

MONTHLY METEOROLOGICAL REGISTER, &c

Latitude, 43 deg. 39.4 min. N. Longitude, 79 deg. 21.5 min. W

Day	Barom. at 6 a.m. of 1852*				Temperature of Barom.				Quantity of Vapour.				
	6 A.M.	2 P.M.	10 P.M.	MEAN	6 A.M.	2 P.M.	10 P.M.	MEAN	6 A.M.	2 P.M.	10 P.M.	MEAN	
b	1	0.071	0.119	0.011	0.031	2.4	13.6	1.1	9.7	0.421	0.977	0.557	0.545
c	2	0.057	0.183	0.203	0.177	0.6	10.3	19.3	10.6	305	579	749	573
c	3	0.133	0.053	0.018	0.027	6.3	9.7	1.3	3.6	418	387	352	385
c	4	0.10	0.19	0.221	0.152	3.5	3.1	3.0	0.7	391	462	286	356
c	5	0.72	0.119	...	...	7.2	5.1	...	...	274	471	...	...
b-d	6	0.297	0.171	0.106	0.184	4.5	19.0	9.6	6.6	291	159	430	430
c	7	0.231	0.222	0.221	0.230	1.1	12.5	3.1	6.2	349	319	416	157
c	8	0.233	0.213	0.211	0.217	0.5	8.5	2.6	5.3	375	505	375	453
c	9	0.176	0.113	0.021	0.096	8.1	1.9	14.6	8.3	115	641	906	578
c	10	0.061	0.072	0.077	0.055	15.0	19.3	6.8	10.1	545	527	48	536
c	11	0.121	0.218	0.113	0.339	7.1	3.5	8.1	6.0	156	557	510	506
c	12	0.74	0.519	...	...	3.1	1.1	...	...	361	375	...	...
a	13	0.339	0.213	0.117	0.210	12.5	5.3	12.8	10.5	2.6	411	216	215
a	14	0.073	0.157	0.075	0.037	13.1	4.0	7.1	8.1	153	295	273	261
d	15	0.059	0.171	0.221	0.144	10.1	6.5	11.6	8.9	2.3	567	235	265
c	16	0.309	0.323	0.312	0.317	15.8	6.5	9.2	5.4	207	276	239	252
a-c	17	0.320	0.313	0.271	0.305	10.2	2.3	8.2	5.4	2.9	341	275	270
a-c	18	0.231	0.221	0.197	0.207	4.0	1.0	4.2	0.5	248	379	353	356
c	19	0.071	0.021	...	...	6.1	3.6	...	...	403	518	...	...
c	20	0.250	0.102	0.057	0.091	3.8	10.7	1.2	2.1	323	313	373	350
c	21	0.26	0.132	0.023	0.221	9.6	1.0	1.2	5.8	456	489	318	491
d	22	0.021	0.109	0.219	0.122	4.9	0.5	7.8	1.1	312	293	261	276
c	23	0.390	0.293	0.212	0.296	9.1	3.1	5.1	1.0	220	310	280	293
c	24	0.151	0.103	0.01	0.095	1.3	0.5	2.3	1.1	30	267	211	436
a-b	25	0.053	0.213	0.101	0.231	3.2	0.3	3.0	2.2	312	604	393	363
c	26	0.222	0.213	...	...	1.0	2.1	...	...	212	273	...	...
a-b	27	0.313	0.001	0.019	0.022	5.1	0.6	0.1	5.6	233	233	233	256
a-b	28	0.203	0.059	0.101	0.036	3.3	5.2	6.9	3.9	369	368	411	285
c	29	0.187	0.211	0.174	0.186	8.8	7.3	3.0	7.2	161	214	209	226
d	30	0.143	0.153	0.161	0.159	6.0	2.2	0.6	0.5	191	311	296	297
Mean	Normal	29.661	29.636	29.613	29.619	51.25	61.35	51.14	57.32	0.312	0.105	0.367	0.296
Mean	Observed	29.723	29.692	29.653	29.705	49.01	64.65	51.11	51.92				

\* Above or below the mean. pressure and temperature for the time of observation.

Highest Barometer . . . . . 30.006, at 8 a.m. on 17th } Monthly range  
 Lowest Barometer . . . . . 28.910, at 6 a.m. on 12th } 1.096 inch.  
 Highest observed temperature 81° 8', at 2 p.m. on 1st } Monthly range  
 Lowest registered " 35.8, at a.m. on 14th } 46° 5.0

Mean highest observed temp. 61° .22 } Mean daily range:  
 Mean registered minimum 47 .16 } 17° .76

Greatest daily range, 25° 1, from 2 p.m. of 14th to a.m. of 5th.

Warmest day, 23d. Mean temperature, 71° .53 } Difference,  
 Coldest day, 29th. Mean temperature, 41.07 } 27° .46

13th—at 5 a.m., the first frost observed this season.

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 Magnetical 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,—but not of long continuance.
- (e) Considerable disturbance,—lasting more or less the whole day.
- (f) A magnetical disturbance of the first class.

The day is reckoned from noon to noon. If two letters are placed, the first applies to the entire, 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.