



# Climate Prediction Center

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NCEP Quarterly Newsletter

Climate-Weather  
El Niño/La Niña  
MJO  
Blocking  
AAO, AO, NAO, PNA  
Climatology  
Global Monsoons

Expert Assessments  
Index Products

Outlooks (Forecasts)  
Index Products Verification

Monitoring and Data  
Index Products

Crosscutting Themes  
Ocean Climate  
Stratosphere  
Pacific Islands  
International Desks

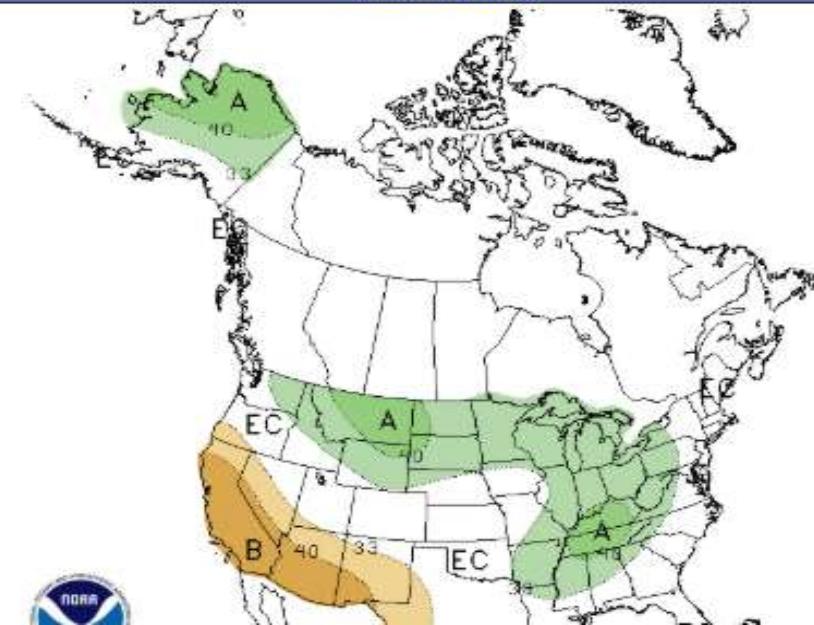
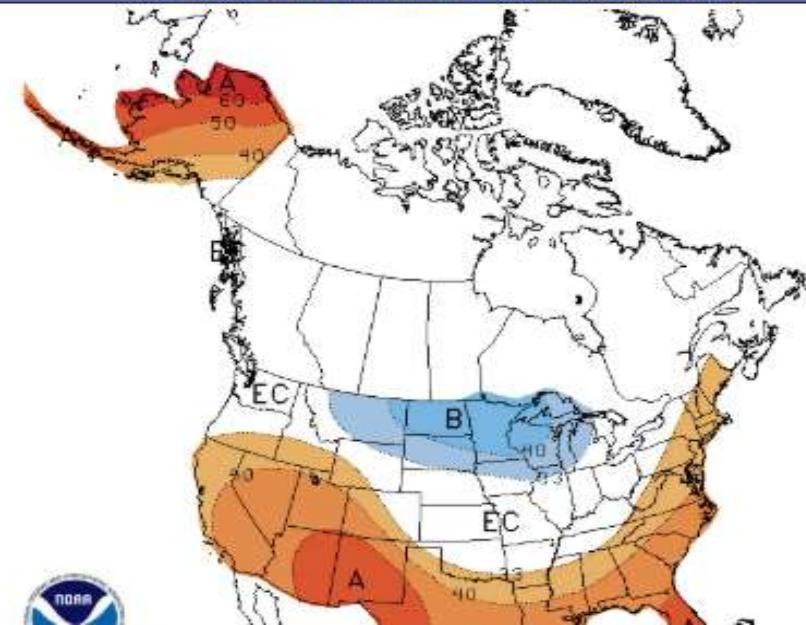
Partnerships  
Climate.gov  
Climate Test Bed  
NOAA Interagency  
JAWF  
USAID  
Alaska

## Climate News

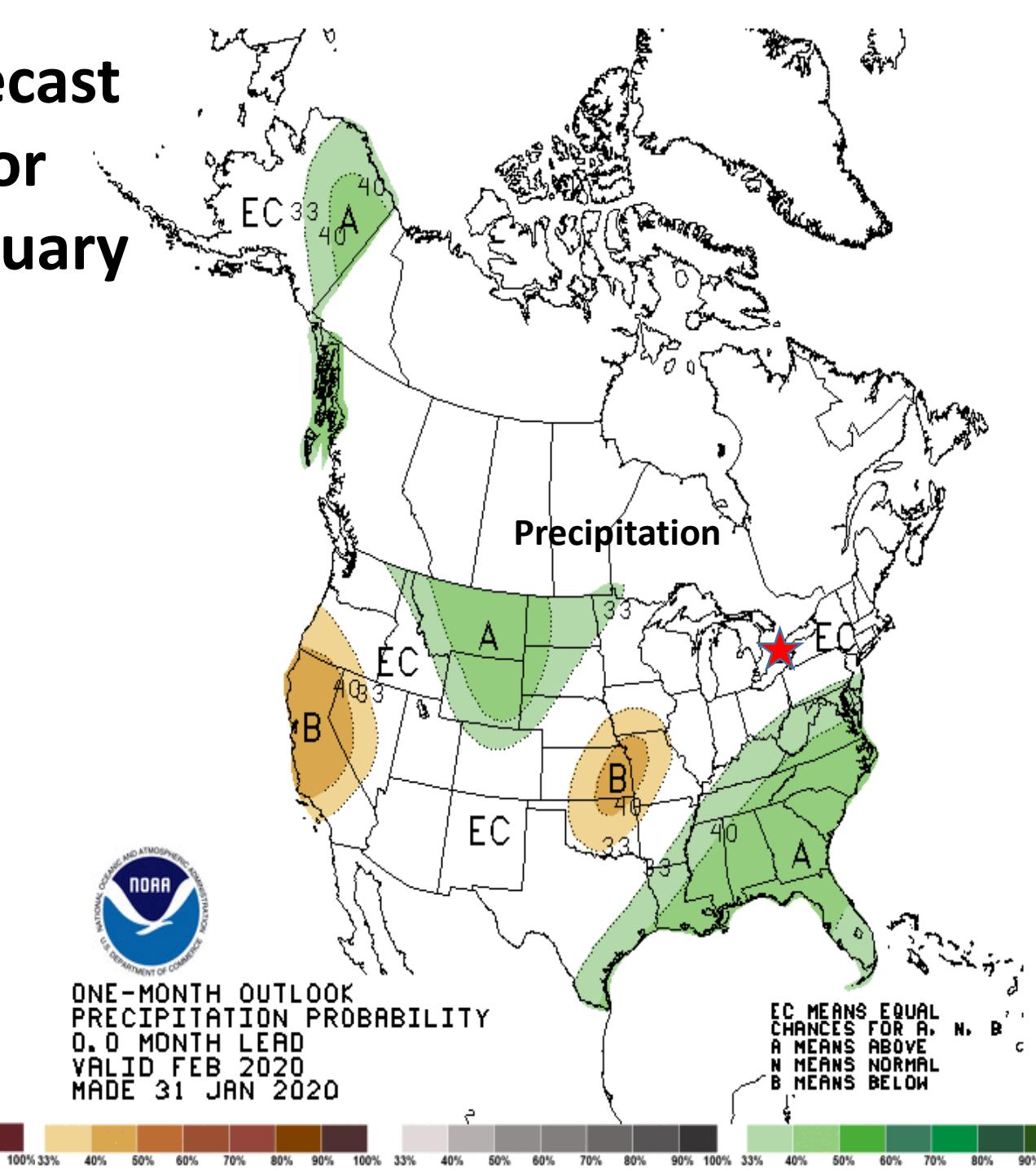
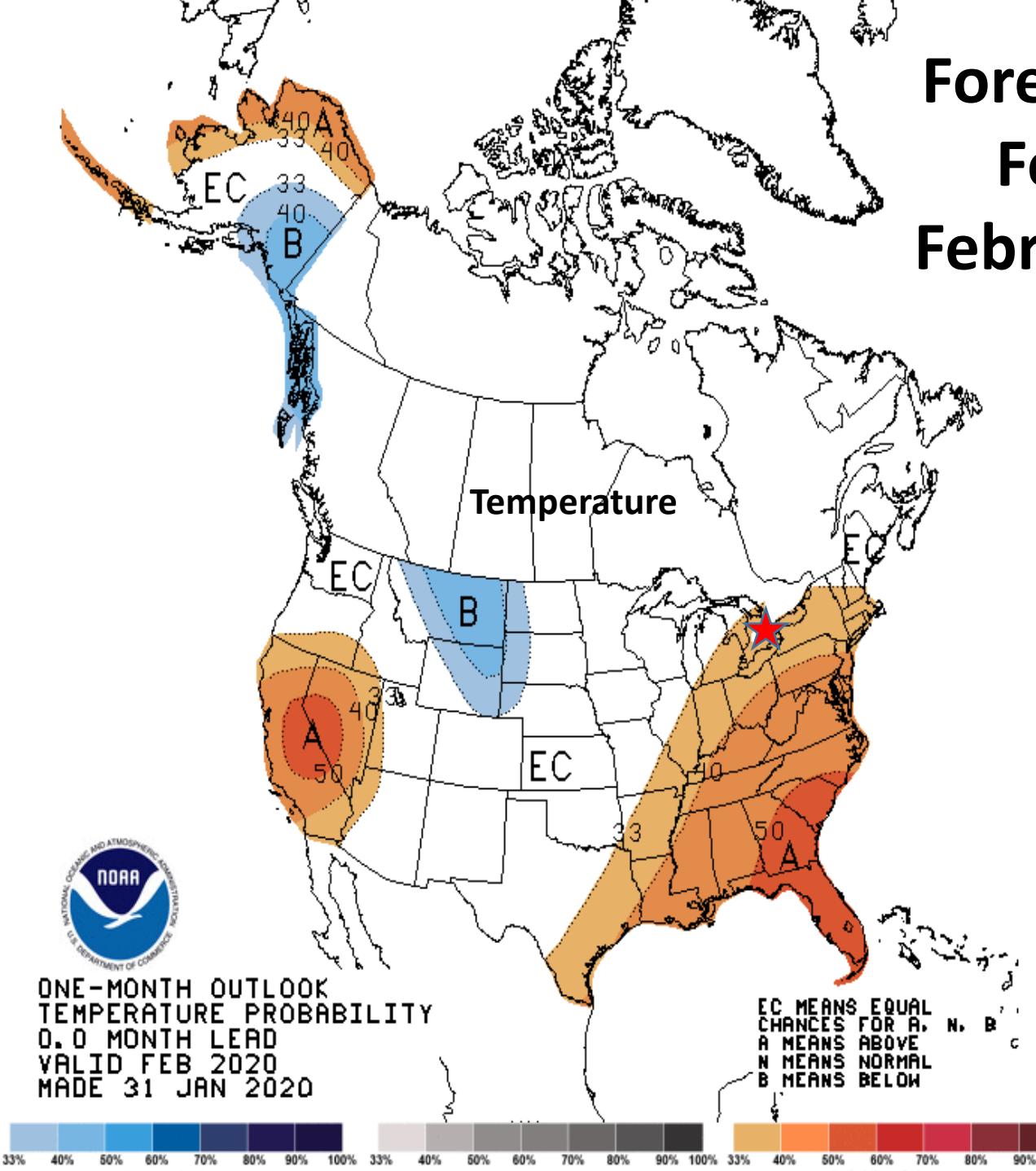
- [2019 Winter Outlook, NOAA Press Release \(17 October 2019\)](#)
- [NWS/Climate Prediction Center Winter Outlook for 2019 \(17 October 2019\)](#)

Click on product title to go to product page. Move cursor over product parameter name to display the graphic -- click to enlarge. Links to these same products are also available below.

