

MONTHLY METEOROLOGICAL REGISTER AT H. M. MAGNETICAL OBSERVATORY, TORONTO, C. W.,—FEBRUARY, 1850.
 Latitude 43°. 39'. 4. N. Longitude 79°. 21'. 5. W. Elevation above Lake Ontario, 108 Feet.—(For the Brit. Amer. Jour. of Med. and Phys. Science.)

DAY.	Barometer at Temp. of 32° C.			Temp. of the Air.			Tension of Vapour.			Humidity of the Air.			Wind.			Inches of Snow.	WEATHER.			
	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.	7 A.M.	3 P.M.	10 P.M.					
1	30.003	29.992	29.865	29.924	28.6°	29.3°	25.3°	122.119	116	127	77	73	83	83	W N W	N W	W N W	—	0.2	Overcast, light clouds and haze
2	29.730	29.552	29.405	29.613	27.6	32.5	30.2	129.143	133	115	84	78	79	79	Calim.	S E by S	E N E	2.6	Overcast all day; snowing from 9 pm	
3	29.472	29.568	—	—	12.5	11.1	—	0.67, 0.19	—	—	80	63	80	80	N W by W	N W by W	—	—	Am clouds; pm thick clouds, drizzle	
4	29.772	29.872	30.010	29.933	7.0	11.1	4.8	0.55, 0.62	0.51	0.52	81	80	90	90	S W by W	N N W	N W by W	0.4	Am mostly clear; pm clouds; snowing from noon to 1 pm	
5	30.199	30.236	30.289	30.261	1.3	18.2	14.4	0.61, 0.74	0.64	0.60	81	75	74	81	N W by W	S by W	S W by W	0.1	Overcast till 9 pm; drizzle afterwards; haze	
6	30.272	30.142	30.008	30.103	9.6	24.0	24.6	0.66, 1.00	1.01	0.98	93	75	74	87	Calim.	S E by E	S S W	1.5	Overcast till 9 pm; drizzle afterwards; haze	
7	29.932	29.844	29.793	29.829	24.0	34.8	32.8	1.21, 1.62	1.65	1.58	92	80	89	87	W by N	S by E	S S W	—	Overcast till 9 pm; drizzle afterwards; haze	
8	29.590	29.391	29.372	29.409	35.4	37.4	36.6	1.36, 2.13	2.08	2.07	95	95	96	96	S E by E	S S W	S W	—	Overcast till 9 pm; drizzle afterwards; haze	
9	29.256	29.028	29.082	29.163	35.6	37.2	34.8	2.03, 1.98	1.80	1.85	98	90	90	90	S by W	N by W	W N W	0.1	Overcast till 9 pm; drizzle afterwards; haze	
10	28.998	29.028	—	—	33.4	34.1	—	1.68, 1.55	—	—	88	78	—	—	S W	S W	—	—	Overcast till 9 pm; drizzle afterwards; haze	
11	29.804	29.481	29.677	29.557	30.6	38.8	29.4	1.10, 1.48	1.13	1.31	81	91	70	81	S W by W	W by S	W S W	0.1	Overcast till 9 pm; drizzle afterwards; haze	
12	29.879	29.908	29.968	29.934	23.6	35.8	26.1	1.06, 1.69	1.09	1.16	83	80	75	77	W	W by N	N W by N	—	Overcast till 9 pm; drizzle afterwards; haze	
13	29.968	29.788	29.635	29.729	17.3	31.7	26.7	0.91, 1.33	1.31	1.29	91	75	89	84	N W by N	N E by S	E by S	18.0	Overcast till 9 pm; drizzle afterwards; haze	
14	29.833	29.962	28.814	28.995	29.0	28.3	27.2	1.44, 1.54	1.46	1.44	90	99	97	94	N E by N	N E by N	N W	—	Overcast till 9 pm; drizzle afterwards; haze	
15	29.699	29.350	29.591	29.399	12.8	18.7	15.0	0.75, 0.89	0.67	0.72	91	83	73	81	N W by N	N W by N	N W	—	Overcast till 9 pm; drizzle afterwards; haze	
16	29.644	29.543	29.607	29.543	10.4	32.0	25.7	0.68, 1.14	1.18	1.33	93	74	81	85	W by S	S S W	S W by S	—	Overcast till 9 pm; drizzle afterwards; haze	
17	29.460	29.342	29.292	29.356	33.3	38.0	33.2	1.80, 2.01	1.69	1.68	95	88	89	89	S W	S S W	S S W	0.2	Overcast till 9 pm; drizzle afterwards; haze	
18	29.295	29.158	29.293	29.256	33.3	38.0	33.2	1.80, 2.01	1.69	1.68	95	88	89	89	S S W	S S W	S S W	—	Overcast till 9 pm; drizzle afterwards; haze	
19	29.555	29.605	29.643	29.613	18.3	32.8	8.6	0.83, 0.97	0.68	0.77	80	73	83	81	N W by W	N W by W	N W by W	—	Overcast till 9 pm; drizzle afterwards; haze	
20	29.478	29.151	29.043	29.180	9.7	37.5	37.2	0.70, 1.65	1.87	1.60	98	74	85	80	N by W	W	S E	—	Overcast till 9 pm; drizzle afterwards; haze	
21	29.299	29.569	29.832	29.663	36.6	32.4	23.0	0.10, 1.27	0.91	1.21	98	70	72	75	W	W by N	N W	—	Overcast till 9 pm; drizzle afterwards; haze	
22	30.086	30.133	30.114	30.109	8.8	19.6	12.2	0.56, 0.70	0.55	0.60	64	64	68	74	N W by N	N W	N N W	—	Overcast till 9 pm; drizzle afterwards; haze	
23	30.068	29.938	29.851	29.709	2.8	30.1	23.1	0.49, 1.09	0.93	1.16	90	64	64	78	N W	S S W	S W by W	—	Overcast till 9 pm; drizzle afterwards; haze	
24	29.592	29.274	—	—	22.4	31.1	—	1.04, 1.65	—	—	84	95	71	78	N W	E N E	—	—	Overcast till 9 pm; drizzle afterwards; haze	
25	29.051	29.191	29.210	29.182	35.8	38.4	34.1	1.66, 1.70	1.70	1.61	84	95	87	80	S W by W	S W	S S W	—	Overcast till 9 pm; drizzle afterwards; haze	
26	29.366	29.730	29.508	29.432	33.2	47.9	37.7	1.59, 1.91	1.85	1.61	81	58	82	82	W by N	W by S	N E by N	—	Overcast till 9 pm; drizzle afterwards; haze	
27	29.673	29.704	29.705	29.705	25.2	38.2	29.6	1.23, 1.49	1.35	1.51	88	65	82	80	N W by W	S S E	N E by N	—	Overcast till 9 pm; drizzle afterwards; haze	
28	29.608	29.135	29.033	29.033	30.6	33.6	36.0	1.41, 1.61	1.97	1.70	82	83	91	85	E by N	N E by E	N N E	—	Overcast till 9 pm; drizzle afterwards; haze	
Mean	29.634	29.589	29.586	29.5945	21.9	30.8	26.2	1.16, 1.16	1.16	1.27	1.25	88.1	78	82	7.60 miles, S. 90 miles, 6.50 miles.	23.1	—	—	—	High winds on the following days—16th 12.19 miles per hour, 11th 13.67 49.14th 16.75 do, 15th 11.88 do, 21st 15.22 do, and 25th 13.15 do.

