

Monthly Meteorological Register, at the Provincial Magnetical Observatory, Toronto, Canada West.—May, 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	29.608	29.686	29.763	29.693	51.0	68.2	51.6	57.3	+10.9	0.335	0.433	0.308	0.350	91	61	73	76	N b W	S b W	N	4.96	...	...
2	8.10	8.00	7.54	7.95	49.5	55.9	49.0	51.7	+ 5.0	308	158	270	251	88	36	79	68	E N E	E b N	E b N	9.37	...	...
3	7.68	7.61	7.51	7.63	53.5	59.2	44.7	52.2	+ 5.1	286	217	200	219	71	44	69	68	E N E	E S E	E b N	7.67	...	...
4	8.13	7.58	7.87	7.84	48.1	60.5	47.4	52.1	+ 4.6	237	148	166	188	72	28	51	51	N b W	N	N b W	14.98	...	...
5	8.36	7.63	7.10	7.61	46.7	63.7	49.0	53.3	+ 5.6	201	271	233	221	64	47	74	57	N b W	S W	N N W	10.72	...	...
6	6.09	4.78	—	—	47.8	62.0	—	—	—	189	205	—	—	58	37	—	—	NWbW	N b W	—	10.63	...	...
7	5.62	5.26	4.83	5.24	38.2	42.1	34.1	38.1	-10.3	116	144	166	141	50	55	85	63	E N E	E S E	N b E	6.09	1.000	0.3
8	3.33	4.69	5.68	4.76	35.2	39.7	39.0	37.7	-11.1	199	202	213	202	97	83	91	90	N b N	NEbN	N N W	8.23	0.300	0.6
9	7.00	7.68	8.18	7.70	43.1	56.7	38.1	45.4	+ 3.8	152	226	167	182	55	50	72	61	N b E	S	Calm.	5.69	...	...
10	8.75	8.25	7.66	8.16	46.3	59.2	42.4	50.1	+ 0.6	258	233	171	201	83	47	64	68	N	S S W	Calm.	3.88	...	...
11	7.41	6.30	6.02	6.51	45.0	64.9	42.4	52.0	+ 2.1	184	237	182	200	62	40	68	54	Calm	S b W	N b W	6.04	Inap.	...
12	6.15	5.72	5.80	5.88	51.0	66.6	48.6	54.3	+ 4.2	266	330	276	304	72	52	82	74	N b E	S b W	Calm.	1.66	Inap.	...
13	5.82	4.88	—	—	44.9	68.9	—	—	—	266	343	—	—	87	49	—	—	Calm	S b E	—	4.42	0.285	...
14	6.32	6.11	5.63	6.07	49.5	65.5	51.7	56.2	+ 5.3	312	367	288	330	89	60	76	75	S b W	S b E	Calm	1.92	...	...
15	4.87	3.74	2.83	3.80	48.6	66.4	59.6	59.9	+ 8.6	298	441	405	396	89	70	82	79	Calm	S b W	W b N	8.06	0.340	...
16	3.98	4.11	5.96	4.87	52.2	62.1	42.7	51.6	0.0	354	278	214	276	91	51	79	74	NWbW	NWbW	N N W	8.85	...	...
17	7.36	7.49	7.55	7.50	49.5	66.0	45.8	53.8	+ 1.8	179	261	220	215	50	42	72	54	N b W	N b W	Calm	4.63	...	...
18	7.56	6.66	5.56	6.18	46.4	62.7	51.6	55.0	+ 2.7	219	229	207	232	71	41	55	68	Calm	E N E	E	6.83	...	...
19	5.04	4.83	4.86	4.84	52.0	58.6	49.9	53.1	+ 0.5	265	349	279	303	70	72	79	76	Calm	E b S	Calm	1.32	...	...
20	4.70	4.58	—	—	57.4	74.3	—	—	—	363	449	—	—	79	55	—	—	N W	S b W	—	7.27	...	...
21	5.66	5.41	4.94	5.26	51.7	59.6	46.6	53.3	0.0	199	223	255	231	54	44	81	60	N b E	S b W	Calm.	1.66	...	...
22	5.13	5.08	4.97	5.12	50.6	63.0	54.3	56.5	+ 2.8	235	237	285	251	65	42	69	57	Calm	S E b S	Calm.	0.89	...	...
23	5.36	5.06	5.28	5.28	51.1	61.0	54.3	56.2	+ 2.2	246	371	306	295	60	70	74	66	E N E	E	Calm.	3.03	0.160	...
24	5.66	6.17	—	—	56.8	74.8	—	—	—	310	392	—	—	69	47	—	—	NWbW	S b W	—	4.84	...	...
25	8.39	7.72	7.85	8.01	51.7	65.3	47.8	54.9	+ 0.2	288	256	198	261	76	42	60	62	Calm	N b W	N b W	11.10	...	...
26	8.88	8.05	8.35	8.33	45.4	60.7	49.1	53.2	+ 1.8	158	157	241	184	53	30	69	48	N	NWbN	N b W	11.31	...	...
27	9.02	8.23	—	—	50.6	63.0	—	—	—	208	237	—	—	57	42	—	—	N	S b W	—	4.72	...	...
28	7.97	7.71	7.37	7.67	50.6	67.8	48.1	56.0	+ 0.3	231	286	218	261	63	43	66	60	N	S E b E	S E b E	1.82	...	...
29	7.77	7.58	7.29	7.55	51.7	71.4	49.5	57.9	+ 2.0	245	295	266	268	65	39	76	58	Calm	S E	Calm.	1.48	...	...
30	7.92	6.95	6.33	7.02	47.5	68.9	52.6	57.7	+ 1.5	270	415	351	344	84	60	90	74	N N E	E S E	Calm.	2.82	...	...
31	6.27	5.12	4.17	5.33	59.2	64.3	57.8	60.3	+ 3.7	383	425	389	400	77	72	83	78	S S E	S W b S	S b W	6.04	0.480	...
M	29.673	29.616	29.635	29.651	48.8	61.5	48.1	53.1	+ 1.6	247	271	249	258	72	51	74	65	1.09	7.96	4.00	5.93	255	0.9

