Latitude 43 deg. 39 min. N. Longitude, 79 deg. 23.5 min. W. Elevation above Lake Ontario, 100 feet

Day.	Barom. at tem. of 32 deg.				Temperature of the air.				Tension of Vapour.				Humidity of Air.				Wind			Rain in Inches.	Weather.
	6 A. M.	2 P. M.	10P.M.	MEAN	6 A. M	2 P. M.	10 P.M	MEAN	6 A. M	2 P. M.	10P M	MEAN.	6 A. M.	2 P. M	10P M	MEAN.	6 A M.	2 P. M.	10 P M.		
1	30.037	29 976	29.856	29 906	28 4	41 8	38.	40 10	0.181	0.293	0.219	0 217	92	93	91	87	N N W	S E b E	E b N	0.145	Gen. clear; light clouds; rain at nt.
2	29 578	29 348	29 416	29.412	39	47 0	43 1	43 03	.227	.396	.185	.212	90	95	68	8	E b S	E S E	N W	0 125	Rain till noon, clearing up p m.
3	29.37	29.39	29.51	29 4	39	4o 0	33 5	39 07	.225	.143	.141	.170	92	45	74	7	W b S	S E b E	N E	....	Day cloudy., nt.clear; faint aurora
4	29 618	29 683	29 68	29 67	30.6	36.8	32 6	33.31	.148	.161	.105	.132	75	75	89	80	E N E	E N E	N E b N	0.650	O est., r. from 1; light & thun at10
5	29.625	29.35	29 109	29.407	33 1	37 8	42.6	36 44	.171	.221	.260	.198	91	98	97	9	S b W	S W	W	.....	Clouded all day.
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W b S	E S E	N E b N	.....	Light clouds dispersed ; fine.
7	29 824	29 8.0	29.926	29 18	3 .8	42 3	39 7	39 93	.15.	195	.185	.195	88	74	77	8	N N E	S W b S	W b S	0 430	Rain 10 a.m to 4 p m clear 6 to 10
8	29.8	29 0.1	29 4 90	29 316	45 4	51 0	57 0	42 38	.256	.311	.169	.230	86	90	78	8	W b S	S	S W b S	.....	Few passing clouds; very fine day.
9	29 8 0	29 8.4	29 64	29.761	30 3	42.4	44.8	40.13	.134	.171	.217	.180	79	64	74	7	N W b N	N N E	N	.....	Gen. clear ; detached clouds ; fine.
10	29 564	30.08	30 108	30 04	31 2	43 4	33 2	36.49	.15.	.186	.145	.159	78	64	76	7	N W b W	N W b. W	N	.....	O'cst. a m ; clear from 4.
11	30.186	30 26	30 250	30.228	27 8	36 2	29.6	31.8	.115	.139	.110	.124	75	66	66	69	N b E	E	E N E	.....	Zen. clear; few clouds r. horizon
12	30 287	30.194	30 047	30 043	28 4	36 9	32 2	34 22	.107	.139	.142	.135	66	63	78	69	E	E N E	E N E	.....	O est and haze; halo from midnht.
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N b E	N W	N N W	0 050	Clear till noon, rn. 8 p.m ; s. at mt
14	29 607	29.480	29.52.	29 52	33.4	50 6	36 4	40 44	.107	.305	.192	.195	57	85	90	76	N E	S S E	N W b N	0.450	sn. till 2 a m ; v slt. r. from 6 p.m
15	29.538	29.5 1	29 541	29 51.	31 1	41 2	30 8	34 4	.160	.209	.227	.203	91	73	90	8.	N b E	N E b N N W		.....	Overcast all day; very dull.
16	29.482	29 468	29 4 0	29 467	41 7	47.7	48 6	45 37	.249	.243	.221	.245	84	75	66	8	N N E	S E b E	N E	0.005	Generally clear; light clds detach.
17	29 455	29 420	29.441	29 57	43 9	47 8	40.1	43 2	.225	.229	.213	.209	79	71	86	78	N E	E S E	N E b E	0 005	Generally clr ; hazy rou d horizon
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E b N	N E	N b E	0 505	Densly o'est , rain all day & night.
19	29 149	29 081	29.21.	29 210	39.	47.8	40 4	40 1e	194	.185	.239	.219	83	71	97	8.	N b W	N W b W	N W b W	0 020	Slt r. a.m. & from md'nt. till 4 a.m
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N W	N W	N W b W	.....	Lt detached clouds, mostly clear.
21	29.471	29.467	29 76	29 4 8	37 1	47 6	39 6	41 34	.153	.180	.156	.156	72	55	66	61	N W	S	N W b N	.....	Clear, beautiful day.
22	29 539	29.52	29 569	29 56	37 3	47 8	39 6	47 3	.168	.248	.156	.210	76	59		71	Calm	S E	E N E	.....	Clear ; very fine day
23	29 612	29 468	29 421	29 16	37.4	57 3	4 2	48 90	.173	.284	.234	.231	79	62	86	7.	N	E b S	N W	.....	Few light clouds ; clear at night
24	29 305	9 353	29.424	29 361	42 6	51 7	50 6	50 2.	218	.231	.31	.262	89	55	91	7.	N	S b E	W S W	.....	Almost unclouded , very fine day.
28	29 566	29 582	29 58	29 57	41 6	53.9	49 6	49.74	.207	.296	.222	.190	71	49	63	5.	N E	E b N	E b N	inap.	Clouds gen; drops rain at 10 p.m
26	29.692	29 523	29 472	29 513	45 2	49 1	40 4	45 69	.116	.173	.228	.172	39	50	73	5.	E b N	E	N	0.040	Very slt rain, a.m.; o'cast all day.
27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N W	N W b N	N W b N	.....	Mostly clear, ft. aurora at 10 p m.
28	29.61	29 65	9 728	29 68	41.4	51 4	41 9	44 18	.221	.210	.171	.200	85	53	65	7.	N W	S E	E	0 275	Generally clear; raining dur. night
29	29 777	29 69	9 566	29 629	31 6	52 7	42 1	4.72	.174	.226	.21.	.21	88	58	81	7	N W	W	E b S	.....	Light clouds passing , bril. meteor
30	29 437	29 51	9 547	9 51.	41 8	51 1	44	14 32	.275	.228	.172	.207	9.	69	60	7.	S S E	W	E b S	.....	at 12 in N W by N; fall verticay.
M	29 62.	29.58	29.58	29.595	36.80	46.70	40 51	41.67	0.178	0.217	0 199	0.197	80	69	79	7.	miles. 7.13	miles. 10.48	miles. 7.52	2.295	

