New Brunswick

October 2019 Review November 2019 and Fall Outlook

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Meteorological Service of Canada Environment and Climate Change Canada November 1, 2019



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October 2019; Climate Summary

				Mean Temperature (°C)		Total Precip (mm)				
										Diff from
									Total as	Normal
			Station	Monthly	Normal	Diff from	Monthly	Normal	% of	as % of
Station Name	Prov	TC ID	Туре	Mean	Mean	Normal	Total	Total	Normal	Normal
BAS CARAQUET	NB	WXS	AU8	8.3	7.6	0.7				
BAS CARAQUET	NB		DAILY				130.4	108.0	121	21
BATHURST A	NB	ZBF	NCA	7.5	6.8	0.7	117.1	122.9	95	-5
BOUCTOUCHE CDA CS	NB	ABT	AU8	8.2	7.9	0.3	110.4	95.4		16
CHARLO AUTO	NB	ZCR	AU8	7.3	5.7	1.6	136.4	84.0	<u>162</u>	62
MIRAMICHI RCS	NB	ACQ	AU8	8.3	6.9	1.4	111.4	89.7	124	24
DOAKTOWN AUTO RCS	NB	ADN	AU8	7.7	7.0	0.7	114.3	100.8	113	13
EDMUNDSTON	NB	ERM	AU8	6.1	5.8	0.3				
FREDERICTON INTL A	NB	YFC	NCA	8.2	7.5	0.7	105.1	89.1	118	18
FREDERICTON CDA CS	NB	AFC	AU8	8.9	7.8	1.1	112.5	89.7	125	25
GRAND MANAN SAR CS	NB	XGM	AU8	8.6						
KOUCHIBOUGUAC	NB	AKC	AU8	7.8	7.6	J 0.2				
MECHANIC SETTLEMENT	NB	AMS	AU8	7.7			164.7			
MISCOU ISLAND (AUT)	NB	WMI	AU8	8.7						
MONCTON INTL A	NB	YQM	NCH	8.3	7.6	0.7	102.7	113.4	→ <u>91</u>	-9
OAK POINT	NB		DAILY	9.2	8.6	0.5	130.0	105.7	123	23
POINT LEPREAU CS	NB	WPE	AU8	9.8	7.6	2.2				
RED PINES	NB	ARP	AU8	7.3	6.5	0.7				
SAINT JOHN A	NB	YSJ	NCH	8.3	7.6	0.8	176.0	116.4	151	51
ST. STEPHEN	NB	WSS	AU8	8.8						
SUSSEX FOUR CORNERS	NB	ASF	AU8	8.3	8.1	0.2	98.2	106.5	92	-8
WOODSTOCK	NB		DAILY	7.9	6.6	1.3	112.8	95.3	118	18
WOODSTOCK NEWBRIDGE	NB	EWD	AU8	7.1	6.6	0.6	110.9	95.3	116	16
Average				8.1	7.2	0.8	122.2	100.9	119	19
Max				9.8	8.6	2.2	176.0	122.9	162	62
Min				6.1	5.7	0.2	98.2	84.0	91	-9

Highlights:

The average temperature anomaly was above normal (+0.8C). All sites reported a positive. Point Lepreau reported the largest positive anomaly at +2.2C.

Total precipitation amounts were above normal, with an average of 119% of total precipitation. Three sites were slightly below normal. Charlo reported the largest positive anomaly at 162%.

Canada

October 2019; Climate Summary

Events:

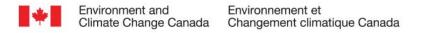
October 17; Fall storm. A low pressure system intensified rapidly off the US east coast bringing strong wind and some rain. Amounts varied across the province (10-30 mm) with the northeast receiving the most rain of 42 mm at Heath Steele (NB forestry site). Winds gusted out of the east and as high as 98 km/h in Saint John.

October 23; Rain event. A low pressure system brought steady rain and isolated thunderstorms to most areas of the province. Generally 20-50 mm fell, however, the Saint John area received 59 mm of rain.

October 31; Halloween storm. Rain begin but continued into November 1. Please see next month's summary for details.

