MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY, TORONTO, CANADA WEST,—DECEMBER, 1866.

Latitude—43 *deg.* 39.4 *min. North. Longitude*—5 *h.* 17.33 *min. 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.			Resul't. 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.	10 P.M.	Result'.	M'N		
					°	°	°	°	°												°							
1	29.756	29.786	29.816	29.7910	26.2	31.3	30.2	28.82	— 1.97	.116	.110	.136	.117	82	62	80	73	NW bW	N W	W	N 64 W	21.0	8.5	9.0	7.02	7.98	...	...
2	.813	.796	—	—	27.7	37.0	—	—	—	.142	.167	—	—	94	76	—	—	W b S	S W b S	Calm.	S 22 W	0.8	12.0	0.0	4.55	4.88	...	...
3	.748	.638	.477	.6123	34.9	41.0	40.3	38.62	+ 8.53	.161	.141	.158	.152	79	54	63	65	S E b S	E b S	S S E	S 58 E	5.4	8.0	3.8	5.61	6.31	.200	...
4	.322	.203	.496	.3568	39.6	41.4	38.5	40.00	+10.22	.227	.232	.208	.222	94	89	89	90	E b S	W b S	S W b W	S 62 W	5.2	6.3	3.8	5.30	7.57	.420	...
5	.737	.836	.926	.8465	34.2	43.5	33.1	36.40	+ 7.03	.177	.214	.167	.181	89	75	88	84	S W b W	S S W	S W b S	S 75 W	5.6	2.0	0.6	2.83	3.54	...	...
6	.891	.720	.635	.7416	36.3	40.7	39.6	39.17	+10.19	.202	.231	.232	.220	94	91	96	92	N E	E N E	Calm.	N 71 E	2.6	8.5	0.0	2.87	4.31	.035	...
7	.649	326	.626	.5935	40.3	47.5	36.3	41.15	+12.48	.228	.235	.185	.219	91	71	86	85	W b S	S S W	Calm.	S 3 W	2.0	4.5	0.0	3.46	6.52	.045	...
8	.193	28.974	.129	.0952	41.4	50.4	42.1	43.20	+14.72	.259	.199	.178	.207	99	52	66	74	E	S W	S W b W	S 48 W	10.5	28.8	22.0	14.29	18.18	1.120	0.1
9	.368	29.298	—	—	29.1	32.7	—	—	—	.141	.172	—	—	87	92	—	—	W b S	W S W	W b S	S 71 W	14.0	10.6	20.9	16.45	16.68	...	...
10	.411	.434	.555	.4922	16.8	20.3	17.2	17.55	—10.30	.078	.051	.068	.065	88	45	72	68	W S W	W	W S W	S 73 W	19.0	24.6	14.4	15.95	16 06	...	...
11	.678	.516	.599	.5763	17.9	24 8	16.8	19.30	— 8.35	.085	.063	.073	.077	87	46	78	74	W S W	S W b W	W b S	S 72 W	13.3	12.0	12.2	11.81	11.88	...	...
12	.011	.663	.734	.6787	16.1	21.5	15.8	17.57	— 9.78	.074	.059	.064	.064	83	47	74	68	W S W	W b S	W b S	S 73 W	8 6	19.8	8.8	14.70	14.74	...	...
13	.761	.728	.791	.7717	17.2	23.7	15.8	17.38	— 9.27	.075	.076	.069	.073	78	59	77	74	W b S	W N W	N	N 54 W	15.0	16.2	8.4	9.93	12.81	...	inap.
14	.978	30.103	30.134	30.0812	7.5	13.2	8.9	9.65	—17.32	.054	.054	.055	.054	88	67	84	80	N b W	N W b N	N	N 20 W	12.0	9.0	9.6	7.51	7.58	..	...
15	30.139	30.036	29.925	30.0267	5.7	17.9	16.1	13.90	—12.87	.047	.055	.062	.060	83	55	68	71	N	N	N E	N 50 E	8.8	1.0	9.2	6.38	6.88	...	...
