

H.M. Magnetical Observatory, Toronto, C. W.—MAX, 1852.

Elevation above Lake Ontario, 108 feet.

Humidity of Air				WIND			Rain:	WEATHER.
6 A.M.	10	3 P.M.	6 A.M.	4 P.M.	10 P.M.	(inches)		
.97	.84	.84	E	W	W	0 120	Overcast; slight rain nearly all day.	
.82	.77	..	NW b N	SW	N	..	Generally clear, dense clouds round horizon.	
.81	.80	.84	N	N	NNW	..	Unclothed; very fine.	
.52	.52	.67	N b E	S b E	SW b W	..	Unclothed; fine, halo round moon from 10 p.m.	
.79	.43	.84	Calm	SSW	Calm	..	Unclothed; faint auroral light at 10 p.m.	
.72	.11	.67	..	Calm	..	mapp	Unclothed; but slight haze round horizon.	
.71	.56	.78	..	..	SW	mapp	Overcast; drops of rain at 6 p.m.; faint aur. 10 p.m.
.74	.69	.59	SW	SSW	NW b W	..	Rain and large hailstones 2 to 3 p.m.; aur. 9 p.m.	
.67	.50	..	Calm	Calm	N b W	..	Light clouds; faint aur. streamers 9-30 p.m.	
.73	.61	.75	..	SSW	Calm	..	Unclothed, auroral streamers at 9-5 p.m.	
.94	.59	.78	..	E	..	0 055	Overcast; slight rain from from 9-10 p.m.	
.87	.78	.84	NNE	Calm	..	..	Rain 5 to 6 a.m., occasional showers; clear 10 p.m.
.92	.64	.77	Calm	SE b E	ESE	..	Unclothed, very fine day.	
.72	.63	.71	ESE	E b N	NE b E	0 210	A.m. nearly clear, p.m. overcast slight rain 10 p.m.	
.95	.93	.91	E	E	E	0 075	Dense fog; drizzling rain most of the day.	
.81	.78	..	SE b S	SE	E b N	mapp	Overcast; hazy, very dull.	
.94	.61	.61	W b S	W b S	W b N	mapp	Dense clouds, showers 5 to 7 p.m. Aur. 9 p.m.	
.80	.47	.74	..	SE	Calm	..	Hoar frost 5 a.m., day clear, faint aur. 9 p.m.	
.71	.68	.74	..	FSE	W b S	..	Light haze, halo round sun 8 a.m.; aur. 10 p.m.	
.71	.61	.68	W b S	WNW	Calm	mapp	Snow and sleet 9-3 a.m.; bright aur. 8-20 p.m.	
.79	.48	.67	Calm	S b W	..	..	Hoar frost 5 a.m.; fine, faint aur. 9-20 p.m.
.78	.65	.64	..	SE b E	..	..	Light clouds dispersed; fine day.
.78	.65	..	..	Calm	..	..	Light clouds and haze, mostly clear p.m.; fine.
.96	.56	.69	..	S	..	..	Generally clear, fine, faint aur. light 10 p.m.
.70	.65	.72	N	ESE	..	..	Day clear; overcast from 10 p.m.
.57	.39	.70	ENE	E b N	E	0 085	Light clouds and haze dispersed; fine.	
.77	.70	.90	Calm	NNE	Calm	mapp	Overcast till 4 p.m., aurora from 9 p.m.	
.91	.63	.81	..	SE b E	..	..	Unclothed hazy, very fine.
.91	.63	.88	..	S b W	W b N	0 55	Sultry, thunderstorm from 5 to 7 p.m.	
.74	.61	..	NW	S	NNW	..	Unclothed; very fine day.	
.75	.57	.69	NNW	SSE	Calm	..	Light clouds dispersed a.m.; clouded, dull p.m.	
.80	.59	.71	.70	Miles:	Miles:	Miles:	1.125	
				2.28	6.75	3.09		

Sum of the Atmospheric Current in Miles, resolved into the four Cardinal Directions:

North.	West.	South.	East.
791.35	1058.14	881.90	425.75

Mean velocity of the wind—4.00 miles per hour.

Max. velocity—21.0 miles per hour, from 2 to 3 p.m. on 17th.

Most windy day—17th: mean velocity—9.90 miles per hour.

Least windy day—23rd: mean velocity—0.11 ditto.

Most windy hour—2 p.m.: mean velocity—6.75 ditto.

Least windy hour—4 a.m.: do. —1.99 ditto.

Mean diurnal variation—4.78 miles.

COMPARATIVE STATEMENT.

Year	TEMPERATURE				RAIN		SNOW		Wind. Mean velocity.	
	Mean	Max	Min.	Range	Days	Inches	Days	Inches		
1810	53.78	74.5	30.8	43.7	9	1.156	0	No	Miles.	
1811	50.77	76.2	26.0	49.6	11	2.350	1	records		
1812	49.14	71.3	30.0	44.8	7	1.275	0	do		
1813	49.28	79.9	28.9	50.7	5	1.570	0	do		
1814	53.8	77.7	29.0	48.7	14	5.670	0	do		
1815	50.1	76.6	29.1	47.2	8	2.300	0	do		
1816	55.37	78.1	31.3	43.8	9	1.375	0	do		
1817	54.92	72.5	27.8	44.7	12	2.040	0	do		
1818	54.12	78.6	31.9	46.6	13	2.520	8	do		4.93
1819	48.63	72.5	32.7	39.8	16	5.115	8	do		5.33
1820	47.61	76.3	31.1	45.2	7	0.345	1	mapp.		6.32
1831	5.18	73.2	28.7	44.5	12	2.950	1	0.5		6.34
1852	51.67	73.3	34.5	38.8	7	1.125	1	mapp.		4.00
Mean	51.77	75.64	30.41	45.20	10.0	2.768	0-3	5.38		