<a href="#">6-10 Day Outlook (Interactive)</a>	<a href="#">Temperature</a>	<a href="#">Precipitation</a>	<a href="#">One Month Outlook (Interactive)</a>	<a href="#">Temperature</a>	<a href="#">Precipitation</a>
<a href="#">8-14 Day Outlook (Interactive)</a>	<a href="#">Temperature</a>	<a href="#">Precipitation</a>	<a href="#">Three Month Outlook (Interactive)</a>	<a href="#">Temperature</a>	<a href="#">Precipitation</a>
<a href="#">Week 3-4 Outlooks</a>		<a href="#">Temperature</a>	<a href="#">Exp. Precipitation</a>	<a href="#">Composite</a>	<a href="#">8-14 Day U.S. Hazards Outlook</a>
<a href="#">U.S. Drought Information</a>	<a href="#">Monitor</a>	<a href="#">Monthly Outlook</a>	<a href="#">Seasonal Outlook</a>	<a href="#">Probabilistic:</a>	<a href="#">Temp</a> <a href="#">Precip</a> <a href="#">Snow</a> <a href="#">Wind</a>

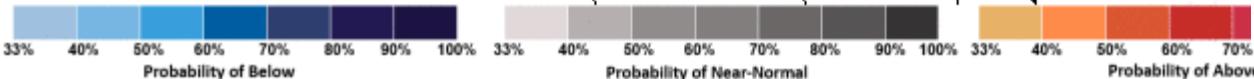


# Forecast For February





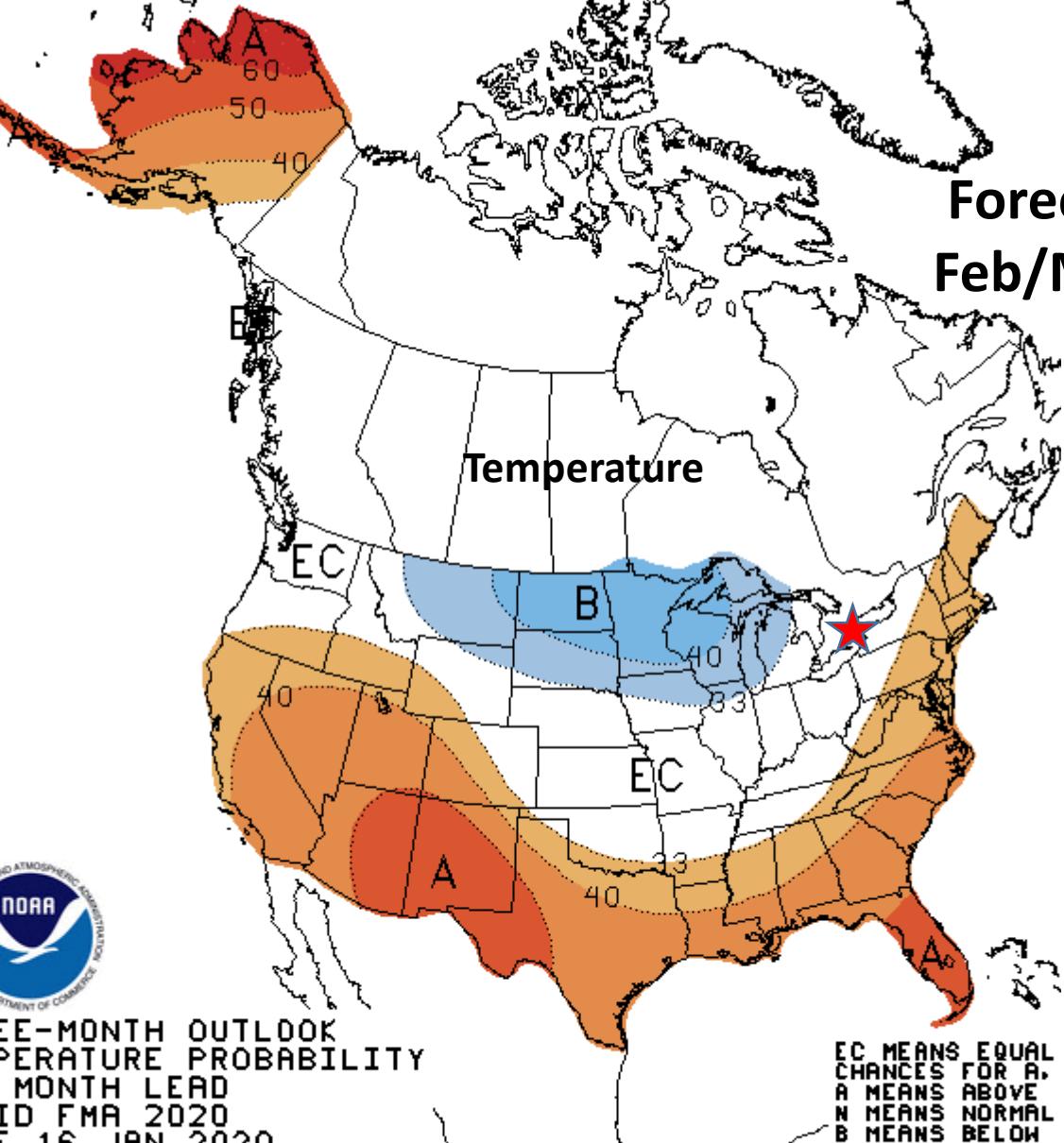
THREE-MONTH OUTLOOK  
TEMPERATURE PROBABILITY  
0.5 MONTH LEAD  
VALID FMA 2020  
MADE 16 JAN 2020



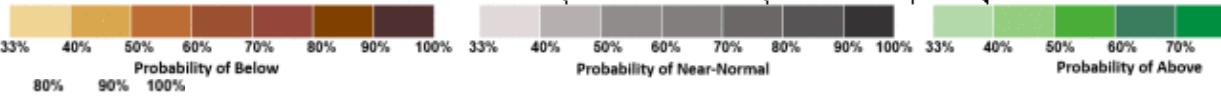
EC MEANS EQUAL  
CHANCES FOR A.  
A MEANS ABOVE  
N MEANS NORMAL  
B MEANS BELOW