Days with thunderstorm activity (lightning) in New Brunswick; 1 17 23 (3 days)

Days with temperature records broken or tied in New Brunswick; none (red=maximum, blue=minimum)





October 2019; Provincial Climate Extremes

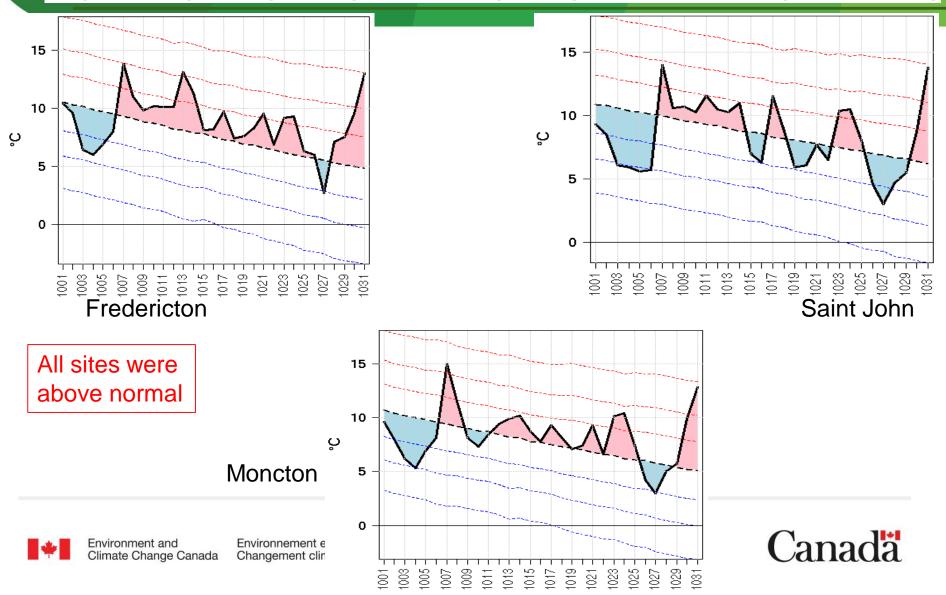
Parameter	Value	ECCC Station	Day of month
Daily Maximum Temperature	+19.3 °C	Moncton	31
Daily Minimum Temperature	-6.1 °C	Edmundston	27
Maximum Daily Total Precipitation	59.2 mm	Saint John	23
Daily Maximum Wind Gust	98 km/h	Saint John	17





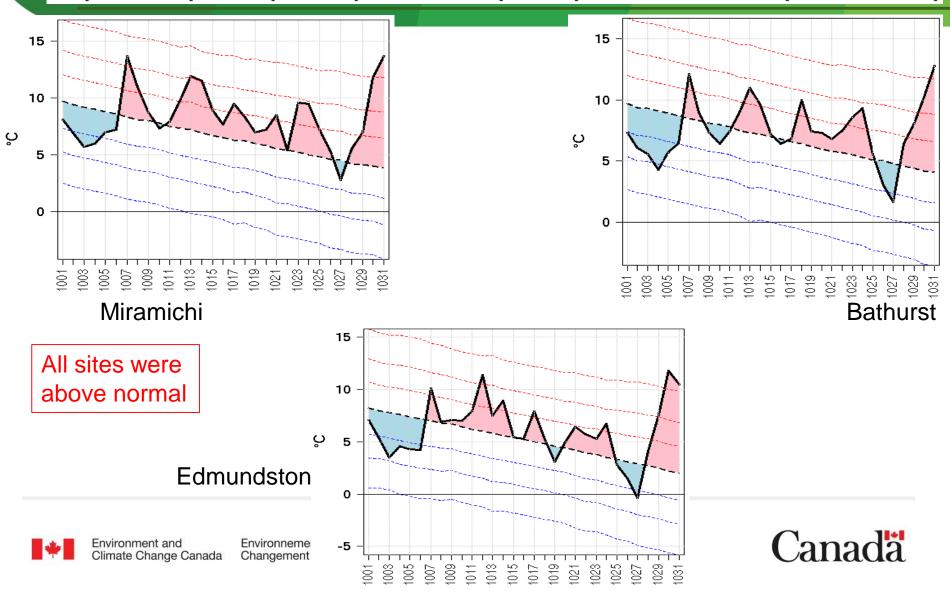
October 2019 - Temperature

Daily Mean Temperature (bold line) versus Normal (thin line) and +/- 0.7, 1.3, 2.1 SD (red/blue dashes)



