MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY, TORONTO, CANADA WEST—DECEMBER, 1859.

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

Days.	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	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	10PM	Result.	M'N		
					°	°	°		°																			
1	29 326	29.205	29.680	29.4478	48.0	53.8	31.7	44.37	+13.58	.320	.370	.155	.281	.95	.89	.86	.90	S b W	S b W	N W b W	N 79 W	6.0	10.5	16.0	10.23	15.00	0.255	0.1
2	.813	.802	30.103	.9272	23.8	17.6	13.6	17.27	—13.22	.114	.083	.067	.082	.89	.85	.83	.84	N N W	N W	W N W	N 37 W	14.2	17.5	9.0	12.51	13.02	...	2.5
3	30.336	30.317	30.180	30.2720	1 7	8.2	11.1	6.80	—23.28	.038	.055	.055	.049	.80	.86	.74	.81	N N W	N	N N E	N 12 E	9.4	12.5	18.2	14.00	14.51	...	2.0
4	29.931	29.845	—	—	14.7	25.9	—	—	—	.072	.107	—	—	.85	.76	—	—	N N E	N E	N	N 22 E	20.6	13.5	9.0	12.90	13.21	...	2.5
5	.864	.801	29.708	29.8172	27.7	36.8	36.8	34.23	+ 4.87	.135	.203	.196	.184	.89	.93	.89	.92	N N E	E N E	Calm.	N 66 E	10.5	8.4	0.0	3.39	3.67	Inap.	...
6	.707	.432	.451	.5242	38.2	40.7	36.8	38.08	+ 9.02	.220	.250	.203	.218	.95	.98	.93	.94	E b N	E N E	W	N 68 W	6.8	8.2	13.5	4.73	10.51	0.780	3.5
7	.576	.731	.881	.7448	22.0	20.1	7.1	15.38	—13.28	.111	.091	.048	.080	.91	.85	.78	.86	W N W	W	W b N	S 88 W	12.5	12.6	4.0	8.48	8.59	..	2.5
8	.916	.920	.933	.9458	4.3	18.0	6.8	9.60	—18.87	.046	.081	.048	.056	.87	.81	.81	.82	W	W S W	W S W	S 70 W	7.0	9.5	4.2	5.58	5.66	...	...
9	.809	.586	.621	.6738	16.5	26 3	23.4	22.25	— 5.90	.033	.130	.101	.107	.90	.91	.81	.88	S W b W	S W	W	S 66 W	1.5	15.0	20.5	13.46	18.46	...	0.5
10	.070	30.017	.763	.9010	9 7	12.6	27.0	15.60	—12.25	.057	.066	.120	.082	.83	.86	.88	.87	N W	N W	S S W	S 79 W	14.6	0.5	17.0	4.54	7.86	...	...
11	.551	29.365	—	—	29.5	35.0	—	—	—	.149	.166	—	—	.92	.82	—	—	S W	S S W	S W	S 74 W	11.2	12.5	29.0	15.29	17.91	...	0.2
12	.424	.484	.655	.5435	10.8	12.2	6.4	8.53	—19.00	.046	.059	.052	.053	.65	.78	.90	.84	W	W S W	W N W	N 68 W	20.6	10.2	1.8	5.01	5.70	...	0.1
13	.799	.678	.898	.8687	4.6	19.8	16.5	13.65	—13.50	.048	.076	.069	.069	.90	.71	.77	.84	W N W	Calm.	N b E	N 5 E	5.6	0.0	S	5.51	6.02	...	3.0
14	.835	.823	.822	.8285	15.4	18.7	17.6	15.80	—11.17	.083	.089	.088	.080	.95	.87	.92	.90	N	N	N b W	N 9 W	13.8	7.5	4.8	7.29	7.53	...	0.2
15	.810	.799	.826	.8165	14.7	25.9	12.6	17.48	— 9.28	.072	.107	.066	.080	.85	.76	.86	.82	N W	N W	S W	S 45 W	1.0	0.6	1.5	1.61	1.67	...	Inp.
16	.810	.785	.793	.7982	19.1	31.0	29.5	26.60	+ 0.03	.090	.133	.154	.124	.87	.76	.94	.85	Calm.	Calm.	N b E	N 16 E	0.0	0.0	9.4	3.36	4.07	...	...