## Forecast For Feb/Mar/Apr

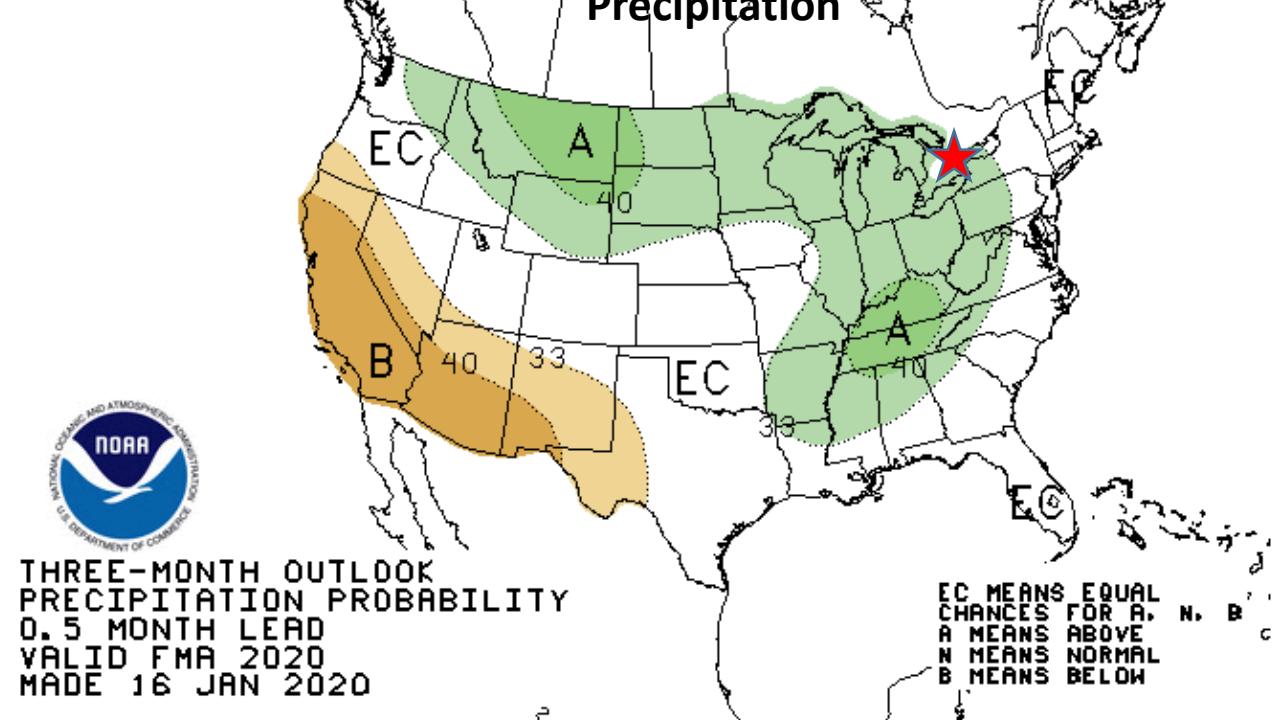
Temperature



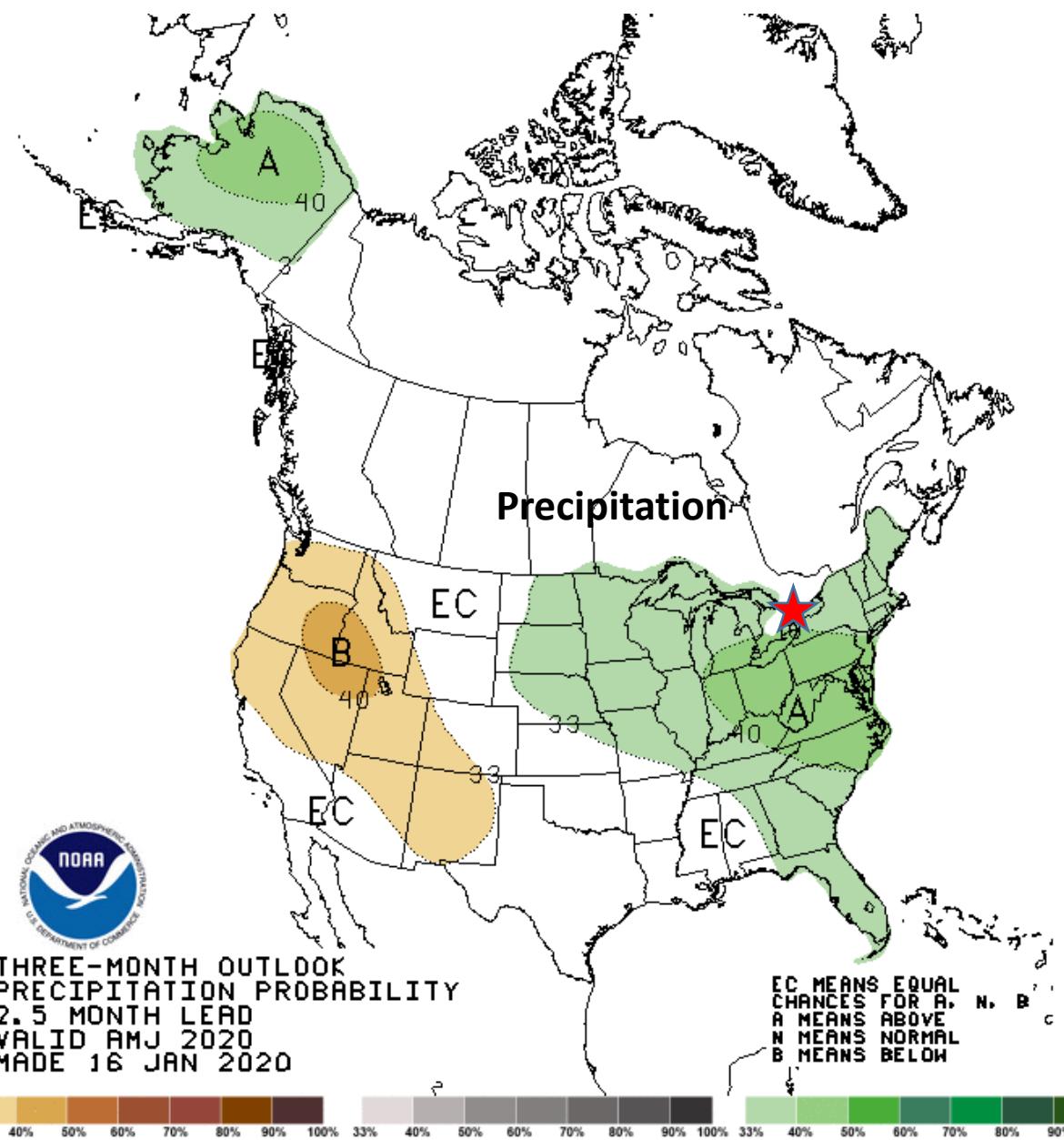
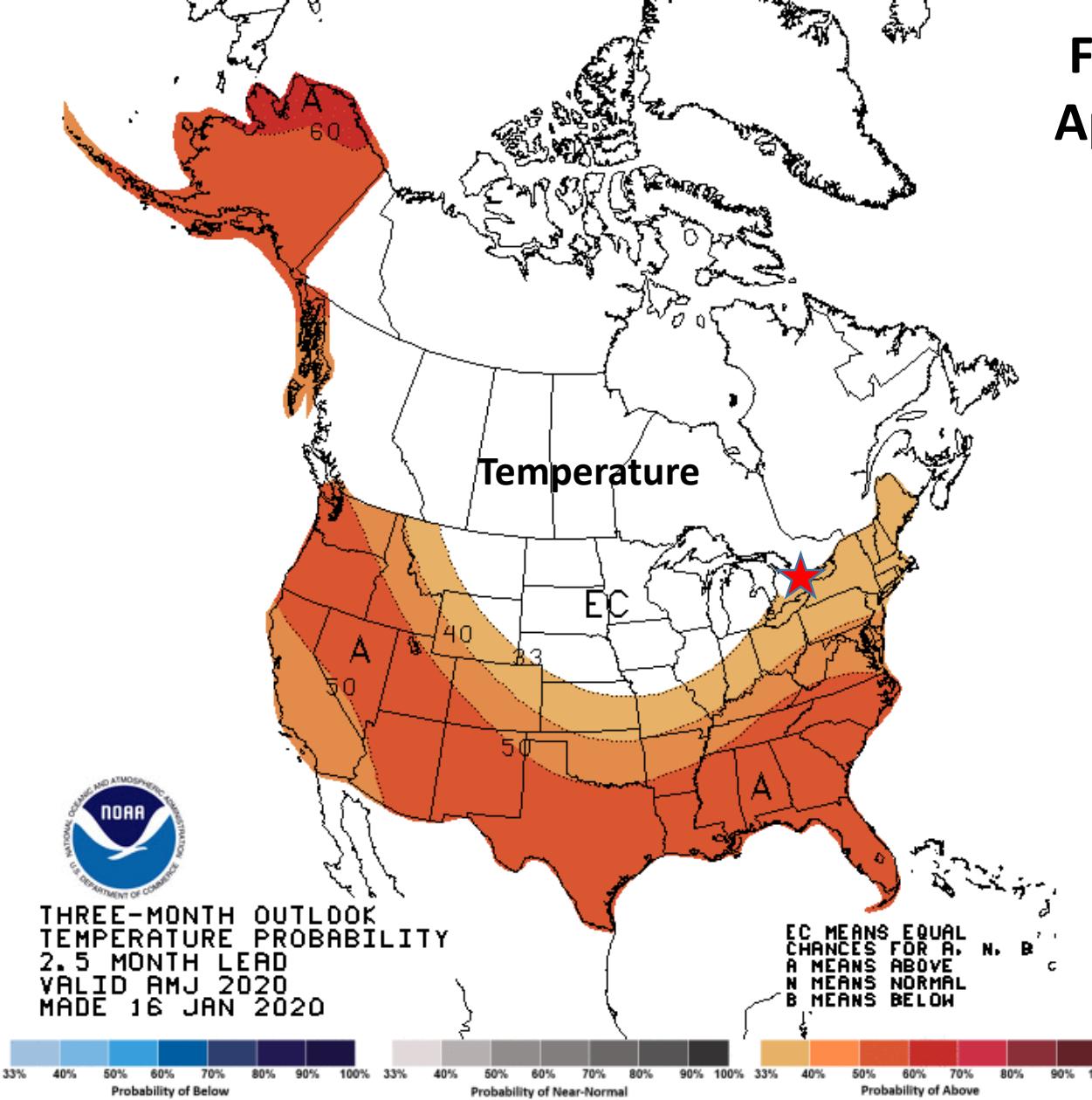
THREE-MONTH OUTLOOK  
PRECIPITATION PROBABILITY  
0.5 MONTH LEAD  
VALID FMA 2020  
MADE 16 JAN 2020



EC MEANS EQUAL  
CHANCES FOR A, N, B  
A MEANS ABOVE  
N MEANS NORMAL  
B MEANS BELOW



# Forecast For Apr/May/Jun



## **Analyses**

- [Surface](#)
- [Regional Deterministic Precipitation Analysis](#)
- [Sea Surface Temperature](#)
- [Sea Ice Cover](#)
- [Snow Depth](#)
- [Stratospheric Ozone](#)
- [Upper Air Analyses](#)

## **Seasonal Forecasts**

- [Probabilistic Forecasts](#)
- [Deterministic Forecast](#)
- [Skill of the Deterministic Forecast System](#)
- [Verification of Past Forecasts](#)
- [Climatology of Temperature and Precipitation](#)
- [Sea surface temperature anomalies and snow cover](#)
- [Seasonal Forecasts Numerical Data](#)

## **Modelling**

- [Regional Deterministic Prediction System \(RDPS\)](#)
- [Global Deterministic Prediction System \(GDPS\)](#)
- [Air Quality Model Forecasts](#)
- [Canada's Wildfire Smoke Prediction System: FireWork \(early April to late October\)](#)
- [Wave Model](#)
- [Severe Weather](#)
- [Ensemble Forecasts \(MSC\)](#)
- [Ensemble Forecasts \(NAEFS\)](#)
- [Numerical Model Data \(GRIB2\)](#)
- [Numerical Model Verification](#)

## **Astronomy**

- [Cloud Forecast](#)
- [Seeing Forecast](#)
- [Sky Transparency Forecast](#)
- [Near Ground Forecast](#)

## **Monthly Forecast**

- [Temperature Forecasts](#)

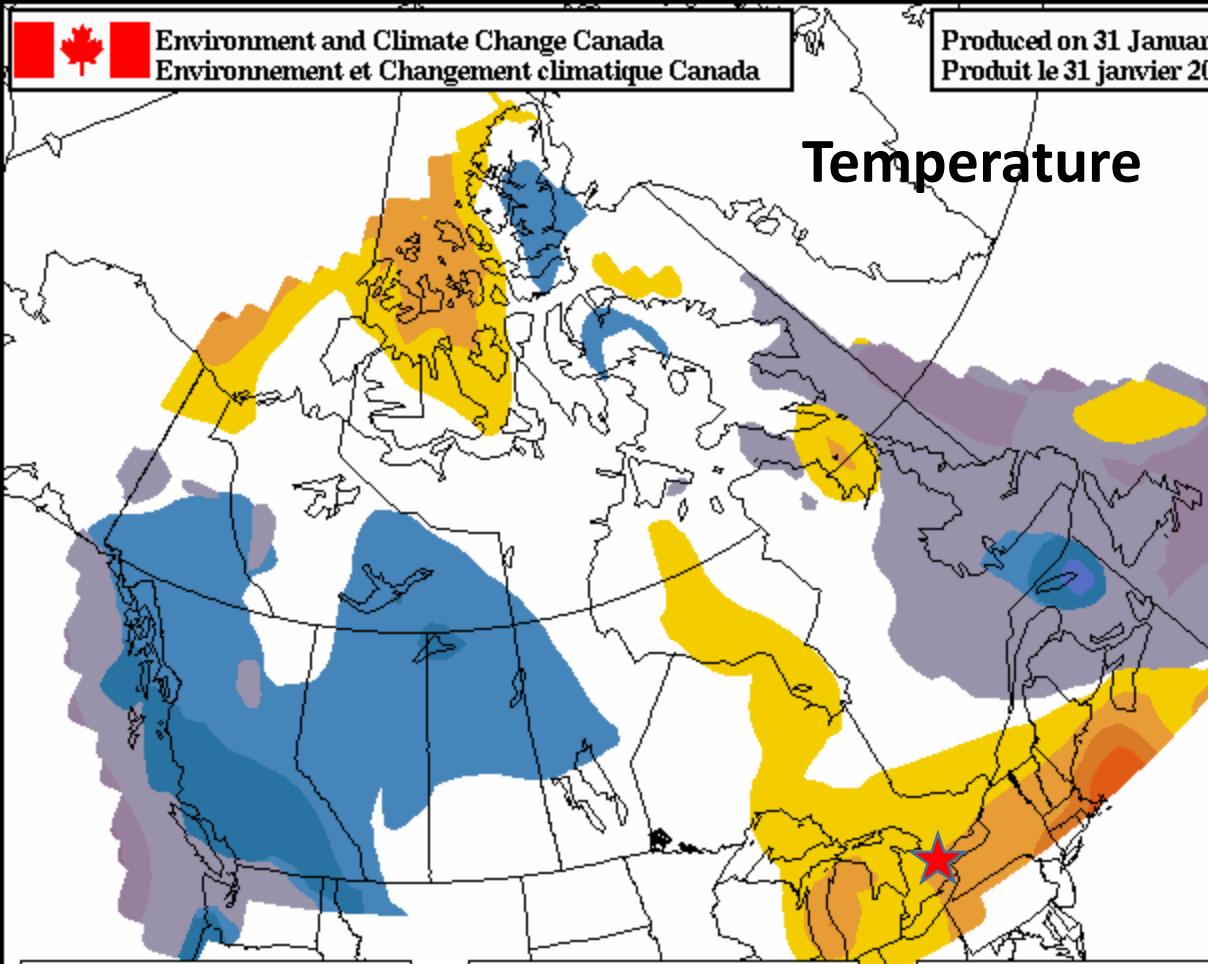
## **Aviation**

- [Turbulence and Icing](#)
- [Volcanic Ash](#)

