



MARITIME CANADA CLIMATE SUMMARY April 2021

Above Normal Temperature Trend for 2021 Continues through April for Most

April temperatures were above normal across most of the region with positive anomalies of 2 to 3 C in some locations. For several stations in NS and NB it ranked in the top 5 on record. It was the warmest recorded at Malay Falls, Ingonish and Eskasoni NS and 2nd warmest at Charlo, Fundy and St Stephen NB. For precipitation, there was a marked contrast between east and west. Western NS and SW NB received near to normal amounts while parts of Cape Breton received more than twice the average. It was the wettest April since records began in 1850 at Sydney with 277.1mm. This was exceeded at Ingonish Beach where a drenching 391.0mm fell - the 2nd wettest since 1951. Except for northwestern NB, snowfall amounts were well below normal. Mainland NS, PEI and Southern NB received less than 15cm for the month.

The Warmest (°C)

22.1
22.5
20.6

The Coldest (°C)

New Brunswick	
Edmundston	-14.6
Nova Scotia Upper Stewiake	-7.1
Prince Edward Island	
Summerside A.	- 4.2

The Wettest (Total mm)

New Brunswick	
Bathurst A	159.5 mm
Nova Scotia	
Ingonish Beach	391.0 mm
Prince Edward Island	
Charlottetown A	82.8 mm

The Capital Stats

	Mean	Temperat	Extremes		
Station Name	Monthly Mean	Normal Mean	Diff from Normal	Max (Date)	Min (Date)
Charlottetown Airport	4.5	3.1	1.4	20.6 (25)	-5.0 (16)
Halifax Shearwater A.	6.8	4.3	2.5	19.3 (28)	-1.8 (11)
Fredericton	6.5	4.8	1.7	22.1 (29)	-7.1 (3)

	Tot	tal Precipit	Snowfall		
Station Name	Monthly Total	Normal Total	Percent Normal	Total (cm)	Max SOG (Date)
Charlottetown Airport	82.8	83.7	99	15.4	4 (3)
Halifax Stanfield Airport	127.7	114.5	110	6.8	2 (17)
Fredericton	115.3	85.9	134	М	М

Daily Temperature Records

Numerous new daily high temperature records were set (19 in NS, 9 in NB, 1 in PEI) however, it was more a case of daily records at stations with a short period of record rather than any periods of outstandingly mild weather. In the eyes of the public April was probably not perceived as an above normal month. The continuing above normal trend for 2021 was more likely due to higher minimum temperatures. This is supported by only one new daily minimum being set in the region at Edmundston with -7.2 C (24^{th}).

Other Significant Events (information provided by Climate Services, ECCC)

Apr 1-4: A low-pressure system moved in from the southwest and stalled over the region before slowly weakening. It brought heavy freezing rain to eastern parts of the region as well as heavy rainfall and high winds. The entire region received significant rainfall generally in excess of 40mm. Eastern NS received the heaviest precipitation with amounts in the 80 to 170mm range which resulted in some flooding and road damage. There was also a prolonged period of freezing rain, which affected parts of central/eastern NS and PEI, resulting in downed power lines and thousands of customers losing power. Strong winds accompanied the storm with the highest gusts across eastern NS and PEI in the 70 to 100km/h range.

Freezing rain warning ends on P.E.I. | CBC News

Cape Breton bears brunt of freezing rain storm | CBC News

Storm damage to Inverness roads will take weeks to repair, says deputy warden | CBC News

ADI 12-14: A slow moving low-pressure system southeast of the region generated high winds and some rain across eastern areas. Rainfall amounts were generally less than 30mm with the highest amounts over Cape Breton NS. Winds were not extreme with maximum gusts generally in the 60 to 80km/h range, however, a vehicle crossing a bridge in Cape Breton was over-tuned by the high winds. <u>Crash left pickup truck wedged on Cape Breton's Seal Island Bridge | CBC News</u>

Apr 16-18: A slow moving low-pressure system from the US passed by to the south of the Maritimes bringing rain, snow and strong winds to southern parts of the region. The highest precipitation totals were in the 25 to 45mm range with some significant snow accumulations in the 5 to 20cm range reported in all 3 provinces. Ingonish Beach NS reported the highest precipitation amount at 118.2mm. The strongest winds were in NS with some coastal locations reporting gusts in the 65 to 85km/h range. Les suetes winds reached 119km/h at Grand Etang.

Apr 30-May 1: A developing storm tracked eastward through NS toward NL bringing heavy rain and strong winds to the Maritimes. The heaviest rain was across southern NB, PEI and NS with the highest amounts in the 30 to 55mm range. The highest winds affected PEI and NS with peaks gusts in the 70 to 85km/h range. Les suetes winds reached 141km/h at Grand Etang. The high winds forced a delay to the start to the Lobster Fishing Season in all 3 Maritime provinces. Windy forecast delays setting day for southern P.E.I. lobster crews as well | CBC NewsP.E.I.'s spring lobster season set to open Tuesday | CBC News

Compiled by Peter J. Lewis with data and information provided by Client Service Operations Atlantic, Meteorological Service of Canada Environment and Climate Change Canada / Government of Canada.

Other CMOS News

Funding Opportunity: The Ocean Startup Project has launched their second Ocean Startup Challenge, where they will award up to \$1.4 million to ocean tech startups. If you are an ocean tech innovator or entrepreneur, you can find more details and the application page <u>here</u>.

CMOS Congress: The 55th Annual CMOS Congress is taking place online from May 31st – June 11th, hosted by Victoria, BC. Click <u>here</u> to register. Keep an eye on the <u>CMOS YouTube Channel</u> for new posts throughout the week.

Educators' Day: Educators' Day is a one-day event that takes place within the congress framework. This year it will take place on Friday, June 4th, 12:00PM-5:00PM Eastern Time. All activities will be conducted online. The intended audience is K-12 school teachers and other educators of grade school children. Some sessions will be suitable for classroom audiences. For more information and a link to the registration page, click <u>here</u>.

Public Lecture: The **Public Speaker Lecture** will be presented via <u>Zoom</u> on Wed., June 2 by Gavin Schmidt, Director of NASA's Goddard Institute for Space Studies in New York, and recently appointed as the NASA Senior Climate Advisor to the White House. Dr. Schmidt will speak on "Can climate modeling keep up with climate change?"

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