MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY TORONTO, CANADA WEST—JANUARY, 1861.

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 Average	Tens. of Vapour.				Humidity of Air.				Direction of Wind.			Resultant 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	10PM	ME'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	10PM	Resul't.	ME'N		
1	29.768	29.807	29.763	29.7815	25.5°	29.8°	27.7°	27.60°	+ 2.38°	.104	.096	.128	.109	.75	.58	.84	.72	S W	SW bW	W S W	S 62° W	24.0	8.0	6.5	8.80	8.88	...	...
2	.716	.710	.686	.7080	26.2	32.0	28.0	28.75	+ 3.55	.124	.158	.139	.140	.87	.87	.90	.88	S W bW	SW bW	N	N 29 W	3.5	6.5	8.0	2.45	7.03	...	...
3	.678	.619	.617	.6350	16.9	17.6	11.1	15.12	—10.03	.084	.076	.063	.075	.90	.79	.87	.86	N	N N W	N N W	N 17 W	7.8	9.5	6.2	8.15	8.33	...	Inp.
4	.663	.715	.709	.7027	11.4	18.8	21.9	17.17	— 7.97	.068	.081	.105	.081	.94	.79	.89	.84	N W bN	W N W	SW bW	S 71 W	5.5	7.0	12.5	9.91	11.13	...	Inp.
5	.846	.825	.871	.8543	14.0	19.4	23.0	19.08	— 6.05	.074	.080	.106	.089	.91	.77	.86	.85	S W bW	SW bW	W S W	S 66 W	15.2	13.0	11.4	9.68	9.96	...	Inp.
6	.880	.711	—	—	21.9	28.4	—	—	—	.105	.134	—	—	.89	.86	—	—	W b S	S E b S	N E	S 81 E	1.5	7.0	5.0	3.74	5.35	...	1.0
7	.846	.301	.565	.4170	20.1	23.0	17.2	23.00	— 2.13	.148	.120	.087	.118	.92	.97	.91	.94	E b N	N E b N	N N W	N 21 E	9.5	8.5	3.5	5.66	7.63	0.050	3.0
8	.675	.719	.733	.7165	19.0	23.7	21.9	21.42	— 3.72	.098	.112	.105	.103	.95	.87	.89	.90	N N W	NWb N	NWb N	N 12 W	2.0	3.5	1.5	3.03	3.20	...	0.5
9	.604	.405	.285	.4185	19.7	24.4	22.6	22.43	— 2.70	.096	.110	.111	.107	.91	.84	.99	.89	N N E	N E	NWb N	N 12 E	7.5	5.5	3.6	3.89	6.21	...	0.1
10	.203	.377	.713	.4553	22.3	15.8	0.6	11.63	—13.42	.116	.065	.040	.071	.96	.74	.88	.87	W S W	NWb N	W	N 47 W	6.5	26.0	5.5	12.42	13.83	...	Inp.
11	.731	.568	.500	.6010	—4.4	1.5	3.9	0.12	—24.93	.033	.046	.051	.043	.90	.97	.97	.94	N N E	NE b N	N N E	N 18 E	6.0	16.2	13.8	11.87	12.71	...	4.0
12	.057	.934	30.059	.9045	—1.9	—3.4	—6.6	—4.15	—29.23	.039	.030	.026	.032	.97	.83	.80	.89	N	N N W	N N W	N 16 W	13.0	7.5	7.6	7.16	7.25	...	...
13	30.125	30.079	—	—	—1.2	14.0	—	—	—	.039	.074	—	—	.94	.90	—	—	N b W	S b E	N E b N	N 64 E	7.2	5.0	6.5	1.93	4.78	...	Inp.
14	29.830	29.632	23.669	.7180	12.2	27.3	26.2	22.67	— 2.43	.069	.126	.139	.113	.89	.84	.98	.90	N N E	E N E	N N E	N 38 E	9.0	7.5	7.8	5.86	6.55	...	Inp.
15	.646	.567	.478	.5512	26.2	28.4	27.7	27.38	+ 2.28	.139	.134	.142	.140	.98	.86	.94	.94	N N E	E N E	E N E	N 63 E	7.2	14.2	13.0	13.75	13.86	0.140	Inp.