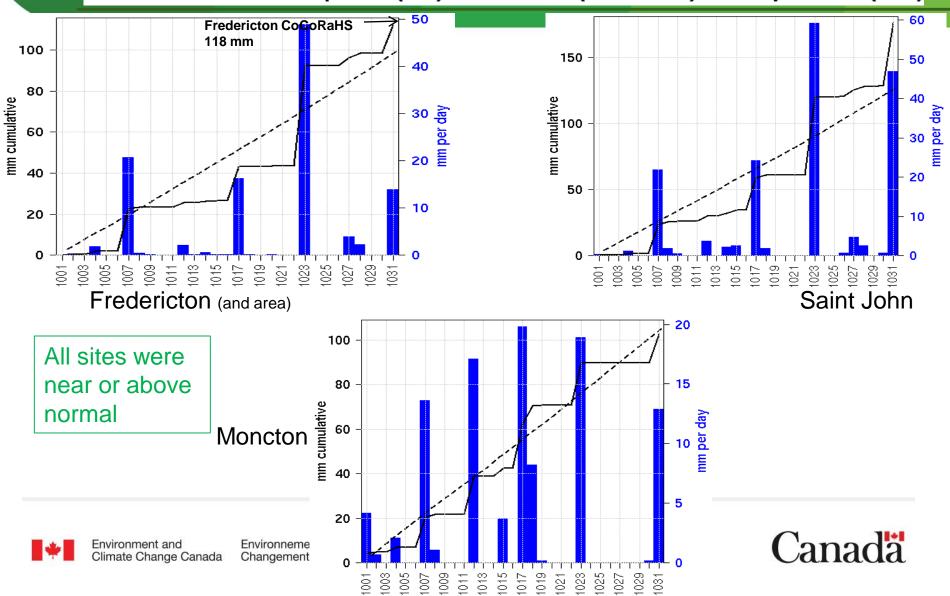
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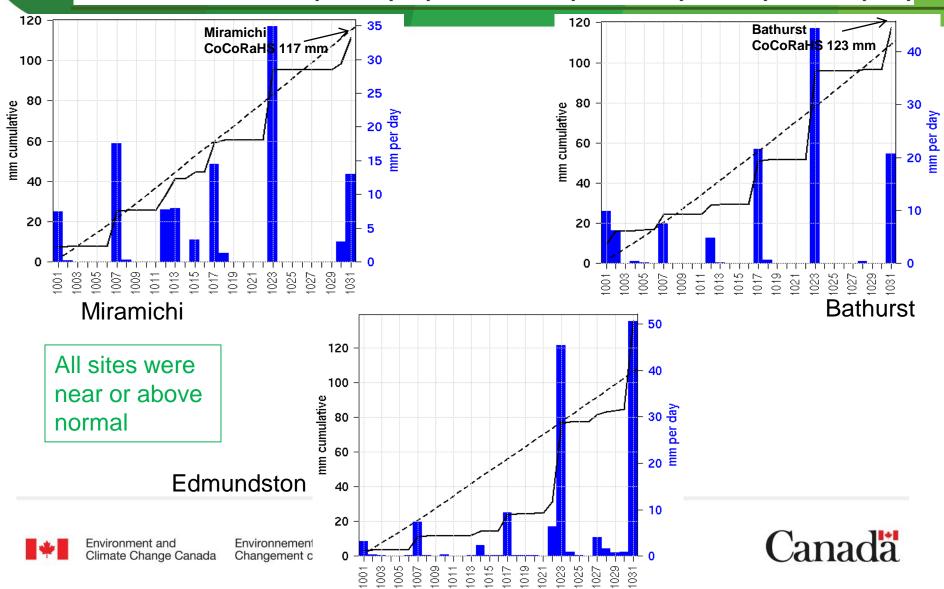
October 2019 - Precipitation

Observed Cumulative Precipitation (line) versus Normal (dashed line) and Daily Amounts (bars)

