MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY, TORONTO, CANADA WEST,—OCTOBER, 1862.

Latitude—43 deg. 39.4 min. North. Longitude—5 h. 17 min. 33 sec. West. Elevation above Lake Ontario, 108 feet.

Day	Barom. at temp. of 32°. 6 A.M.	2 P.M.	10 P.M.	MEAN.	Temp. of the Air. 6 A.M.	2 P.M.	10 PM	ME'N	Excess of mean above Normal.	Tens. of Vapour. 6 A.M.	2 P.M.	10 P.M.	M'N	Humidity of Air. 6 A.M.	2 P.M.	10 P.M.	M'N	Direction of Wind. 6 A.M.	2 P.M.	10 P. M	Resultant Direction.	Velocity of Wind. 6 A.M	2 P.M	10 PM	Result.	ME'N	Rain in Inches.	Snow in Inches.
1	29.758	29.748	29.737	29.7472	44.6	52.2	54.7	50.27	— 0.15	.264	.358	.403	.338	.90	.92	.94	.92	N E	E	E	N 60 E	10.5	6.4	6.2	5.59	5.83	0.085	...
2	.682	.614	.701	.6667	53.6	61.8	59.4	58.47	+ 8.53	.406	.504	.498	.473	.99	.91	.98	.96	N b E	S b W	Calm.	S 53 E	0.5	0.4	0.0	0.28	0.65	0.087	...
3	.735	.652	.572	.6453	58.7	61.9	60.9	60.80	+11.27	.480	.542	.523	.521	.97	.98	.99	.97	S E b E	E b N	E b S	N 78 E	1.0	6.4	2.0	3.48	3.53	0.565	...
4	.414	.337	.680	.4992	60.5	72.0	52.9	61.03	+12.00	.521	.500	.235	.400	.99	.63	.58	.72	E b S	W	N W b W	N 86 W	1.5	27.0	27.0	15.05	17.21	0.072	...
5	.918	.950	—	—	42.5	58.3	—	—	—	.218	.333	—	—	.80	.68	—	—	N W b W	N N W	Calm.	N 23 W	1.8	7.0	0.0	3.70	3.88	...	...
6	.797	.572	.363	.5535	43.5	58.3	60.5	54.63	+ 6.42	.231	.390	.442	.370	.82	.80	.84	.85	Calm.	S	S W b W	S 23 W	0.0	3.2	4.2	4.11	4.76	0.185	...
7	.414	.390	.363	.3917	62.3	73.5	67.0	67.55	+19.70	.536	.671	.566	.593	.95	.81	.85	.88	S W b S	S W b S	S W	S 41 W	10.5	11.2	5.5	6.31	6.32	Inp.	...
8	.416	.373	.331	.3937	65.9	76.0	68.4	69.38	+21.93	.488	.605	.618	.554	.76	.67	.89	.77	S W b S	S W	S W	S 52 W	6.2	15.2	13.2	8.27	10.89	0.175	...
9	.605	.735	.816	.7363	55.8	57.2	52.9	54.95	+ 7.88	.377	.337	.338	.339	.85	.71	.84	.78	N W b N	N N W	N b E	N 7 W	0.5	2.8	4.0	3.08	3.29	0.630	...
10	.779	.569	.568	.6338	50.4	51.8	45.0	48.42	+ 1.75	.238	.290	.258	.292	.78	.75	.96	.86	N N E	N N E	N	N 1 E	5.5	10.8	9.0	8.95	9.53	0.270	...
11	.699	.740	.776	.7502	44.3	53.6	42.5	46.15	— 0.10	.239	.297	.190	.242	.82	.72	.70	.76	N N W	N b W	N N W	N 20 W	6.8	2.5	4.0	5.49	5.58	0.050	...
12	.810	.741	—	—	36.3	52.6	—	—	—	.176	.259	—	—	.82	.65	—	—	N	E b S	E b S	N 73 E	4.5	4.5	4.0	3.00	3.81	...	...
13	.619	.561	.533	.5758	42.5	57.6	50.0	50.10	+ 4.53	.244	.353	.324	.310	.89	.74	.89	.85	N b E	S E b S	Calm.	N 79 E	5.0	2.2	0.0	0.43	1.30	...	...
14	.601	.633	.796	.6910	41.4	55.8	42.1	46.02	+ 0.75	.250	.322	.223	.259	.95	.72	.83	.83	N W	N W b N	N N W	N 25 W	1.0	13.8	4.5	8.01	8 34	...	...