17	.633	.548	.454	.5427	27.7	28.8	29.7	29.03	+ 2.67	.142	.137	.163	.150	.91	.86	.99	.93	N N E	E b N	E b N	N 73 E	13.2	24.4	21.5	20.23	20.49	...	4.0
18	.324	.305	—	—	31.7	31.7	—	—	—	.170	.177	—	—	.95	.99	—	—	E b N	E b N	S b W	S 69 E	21.2	10.5	7.5	4.21	11.01	...	6.0
19	.353	.305	.510	.4245	32.8	34.4	31.7	32.97	+ 6.20	.180	.158	.162	.161	.96	.79	.90	.87	S W b W	W b S	W S W	S 63 W	12.3	9.0	4.2	8.05	8.08	...	0.4
20	.308	.201	.273	.2928	30.3	31.7	27.7	29.60	+ 3.72	.148	.162	.142	.151	.88	.90	.94	.92	Calm.	N	W N W	N 40 W	0.0	4.8	8.2	5.34	5.81	...	1.5
21	.436	.559	.608	.5423	22.0	22.7	20.9	21.68	— 4.10	.111	.162	.095	.099	.93	.83	.85	.85	W N W	W b N	W b S	S 88 W	8.0	17.5	13.8	13.16	13.33	...	0.2
22	.613	.564	.485	.5152	16.5	20.5	14.4	17.02	— 8.67	.093	.100	.070	.085	.90	.91	.83	.89	W	W b N	W	N 88 W	9.2	10.0	3.4	6.78	6.82	...	...
23	.423	.370	.411	.4075	18.3	15.3	10.4	14.12	—11.45	.080	.071	.062	.071	.81	.82	.89	.86	W b S	W	N W b W	N 88 W	13.4	18.0	14.0	13.59	14.88	...	0.3
24	.591	.640	.657	.6102	0.3	11.1	12.2	7.78	—17.70	.044	.055	.071	.057	.97	.74	.94	.90	N	W	W b S	S 89 W	4.2	8.2	16.6	9.84	10.19	...	0.2
25	.004	.374	—	—	13.6	25.6	—	—	—	.067	.100	—	—	.83	.72	—	—	W b S	W S W	W S W	S 77 W	7.8	7.5	2.5	4.56	4.59	...	0.2
26	.238	.333	—	—	30.3	31.3	—	—	—	.148	.155	—	—	.88	.88	—	—	W b S	W N W	W N W	N 43 W	2.5	17.5	15.0	10.77	12.21	...	Inp.
27	.023	30.051	30.115	30.0352	14.9	6.6	0.6	6.07	—19.22	.076	.048	.040	.050	.89	.80	.88	.84	N b E	N b E	N b E	N 18 E	7.0	12.8	8.5	11.65	12.18	...	...
28	30.068	30.068	30.038	30 0728	—2.3	1.7	—0.4	—0.53	—25.68	.036	.038	.041	.038	.90	.80	.94	.88	N E	N E	N E b E	N 45 E	18.5	18.8	21.5	18.13	18.18	...	3.5
29	29.915	29.598	29.317	29.5987	1.0	6.4	12.9	7.02	—18.15	.041	.050	.076	.055	.88	.85	.96	.89	N E	N E	N E	N 48 E	17.6	19.8	13.0	13.57	14.07	...	4.0
30	.361	.389	.513	.4388	12.2	24.5	13.6	16.05	— 0.12	.071	.105	.055	.074	.94	.80	.67	.80	N N W	W S W	W S W	S 73 W	2.0	12.6	17.0	13.69	13.90	...	...
31	.724	.769	.838	.7852	—0.8	1.5	—2.6	—1.08	—26.22	.037	.033	.033	.035	.88	.73	.87	.85	W S W	W b S	W b S	S 75 W	18.5	19.4	10.4	14.61	14.71	...	...
M	29.7108	29.6862	29.7186	29.7092	16.52	21.03	17.23	17.89	— 9.20	.097	.110	.094	.099	.89	.83	.87	.87					9.09	11.28	11.28		10.77	1.035	37.4