[https://weather.gc.ca/mainmenu/modelling\\_menu\\_e.html](https://weather.gc.ca/mainmenu/modelling_menu_e.html)

## Forecast For Feb/Mar/Apr 2020

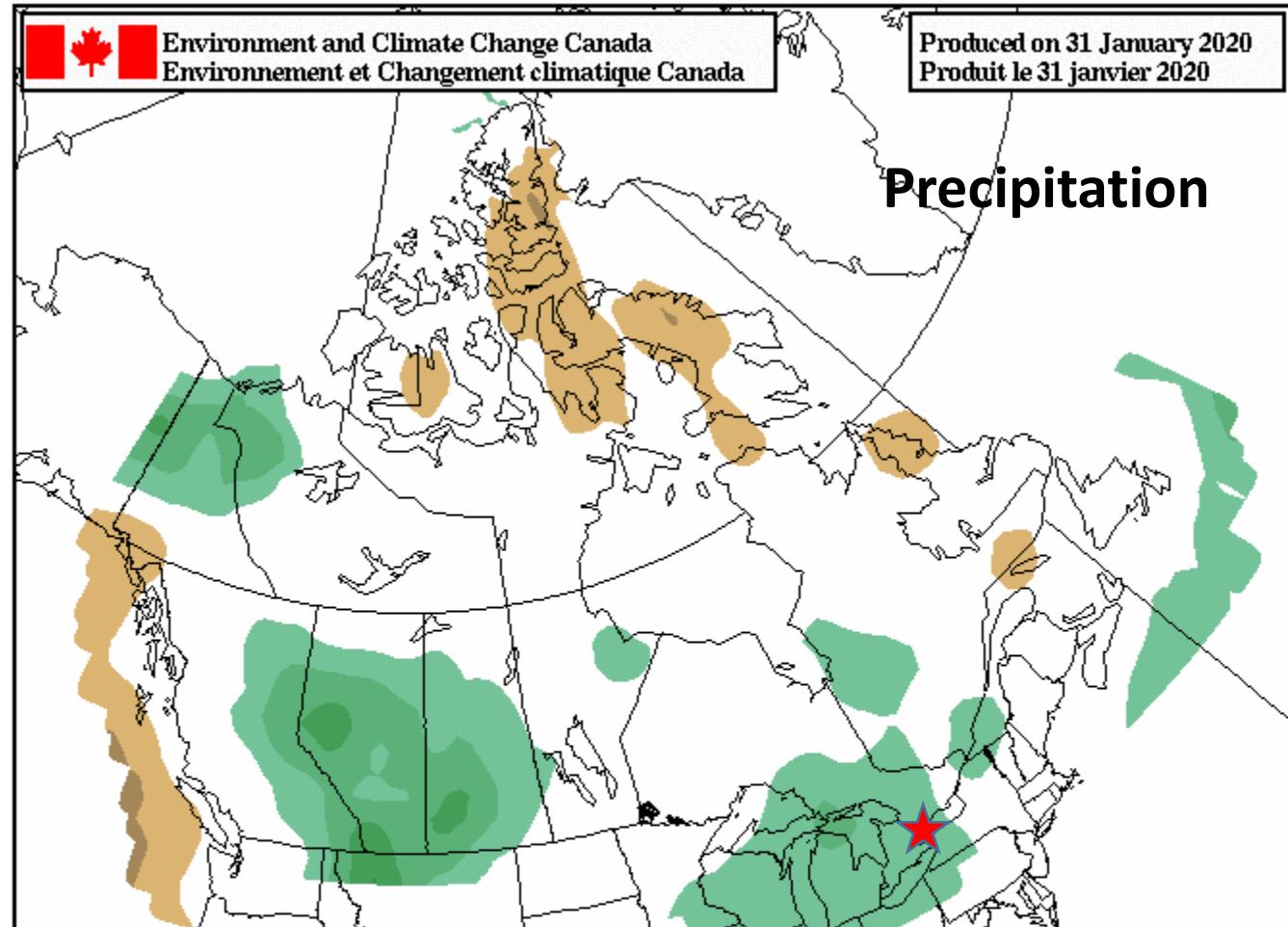
## Temperature



Forecast probability of Temperature  
above, below and near normal (calibrated)  
**Period: February-March-April 2020**  
Based on 3 equiprobable categories  
from 1981-2010 climatology

Probabilités prévues de températures  
au-dessus, sous et près de la normale (calibrées)  
**Période: février-mars-avril 2020**  
Basé sur 3 catégories équiprobales  
de la climatologie 1981-2010

## Precipitation



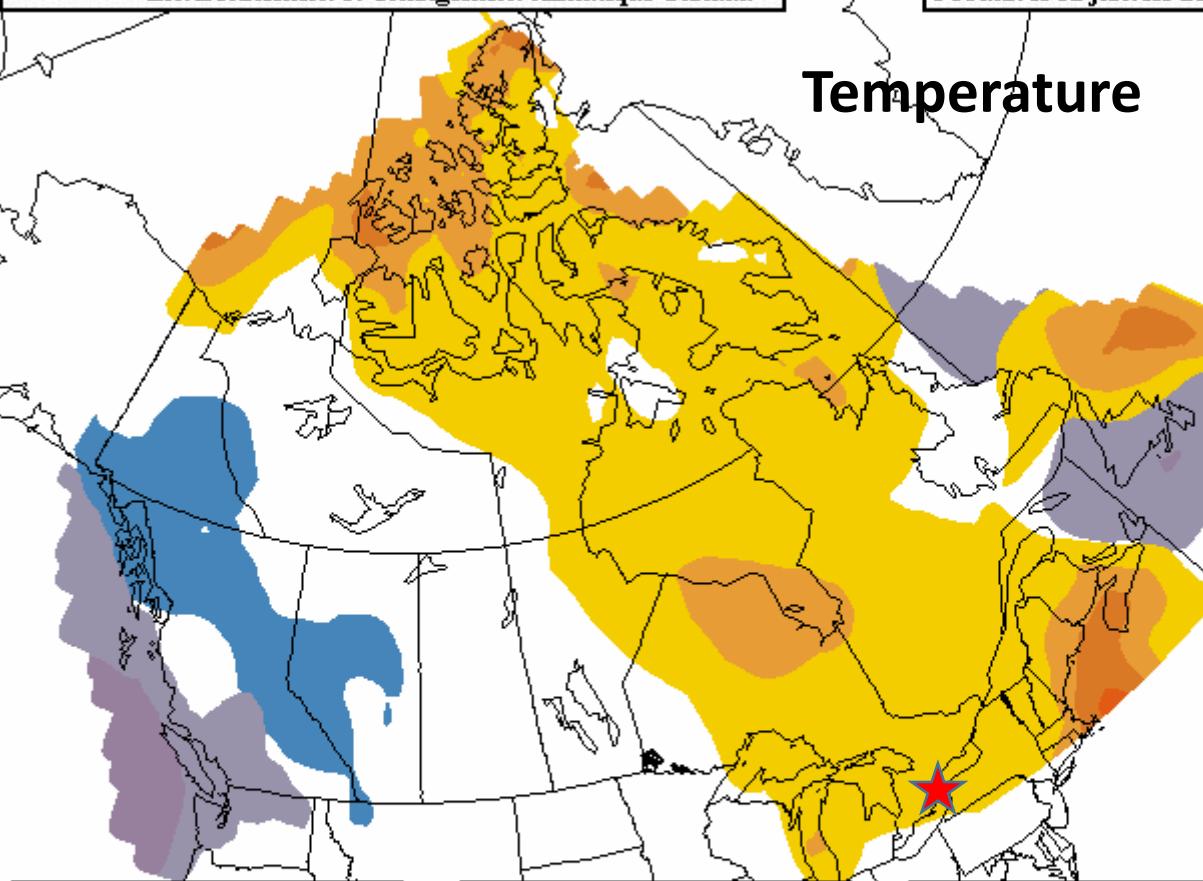
Forecast probability of Precipitation  
above, below and near normal (calibrated)  
**Period: February-March-April 2020**  
Based on 3 equiprobable categories  
from 1981-2010 climatology

Probabilités prévues de précipitations  
au-dessus, sous et près de la normale (calibrées)  
**Période: février-mars-avril 2020**  
Basé sur 3 catégories équiprobales  
de la climatologie 1981-2010

