

MONTHLY METEOROLOGICAL REGISTER, &c

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

Mgt.	Day	Barom. at tem. of 32 deg				Temperature of the air.				Pressure 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.
d	1	-0.414	-0.332	-0.172	-0.291	0.5	-1.0	2.1	-1.3	0.242	0.296	0.252	0.269
b	2	0.047	0.046	..	..	1.1	2.4	..	..	2.2	2.95	..	..
a-b	3	0.228	0.263	0.364	0.297	-1.5	0.9	-1.8	-1.1	2.11	1.31	1.44	1.52
b	4	0.30	0.558	0.499	0.528	1.9	7.5	5.5	5.4	1.31	1.68	1.58	1.50
b	5	0.52	0.531	0.435	0.488	-4.0	7.8	2.8	3.7	1.83	2.14	2.76	2.35
d	6	0.16	0.381	0.205	0.277	1.7	13.3	2.8	5.4	1.86	2.3	2.20	2.31
b-d	7	0.227	0.12	0.075	0.131	1.7	8.8	12.7	7.6	2.10	3.33	3.72	3.13
c-d	8	0.002	0.067	0.079	0.045	9.3	6.2	14.0	9.7	2.90	3.81	3.00	3.39
c	9	0.018	0.061	..	..	-1.7	12.0	..	..	2.28	3.13	..	..
c	10	0.143	0.187	0.176	0.169	-3.3	-3.5	3.8	2.7	1.79	2.49	2.65	2.12
c	11	0.166	0.38	0.013	0.085	5.7	0.5	2.0	0.2	2.3	2.32	2.47	2.13
b	12	-0.22	0.133	0.201	0.128	9.1	3.1	3.1	3.7	3.38	4.05	3.03	3.50
b	13	0.253	0.230	0.130	0.191	3.7	3.9	4.2	2.5	2.49	3.17	2.90	3.03
c	14	0.101	0.149	0.250	0.114	4.5	-1.0	2.4	2.1	2.62	2.90	2.84	2.77
a	15	0.334	0.229	0.121	0.231	4.6	1.0	2.8	1.1	2.17	3.89	3.14	3.66
a	16	0.092	0.065	..	..	9.1	2.2	..	..	3.79	4.65	..	..
b	17	0.356	0.179	0.006	0.160	0.5	-7.0	-7.7	-5.4	3.03	2.33	1.60	2.32
c	18	0.160	0.192	0.057	0.081	8.2	-5.2	6.8	6.8	1.7	1.94	1.94	1.97
d	19	0.043	0.179	0.127	0.147	4.3	9.0	8.3	6.5	1.91	2.43	1.89	2.13
c	20	0.024	0.149	0.232	0.130	8.6	12.0	12.4	11.6	1.69	2.01	1.54	1.78
c	21	0.22	0.118	0.123	0.159	2.2	0.1	0.8	-0.1	2.3	2.19	2.13	2.37
c	22	0.149	0.153	0.121	0.143	5.0	5.3	1.8	3.3	2.71	2.41	2.13	2.76
c	23	0.195	0.062	..	..	6.2	5.7	..	..	3.25	4.8	..	..
c	24	0.010	0.085	0.120	0.072	0.2	10.7	13.2	8.1	3.21	4.6	3.97	3.97
b	25	0.016	0.081	0.093	0.062	6.0	-1.7	-2.6	0.8	2.72	2.9	2.38	2.75
a-d	26	0.084	0.32	0.085	0.099	0.5	-6.1	-1.2	3.6	1.59	1.79	2.22	1.96
c	27	0.229	0.260	0.163	0.206	2.3	2.5	-4.5	2.9	2.47	4.11	2.21	3.00
c-b	28	0.119	0.128	0.147	0.123	2.1	4.6	-0.5	0.4	3.09	3.97	3.07	3.36
b	29	0.168	0.317	0.190	0.226	2.9	9.6	6.0	6.4	3.51	4.76	3.97	4.06
a	30	0.054	0.129	..	..	4.5	3.9	..	..	2.12	1.99	..	..
b	31	0.127	0.065	0.042	0.076	5.5	2.3	0.9	1.8	2.17	2.91	2.72	2.63
Mean:	Normal..	29.598	29.555	29.565	29.564	46.10	58.63	48.21	51.50	2.14	2.93	2.57	2.67
	Observed	29.644	29.602	29.614	29.620	45.57	58.99	48.68	51.67				

Highest Barometer 30.128, at 8 a. m. on 4th } Monthly range:

Lowest Barometer..... 29.168, at 6 a. m. on 1st } 0.960 inch.

Highest observed temperature 73.3, at 3 p. m. on 29th } Monthly range

Lowest registered " 32.0 a. m. 5th and 18th } 52.2

Mean highest observed temp. 59.59 } Mean daily range:

Mean minimum Ther. 41.18 } 17.03

Greatest daily range, 30 S, from 3 p. m. on 29th to a. m. of 30th.

Warmest day, 24th. Mean temperature, 61.82 } Difference,

Coldest day, 20th. Mean temperature, 41.18 } 20.61

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

REMARK.—Latest snow on 20th,—depth inappreciable.

Toronto, 14th June, 1852