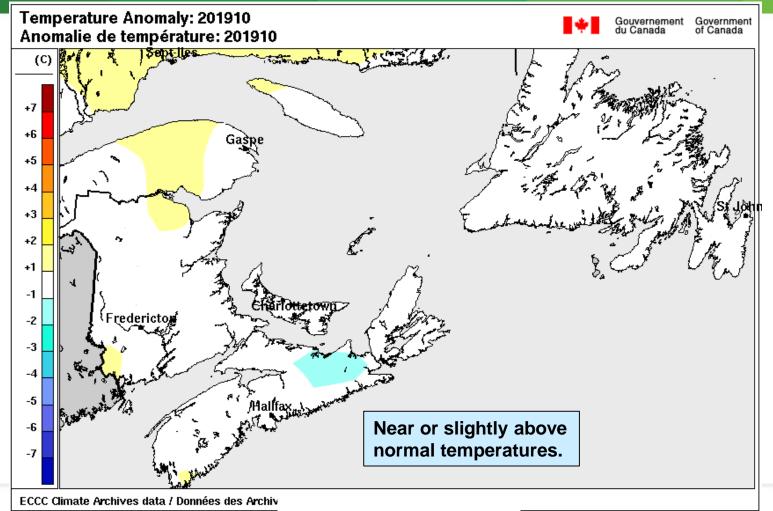


October 2019 - Precipitation

Observed Cumulative Precipitation (line) versus Normal (dashed line) and Daily Amounts (bars)



October 2019 – Temperature departure from 1981-2010 mean



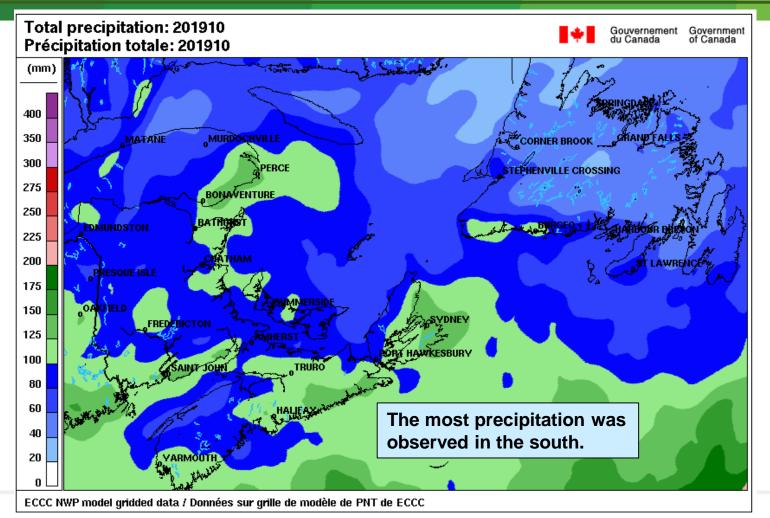


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October 2019 – Total precipitation

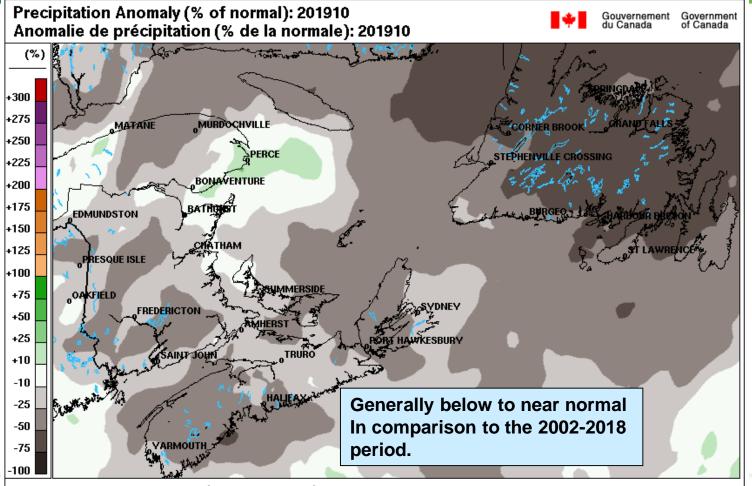


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October 2019 – Precipitation departure from 2002-2018 mean