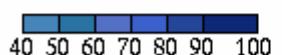


# Forecast For Mar/Apr/May 2020

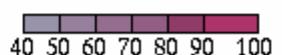
## Temperature



Prob (%) below normal/  
sous la normale



Prob (%) near normal/  
près de la normale



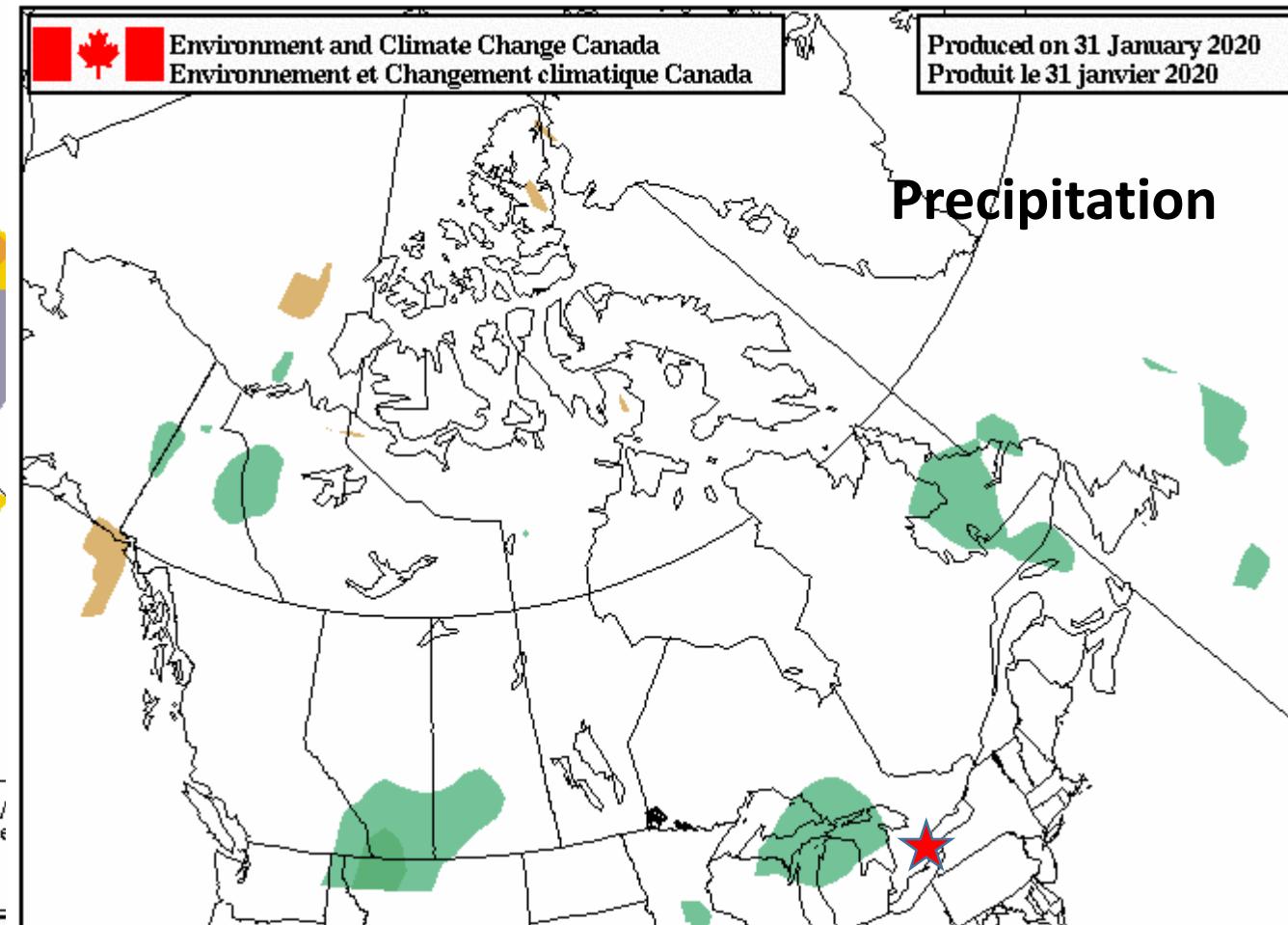
Prob (%) above normal/  
au dessus de la normale



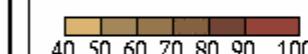
Forecast probability of Temperature  
above, below and near normal (calibrated)  
**Period: March-April-May 2020**  
Based on 3 equiprobable categories  
from 1981-2010 climatology

Probabilités prévues de températures  
au-dessus, sous et près de la normale (calibrées)  
**Période: mars-avril-mai 2020**  
Basé sur 3 catégories équiprobables  
de la climatologie 1981-2010

## Precipitation



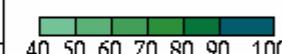
Prob (%) below normal/  
sous la normale



Prob (%) near normal/  
près de la normale

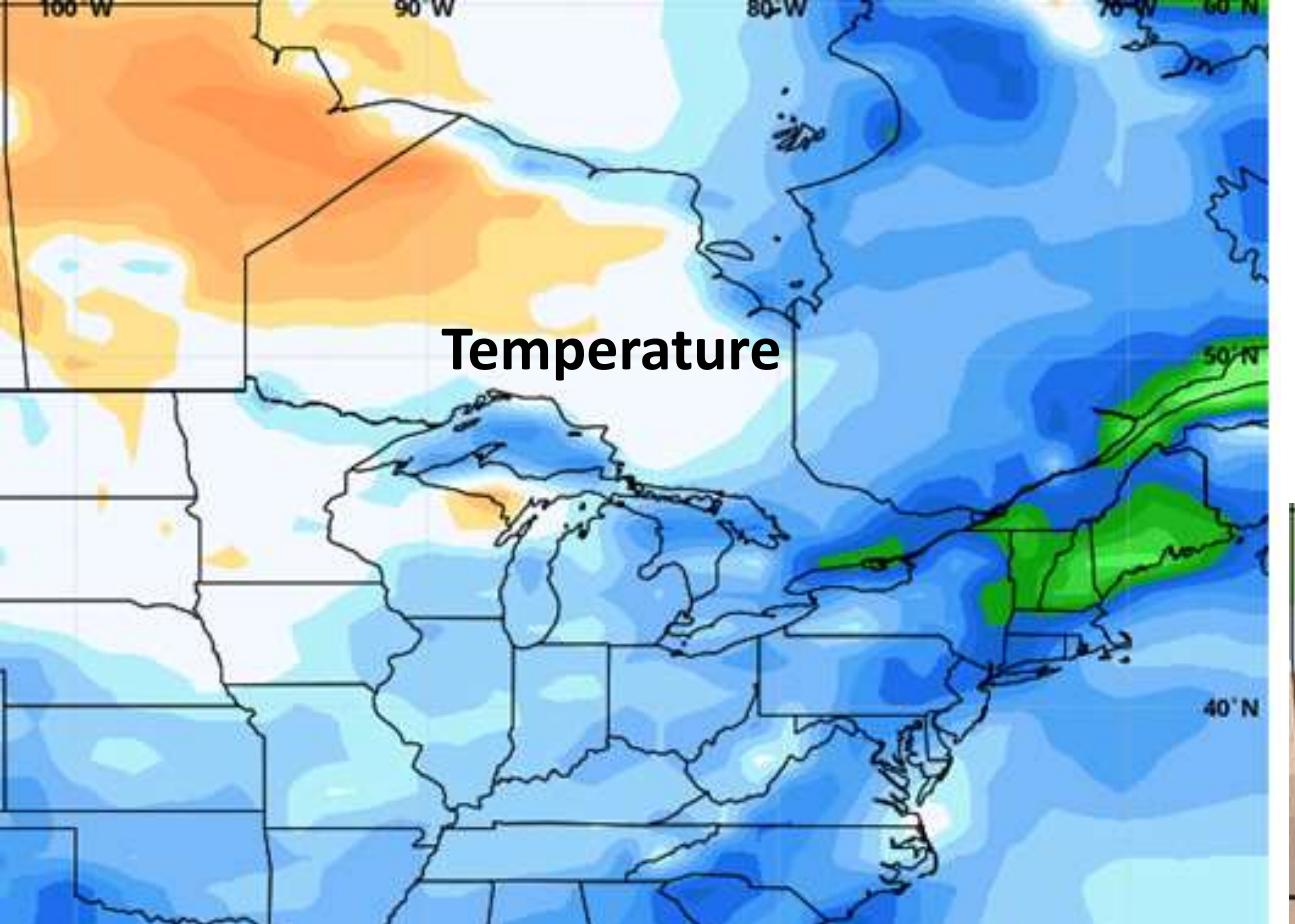


Prob (%) above normal/  
au dessus de la normale

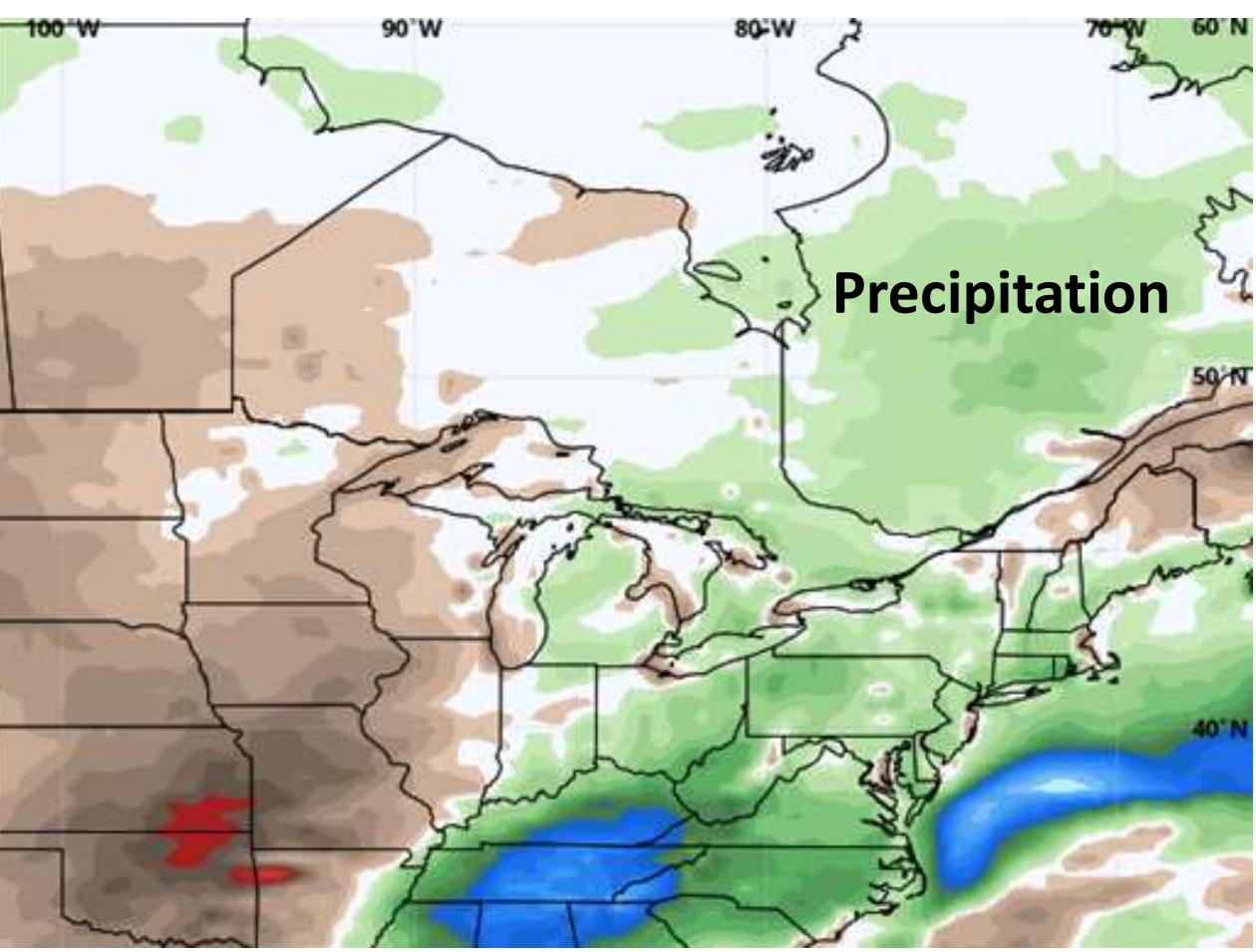


Forecast probability of Precipitation  
above, below and near normal (calibrated)  
**Period: March-April-May 2020**  
Based on 3 equiprobable categories  
from 1981-2010 climatology