Highest Barometer..... 29.902, at 6 a.m. on 27th } Monthly range:
 Lowest Barometer..... 29.283, at 10 p.m. on 15th } 0.619 inches.
 Highest registered temperature 77°-5, at p.m., 20th } Monthly range:
 Lowest registered temperature 33°-0, at a.m. on 9th } 44°-5.
 Mean Maximum Thermometer..... 65°-40 } Mean daily range:
 Mean Minimum Thermometer..... 41°-42 } 23.98
 Greatest daily range.....39°-4, from p.m. of 24th to a.m. of 25th.
 Least daily range.....10°-0, from p.m. of 7th, to a.m. of 8th.
 Warmest day..... 31st. Mean temperature.....60°-25 } Difference,
 Coldest day..... 8th. Mean temperature.....37°-68 } 22°-57.
 Greatest intensity of Solar Radiation, 89°-2 on p.m. of 20th } Range,
 Lowest point of Terrestrial Radiation, 23°-6 on a.m. of 10th } 65°-6.
 Aurora observed on 4 nights: viz. 1st, 8th, 10th, and 16th.
 Possible to see Aurora on 20 nights. Impossible on 11 nights.
 Raining on 6 days. Raining 30.9 hours; depth, 2.565 inches.
 Snowing on 2 days. Snowing 7.0 hours; depth 0.9 inches.

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

North—2741.56 West—1017.01 South—690.05 East—998.66.
 Mean direction of the Wind, N 1° W.
 Mean velocity of the Wind, 5.93 miles per hour.
 Maximum velocity, 24.7 miles per hour, from 10 to 11 a.m. on 4th.
 Most windy day, the 4th; mean velocity, 11.98 miles per hour.
 Least windy day, the 22nd; mean velocity, 0.89 " "
 Most windy hour, noon; Mean velocity, 9.04 miles per hour.
 Least windy hour, 1 a.m.; Mean velocity, 3.41 miles per hour.
 Mean diurnal variation, 5.63 miles.
 Mean of Cloudiness, 0.46.
 1st. Total eclipse of the Moon from 8h 54m p.m. 1st, to 0.45m. a.m. of 2nd.
 7th. Snow storm from 3h 30m p.m., continuing during the night.
 8th. Snow storm until noon. Cold stormy day.
 11th. Halo round the sun at 3 p.m.

15th. Severe thunder storm from 7 p.m. till midnight.
 23rd. Thunder storm with heavy rain and large hailstones, from 0h 30m to 1h. 30m p.m.

The results of the above table show that the Mean Temperature of May, 1855, has been 1.6° warmer than the average of the last 16 years. The total quantity of Rain, 0.4 inch. less than the average; and the velocity of the Wind 0.5 miles per hour greater than the average of the last 8 years.

Comparative Table for May.

Year.	Temperature.				Rain.		Snow.		Wind Mean Velocity in Miles.
	Mean.	Dif. from Avg.	Max. obs'd.	Min. obs'd.	Inch.	D's.	Inch.		
1840	53.8	+2.3	74.5	30.8	43.7	9	4.150	...	...
1841	50.5	-1.0	76.2	26.6	49.6	11	2.350	1	Inap. 0.35 lb.
1842	49.1	-2.4	74.3	30.0	44.3	7	1.275	...	0.53 lb.
1843	49.1	-2.4	79.6	28.9	50.7	5	1.670	...	0.52 lb.
1844	53.6	+2.1	77.7	29.0	48.7	14	5.670	...	0.30 lb.
1845	49.6	-1.9	76.6	29.4	47.2	8	2.300	...	0.55 lb.
1846	55.5	+4.0	78.1	34.3	43.8	9	4.375	...	0.46 lb.
1847	54.4	+2.9	72.5	27.8	44.7	12	2.040	...	0.29 lb.
1848	54.1	+2.6	78.5	31.9	46.6	13	2.520	...	4.93 Miles.
1849	48.0	-3.5	72.5	32.7	39.8	16	5.115	...	5.33 Miles.
1850	47.6	-3.9	76.3	31.1	45.2	7	0.545	1	Inap. 6.32 Miles.
1851	51.3	-0.2	73.2	28.7	44.5	12	2.950	1	0.5 6.34 Miles.
1852	51.4	-0.1	73.3	34.5	38.8	7	1.125	1	Inap. 4.00 Miles.
1853	50.9	-0.6	78.4	38.4	40.0	17	4.420	1	Inap. 5.14 Miles.
1854	52.2	+0.7	69.0	27.6	41.4	11	4.630	...	5.38 Miles.
1855	53.1	+1.6	74.8	33.9	40.9	6	2.565	2	0.9 5.93 Miles.
M'n.	51.51		75.34	30.97	44.37	10.32	2.975	0.4	0.1 5.42 Miles.