16	29.630	29.368	—	—	15.1	27.3	—	—	—	.074	.133	—	—	86	89	—	—	N E b E	E b N	N E	N 64 E	20.6	13.5	11.5	12.40	14.20	...	6.0
17	.325	.465	.676	29.5114	19.4	22.6	26.2	22 98	— 3.38	.100	.104	.124	.109	96	86	87	88	N b W	N W b W	N W b W	N 54 W	8.5	8.5	15.3	7.10	7.30	...	0.5
18	29.799	.761	693	.7447	17.6	28.8	30.2	26.12	— 0.03	.083	.108	.142	.112	85	68	84	78	Calm.	S W b W	S W	S 50 W	0.0	2.6	16.5	8.21	8.33	...	...
19	.648	.605	.870	.7233	29.8	33.1	14.7	25.08	— 0.98	.133	.167	.067	.121	80	38	78	83	S W b W	S W	N b W	N 18 W	2.2	1.0	10.0	8.15	11.03	...	2.0
20	29.179	30.302	30.281	30.2602	—2.8	7.5	3.5	1.88	—24.00	.036	.054	.040	.039	93	88	75	80	N b E	N b E	N N E	N 21 E	15.3	3.8	10.5	6.85	7.63	...	1.0
21	30.210	30.029	29.853	30.0067	12.9	20.5	22.6	19.22	— 6.57	.069	.074	.085	.079	89	67	70	75	S E	E S E	S b W	S 33 E	6.4	8.0	7.0	6.37	7.52	...	...
22	29.743	29.555	.419	29.5572	29.3	35.3	36.3	34.15	+ 8.47	.140	.146	.185	.159	84	71	86	80	Calm.	S	S E b S	S 21 E	0.0	9.0	6.5	6.12	6.48	.130	inap.
23	.182	28.984	—	—	37.8	39.0	—	—	—	.217	.237	—	—	96	97	—	—	S S E	S S E	N W	S 76 W	3.5	0.8	11.0	3.36	5.34	.840	...
24	.036	29.083	.207	.1227	35.6	35.8	31.6	34.13	+ 8.05	.202	.199	.170	.184	97	95	96	93	S W	S W	W b S	S 64 W	6.2	7.6	10.5	6.20	6.55	...	0.3
25	.299	.400	—	—	28.4	26.6	—	—	—	.134	.112	—	—	86	77	—	—	W	W S W	S W	S 69 W	9.5	9.8	11.4	11.14	11.44	...	0.1
26	.577	.411	.283	.4158	21.2	31.3	30.6	26.97	— 1.67	.107	.152	.160	.135	94	86	93	91	W b S	S S W	Calm.	S 69 W	0.5	7.2	0.0	4.30	8.18	...	5.0
27	.228	.287	.309	.3118	23.3	23.3	16.1	19 83	— 5.45	.110	.095	.062	.083	87	75	68	75	N W b W	N W	W N W	N 61 W	10.8	29.0	27.0	24.86	25.06	...	...
28	.374	.368	.515	.4278	11.8	19.7	17.2	16.42	— 8.73	.052	.071	.075	.067	70	66	78	72	W N W	W N W	W N W	N 68 W	29.0	27.0	23.0	24.40	24.51	...	...
29	.620	.653	.705	.6760	13.6	21.2	16.5	16.20	— 8.97	.072	.079	.076	.071	90	70	83	78	W N W	W S W	W S W	W	17.0	10.5	14.2	9.62	10.41	...	0.4
30	.788	.969	—	—	13.2	18.3	—	—	—	.071	.068	—	—	90	68	—	—	Calm.	S W	N	S 38 W	0.0	6.5	1.2	2.86	4.77	...	0.1
31	.792	.716	.760	.7543	20.1	24.1	18.3	20.63	— 4.55	.091	.093	.080	.087	85	72	81	79	S E b S	Calm.	Calm.	S 4 E	7.0	0.0	0.0	1.87	2.66	...	...
M	29.6526	29.6231	29.6558	29.6470	22.62	28.82	24.68	25.06	— 2.03	.119	.122	.117	.118	88	70	80	79	.....	.....	.....	.....	9 04	10.23	9.64	.....	9.91	2.790	15.5