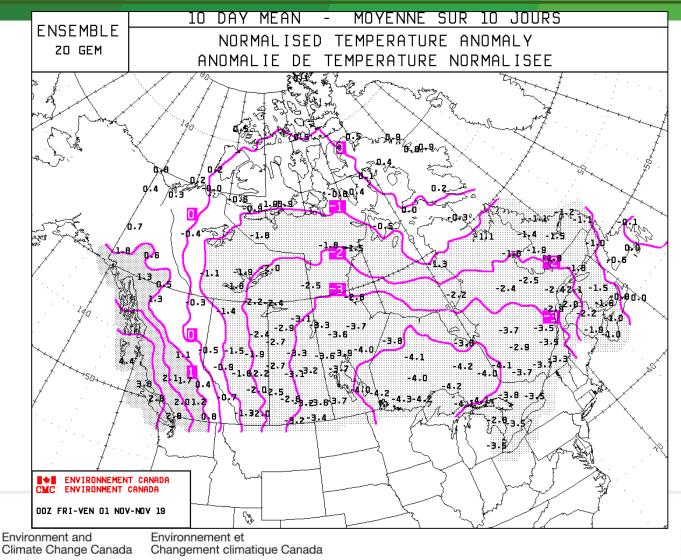
ECCC NWP model gridded data / Données sur grille de modèle de PNT de ECCC. Normal: 2002-2018





Outlook – 10 day mean temperature

(Suggesting below normal conditions (-1.5 to -2.6°C))



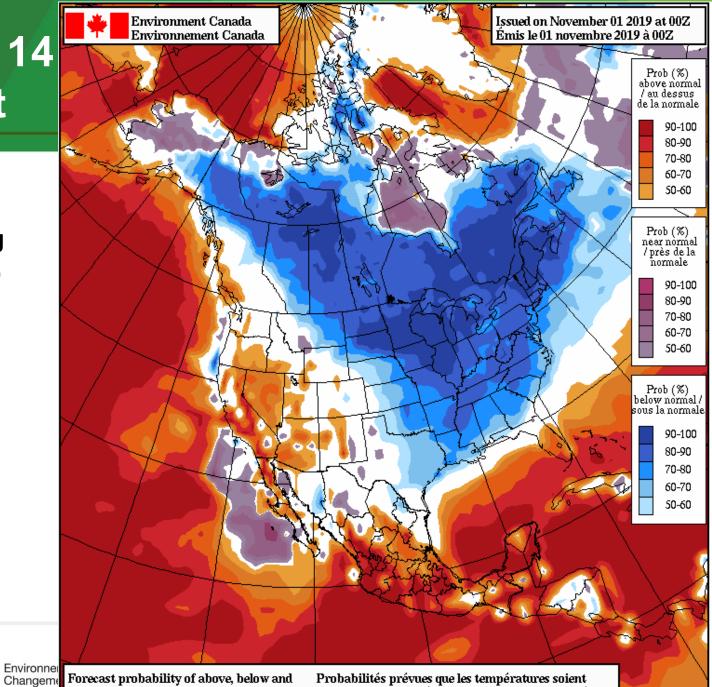
10 day forecast ending November 11, 2019



Day 8 to 14 Forecast

Period ending November 16, 2019

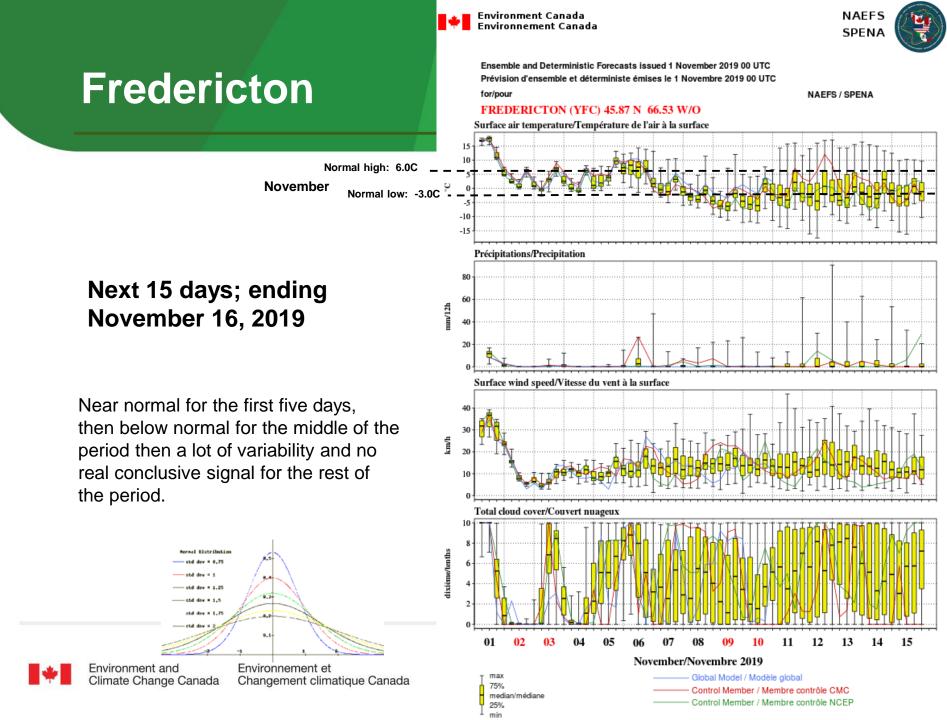
Suggesting below normal conditions.

