Day.	Barometer at Temp. of 32°.				Temperature of the Air.				Tension of Vapour.				Humidity of the Air.				Wind.			Inches of Rain	Weather.
	7 A.M.	3 P.M.	10 P.M.	Mean	7 A.M.	3 P.M.	10P.M	Mean	7A M	3 P.M	10P.M	Mean	7A.M	3P.M	10P.M	Mean	7 A.M.	3 P.M.	10 P. M.		
1,	29.602	29.595	—	—	63.0°	69.4°	—	—	.312	.413	—	—	.55	.59	—	—	N. N. W.	S. by W.	——	—	Clear and unclouded ; very fine
2,	29.790	29.731	29.771	29.766	57.5	66.4	59.2°	60.5	.312	.437	.375	.376	.67	.70	.76	.73	N. by E.	S. S. W.	N N W	—	Mostly clear ; a few passing clds ; fine
3,	29.823	29.839	29.821	29.829	61.0	70.4	55.0	61.5	.381	.517	.353	.419	.73	.72	.83	.78	Calm.	S. S. E.	Calm.	—	A few clouds; hazy ; fine
4,	29.866	29.834	29.805	29.837	60.8	73.0	62.2	63.9	.442	.392	.406	.396	.85	.49	.74	.71	Calm.	S. E.	Calm.	—	Overcast ; light clouds and haze
5,	29.821	29.756	29.706	29.762	60.2	72.5	58.8	63.1	.430	.426	.421	.426	.84	.55	.86	.77	Calm.	S. E. by E.	Calm.	—	Gen clouded ; occasional clear spaces
6,	29.726	29.681	29.681	29.698	62.3	75.2	61.4	65.7	.461	.534	.474	.490	.84	.64	.89	.80	Calm.	S. by E.	Calm.	—	Gen clouded ; occasional clear spaces
7,	29.715	29.678	29.699	29.698	69.0	77.4	64.6	69.6	.604	.647	.540	.583	.88	.71	.91	.85	S. W.	S. by E.	Calm.	—	Gen clouded ; slight shower at 11 am
8,	29.742	29.705	—	—	72.6	77.8	—	—	.617	.588	—	—	.80	.64	—	—	S. E. by E.	Calm.	——	inap.	Unclouded ; hazy ; fine
9,	29.689	29.645	29.633	29.656	70.2	78.8	68.5	71.9	.608	.636	.588	.608	.85	.67	.88	.79	Calm.	E. N. E.	Calm.	—	Mostly clear ; light passing clds ; faint arch of auroral light at 11 pm
10,	29.684	29.653	29.685	29.671	75.5	87.0	71.6	77.1	.686	.791	.665	.701	.80	.64	.88	.78	Calm.	S. E.	Calm.	—	Mostly clear ; light passing clouds
11,	29.735	29.751	29.778	29.755	77.0	87.0	68.6	76.6	.682	.741	.628	.677	.76	.60	.92	.77	Calm.	S. by W.	Calm.	—	Lt clds till noon ; afternoon uncld ; hazy
12,	29.838	29.778	29.704	29.776	76.6	87.8	74.4	78.3	.743	.955	.718	.773	.84	.75	.87	.82	Calm.	S. S. E.	Calm.	—	Clear, save a few light clouds round hor
13,	29.727	29.593	29.6 3	29.641	79.2	87.4	69.4	77.4	.768	1.002	.661	.760	.79	.80	.95	.82	Calm.	S.W.by W	Calm.	—	Gen cld ; th'storm w light & heavy rain from 7 pm till 11 pm
14,	29.715	29.801	29.910	29.807	62.9	67.4	57.0	62.3	.450	.498	.403	.456	.80	.76	.89	.83	N. N. W.	N. by W.	Calm.	1.000	Cloudy am ; pm clear
15,	30.052	29.997	—	—	65.2	67.6	—	—	.496	.488	—	—	.82	.74	—	—	E. by N.	S. by W.	——	—	Am clear ; a few lt detach clds pm ; fine
16,	29.959	29.831	29.746	29.847	59.6	73.2	59.6	63.0	.391	.433	.431	.408	.78	.54	.86	.74	Calm.	S.	Calm.	—	Clear, save a few light clouds round hor
17,	29.723	29.618	29.620	29.654	62.6	76.0	61.6	65.9	.410	.533	.409	.440	.74	.61	.76	.72	Calm.	S.	Calm.	—	Uncld ; hazy round horizon ; very fine
18,	29.644	29.626	29.635	29.631	66.6	78.6	64.8	69.3	.528	.550	.485	.521	.83	.58	.81	.76	Calm.	S. by E.	Calm.	—	Light detached clouds generally
19,	29.686	29.639	29.634	29.652	68.6	84.5	68.4	72.9	.537	.692	.594	.601	.79	.60	.88	.77	Calm.	S. by E.	Calm.	—	Mostly clear ; a few lt passing clds ; fine
20,	29.586	29.445	29.365	29.472	71.6	71.6	67.0	69.4	.621	.705	.625	.650	.83	.94	.97	.93	Calm.	Calm.	Calm.	—	Overcast ; th'storm, light & rain 10 am to 2.30 pm
21,	29.395	29.401	29.491	29.438	66.0	76.0	61.9	66.9	.566	.412	.440	.468	.91	.47	.82	.76	W. by N.	N. by W.	N.W.by W	0.385	Light detached clouds generally
22,	29.625	29.640	—	—	65.7	71.0	—	—	.537	.549	—	—	.87	.74	—	—	N.W.by N	S. by W.	——	—	Gen clear ; a few passing clouds ; fine
23,	29.785	29.794	29.801	29.795	60.2	75.0	58.0	63.6	.365	.401	.414	.394	.72	.48	.88	.72	Calm.	Calm.	Calm.	—	Zen cl ; a few cld rod hor ; aurora 9 pm to 11 pm ; faint ar patches & streamers
24,	29.805	29.762	29.699	29.758	66.5	74.8	68.6	69.7	.465	.510	.505	.492	.73	.61	.74	.70	Calm.	E. by S.	Calm.	—	Mostly clear ; a few passing clouds
25,	29.709	29.621	29.393	29.561	69.8	68.4	66.1	68.3	.568	.587	.608	.581	.81	.87	.98	.87	Calm.	E.	E. S. E.	—	Clouded ; raining from noon till 2.30 am of 26th
26,	29.316	29.468	29.592	29.459	73.7	73.0	66.8	70.8	.747	.559	.543	.611	.93	.71	.85	.84	S. W.	N.W.by W	Calm.	2.030	Generally overcast ; clear spaces pm
27,	29.707	29.741	29.759	29.736	60.0	72.6	54.4	61.7	.341	.354	.341	.353	.67	.45	.82	.68	N. N. W.	W. N. W.	Calm.	—	Detached clouds generally
28,	29.752	29.663	29.611	29.677	59.8	73.6	59.8	63.3	.405	.480	.441	.438	.81	.59	.87	.78	Calm.	S. E.	Calm.	—	Mostly clear ; light detached clouds
29,	29.591	29.540	—	—	71.6	76.9	—	—	.578	.682	—	—	.77	.76	—	—	Calm.	S. E.	——	—	Am clear ; pm overcast dense clouds
30,	29.443	29.422	29.515	29.468	73.0	75.8	68.0	71.6	.658	.710	.457	.605	.83	.82	.69	.79	S. S. E.	S S W	N. N. W.	—	Generally clouded
31,	39.730	29.714	29.753	29.732	57.4	68.9	57.4	59.3	.375	.412	.355	.375	.82	.62	.77	.77	Calm.	S.	Calm.	—	Light clouds detached ; faint aurora 9 to 11 p m ; arch and faint patches
Mean	29.706	29.672	29.670	29.6837	66.5	75.9	63.6	67.82	.521	.574	.495	.523	.80	.65	.85	.78	2.26 miles.	6.94 miles.	1.67 miles.	3.415	11th 3 pm Thermo with blackened bulb on bare soil stood at 145°.

