

Monthly Meteorological Register, at the Provincial Magnetical Observatory, Toronto, Canada West.—April, 1855.  
Latitude, 43 deg. 39.4 min. North. Longitude, 79 deg 21. min. West. Elevation above Lake Ontario, 108 feet.

Day.	Barom. at temp. of 32 deg.				Temp. of the Air.				Mean Temp. + or - of the Average	Tension of Vapour.				Humid'y of Air.				Wind.				Rain in Inch.	Snow in Inch.
	6 A.M.	2 P.M.	10 P.M.	Mean.	6 A.M.	2 P.M.	10 P.M.	M'N.		6 A.M.	2 P.M.	10 P.M.	M'N.	6 A.M.	2 P.M.	10 P.M.	M'N.	6 A.M.	2 P.M.	10 P.M.	Mean Vel'y		
1	29.256	29.263	—	—	25.5	26.2	—	—	—	0.102	0.113	—	—	73	78	—	—	NWbW	NWbW	N W	26.40	...	0.1
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NWbW	NWbW	NWbW	22.10	...	...
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N W W	S	Calm.	3.90	...	...
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	S b E	Calm.	1.48	...	...
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	E b S	E S E	N	3.03	...	...
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N N W	N W	NWbN	12.25	Inap.	...
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N b E	S S E	S W b S	5.16	...	...
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	S W b S	NWbN	8.83	0.035	...
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S S W	W	Calm.	6.95	0.015	...
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S b W	W N W	Calm.	14.53	...	1.4
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NWbN	N N W	N N W	21.09	...	...
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N N W	NWbN	N b W	7.98	...	0.1
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NWbN	E	N E	4.88	0.655	...
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	S S W	N N W	7.01	...	...
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	NWbN	S	Calm.	1.99	...	...
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	S b E	Calm.	2.17	...	...
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S E	E S E	Calm.	1.78	0.095	...
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	E b N	Calm	E S E	4.27	0.025	...
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	N b E	Calm.	1.74	Inap.	...
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N	S b W	Calm.	4.94	...	...
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	S E	Calm.	1.27	...	...
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	N b W	N b W	9.29	...	...
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	S F	Calm.	0.61	...	...
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	E S E	W S W	3.60	...	...
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	N b W	E b N	E b N	6.54	0.635	...
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60	75	76	14.43	...	...
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W b S	N W	N b W	11.29	...	...
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Calm	E	E	8.11	Inap.	...
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	E b N	E	E b N	6.65	0.446	...
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	E b N	E S E	Calm	2.79	0.076	...
M	29.664	29.642	29.659	29.654	35.7	51.2	39.4	42.3	+ 1.4	0.192	0.220	0.206	0.208	85	86	83	75	6.11	10.78	5.25	7.57	2.0	1.6

Highest Barometer..... 29.998, at 8 a.m. on 28th } Monthly range:  
 Lowest Barometer..... 29.233, at 6 a.m. on 6. th } 0.765 inches.  
 Highest registered temperature 69° 4, at p.m., 4th } Monthly range:  
 Lowest registered temperature 10° 7, at a.m. on ... d } 58° 7.  
 Mean Maximum Thermometer..... 52° 93 } Mean daily range:  
 Mean Minimum Thermometer..... 32° 06 } 20.87  
 Greatest daily range.....37° 2, from p.m. of 14th to a.m. of 15th.  
 Least daily range..... 5° 7, from p.m. of 29th, to a.m. of 30th.  
 Warmest day..... 19th. Mean temperature.....55° 02 } Difference,  
 Coldest day..... 2nd. Mean temperature.....22° 10 } 32° 92.  
 Greatest intensity of Solar Radiation, 81° 5 on p.m. of 21st } Range,  
 Lowest point of Terrestrial Radiation, 8° 6 on a.m. of 2nd } 72° 9.  
 Aurora observed on 9 nights: viz. 4th, 7th, 9th, 11th, 12th, 14th, 15th,  
 20th and 22nd.