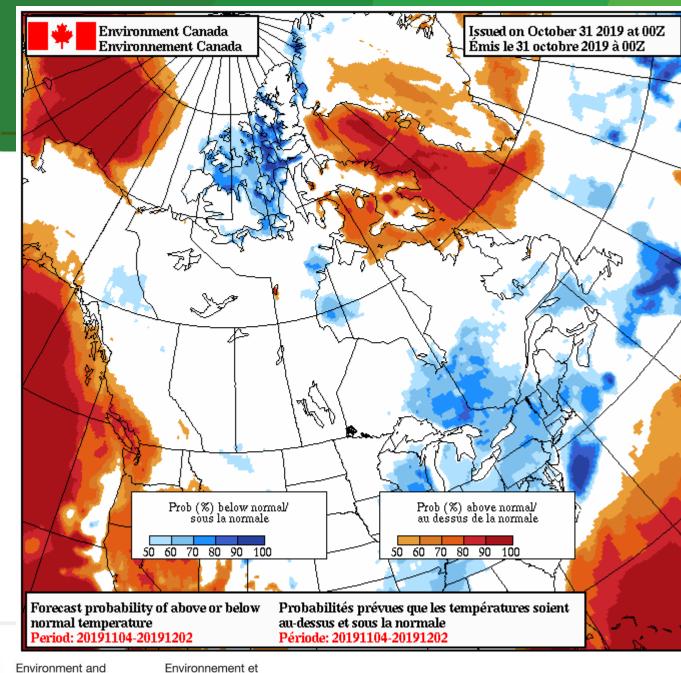




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Forecast probability of above, below and near normal temperature (no calibration) Period: 20191109-20191116 Probabilités prévues que les températures soient au-dessus, sous et près de la normale (non-calibrées) Période: 20191109-20191116





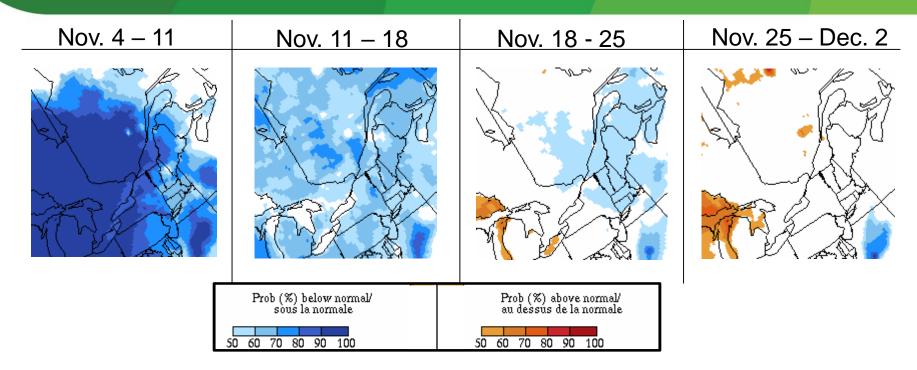
Temperature November 4 to December 2

CMC Monthly Forecast Product using GEPS 50km res.