Highest Barometer, 30.052 on 15th, at 9 a.m
Lowest do. 29.309 on 25th, at 11 p.m
Monthly Range 0.743

Highest Temperature, 84°.6 on 13th, 4.45 p.m,
Lowest do .. 47°3, on 23th, at a.m,
Monthly Range 41.3

Mean Max. Therm., 76°.56
Mean Min. do 56°.71
Mean Daily Range, 19°.85

Extreme Daily Range, 29°.7 from pm of 30th to am of 31st

Mean Temperature, at 11 pm, 62,57
Do do at 3 pm, 75.86
Differ., 13.29

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

North	West	South	East
706.64	657.42	1264.26	608.63

Mean velocity of the Wind, 3.52 miles per hour.
Maximum velocity, 18.0 miles from 4 to 5 pm on 14th
Most Windy Day, 14th.—Mean veloc per hour, 6.81 miles
Least do. 9th, " " 1.23
Mean velocity at 1 p m, 7.12
Do do 9 p m, 1.53
Diurnal Variation 5.59 miles per hr.

Year.	Temperature. Mean.	Max.	Min.	Range.	Rain. No. Days.	Inches.	Wind. Winds.	Calms	Mean force.	Snow. Days.	inch
1840, ..	66,30°	82.3°	47,0°	35,3°	6	5.270				0	—
1841, ..	65,50	89.0	39,9	49.1	10	8.150	194	130	0.27	0	—
1842, ..	64.70	91.0	42,5	48.5	4	3.050	388	236	0.33	0	—
1843, ..	64,[illegible]	86.8	38,7	48 1	8	4.605	358	266	0.44	0	—
1844, ..	66.[illegible]	86.6	40,1	46.5	12	2.815	269	379	0.19	0	—
1845, ..	66,[illegible]	95.0	45,7	49.3	7	2.195	328	320	0.30	0	—
1846, ..	68,[illegible]	94.6	41.5	50,1	9	2.895	369	279	0.29	0	—
1847, ..	67.[illegible]	87.0	43.2	43.8	8	3.355	301	347	0.19	0	—
1848, ..	65,37	82.2	44.1	38.1	10	1.890	167	93	0.37	0	—
1849, ..	67,8[illegible]	85.6	47.3	41.3	4	3.415	170	142	0.20	0	—

The means are deduced from six observations daily, viz., 6, am, and 2 and 10 pm, and 7 am, and 3 and 11 pm.
Further explanatory notes will be found at the foot of all the Registers for 1845 and 1846.
No Magnetic Disturbances observed during this month.
Note.—The first case of Asiatic Cholera was reported at Toronto on the 6th July.