15	.902	.861	.724	.8213	36.0	41.0	39.9	38.92	— 5.93	.172	.193	.211	.191	.81	.75	.86	.81	N E	N E	N b E	N 63 E	4.0	2.5	2.4	2.66	3.43	...	...
16	.577	.448	.428	.4817	45.0	48.2	47.9	47.03	+ 2.50	.278	.307	.311	.299	.94	.91	.93	.90	S E b E	S W	W S W	S 44 W	5.0	3.0	1.0	2.50	3.92	0.055	...
17	.537	.667	.848	.7038	41.4	53.3	41.7	44.93	+ 0.75	.232	.240	.210	.219	.89	.58	.70	.74	W b N	W N W	N W b N	N 65 W	6.0	11.8	2.0	4.70	4.78	...	...
18	.922	.799	.651	.7882	34.5	57.2	49.7	47.70	+ 3.67	.181	.303	.298	.265	.90	.64	.84	.79	Calm.	S b W	Calm.	S 25 W	0.0	9.6	0.0	5.08	5.35	...	...
19	.481	.490	—	—	49.3	52.2	—	—	—	.323	.203	—	—	.91	.50	—	—	W S W	W N W	N W	N 61 W	8.8	17.0	15.5	13.03	13.76	0.025	...
20	.758	.675	.454	.6150	30.2	45.0	49.0	42.78	— 0.78	.149	.221	.256	.213	.89	.74	.74	.76	N W b N	S S W	S	S 21 W	1.0	7.5	10.5	8.79	9.69	...	...
21	.194	.101	.047	.1168	51.8	50.4	46.4	48.77	+ 5.52	.290	.340	.298	.302	.75	.93	.94	.87	S S W	S S W	S b W	S 56 W	13.0	5.5	1.0	6.61	7 40	0.635	...
22	.125	.295	.551	.3430	42.1	46.8	40.7	42 77	— 0.20	.204	.180	.231	.206	.76	.55	.91	.76	W b S	W N W	W N W	N 67 W	13.8	25.8	10.5	16.22	16.57	Inp.	...
23	.773	.910	.866	.8530	35.2	43.2	36.3	38.23	— 4.52	.190	.198	.193	.192	.93	.70	.90	.83	N b W	W N W	Calm.	S 83 W	0.5	14.5	0.0	2.32	4.80	0.040	...
24	.736	.555	.703	.6628	45.0	52.6	46.4	47.45	+ 4.95	.230	.310	.249	.253	.77	.78	.79	.77	S	S W b S	N W b W	S 79 W	10.0	13.8	16.8	3.25	11.67	0.100	...
25	.884	.973	30 039	.9735	37.0	38.5	32.0	35.37	— 6.92	.183	.173	.166	.175	.84	.74	.91	.35	W N W	N	N	N 11 W	6.5	7.4	6.2	5.61	6.50	..	Inp.
26	.918	.775	—	—	30 9	31.3	—	—	—	.164	.160	—	—	.95	.99	—	—	N E b N	N b E	N b E	N 14 E	8.8	6.6	4.0	5.11	5.57	...	0.5
27	.528	.486	29.586	.5402	27.0	42.1	32.7	34.77	— 7.02	.136	.179	.172	.167	.93	.66	.92	.83	N W b N	W N W	Calm.	N 47 W	1.0	12.0	0.0	3.69	3.82	...	...
28	.655	.640	.654	.6478	32.7	45.4	41.4	40.43	— 1.05	.172	.234	.232	.216	.92	.77	.83	.86	Calm.	S E b E	W b S	S 14 E	0.0	0.5	1 0	3.01	3.29	0.315	...
29	.571	.654	.818	.7022	43.5	47.0	36.7	42.13	+ 0.57	.268	.223	.188	.223	.95	.68	.86	.83	S W b S	W	W b N	N 88 W	1.8	12.2	4.0	7.29	7.33	Inp.	...
30	.813	.557	.577	.6472	35 6	52.2	45.4	44.75	+ 3.80	.193	.275	.234	.235	.93	.70	.77	.79	N W	S	S W	S 24 W	0.5	4 4	1.0	2.09	3.70	Inp.	...
31	.607	.451	.518	.5188	41.7	57.6	51.8	51 17	+10.42	.228	.332	.249	.269	.86	.69	.64	.71	Calm.	S W b S	S W b W	S 42 W	0.0	13.5	5.8	6.19	6.42	...	...
M	29.6334	29.5924	29.6206	29.6188	44.53	53.79	47.94	48.70	+ 3.66	.275	.329	.302	.300	.88	.75	.85	.82	.....	.....	.....	.....	4.39	9.06	5.33	.....	6.53	2.684	0.5