Highest Barometer, 30.302 at 5 a.m. on 6th. } Monthly Range, 1.707
 Lowest do, 28.631 at 6 a.m. on 1st March. }
 Highest Temperature 49.6 at 4 p.m. on 26th. } Monthly Range, 48.1
 Lowest do, 1.2 at 6 a.m. on 6th. }
 Mean Max. Therm., 33°.62 } Mean Daily Range, 19°.4
 Mean Min. do, 17°.11 }
 Greatest Daily Range, 49.2 } from an of 21st to an of 22nd
 Warmest Day, 26th. Mean Temperature, 39°.82 }
 Coldest Day, 4th. do }
 Warmest Hour, 3 p.m. do }
 Coldest Hour, 6 a.m. do }
 Mean Diurnal }
 Coldest Hour, 6 a.m. do }
 Mean Diurnal }
 Coldest Hour, 6 a.m. do }
 Mean Diurnal }
 Coldest Hour, 6 a.m. do }

The Means are the results of 25 hourly observations. The observations on Sundays are not included in the Means and Maxims.
 * Rain in inches on 7th, 0.200; 9th, 0.129; 9th, 0.206; 22th, 0.056; 24th, 0.165; 28th, 0.500.—Mean, 1.235. † Do on 8th, insignificant.

Sum of the Atmospheric Currents in miles resolved into Year. North, 1892.37; South, 1285.09; West, 2893.29; East, 620.27.

Mean velocity, 7.61 miles per hour. Mean velocity, 28.2 miles from 10 to 11 am on 15th. Mean velocity, 14th.—Mean velocity per hour, 2.57.

Least Windy Hour, 2 am; mean veloc. 5.97 miles per hour. Least Windy Hour, 2 am; mean veloc. 5.97 miles per hour.

Mean Diurnal Variation, 3.62 miles. (February was the most windy month of the last three years, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696