	Dense rain during night.
15	659	624	635	627	67	66.2	5.4	58.4	4205	82	82	82	E b N	E b N	E b N	0.05	Dense rain during night.
16	615	638	608	628	48	65.4	58.4	60.15	324	68	68	68	E b N	E b N	E b N	0.05	Dense rain during night.
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E b N	E b N	E b N	0.05	Dense rain during night.
18	721	751	771	775	51.8	67.8	57.4	60.40	390	47	47	47	E b N	E b N	E b N	0.05	Dense rain during night.
19	733	789	789	789	52.8	67.1	58.8	60.12	352	40	40	40	E b N	E b N	E b N	0.05	Dense rain during night.
20	733	789	789	789	52.8	67.1	58.8	60.12	352	40	40	40	E b N	E b N	E b N	0.05	Dense rain during night.
21	559	599	599	599	57.2	61.6	61.6	61.83	368	80	80	80	E b N	E b N	E b N	0.05	Dense rain during night.
22	331	359	359	359	56.0	57.2	58.8	71.0	64.0	63.72	413	68.2	57.4	57.4	57.4	0.05	Dense rain during night.
23	501	562	538	532	56.4	79.8	61.8	68.72	58	60.1	55.5	57.8	57.8	57.8	57.8	0.05	Dense rain during night.
24	433	51	673	519	66.6	68.6	56.8	61.53	576	49	49	49	E b N	E b N	E b N	0.05	Dense rain during night.
25	791	811	895	811	64.4	52.0	59.37	367	246	32	32	32	E b N	E b N	E b N	0.05	Dense rain during night.
26	90	39	39	39	44.5	64.5	50.6	53.60	561	36	36	36	E b N	E b N	E b N	0.05	Dense rain during night.
27	931	901	859	859	43.6	71.8	56.5	59.29	264	43	43	43	E b N	E b N	E b N	0.05	Dense rain during night.
28	884	821	743	811	47.4	71.4	62.0	63.15	299	84	84	84	E b N	E b N	E b N	0.05	Dense rain during night.
29	701	620	713	678	38.2	75.0	70.0	69.63	438	66	66	66	E b N	E b N	E b N	0.05	Dense rain during night.
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E b N	E b N	E b N	0.05	Dense rain during night.
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E b N	E b N	E b N	0.05	Dense rain during night.

SUM OF THE ATMOSPHERIC CURRENT IN MILLS, RESOLVED into the four Cardinal directions :										Temp. range.			Rain			Snow.		
										MEAN	MAX.	MIN.	MEAN	MAX.	MIN.	MEAN	MAX.	MIN.
North										18.00	63.4	82.4	47.7	41.7	1.2	2.906	0	0
West										18.10	43.0	81.8	4.7	39.4	9	6.170	0	0
South										18.10	65.0	81.8	3.9	35.0	6	5.760	0	0
East										18.11	63.4	83.1	11.0	49.4	4	1.50	0	0
Total										72.31	272.8	348.1	67.3	135.5	17	10.936	0	0
Mean Velocity of wind—4.62 miles per hour.										18.15	47.8	81.8	41.5	33.4	9	1.770	0	0
Most windy day—4 h. : mean velocity—10.3 m. per hour										18.16	68.4	86.1	49.5	39.9	9	6.170	0	0
Least windy day—8 h. : ditto — 1.79 ditto										18.17	43.0	81.8	4.7	39.4	9	6.170	0	0
Most windy hour—3 p.m. : mean velocity—7.96 m. p. h.										18.18	68.4	86.1	49.5	39.9	9	6.170	0	0
Least windy hour—3 a.m. : ditto — 2.48 do										18.00	63.4	82.4	47.7	41.7	1.2	2.906	0	0
Mean diurnal variation — 4 m. p. h.										18.15	47.8	81.8	41.5	33.4	9	1.770	0	0

Highest Barometer . . 29.985, at 8 a. m., on 27th } Monthly range	
Lowest Barometer . . 29.365, at 4 p. m., on 22nd } 0.620 inch.	
Highest temperature . 79.8, at 2 p. m., on 27th } Monthly range :	
Lowest temperature . 42.1, at a. m., on 27th. } 37°	
Mean high obs. temp 71.55 } Mean daily range, 17.14.	
Mean Min Temp 51.42 }	
Greatest daily range . . 3.4, from 2 p. m of 26th to a. m. of 3 th	
Warmest day . . . 7th . . . Mean temp. range 43.73 } Dur 11.13.	
Coldest day . . . 27th . . . Do, . . . 5.60 }	
Mean diurnal variation . .	