MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY, TORONTO, CANADA WEST.—JULY, 1863.

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°.				Temp. of the Air.				Excess of mean above Normal.	Tens. of Vapour.				Humidity of Air.				Direction of Wind.			Resultant Direction.	Velocity of Wind.					Rain in Inches.	Snow in Inches.
	8 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 A.M.	2 P.M.	10 P.M.	Result.	M'N		
					°	°	°	°	°																			
1	29.555	29.581	29.599	29.5767	71.7	82.1	70.2	75.12	+10.35	.661	.783	.580	.672	.86	.71	.78	.77	Calm.	S S E	N E	S 19 E	0.0	5.8	2.5	0.11	2.92	0.275	...
2	.610	.629	.619	.6220	68.1	75.3	69.5	71.27	+ 6.27	.637	.723	.661	.607	.93	.83	.92	.88	S b W	E b N	N	N 80 E	2.5	4.5	2.0	2.17	2.56	.005	...
3	.699	.695	.667	.6858	68 1	77.8	69.9	71.73	+ 6.58	.650	.723	.642	.661	.95	.75	.88	.85	Calm.	S E b S	S S E	S 67 E	0.0	2.2	0.5	0.93	1.43	...	...
4	.671	.620	.607	.6285	68.1	78.2	69.9	72.17	+ 6.87	.637	.635	.612	.648	.93	.71	.84	.82	Calm.	S b W	N	S 48 W	0.0	9.4	4.5	1.47	4.15	...	...
5	.601	.561	—	—	67.0	77.8	—	—	—	.596	.629	—	—	.86	.66	—	—	N N W	S	N b E	N 32 E	1.5	5.0	3.5	0.90	3.79	...	...
6	.585	.566	.554	.5643	67.3	75.7	70.6	71.80	+ 6.20	.562	.623	.589	.594	.84	.70	.79	.76	N	E b S	N E b E	N 83 E	9.5	9.0	1.8	3.01	3.62	...	..
7	.593	.552	.536	.5557	69.9	76.0	70.6	73.12	+ 7.42	.584	.664	.632	.620	.79	.74	.84	.77	N N E	E b S	Calm.	S 68 E	0.5	1.8	0.0	1.49	2.02	.290	...
8	.509	.433	.441	.4582	68.1	79.6	76.4	73.67	+ 7.88	.622	.732	.555	.637	.91	.72	.60	.77	S W b W	S W b S	N b W	S 74 W	2.0	5.8	2.2	0.90	3.22	.075	...
9	.441	.420	.448	.4367	67.7	77.1	68.4	71.08	+ 5.10	.585	.685	.507	.596	.87	.73	.74	.79	N b W	S S E	Calm.	S 55 E	4.5	3.0	0.0	0.31	1.34	...	...
10	.462	.446	.450	.4470	66.6	77.5	67 0	70.78	+ 4.70	.599	.693	.608	.633	.91	.70	.92	.84	N b E	Calm.	Calm.	S 51 E	1.0	0.0	0.0	0.10	0.18	...	...
11	.473	.464	.613	.5270	67.4	77.1	63.4	69.40	+ 3.22	.632	.685	.457	.591	.95	.73	.78	.82	Calm.	S W b S	N	N 33 W	0.0	9.5	14.2	4.86	7.80	Inp.	...
12	.769	.803	—	—	56.5	65.2	—	—	—	.368	.408	—	—	.80	.65	—	—	N N E	S E	S E b S	N 37 E	1.5	6.5	1.0	3.20	4.20	...	...
13	.633	.626	.564	.6217	60.5	64.8	61.6	62.05	— 4.33	.382	.503	.507	.468	.73	.81	.92	.83	N b E	E N E	N E	N 43 E	4.5	1.5	2.0	2.23	2.38	.645	...
14	.486	.471	.495	.4837	61.9	69.1	66.3	66.30	— 0.12	.512	.609	.590	.580	.98	.86	.91	.90	N b W	S S W	S E b S	S 87 W	3.0	2.4	3.0	1.09	2.33	.010	...
15	.538	.551	.550	.5848	63.0	74.6	60.1	66.73	+ 0.25	.450	.603	.425	.495	.78	.69	.81	.75	Calm.	S S E	W N W	S 79 W	0.0	9.0	7.6	2.89	6.48	.020	...