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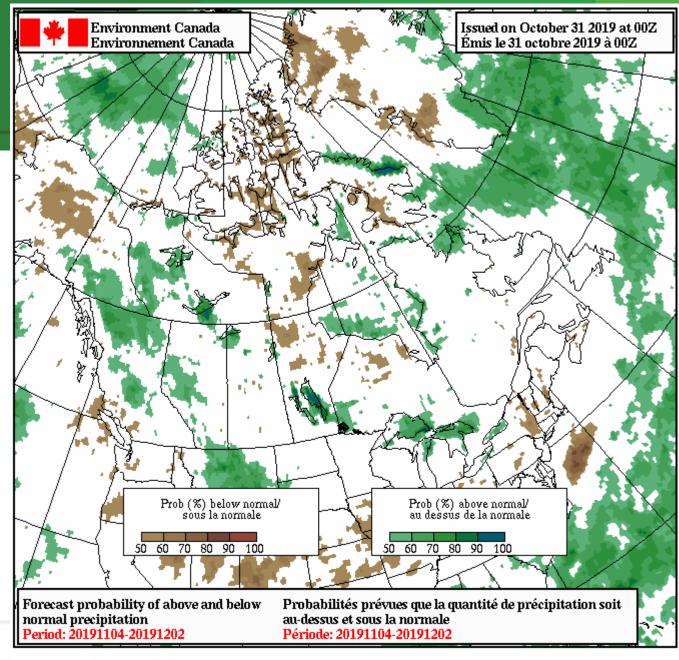
Weekly signature from GEPS 50km resolution



There is a signal of below normal for the first week and then gradually transitions to near normal (no real conclusive signal) by the last week.







Precipitation November 4 to **December 2**

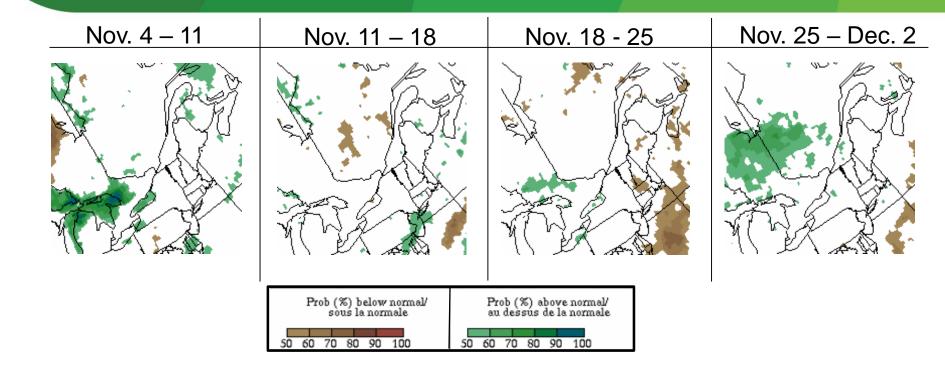
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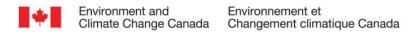


