

H. M. Magnetic Observatory, Toronto, C. W.—MARCH, 1852.

Elevation above Lake Ontario, 108 feet.

Humidity of Air				Wind			Rain	Snow	WEATHER.
6 A.M.	9 A.M.	12 M.	3 P.M.	6 A.M.	9 P.M.	12 P.M.	inches	inches	
95	81	91	90	Calm	NNE	NbE	.....	7.0	Snowing steadily from 2 p.m.
76	36	79	80	NWbN	W	NbW	.....	0.4	Snowing till 10-15 a.m. Aft. clear and fine.
100	84	75	86	Calm	NW	W	.....	.....	Light clouds dispersed Generally clear.
82	80	95	86	NW	NEbE	NbE	.....	2.0	Densely clouded; heavy snow during night.
94	95	80	87	NNW	WbS	W	.....	.....	Overcast; mild; rapid thaw.
80	66	58	69	W	SW	WbN	.....	.....	A few light clouds; half round m. at midn.
68	76	...	...	Calm	SbW	Calm	.....	.....	Unclouded; very fine day.
87	90	87	88	EbN	NEbE	NEbE	0.625	.....	Overcast; thunder-storm 8 p.m. to midnight.
98	83	72	82	...	SSW	W	inapp	.....	Foggy; slight rain at 2 p.m.; overcast.
87	54	80	79	WbN	NW	Calm	.....	.....	Very fine; faint auroral arch 10-30 p.m.
91	80	82	81	EbN	NEbN	...	inapp	.....	Light clouds and haze dispersed.
95	100	96	95	Calm	Calm	...	0.070	.....	Overcast; slight rain from 5 to 8 a.m.
98	97	93	96	...	NbE	NE	0.850	.....	Fog 6 a.m.; rain 2 p.m.; storm from 6 p.m.
99	97	...	...	E	EbS	Calm	0.090	.....	Overcast; showers from 10-30 a.m.
76	81	90	80	Calm	SW	WSW	inapp	.....	Detached clouds a.m.; night overcast.
78	80	81	77	WSW	E	NE	.....	.....	Light clouds dispersed; night clear.
93	79	75	81	NE	NEbE	ENE	0.110	2.5	Rain from 11 p.m.; snow during night.
96	72	94	85	NWbN	WSW	SWbW	.....	0.2	A.m. cloudy; p.m. clear; faint aur. 10 p.m.
81	65	85	73	Calm	SWbW	Calm	.....	.....	Light clouds a.m.; night clear and fine.
83	83	81	73	WNW	...	SWbW	.....	1.2	Light clouds; slight snow during night.
82	80	...	...	Calm	SbE	WNW	.....	2.0	Overcast; slight snow nearly all day.
95	93	93	93	...	E	Calm	.....	1.5	Overcast; slight snow all day.
90	88	77	84	...	WNW	WSW	.....	0.2	Snowing till 11 a.m.; overcast all day.
85	89	77	80	SSE	SbW	WbN	.....	0.7	Stormy day; snow from 8-30 a.m. to 2-45 p.m.
75	81	84	78	W	SbE	E	inapp	.....	Generally clear; slight rain during night.
87	97	93	92	NE	NWbW	Calm	0.400	.....	Gloomy but mild; Showers 2 to 4 p.m.
84	81	87	78	NWbN	ENE	RbN	.....	.....	Generally clear; light clouds dispersed.
80	70	...	...	NbE	...	NEbE	.....	.....	Fine day; a few light clouds p.m.
85	87	60	80	NEbN	...	...	.....	0.4	Overcast; slight snow during night.
69	80	85	79	NE	SSE	SbE	0.600	1.4	Very stormy day; hail sleet, snow and rain
97	90	84	91	SbE	SWbW	Calm	0.335	.....	Raining till 2-45 p.m. Clear from 10 p.m.
87	84	83	83	4.82 m.	6.72 m.	6.03 m.	3.080	61.5	

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

North.	West.	South.	East.
1482.79	1624.72	956.65	1354.94

Mean velocity of the wind—5.81 miles per hour.

Max. velocity—27.2 miles, from 3 to 4 p.m. on 24th.

Most windy day—30th: mean velocity—15.98 m. per hr.

Least windy day—12th: mean velocity—0.7 ditto.

Most windy hour—5 p.m.: mean veloc.—7.32 ditto.

Least windy hour—3 a.m.: do. —4.75 ditto.

Mean diurnal variation—2.57 miles.

Mean velocity on 14th—14.23 miles per hour.

The velocity of wind on 12th (0.07) was the least in five years.

COMPARATIVE STATEMENT.

Year.	TEMPERATURE				RAIN		SNOW		WIND.	
	Mean.	Max.	Min.	Range	Days.	Inches.	Days.	Inches.	Mean velocity.	
1840	33.29	56.8	8.7	48.1	8	1.640	8		No record.	Miles.
1841	27.84	53.4	-6.9	60.5	5	1.170	7	.....		
1842	36.26	68.7	14.9	50.8	4	3.150	8	.....		
1843	21.71	38.6	-2.8	41.6	2	0.625	18	25.7		
1844	31.69	50.3	9.6	40.7	8	2.470	8	14.0		
1845	35.93	61.7	9.9	51.8	5	impr.	8	2.8		5.80
1846	33.73	49.3	7.6	41.7	9	1.965	5	2.3		
1847	26.64	44.5	4.8	39.5	5	0.850	6	4.2		
1848	29.12	58.9	0.9	58.0	5	1.220	6	9.7		
1849	31.93	55.4	15.4	38.0	7	1.525	2	2.3		
1850	29.73	46.5	6.0	40.5	2	0.745	7	11.2		
1851	33.14	59.3	13.1	46.2	3	0.770	9	8.8		
1852	27.79	44.8	-7.4	52.2	8	3.080	12	19.5		

The whole of these values have received final corrections, where necessary, to standard temperatures; and in place of the maximum and minimum temperatures by self-registering thermometers, given heretofore, the highest and lowest temperature is here given from the observations, as less liable to error.

(*) In those cases the registered minimum is retained.