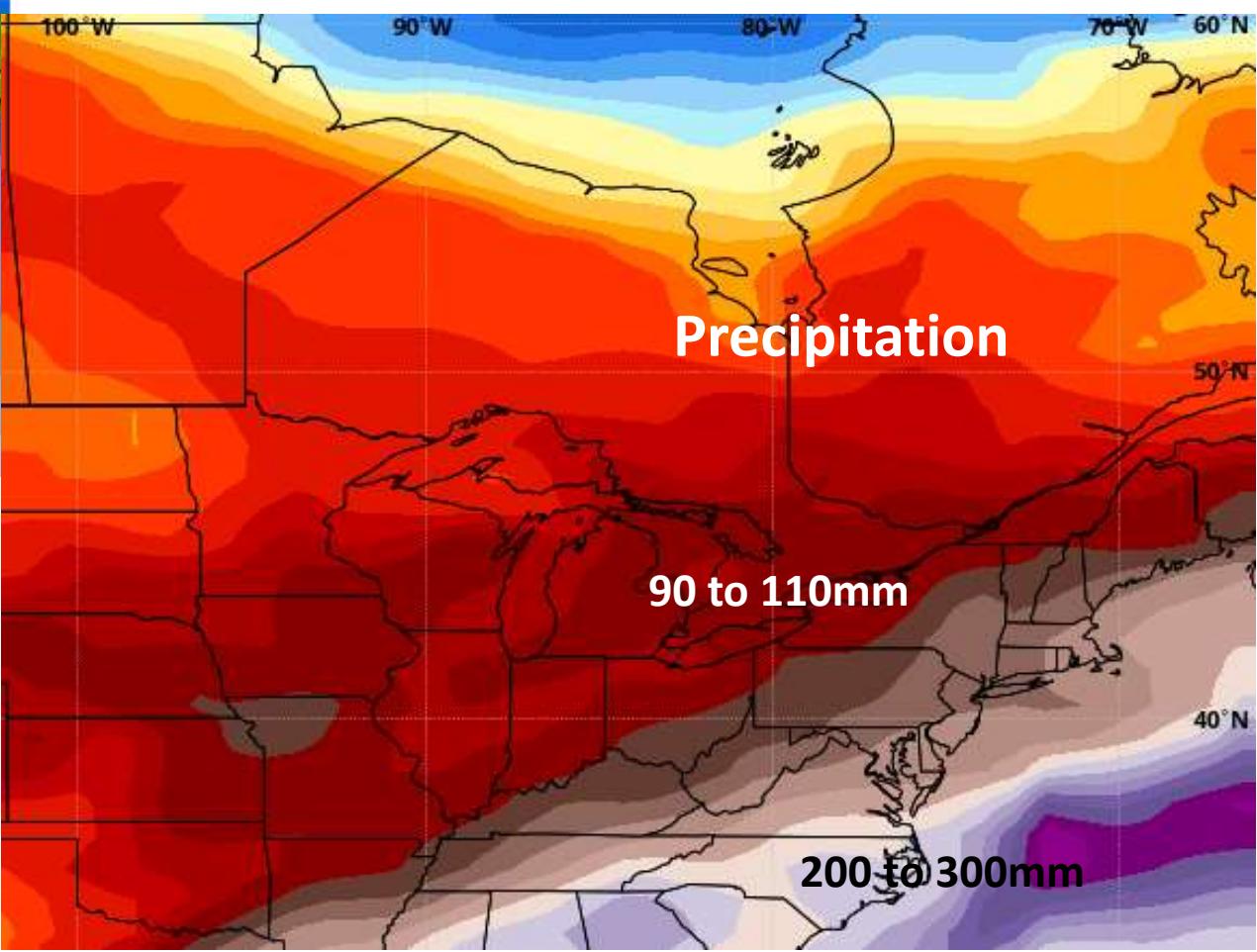
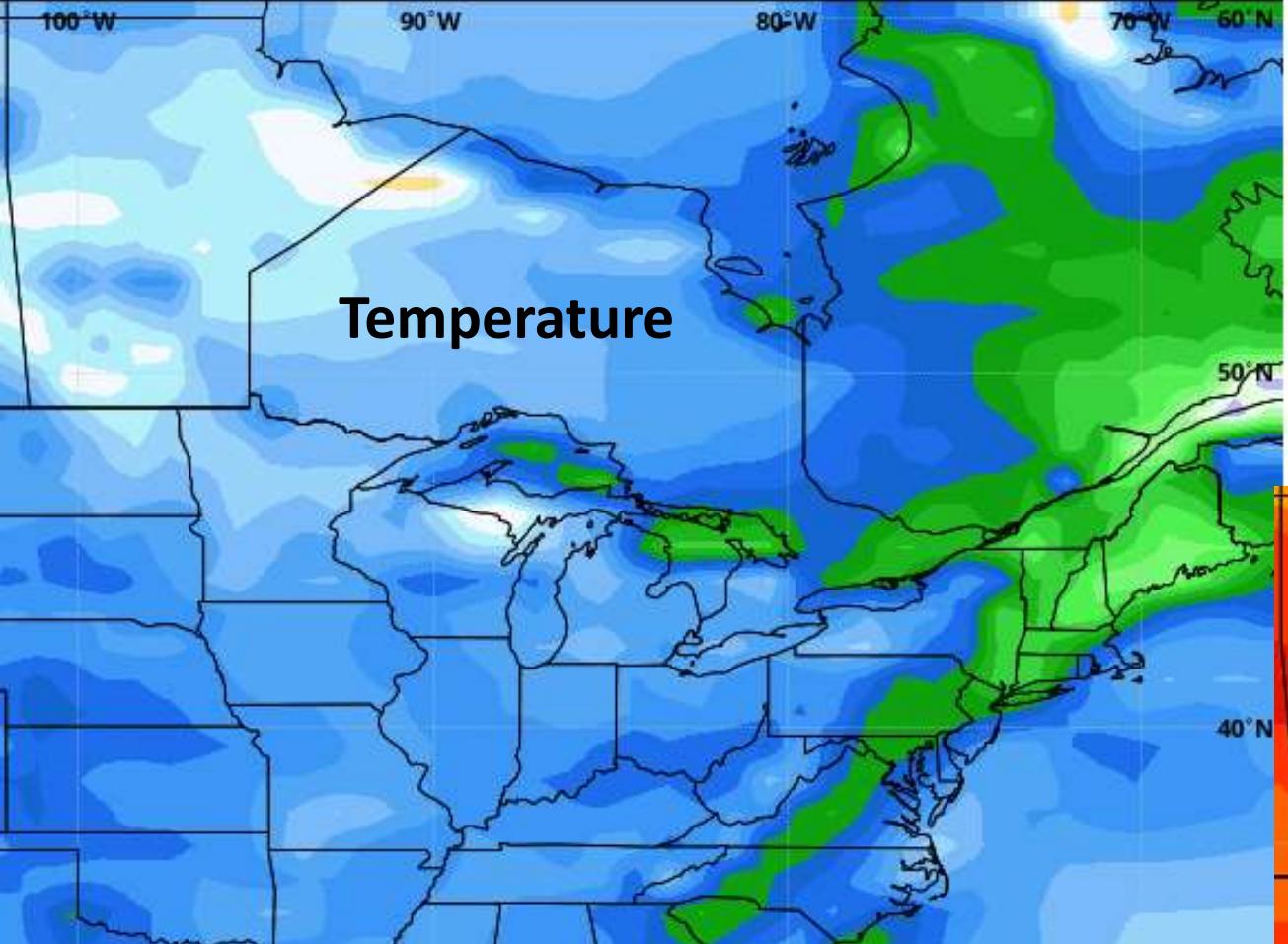
Probabilités prévues de précipitations  
au-dessus, sous et près de la normale (calibrées)  
**Période: mars-avril-mai 2020**  
Basé sur 3 catégories équiprobables  
de la climatologie 1981-2010