Highest Barometer.. 30.367, at 8, a m., on 12th } Monthly range
Lowest Barometer .. 29 080, at noon on 19th } 1.227 inch.

Highest temperature. 59 3, at 4, p m , on 23rd } Monthly range:
Lowest temperatu e.. 25.8, at 4, a. m., on 11th } 33.5

Mean Max. Therm.. 47 47 } Mean daily range, 12.87.
Mean Min. Therm .. 34.41 }

Greatest daily range.. 21.6, from 4, p m. of 28th to a. m. of 29th.

Warmest d y .. 24th .. Mean temperature 50.22 } Diff. 18.41
Coldest day.... 11th . Do. 31.81 }

Warmest observed hour . 2, p.m Mean temperature . 46.70

Coldest observed hour . 6, a.m. Do. 36 86

Mean diurnal variation.. 9.84.

SUM OF THE ATMOSPHERIC CURRENT *in miles, resolved into the four Cardinal directions :*

North.	West.	South.	East.
2535.57	1730.59	793.64	2235.13

Mean Velocity of the wind—8,07 miles per hour.
Maximum velocity—22.4 miles, fr. 1 to 2 p. m., on 3rd
Most windy day—19th : mean velocity—14.73 m. p. hr.
Least windy day—23rd : ditto — 2.99 ditto
Most windy hour—noon : mean veloc.—10.49 m. p. h.
Least windy hour—3 a. m. : do. — 5.58 do
Mean diurnal variation—4.71 miles.

Year.	Temperature.				Rain.		Snow.	
	MEAN	MAX.	MIN.	RANGE	DAYS.	INCHES	DAYS.	INCHES
1840	42.70	68.7	22.8	45 9	14	3.446	2	
1841	39.40	64.8	19 9	44 9	3	1 370	3	
1842	43.40	89.8	20.1	69.7	8	3.740	2	
1843	41 99	71.6	14.7	56.9	7	3.185	3	0.1
1844	48.11	74.6	14 9	59.7	10	1.515	1	inapp.
1845	42.13	66'7	15.5	51.2	11	3.290	4	1 5
1846	44.11	81.8	24 2	57.6	10	1.300	2	1.3
1847	39.06	65.1	9.3	55.8	8	2 870	2	4 0
1848	40.67	65.1	22.7	42.4	5	1.455	1	0.5
1849	38.74	72.0	15.5	56.5	10	2.655	2	1.7
1850	38 30	65.7	18.0	47.7	7	4.720	2	1 1
1851	41.67	59.3	25.8	33.5	11	2.295	3	1.2