

GENERAL METEOROLOGICAL REGISTER FOR THE YEAR 1889.—MAGNETICAL OBSERVATORY, TORONTO, ONTARIO.

Latitude 43° 39' 4" North. Longitude 80° 17' 34" West. Elevation above Lake Ontario, 108 feet. Elevation above the Sea, 350 feet.

	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	1889.	8 88.	1887.	1886.	1885.	1884.
Mean Temperature.....	28.1	17.75	32.90	43.47	53.98	59.73	68.86	68.02	60.00	42.67	38.50	34.30	45.44	42.70	43.14	43.71	41.57	43.79
Difference from average (40 years).....	+ 5.80	- 4.78	+ 4.26	+ 2.71	+ 1.88	- 2.25	+ 1.19	- 1.33	- 3.61	- 3.61	- 4.57	- 8.33	+ 1.36	- 1.36	- 0.68	- 0.37	- 2.51	- 0.22
Thermic anomaly (lat. 43° 40').....	- 4.79	- 16.95	- 7.20	- 6.73	- 4.12	- 4.87	- 0.15	- 3.48	- 1.50	- 11.13	- 4.61	- 1.70	+ 1.36	- 1.36	- 0.68	- 0.37	- 2.51	- 0.22
Highest temperature.....	46.5	39.8	54.8	67.3	80.8	78.3	88.7	83.9	81.9	61.4	56.8	56.1	68.7	92.0	97.2	89.5	88.6	89.6
Lowest temperature.....	0.7	11.3	11.1	25.5	30.7	44.2	47.7	45.8	35.3	22.6	16.9	3.2	11.3	16.1	16.6	22.8	16.1	13.3
Monthly and Annual Ranges.....	37.0	51.1	43.7	41.8	50.1	34.1	41.0	38.1	46.6	38.9	39.9	52.9	100.0	108.1	113.8	112.3	104.7	102.9
Mean minimum temperature.....	33.46	26.05	39.34	51.68	63.23	68.53	78.36	75.44	68.16	49.81	43.89	40.54	52.9	56.8	56.8	56.8	56.8	56.8
Mean maximum temperature.....	21.42	8.04	26.64	34.94	44.64	52.03	59.88	56.69	51.97	35.57	33.23	27.86	43.89	43.89	43.89	43.89	43.89	43.89
Mean daily range.....	12.44	18.01	12.80	16.74	18.39	16.49	18.48	19.35	16.18	14.25	10.66	12.68	17.66	17.66	17.66	17.66	17.66	17.66
Greatest daily range.....	24.0	42.8	25.5	30.3	33.0	25.6	27.4	26.3	24.7	23.6	18.0	29.5	42.8	42.8	42.8	42.8	42.8	42.8
Mean height of Bar'or at 390 Fah.....	29.5753	29.6723	29.5564	29.5968	29.5411	29.5932	29.5748	29.6087	29.6392	29.6660	29.6480	29.7048	29.6177	29.6448	29.6448	29.6245	29.5893	29.6273
Difference from average (45 years).....	- 0.0719	- 0.0829	- 0.0468	- 0.051	- 0.0260	- 0.0248	- 0.0117	- 0.0374	- 0.0374	- 0.0374	- 0.0374	- 0.0374	- 0.0374	- 0.0374	- 0.0374	- 0.0374	- 0.0374	- 0.0374
Highest barometer.....	30.237	30.356	30.066	30.135	30.810	30.101	29.903	29.934	30.178	30.282	30.355	30.355	30.355	30.432	30.432	30.432	30.300	30.412
Lowest barometer.....	28.582	28.898	28.982	29.904	29.064	29.192	29.277	29.322	29.106	28.926	28.926	28.926	28.926	28.704	28.704	28.704	28.714	28.807
Monthly and Annual Ranges.....	1.655	1.458	1.084	1.231	0.746	0.909	0.626	0.583	1.024	1.070	1.356	1.437	1.753	1.639	1.903	1.531	1.556	1.605
Mean humidity of the air.....	82	82	73	68	70	81	75	74	78	73	81	82	77	74	75	77	77	76
Mean elasticity of aqueous vapour.....	0.130	0.090	0.137	0.197	0.305	0.419	0.531	0.454	0.422	0.203	0.197	0.165	0.271	0.241	0.261	0.260	0.249	0.261
Mean of cloudiness.....	0.73	0.66	0.61	0.58	0.45	0.56	0.45	0.52	0.51	0.66	0.72	0.74	0.63	0.63	0.63	0.61	0.61	0.63
Difference from average (25 years).....	- 0.1	- 0.3	- 0.3	- 0.1	+ 0.9	+ 0.15	- 0.05	- 0.02	- 0.04	- 0.04	- 0.06	- 0.03	+ 0.01	+ 0.01	+ 0.01	- 0.01	- 0.01	+ 0.01
Resultant direction of wind.....	S 73° W	S 85° W	S 34° W	S 34° W	S 62° W	S 49° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W	S 63° W
“ velocity of the wind.....	3.58	5.04	4.42	2.75	1.94	1.43	1.02	1.72	0.84	1.07	1.17	1.25	2.04	2.04	1.97	2.13	2.60	3.20
Average velocity (miles p hour).....	10.51	11.12	9.70	9.01	8.17	6.72	7.47	7.63	8.32	9.29	9.73	11.22	9.68	9.73	9.56	9.73	9.98	10.20
Differences from average (14 years).....	- 1.00	+ 0.17	- 1.92	- 1.83	- 0.80	- 0.99	- 0.10	- 0.12	+ 0.21	- 0.83	+ 0.14	- 0.60	+ 0.60	+ 0.30	+ 0.05	+ 0.05	+ 0.05	+ 0.05
Total amount of rain.....	1.345	0.280	0.000	1.400	3.140	3.553	3.200	0.425	2.080	1.570	2.710	4.516	24.575	22.819	17.969	27.726	26.351	29.532
Difference from average (49 years).....	+ 0.193	- 0.611	- 1.503	- 0.827	+ 0.168	+ 0.092	+ 0.244	- 2.418	- 0.464	- 0.464	+ 0.028	+ 3.017	24.575	22.819	17.969	27.726	26.351	29.532
Number of days of rain.....	15	3	0	7	15	17	13	10	14	14	16	17	127	133	156	112	103	123
Total amount of snow.....	21.2	20.9	9.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Difference from average (46 years).....	+ 3.81	+ 3.73	- 3.13	- 0.56	- 0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Number of days of snow.....	15	17	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of fair days.....	13	9	22	20	16	13	18	21	16	17	10	12	187	175	203	196	203	184
Number of days completely clouded.....	11	9	6	5	5	3	0	0	3	10	13	14	17	175	203	196	203	184
Number of Auroras observed.....	0	0	4	1	0	0	1	0	0	0	0	0	0	0	21	25	29	31
Possible to see Aurora (No. of nights).....	9	10	15	16	17	9	16	23	16	16	10	12	169	183	180	189	196	202
Number of Thunderstorms.....	0	0	0	3	7	6	5	4	2	1	6	4	0	0	22	26	19	30
Number of fogs.....	0	1	2	3	7	6	5	4	2	1	6	4	0	0	22	26	19	30
Number of hours bright Sunshine.....	76.4	99.0	150.9	189.8	292.3	181.3	293.2	299.8	291.9	127.6	67.9	77.1	1909.2	2048.3	2063.5	2034.4	2018.3	1831.8
No. of hours of possible Sunshine.....	285.7	291.4	366.9	406.4	461.1	465.7	470.9	484.5	476.4	340.2	286.9	274.3	4463.3	4474.4	4483.3	4463.3	4463.3	4474.4