Now - till the End of March

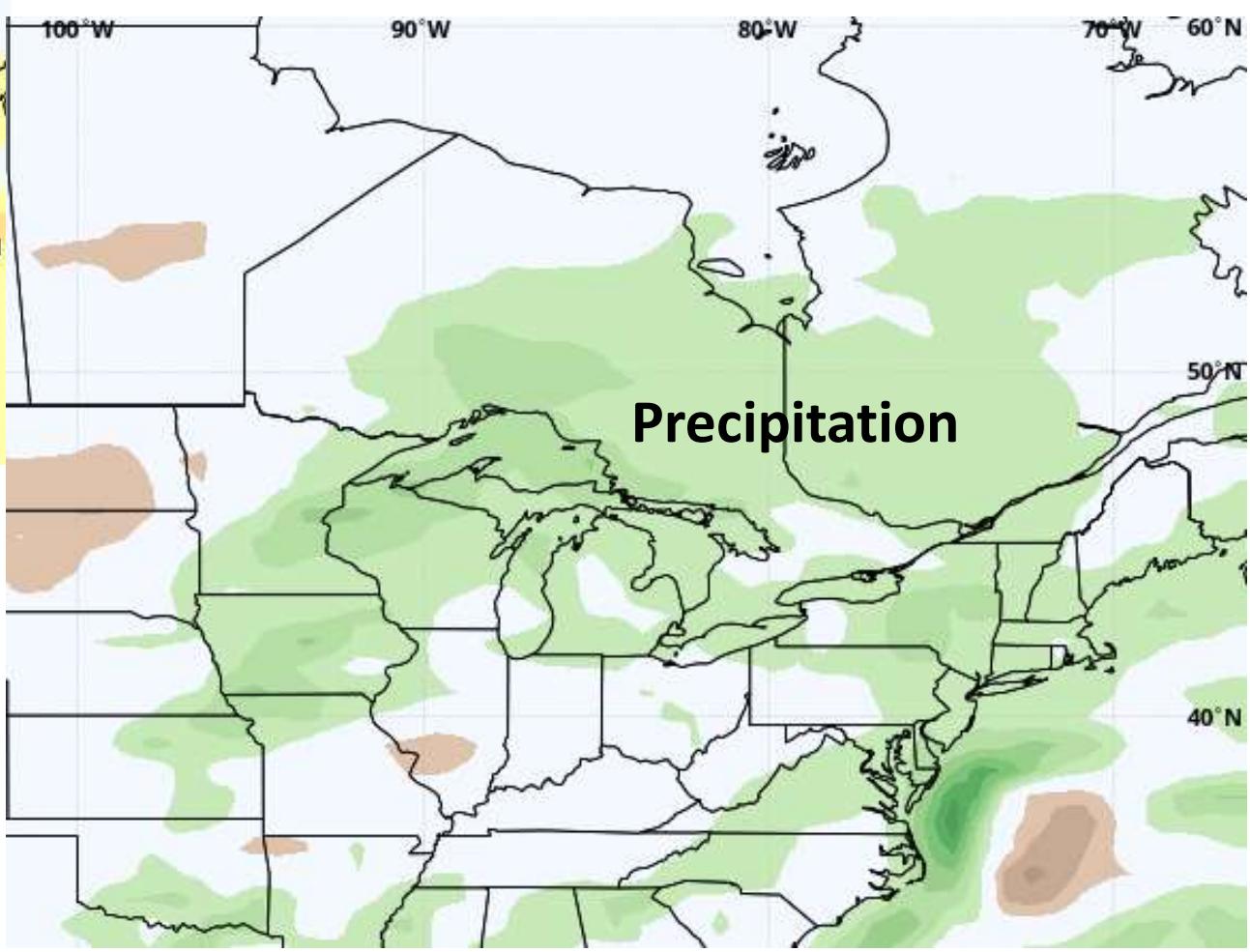
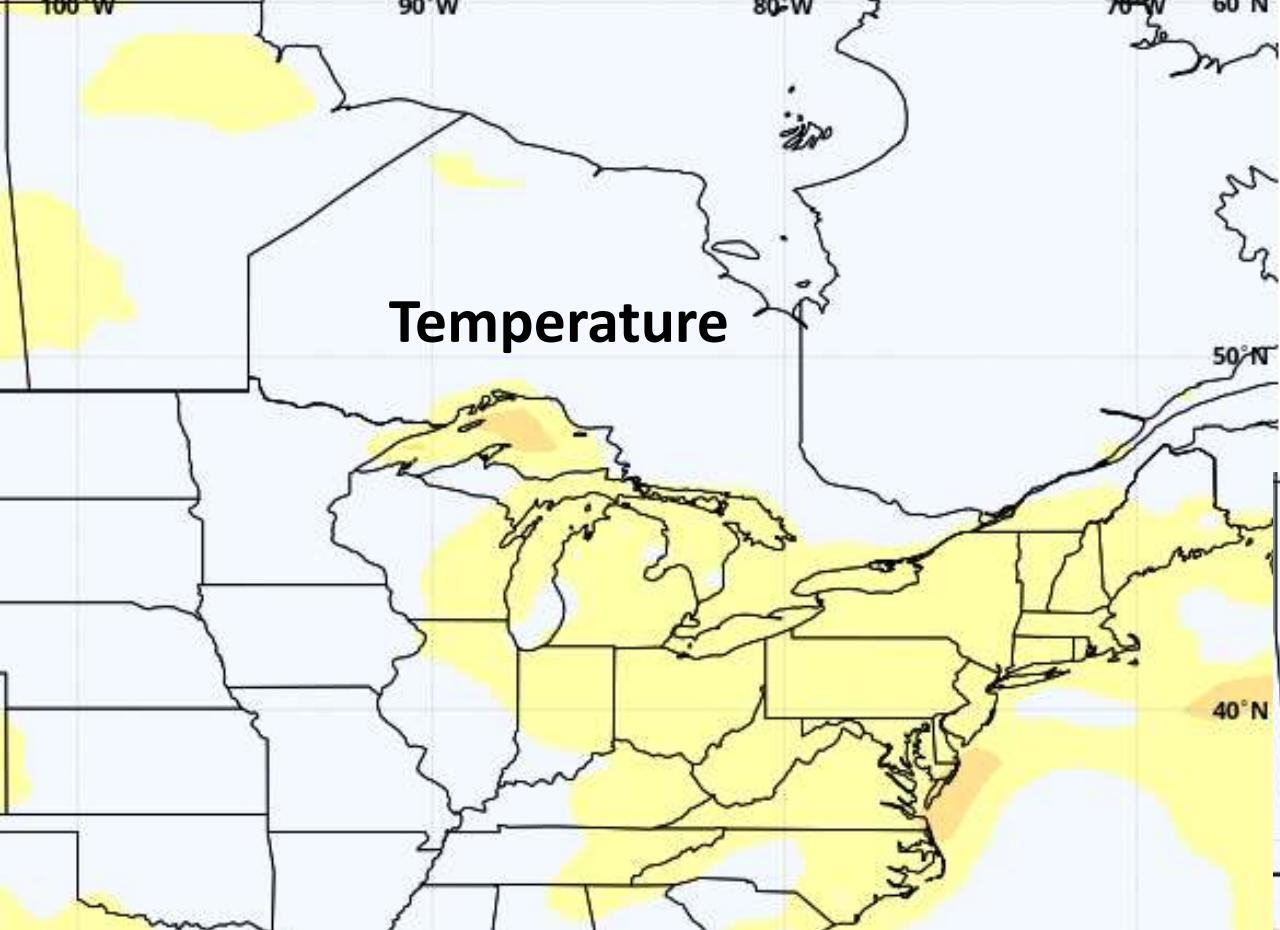