16	.132	.022	.203	.1162	29.8	33.8	34.2	32.53	+ 7.53	.162	.190	.196	.181	.98	.98	.99	.98	E N E	N b W	S b W	S 10 E	22.0	7.8	13.2	1.23	11.19	0.475	Inp.
17	.566	.710	.842	.7027	29.5	26.2	24.8	26.60	+ 1.58	.150	.124	.120	.128	.92	.87	.90	.88	W b N	W b N	N W	N 49 W	11.0	9.8	4.0	6.29	7.53	...	Inp.
18	.744	.364	.204	.4153	28.0	28.0	28.4	28.02	+ 3.05	.139	.146	.148	.145	.90	.95	.95	.94	E b N	NE b N	N N W	N 39 E	11.0	14.5	0.5	4.41	12.37	...	3.0
19	.282	.352	.416	.3595	32.0	31.6	27.3	29.88	+ 5.00	.166	.156	.118	.147	.91	.87	.79	.87	S S W	S b W	S S W	S 16 W	16.6	14.5	17.5	16.31	16.42	...	0.1
20	.491	.631	—	—	21.9	22.6	—	—	—	.113	.107	—	—	.96	.87	—	—	W b N	W S W	W b N	N 85 W	14.5	8.5	12.0	7.55	7.62	...	0.1
21	.818	.941	30.075	.9563	7.1	20.8	10.7	12.45	—12.83	.053	.083	.059	.066	.88	.75	.82	.85	W	SW bW	W	S 73 W	3.5	13.8	2.0	5.21	5.44	...	...
22	30.199	30.279	30.316	30.2722	—0.1	15.4	7.8	7.47	—17.30	.037	.077	.056	.055	.85	.87	.91	.86	W	W	W	N 70 W	2.0	0.5	5.4	2.60	2.73	..	...
23	30.324	30.223	30.041	30.1757	10.0	24.6	27.7	21.52	— 3.15	.059	.094	.135	.100	.87	.71	.89	.83	—	—	E b S	—	7.6	16.0	17.5	—	14.40	...	1.0
24	29.725	29.422	29.452	29.5305	28.0	32.4	32.4	30.38	+ 5.82	.146	.184	.169	.161	.95	.100	.91	.95	E b S	E b S	SW bW	S 5 W	18.2	10.5	19.5	5.06	15.37	0.020	6.0
25	.610	.651	.807	.6985	15.1	22.3	12.2	15.03	— 9.55	.074	.079	.059	.067	.86	.66	.78	.75	SW bW	W S W	W S W	S 65 W	14.8	15.5	1.5	9.81	9.88	...	...
26	.873	.806	.735	.7957	1.7	20.1	11.1	11.25	—13.23	.038	.091	.060	.065	.80	.65	.83	.85	W	W b S	N W	N 77 W	6.5	0.5	3.0	2.95	3.25	...	...
27	.661	.506	—	—	14.3	29.1	—	—	—	.071	.126	—	—	.85	.78	—	—	N N W	S b E	SW bW	S 32 W	1.0	10.5	8.0	6.77	7.66	...	0.2
28	.553	.619	.563	.5837	22.6	28.0	25.1	25.37	+ 1.07	.103	.109	.123	.112	.85	.71	.91	.82	W S W	SW bW	S b W	S 33 W	7.8	13.5	4.8	9.07	10.45	...	1.2
29	.309	.195	.262	.2602	29.5	34.5	21 9	28.45	+ 4.25	.158	.181	.106	.146	.97	.90	.90	.91	S b E	S W	W b S	S 75 W	6.6	11.8	14.0	13.97	15.21	...	0.4
30	.439	.594	.754	.6143	15.0	24.8	19.7	19.35	— 4.75	.082	.120	.090	.093	.95	.90	.84	.87	W b S	W b S	W S W	S 71 W	21.5	17.2	9.5	13.24	14.10	...	Inp.
31	.731	.648	.587	.6527	15.0	16.5	16.1	15.75	— 8.23	.075	.076	.081	.078	.87	.83	.90	.88	SW bW	W S W	W S W	S 60 W	15.5	12.0	6.6	7.80	7.83	...	...
M	29.6320	29.6298	29.6631	29.6517	17.78	22.86	19.43	19.86	— 4.94	.093	.109	.102	.102	.90	.84	.89	.88	.....	.....	.....	.....	9.85	10.38	8.11	.....	9.30	0.685	20.6