

MONTHLY METEOROLOGICAL REGISTER, AT
Latitude, 43 deg. 30.4 min. N. Longitude, 79 deg. 21.5 min. W.

Magt.	Day.	Barom. at tem. of 32 deg.				Temperature of the air.				Tension of Vapour.			
		6. A.M.	2. P.M.	10. P.M.	MEAN.	6 A.M.	2. P.M.	10. P.	MEAN.	6 A.M.	2. P.M.	10. P.M.	MEAN.
cd	1	-0.187	0.23	03 71	0 281	2.9	6.4	6.0	3.74	0.155	0.289	0.277	0.257
d	2	-.356	.622	.418	.540	6.0	3.0	1.8	3.16	2.0	.271	.226	.249
c	3	-.198	-.016	.077	.041	0.2	2.0	0.4	0.40	1.93	.175	.187	.183
c	4	.115	-.089	.105	.102	1.2	2.1	1.6	1.60	1.95	.240	.195	.211
c	5	.064	-.074	.062	.048	1.5	0.1	0.2	0.16	.182	.177	.161	.172
bdz	6	-.113	-.38	.6	.398	1.5	2.2	5.4	2.21	.177	.224	.264	.229
cd	7	-.514	-.12	...	...	4.1	0.7	...	...	.162	.172	...	...
a	8	-.651	-.045	.566	.037	0.8	0.5	0.4	0.46	.192	.192	.190	.191
b	9	-.032	-.012	.054	.028	0.2	2.1	5.9	2.64	.197	.163	.180	.185
ac	10	.104	-.211	.219	.190	6.7	0.8	3.2	3.11	.144	.181	.155	.164
ca	11	.255	-.147	.207	.041	2.5	0.4	7.4	1.59	.176	.163	.244	.193
c	12	-.418	-.345	.114	.302	7.2	0.7	1.6	0.85	.242	.162	.151	.170
cd	13	-.202	-.492	.162	.148	1.0	4.7	5.7	3.83	.174	.189	.154	.154
c	14	-.3	-.213	...	...	4.8	8.8	...	...	.178	.152	...	...
b	15	-.167	-.146	.130	.149	2.4	5.7	4.5	3.47	.161	.136	.157	.154
b	16	-.187	.175	.1	.159	2.7	3.7	5.5	4.22	1.7	.142	.157	.153
c	17	-.1	.097	.6	.102	6.0	1.5	5.1	4.32	.138	.134	.136	.136
b	18	-.079	.047	.0	.093	7.4	0.3	0.4	1.06	1.9	.142	.149	.151
a	19	-.101	-.124	.184	.134	0.1	0.7	5.2	1.6	.179	.175	.154	.163
a	20	-.211	.342	.327	.337	0.2	1.6	1.3	0.25	.189	.123	.139	.145
a	21	-.493	-.474	...	...	0.1	4.6	...	...	.169	.169	...	...
b	22	-.430	0	.7	.05	2.2	5.3	0	0.87	.161	.168	.174	.168
b	23	-.604	.155	.308	.166	1.7	5.7	9.6	6.11	.141	.143	.161	.174
b	24	-.339	.218	.075	.219	2.2	10.5	1.6	8.03	.087	.131	.154	.123
bc	25	.154	.266	.3	.274	12.4	0.3	5.5	3.03	.146	.197	.211	.193
c	26	.552	-.295	.557	.601	8.5	5.5	6.1	6.81	.222	.255	.215	.230
bc	27	-.515	-.360	.03	.291	4.5	1.5	1.0	2.03	.185	.154	.133	.151
bc	28	1.8	.192	...	...	2.7	1.9	...	...	.135	.152	...	...
a	29	.204	-.219	.382	.230	3.2	2.0	1.6	0.62	.161	.177	.131	.153
bd	30	.389	-.199	.292	.118	2.4	7.1	5.1	3.60	.123	.198	.168	.160
Mean	Normal...	29.627	29.636	29.621	29.626	33.68	40.02	35.47	36.20	0.172	0.180	0.175	0.176
	Observed	29.57	29.551	29.58	29.573	31.25	39.95	34.55	35.89				

Highest Barometer.....30.184, at 8 a. m. on 21st } Monthly range
 Lowest Barometer.....28.943, at 2 p.m. on 26th } 1.241 inch.
 Highest observed temp.... 58° 4, at 2 p.m. on 1st } Monthly range
 Lowest registered " 18 2, at a.m. on 24th. } 32° 2
 Mean, highest observed tem. 29° 66. } Mean, daily range:
 Mean, registered minimum 29 65, } 9° 51
 Greatest daily range, 20° 4, from a. m. to 2 p.m. on 30th.
 Warmest day, 15th, mean temperature 43° 57 } Difference,
 Coldest day, 24th, mean temperature 25 55 } 18° 32

First snow of the season, from 6 to 9 a. m., on the 11th.

The "Means" are derived from six observations daily, viz:—at 6 and 8, a.m., and 2, 4, 10, and 12, p.m.

The column headed "Magnet" is an attempt to distinguish the character of each day as regards the frequency or extent of the fluctuations of the Magnetic declination, indicated by the self-registering instruments at Toronto. The classification is to some extent arbitrary, and may require future modification, but has been found tolerably definite as far as applied. It is as follows:

- (a) A marked absence of Magnetic disturbance.
- (b) Unimportant movements,—not to be called disturbance.
- (c) Marked disturbance,—whether shown by frequency or amount of deviation from the normal curve,—but of no great importance.
- (d) A greater degree of disturbance,—lasting more or less the whole day.
- (e) Considerable disturbance of the first class.

The day is reckoned from noon to noon. If two letters are placed, the first applies to the earlier, the latter to the later part of the trace. Although the declination is particularly referred to, it rarely happens that the same terms are not applicable to the changes of the horizontal force also.

Toronto, November, 1852.