MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY, TORONTO, CANADA WEST,—MAY, 1864.

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

Day.	Barom. at temp. of 32°.				Temp. of the Air.				Excess of mean above Normal.	Tens. of Vapour.				Humidity of Air.				Direction of Wind.			Result. Direction.	Velocity of Wind.					Rain in inches.	Snow in inches.
	6 A.M.	2 P.M.	10 P.M.	Mean.	6 A.M	2 P.M	10 P.M	M'N		6 A.M	2 P.M.	10 P.M.	M'N	6 A.M	2 P.M.	10 P.M.	M'N	6 A. M.	2 P. M.	10 P.M.		6 AM.	2 PM.	10 P.M.	Result.	M'N		
					°	°	°	°	°												°							
1	29.450	29.239	—	—	40.3	53.6	—	—	—	.236	.227	—	—	.95	.54	—	—	w b N	sw b w	N w b w	S 78 W	3.0	7.0	0.2	3.84	4.93	Inp.	...
2	.332	.166	29.197	29.2325	41.7	51.1	38.1	42.75	— 3.97	.218	.247	.213	.222	.82	.65	.93	.81	s w b w	E N E	w b s	N 11 w	1.0	17.0	8.2	3.34	7.65	0 310	...
3	.192	.280	.463	.3262	35.3	41.0	44.6	40.85	— 6.20	.189	.237	.245	.230	.92	.92	.83	.89	E b N	s w b s	N W	N 43 W	5.5	6.5	16.0	4.92	6.93	.300	...
4	.609	.647	.708	.6628	41.0	61.6	45.0	49.68	+ 2.27	.218	.256	.221	.246	.85	46	.74	.71	w b N	w b N	w s w	N 75 W	3.5	11.8	2.5	6.29	7.25	..	...
5	.771	.686	.611	.6862	44.3	62.3	55.8	54.43	+ 6.70	.230	.324	.280	.285	.79	.58	.62	.67	Calm.	s s w	s w	S 30 W	0.0	14.5	8.5	6.39	6.50	...	...
6	.554	.489	.658	.5707	51.8	66.3	48.6	55.03	+ 7.90	.310	.419	.292	.344	.80	.64	.85	.77	Calm.	s w b s	N b W	N 48 W	0.0	8.2	4.0	2.94	6.81	.090	...
7	.633	.541	.500	.5532	43.5	43.5	44.3	43.88	— 4.53	.259	.259	.278	.265	.92	.92	.95	.93	E b S	E N E	E	N 83 E	5.0	7.0	0.5	3 04	3.08	.200	...
8	.469	.401	—	—	43.5	56.2	—	—	—	.268	.406	—	—	.95	.90	—	—	E	E b S	Calm.	S 48 E	0.8	1.5	0.0	0.75	0.82	.258	...
9	.383	.296	.236	.2903	50.4	66.3	53.3	57.55	+ 8.38	.351	.407	.355	.383	.96	.62	.87	.81	Calm.	s w b s	Calm.	S 26 W	0.0	10.0	0.0	3.35	3.47	.225	...
10	.225	.315	.567	.3823	52.2	42.5	36.7	42.55	— 6.95	.381	.263	.155	.251	.97	.67	.71	.88	N E	N N W	N b W	N 18 W	6.5	22.0	6.0	11.94	12.20	.620	...
11	.616	.570	.555	.5747	36.3	39.2	40.7	39.58	—10.32	.157	.138	.204	.169	.74	.57	.80	.69	E N E	Calm.	E S E	N 75 E	6.5	0.0	1.2	1.80	1.93	...	...
12	.535	.523	.531	.5280	38 8	51.5	42.1	45.22	— 4.95	.195	.174	.223	.203	.82	.45	.83	.69	Calm.	S S E	E N E	S 40 E	0.0	2.5	3.5	1.79	2.85	.095	...
13	.528	.469	.457	.4833	44.3	54.0	52.6	50.47	— 0.10	.178	.379	.321	.328	.95	.91	.80	.89	N E b N	N b E	N	N 8 E	2.8	15.8	14.0	9.37	9.53	.445	...
14	.485	.439	.545	.5108	51.1	57.6	54.7	54.78	+ 3.90	.362	.446	.392	.396	.96	.94	91	.92	N	E N E	E b N	N 69 E	9.0	16.5	12.2	10.13	10.57	.027	...
15	.591	.624	—	—	53.6	64.1	—	—	—	.373	.398	—	—	.91	.66	—	—	E b N	E N E	N E b N	N 66 E	12.4	12.5	7.0	9.14	9.31	.515	...