16	.722	.787	.867	.7975	53.3	62.7	52.9	56.55	—10.03	.344	.320	.306	.313	.84	.56	.76	.68	W N W	N N W	N N W	N 49 W	7.5	13.2	4.5	8.03	9.19	...	...
17	.890	.876	.871	.8807	49.3	61.1	54.4	56.52	—10.17	.260	.372	.308	.320	.74	.62	.73	.70	N	S b E	Calm.	N 89 E	5.5	5.5	0.0	1.07	2.87	...	...
18	.891	.865	.845	.8678	54.7	68.1	56.9	61.05	— 5.63	.358	.445	.341	.369	.84	.65	.73	.69	Calm.	S by W	Calm.	S 40 E	0.0	5.8	0.0	1.01	3.43	...	...
19	.859	.819	—	—	59.9	69.5	—	—	—	.319	.325	—	—	.68	.45	—	—	N b E	S E	Calm.	S 48 E	2.2	5.0	0.0	1.50	1.85	...	...
20	.640	.502	.460	.5297	62.3	94.8	61.9	62.83	— 3.93	.497	.476	.503	.501	.88	.77	.90	.87	E b N	E b N	N E b E	N 50 E	2.8	10.5	6.0	8.20	9.72	1.665	...
21	.526	.594	.638	.5902	61.6	68.8	57.6	62.77	— 4.00	.428	.436	.342	.399	.78	.62	.72	.70	N	N W b N	N b W	N 18 W	16.0	13.0	4.4	10.22	10.39	...	...
22	.684	.668	.665	.6695	57.6	71.3	61.9	64.53	— 2.33	.353	.416	.401	.390	.74	.55	.72	.65	N W b N	S S W	S S W	S 23 W	3.8	7.5	1.8	2.71	3.13	...	...
23	.682	.628	.599	.6273	60.5	71.7	62.3	66.03	— 0.85	.434	.476	.522	.478	.82	.61	.93	.76	N N E	S E b S	Calm.	S 73 E	3.5	5.6	0.0	1.71	2.21	.008	...
24	.580	.607	.622	.6015	64.1	76.0	71.3	71.48	+ 4.02	.598	.639	.536	.581	.96	.71	.70	.70	Calm.	S S W	N N E	N 77 W	0.0	3.0	3.5	0.34	2.01	.015	...
25	.613	.493	.418	.4935	65.2	66.6	65.2	65.60	— 1.37	.510	.572	.536	.540	.82	.88	.87	.86	N N E	N E b E	N E b E	N 61 E	4.5	9.0	1.0	3.58	4.18	.345	...
26	.390	.395	—	—	64.1	74.9	—	—	—	.524	.713	—	—	.87	.83	—	—	N W b N	S	W	S 53 W	2.2	3.2	1.5	2.39	3.11	.030	...
27	.413	.465	.581	.4908	65.2	73.5	60.5	66.52	— 0.47	.523	.375	.382	.424	.85	.45	.73	.67	W	W b S	N W b W	S 88 W	1.8	14.8	4.4	6.40	6.77	...	...
28	.639	.645	.657	.6403	58.3	74.6	64.8	66.75	— 0.22	.401	.563	.515	.502	.83	.65	.84	.77	Calm.	S S W	S W b S	S 10 W	0.0	10.8	1.5	3.93	4.51	...	...
29	.675	.602	.607	.6205	63.7	75.7	65.9	69.40	+ 2.45	.517	.543	.500	.535	.87	.62	.78	.75	N E	S E b S	Calm.	S 9 E	0.8	5.5	0.0	1.82	3.03	...	...
30	.578	.556	.555	.5590	64 1	70.8	65.9	67.62	+ 0.07	.512	.658	.593	.592	.85	.83	.93	.87	N N E	W S W	Calm.	S 59 E	0.5	1.5	0.0	0.66	0.91	.025	...
31	.570	.546	.499	.5413	66.6	78.0	70.6	71.55	+ 4.60	.572	.664	.616	.624	.88	.74	.83	.81	E b N	S S E	S S W	S 33 W	2.0	7.4	4.8	4.38	4.72	Inp.	...
M	29.606	29.538	29.597	29.5983	63.51	72.95	65.04	67.57	+ 1.32	.511	.579	.510	.535	.85	.70	.81	.78					2.37	6.35	2.52		3.89	3.408	