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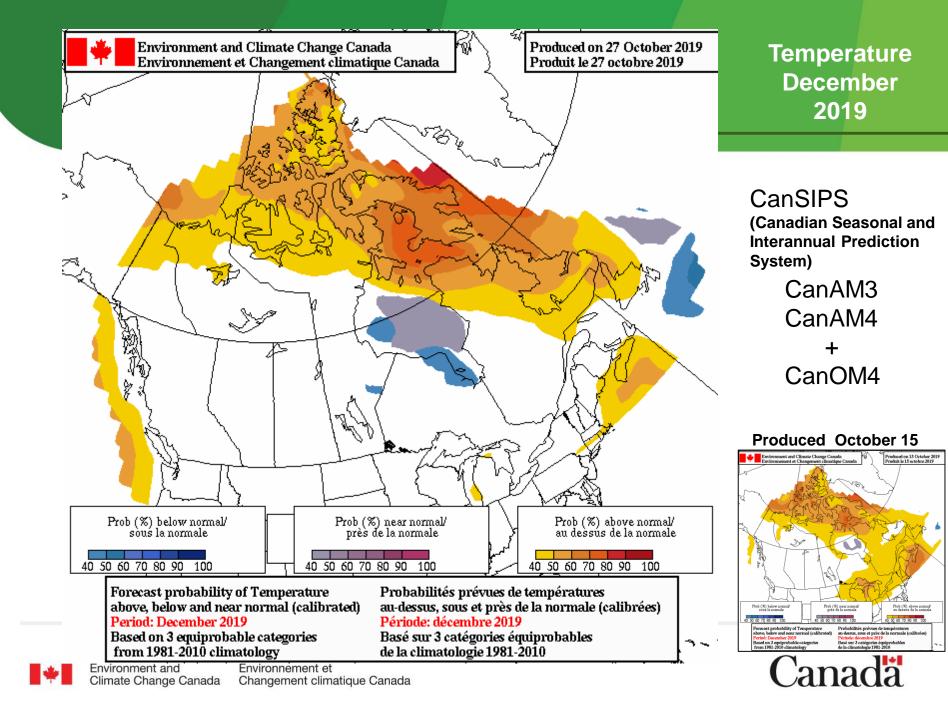
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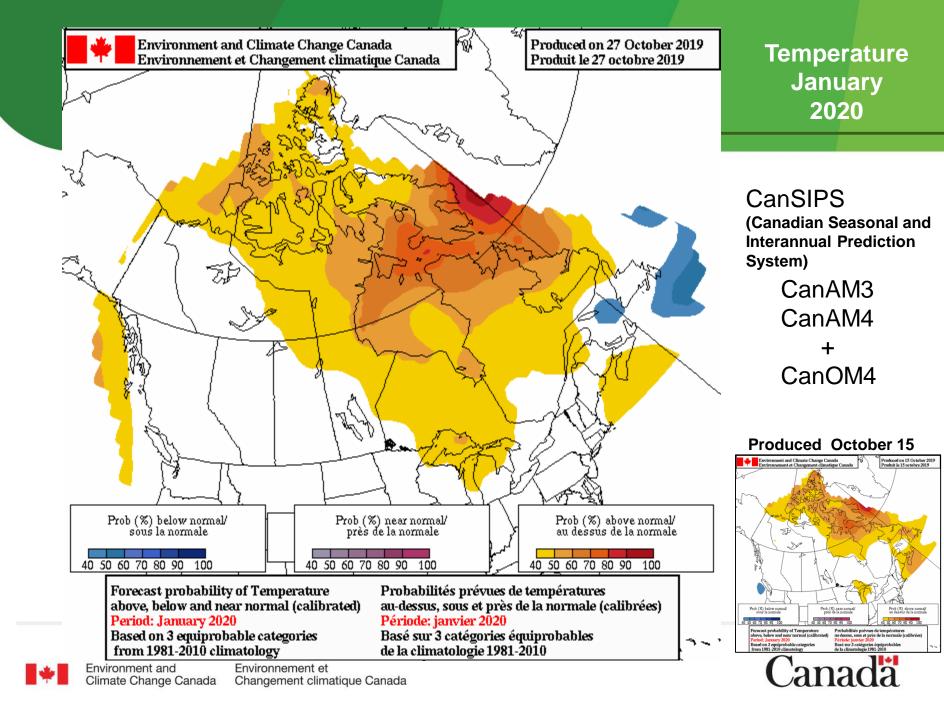


No real conclusive signal for the period (as is usually the case for precipitation).

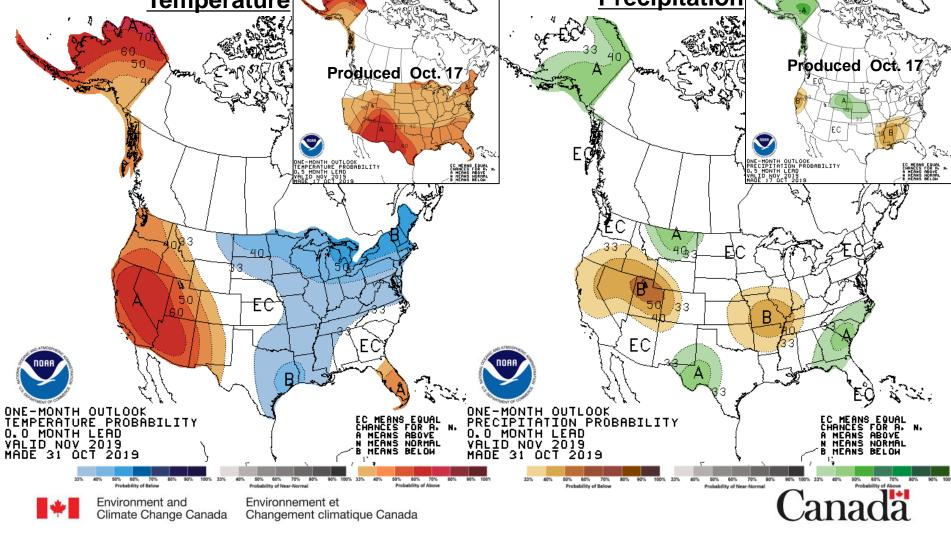














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Environment and Climate Change Canada Weather Pages www.weather.gc.ca



