

H.M. Magnetical Observatory, Toronto, C. W.—JUNE, 1859.

Elevation above Lake Ontario, 108 feet.

Humidity of Air				WIND			Rain. Inches	WEATHER.
6 AM	2 PM	10	Mo	6 A.M.	2 P.M.	10 P.M.		
.85	.67	.81	.71	Calm	Calm	Calm	0.510	Lt clouds, halo r'd m'n at midt, rain dug night
87	55	38	58	Calm	WSW	S b W	0.420	Clear & fine, thunder, lightn'g rain, fm 10-15pm
93	51	60	67	SE b S	W	NW	...	Slight rain till 9 a.m., light clouds during the day
53	47	49	54	N b W	NW b N	NW b N	...	Unclothed, clear and very fine day
68	47	74	61	Calm	S b E	SW b S	...	Unclothed, faint aur light fm 10 p.m.; very fine
80	64	...	...	Calm	S b W	Calm	0.305	Overcast; thun lightn'g, rain 8t-9pm, rn d'g nig't
94	78	88	87	Calm	S	S	...	Clouded till 2 p.m., afterwards mostly clear.
85	78	97	86	Calm	E	N b E	0.35	Overcast, dull & gl'my, rain gm 7pm, & dg night
90	77	84	82	WSW	SSW	N b N	0.625	Overcast, shower at noon, rain gm 10pm all n't
91	70	84	79	S	NW	Calm	0.010	Rain ceased 8am, wind ch'g'd N.W. clear fm 3pm
60	51	84	67	NW	S b E	"	in app	Generally clear, fine, aur. light from 9-10 p.m.
93	69	93	83	Calm	Z b S	"	...	Unclothed from 8 a.m., but rather hazy.
84	75	...	...	NE	E	E b N	...	Clear a.m., light clouds and haze dispersed p.m.
86	73	85	82	Calm	S b E	NE b E	...	Unclothed, hazy round horizon, sultry
93	71	97	84	Calm	SSE	F b S	...	Clouds, hazy, showers 5pm, aur from 9-45 pm.
88	65	84	73	Calm	S b W	Calm	0.107	Light passing clouds, faint aur 9 to 10 p.m.
89	86	90	83	Calm	SE b S	"	0.010	Showers 8 to 9 am, and 1 1/2 to noon; aur 9-30 pm.
84	64	81	71	Calm	SE b S	"	...	Light showers passing, mostly clear, aur. 10 p.m.
81	71	79	76	Calm	E	N b E	...	Generally clear; thunder in NW from 2-30 p.m.
87	64	...	...	Calm	SE	Calm	...	A.m. clear, p.m. light clouds dispersed, fine.
94	64	88	77	Calm	ESE	SSF	in app	Clouded, thunder & lightn'g 10 pm to 1 am.
81	38	81	67	W b S	W	W b N	...	Dense detached clouds dispersed, wind squally.
66	41	74	64	WNW	W b N	SW	...	Light clouds dispersed; fine.
84	91	78	84	Calm	S b E	W b S	0.250	Overcast, raining heavily from 1-3 to 3-30 p.m.
73	41	64	56	NW	NW b N	Calm	...	Mostly clear, a few light clouds dispersed; fine.
85	37	71	62	Calm	SSW	"	...	A few light passing clouds, mostly clear; fine.
77	64	...	...	Calm	SSW	W	...	Overcast, dull, a few clear spaces.
87	66	90	78	N b W	Calm	Calm	...	Unclothed, hazy, very dull at 10pm & midnight
89	85	92	81	Calm	"	"	0.300	Thunder returns. Rain, 1-30 pm, to 12-40 p.m.
97	85	72	84	W b S	S b W	W b N	...	Rain ceased 6-30am, day clear, passing clouds.
.81	.64	.79	.74	Miles:	Miles:	Miles:	3.160	

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

North.	West	South.	East.
805.45	1306.66	1048.91	360.63

Mean velocity of the wind—4.69 miles per hour.  
 Max. velocity—23.6 miles per hour, from 4 to 5 p.m. on 22nd.  
 Most windy day—22nd. mean velocity—12.28 miles per hour.  
 Least windy day—1st. mean velocity—0.36 ditto.  
 Most windy hour—3 p.m. mean velocity—7.18 ditto.  
 Least windy hour—11 p.m.: do. —1.55 ditto.  
 Mean diurnal variation—5.63 miles.

COMPARATIVE STATEMENT.

Year	TEMPERATURE				Days	RAIN Inches	Wind. Mean velocity
	Mean.	Max.	Min.	Range			
1840	59.81	78.5	37.1	41.4	11	4.860	Miles.
1841	65.53	92.8	45.7	47.1	9	1.760	
1842	55.98	73.9	28.1	45.9	15	5.755	
1843	58.44	81.3	28.5	52.8	12	4.595	
1844	59.94	82.8	33.1	49.7	9	3.535	
1845	60.78	83.6	40.9	42.7	11	3.715	
1846	63.17	81.3	41.5	41.8	10	1.920	
1847	58.45	78.3	36.7	41.6	14	2.625	
1848	62.89	92.5	38.3	54.2	8	18.0	4.51
1849	63.30	84.9	45.2	39.7	7	2.020	3.32
1850	64.76	83.2	49.0	34.2	16	3.345	4.74
1851	59.77	79.2	41.2	38.0	11	2.695	4.42
1852	60.88	80.1	41.6	42.5	19	3.160	4.09
Mean	61.09	83.11	39.14	43.97	10.5	3.159	4.18.