16	.627	.602	.486	.6055	56.9	66.6	60.9	61.10	+ 9.52	.431	.479	.441	.454	.93	.73	.82	.84	E	E b S	Calm.	N 80 E	9.5	6.8	0.0	3.43	3.64	Inp.	..
17	.556	.514	.507	.5252	61.2	69.5	65.6	66.03	+14.05	.446	.533	.453	.473	.83	.74	.71	.74	N N W	Calm.	E	N 17 E	1.8	0.0	0.8	2.30	3.75	...	...
18	.547	.536	.520	.5353	57.6	64.1	59.0	61.50	+ 9.22	.399	.291	.292	.333	.84	.48	.57	.61	N	S	N W b N	N 77 E	8.0	3.2	2.8	1.56	3.28	...	...
19	.568	.584	.556	.5700	54.7	65.2	55.4	59.05	+ 6.43	.263	.334	.295	.287	.60	.53	.67	.57	E E b E	S b W	Calm.	S 80 E	2.4	2.8	0.0	1.67	2.03	...	...
20	.562	.438	.352	.4452	52.2	67.0	60.9	60.82	+ 7.80	.365	.285	.436	.384	.78	.58	.81	.72	N b E	S b W	W S W	S 89 W	1.0	8.4	3.2	4.21	5.81	...	...
21	.334	.275	.308	.3057	63.4	72.0	64.8	67.23	+13.92	.445	.500	.445	.468	.76	.63	.72	.70	N W b W	N W b N	N W	N 52 W	1.0	12.5	12.0	7.85	9.27	Inp.	...
22	.446	.531	—	—	56.2	65.9	—	—	—	.360	.290	—	—	.80	.45	—	—	N N W	N N W	S E b S	N 4 W	5 0	7.5	1 0	2.52	4.06	...	...
23	.536	.377	.322	.4017	49.0	59 4	54.0	55.00	+ 1.03	.297	.297	.325	.312	.85	.58	.78	.72	Calm.	E	E N E	N 84 E	0.0	9.8	1.2	3.67	4.11	...	...
24	.356	.346	.376	.3593	54.0	69.5	63.0	63.02	+ 8.73	.367	.532	.487	.470	.88	.74	.85	.81	S E b S	S b W	N E b N	S 39 W	1.5	8 0	4.2	1.55	5.48	.335	...
25	.372	.406	.430	.3987	59.8	65.5	56.2	60.80	+ 6.12	.492	.506	.417	.467	.96	.80	.93	.88	N N E	S E b S	Calm.	S 76 E	2.8	1.4	0 0	1.02	1.22	...	...
26	.406	.312	.274	.3225	58.7	64.1	63.4	61.70	+ 6.72	.467	.512	.444	.464	.95	.85	.76	.84	E N E	S E b S	N W b N	N 24 W	1.5	1.8	5.5	3.04	4.41	.010	...
27	.279	.346	.488	.3828	60.1	73.3	55.4	62.78	+ 7.50	.414	.252	.285	.300	.79	.30	.64	.54	N E b N	N W	N W b W	N 24 W	12.8	19.5	9.2	12.19	12.64	...	...
28	.630	.689	.718	.6848	48.6	56.5	45.7	50.57	— 5 08	.201	.175	.211	.193	.58	.38	.68	.53	N N W	N W b N	Calm.	N 22 W	14.8	15.5	0.0	8.91	9.36	...	...
29	.607	.495	—	—	46.8	49.7	—	—	—	.206	.328	—	—	.64	.91	—	—	Calm.	s b w	Calm.	S 32 W	0.0	9.5	0.0	3 82	4.18	.010	...
30	.495	.460	.334	.4335	51.5	60.1	54.4	54.97	— 1.28	.294	.366	.341	.327	.77	.70	80	.75	N W b W	E b S	S W	S 80 E	2 5	7.0	1.3	3.20	3.96	..	...
31	.434	.486	597	.5053	60.5	73.8	55.5	62.90	+ 6.35	.408	.409	.404	.402	.77	.49	.92	.72	Calm.	S E	N	N 11 W	0.0	2.2	2.5	1.43	3.72	.580	...
M	29.4833	29.4558	29 4761	29.4721	50.73	60.13	52.72	54.81	+ 3.33	.322	.351	.325	.333	.81	.66	.79	.75	.....	.....	.....	.....	3.89	8.60	4.11	.....	5.64	4.070	0.0