

MONTHLY METEOROLOGICAL REGISTER, AT H. M. MAGNETICAL OBSERVATORY, TORONTO, O. W.—SEPTEMBER 1850.

| Barometer at Temp. of 32° | | Temperature of the Air. | | | Tension of Vapour. | | | Humidity of the Air. | | | Wind. | | | Ins. of Rain. | | Weather. | |
|---------------------------|--------|-------------------------|--------|--------|--------------------|---------|-------|----------------------|--------|---------|-------|--------|--------|---------------|--|----------|--|
| 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. | 6 A.M. | 2 P.M. | 10 P.M. | | | |
| 30 | 29.985 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 29 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 28 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 27 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 26 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 25 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 24 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 23 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 22 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 21 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 20 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 19 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 18 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 17 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 16 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 15 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 14 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 13 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 12 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 11 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 10 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 9 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 8 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 7 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 6 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 5 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 4 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 3 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 2 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 1 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |
| 0 | 29.983 | 29.934 | 29.701 | 29.891 | 31.0 | 63.4 | 44.6 | 46.2 | 1.74 | .232 | .174 | 90 | 90 | 80 | | | |

Highest Barometer, 30.018 at 9 a.m. on 30th } Monthly
 Lowest do. 29.214 at 8 p.m. on 27th } Range, 0.774.
 Highest of the Temperature, 76.0 at 2 p.m. on 24th } Monthly
 Lowest do. 59.5 at 6 a.m. on 30th } Range, 16.5.
 Mean Air, Thermometer, 55.0 } Mean Daily range, 20.10
 Mean Air, do. 54.9 }
 Greatest Daily range, 22.1 from p.m. on 18th to a.m. on 19th.
 Warmest Day, 24th—Mean temperature, 67.43 } Difference, 18.74.
 Coldest Day, 30th—do. 46.20 }
 Warmest hour, 2 p.m.—do. } Mean Diurnal va-
 Coldest hour, 4 p.m.—do. } Mean Diurnal va-
 Mean diurnal variation, 6.43 miles per hour.

Sum of the Atmospheric Currents in miles resolved into the four Cardinal directions.
 North 1085.0
 West 1217.3
 East 651.4
 South 1356.1

Mean velocity of the Wind, 4.73 miles per hour.
 Greatest velocity, 21.2 miles from 11 to noon, on the 29th.
 Mean Windy day, 28th: mean velocity per hour, 9.57 miles.
 Least do., 2nd.
 Most Windy hour, 2 p.m.—mean velocity, 9.00 miles per hour.
 Least do., midnight.
 Mean diurnal variation, 2.06 do.

Year Mean Max. Min. Range. No. of days Inches Snow.
 1840— 61.01 80.6 30.2 43.4 4 0 3.310 0
 1841— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1842— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1843— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1844— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1845— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1846— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1847— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1848— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1849— 55.05 82.6 37.7 42.5 13 0 6.100 0
 1850— 55.05 82.6 37.7 42.5 13 0 6.100 0