Possible to see Aurora on 19 nights. Impossible on 11 nights.  
 Raining on 8 days. Raining 23.0 hours; depth, 2.030 inches.  
 Snowing on 3 days. Snowing 8.0 hours; depth 1.6 inches.  
 Mean of Cloudiness, 0.51.  
 Halos were observed round the moon on the 3rd at midnight and 21st  
 at 10 p.m.  
 Thunder storms occurred on the 14th, 17th, 18th, 19th and 29th.

Sum of the Atmospheric Current, in miles, resolved into the four Cardinal directions.

North—2937.92 West—2581.36 South.—624.56 East—875.65.  
 Mean direction of the Wind, N 36° W.  
 Mean velocity of the Wind, 7.57 miles per hour.  
 Maximum velocity, 40.0 miles per hour, from 11 a.m. to noon on 26th.  
 Most windy day, the 1st; mean velocity, 26.40 miles per hour.  
 Least windy day, the 23rd; mean velocity, 0.61 “ “  
 Most windy hour, 1 p.m.; Mean velocity, 11.76 miles per hour.  
 Least windy hour, 5 a.m.; Mean velocity, 4.35 miles per hour.  
 Mean diurnal variation, 7.41 miles.  
 1st. The most windy day yet recorded at the Observatory.  
 4th. Robins seen. 7th. Blue birds seen.

8th. Butterflies numerous. 9th. Frogs first heard.  
 13th. Swallows observed. 14th. First thunder storm of the season.  
 16th. Ice totally gone from Toronto Bay.  
 18th. Violent thunder storm and hurricane from 5-30 to 6-30 a.m.  
 during which the wind for 10 min. (5-55 to 6-05 a.m.) fully attained  
 the velocity of 38 miles per hour. Heavy rain and large hailstones  
 fell during the storm. (For details see Canadian Journal.  
 21st. In digging on the north side of the tower at the Observatory the  
 ground was found frozen to the depth of 2 feet 9 inches.  
 27th. 5-30 a.m. ice 1/2 inch thick on small ponds and pools.

Comparative Table for April.

Year.	Temperature.				Rain.		Snow.		Wind Mean Velocity.
	Mean.	Dif. from Avg'o	Max. obs'd	Mfn. obs'd	Range D's.	Inch.	D's.	Inch.	
1849	42.4	+1.1	65.9	25.3	40.6 14	3.420	2	...	
1841	39.2	-2.1	62.9	22.1	40.8 3	1.370	3	0.51 lb.	
1842	43.1	+1.8	89.5	21.6	67.9 8	3.740	2	0.57 lb.	
1843	40.9	-0.4	70.0	15.1	54.9 7	3.185	3	0.1 0.46 lb.	
1844	47.5	+6.2	74.5	17.2	57.3 10	1.515	1	Inap. 0.24 lb.	
1845	42.1	+0.8	66.0	14.8	51.2 11	3.290	4	1.5 1.00 lb.	
1846	44.0	+2.7	79.4	24.4	55.0 10	1.300	2	1.3 0.55 lb.	
1847	39.2	-2.1	65.6	8.1	57.2 8	2.870	2	4.0 0.59 lb.	
1848	41.3	0.0	65.4	26.5	38.9 5	1.455	1	0.7 4.89 Miles.	
1849	39.0	-2.3	70.9	23.2	47.7 10	2.655	2	1.7 7.50 Miles.	
1850	37.9	-3.4	63.2	18.2	45.0 7	4.720	2	1.1 7.64 Miles.	
1851	41.3	0.0	59.2	25.8	33.4 11	2.295	3	1.2 8.07 Miles.	
1852	38.2	-3.1	53.8	19.8	34.0 6	1.990	4	9.4 6.68 Miles.	
1853	41.9	+0.6	65.7	27.0	38.7 10	2.625	1	1.0 5.20 Miles.	
1854	41.0	-0.3	65.1	22.3	42.8 12	2.685	4	2.7 6.82 Miles.	
1855	42.4	+1.1	63.8	12.2	51.6 8	2.030	3	1.6 7.57 Miles.	
M'n.	41.34		67.55	20.24	47.31 8.7	2.571	2.4	2.0 6.80 Miles.	