# US CFS Model

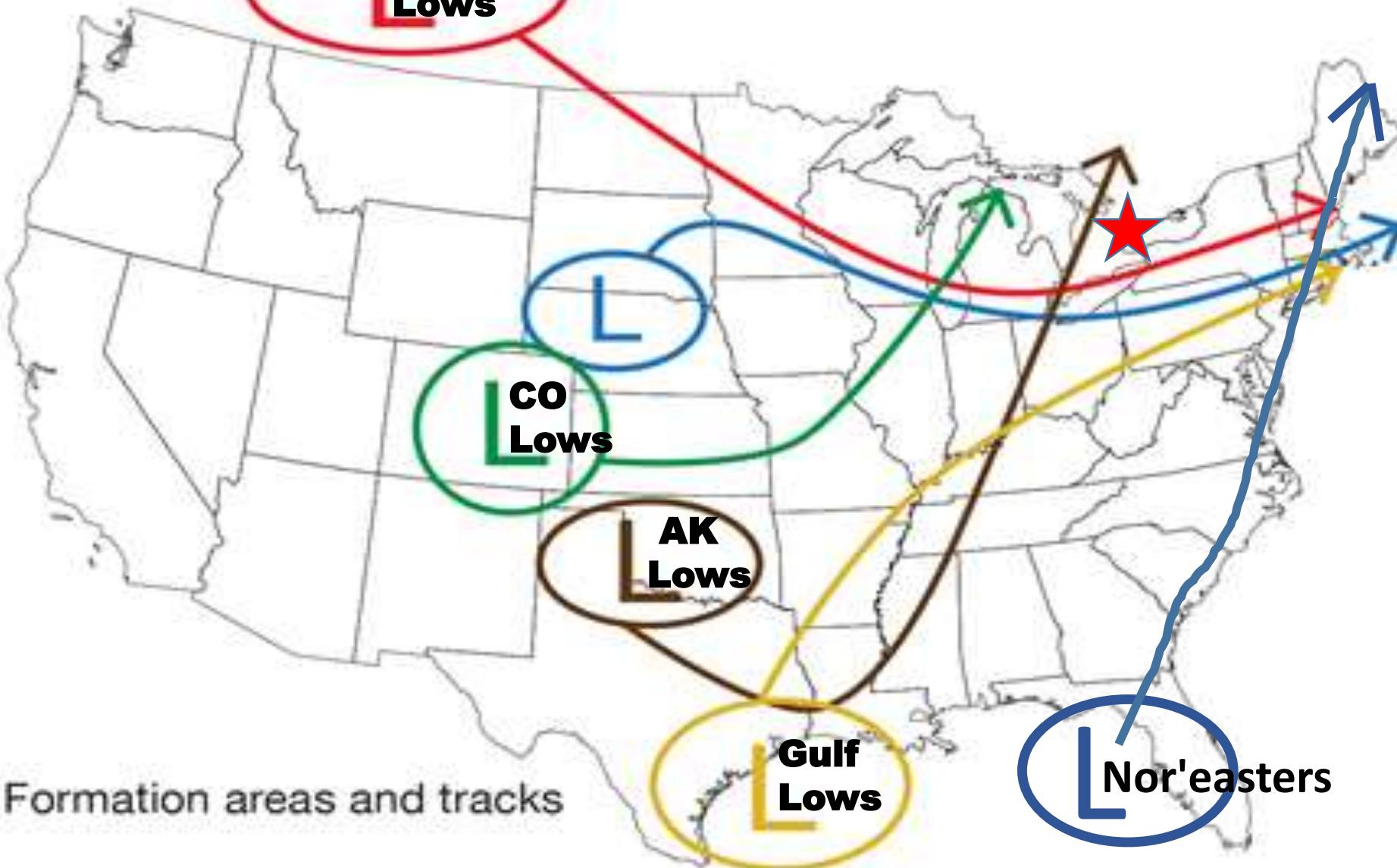


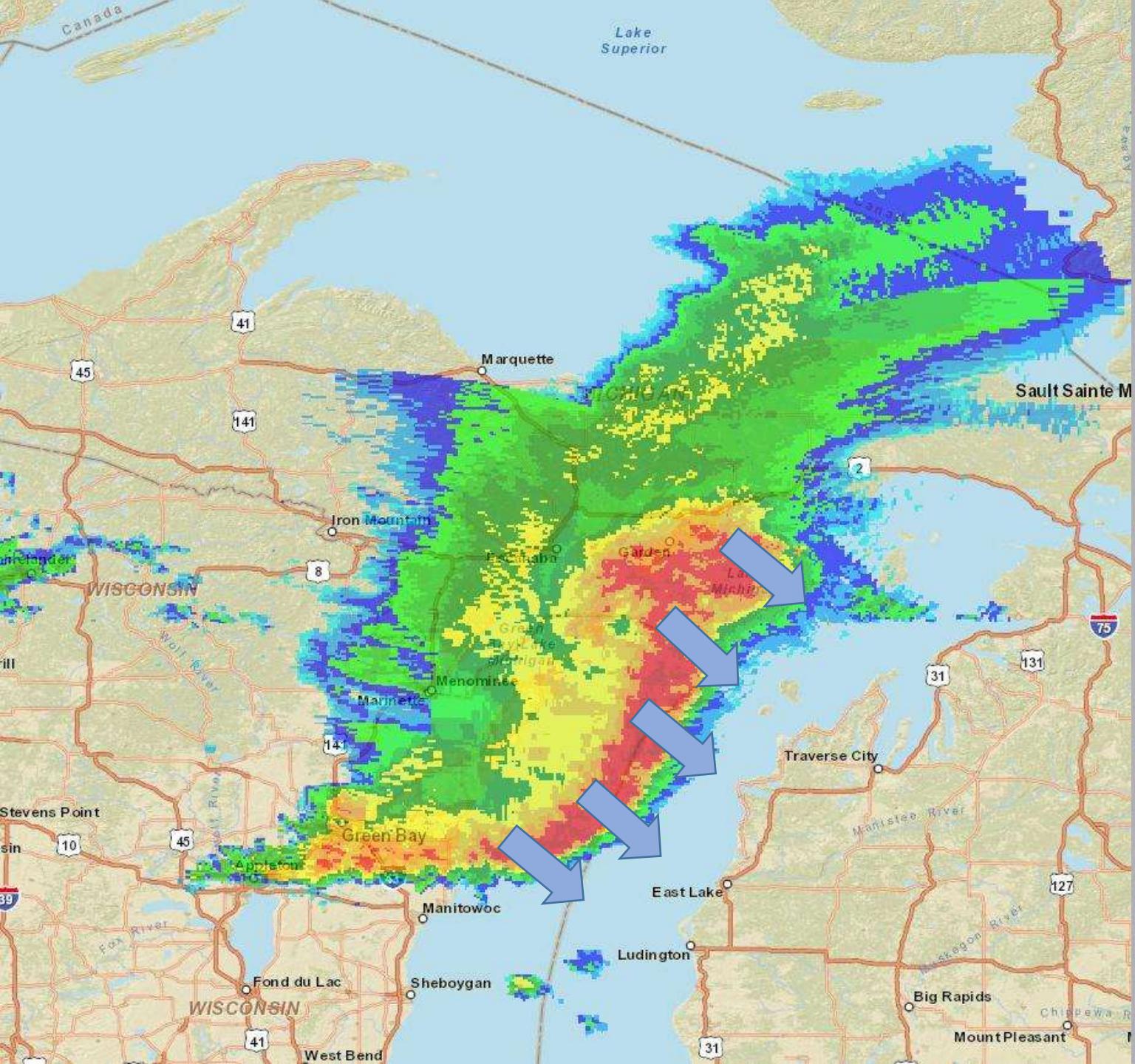
**Forecast For Apr/May/June 2020**

**EURO Model**

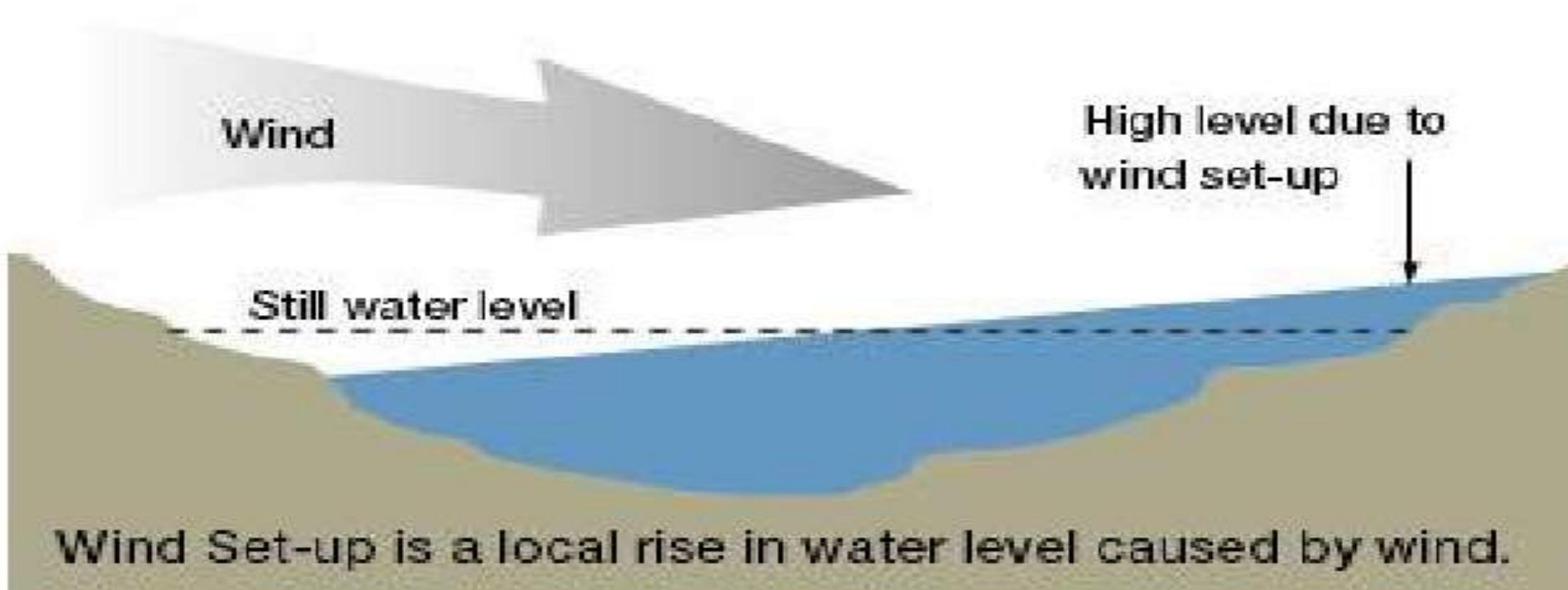


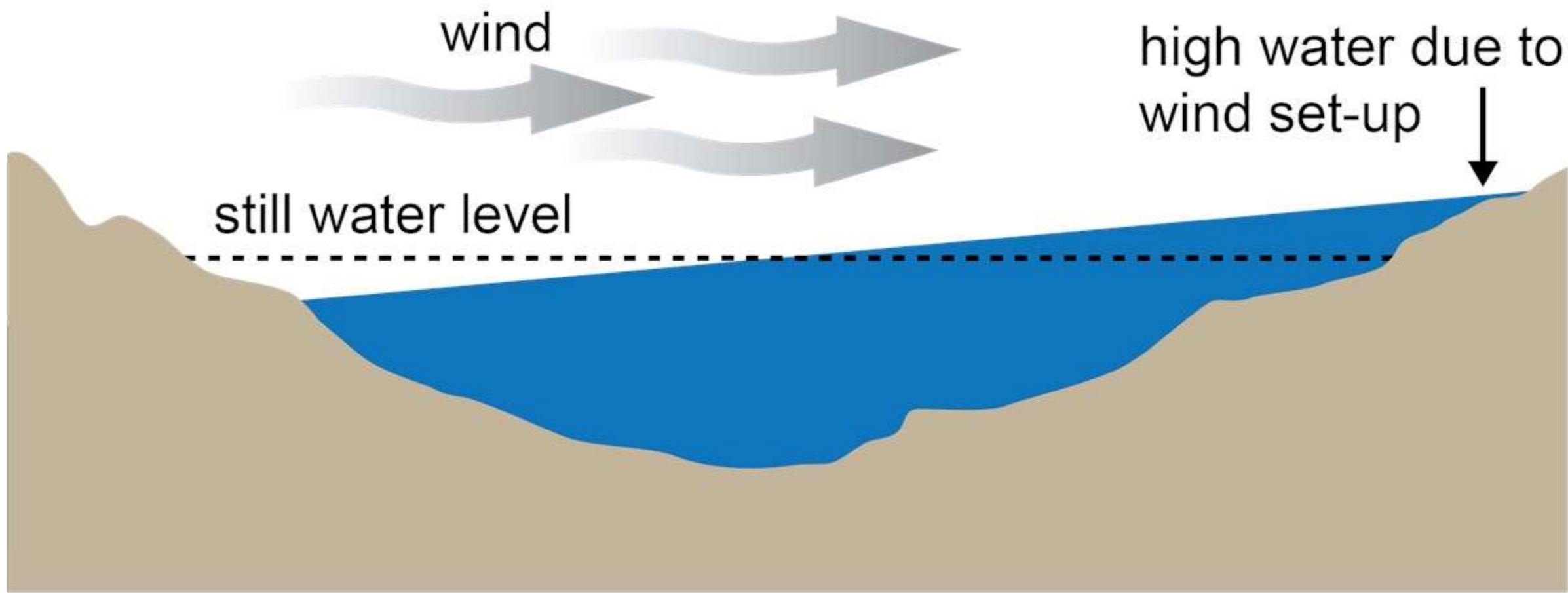
# General Movements of Weather Systems Across The Great Lakes



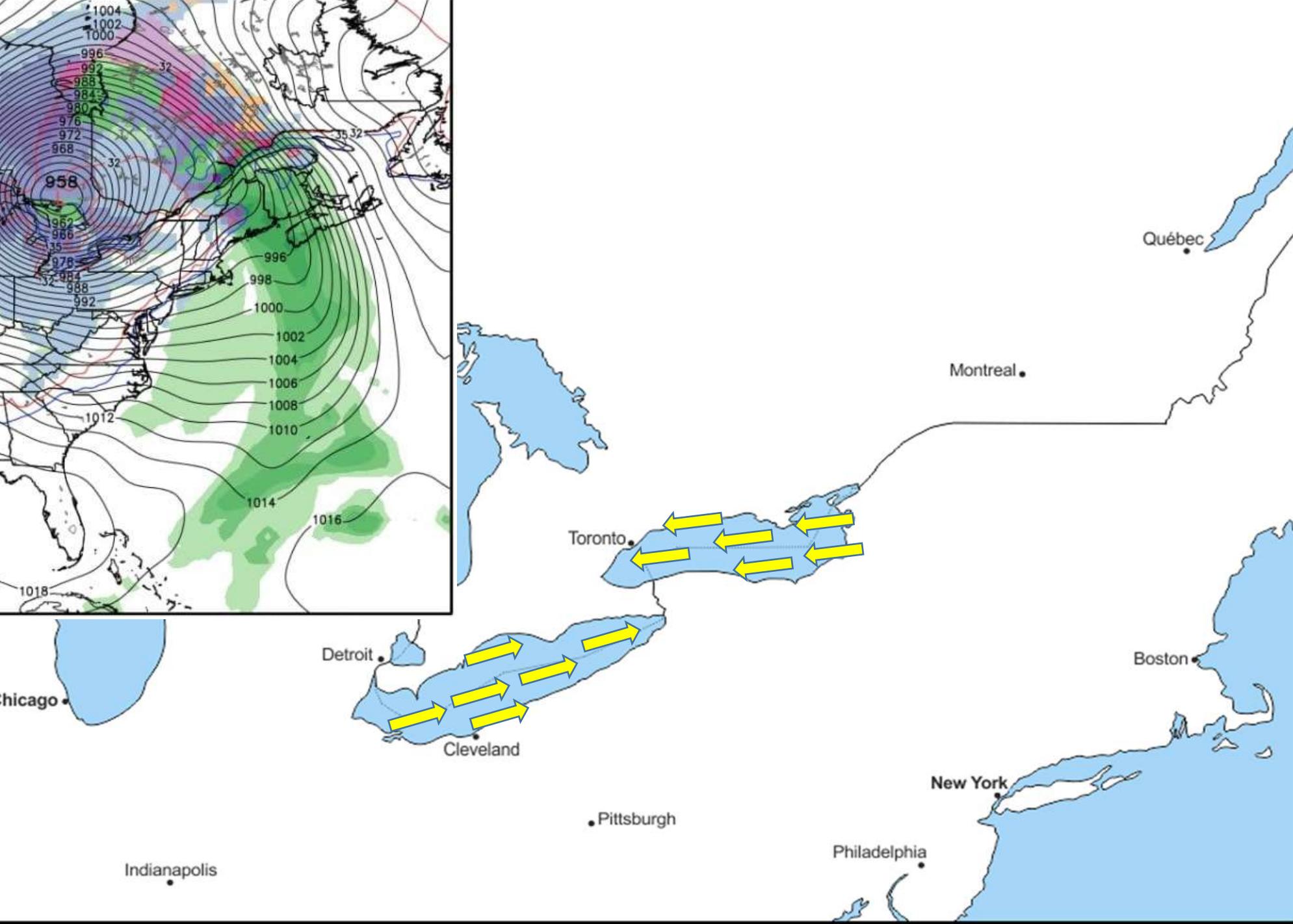
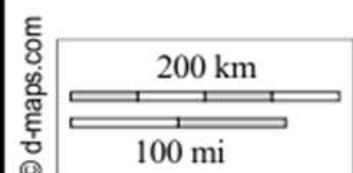
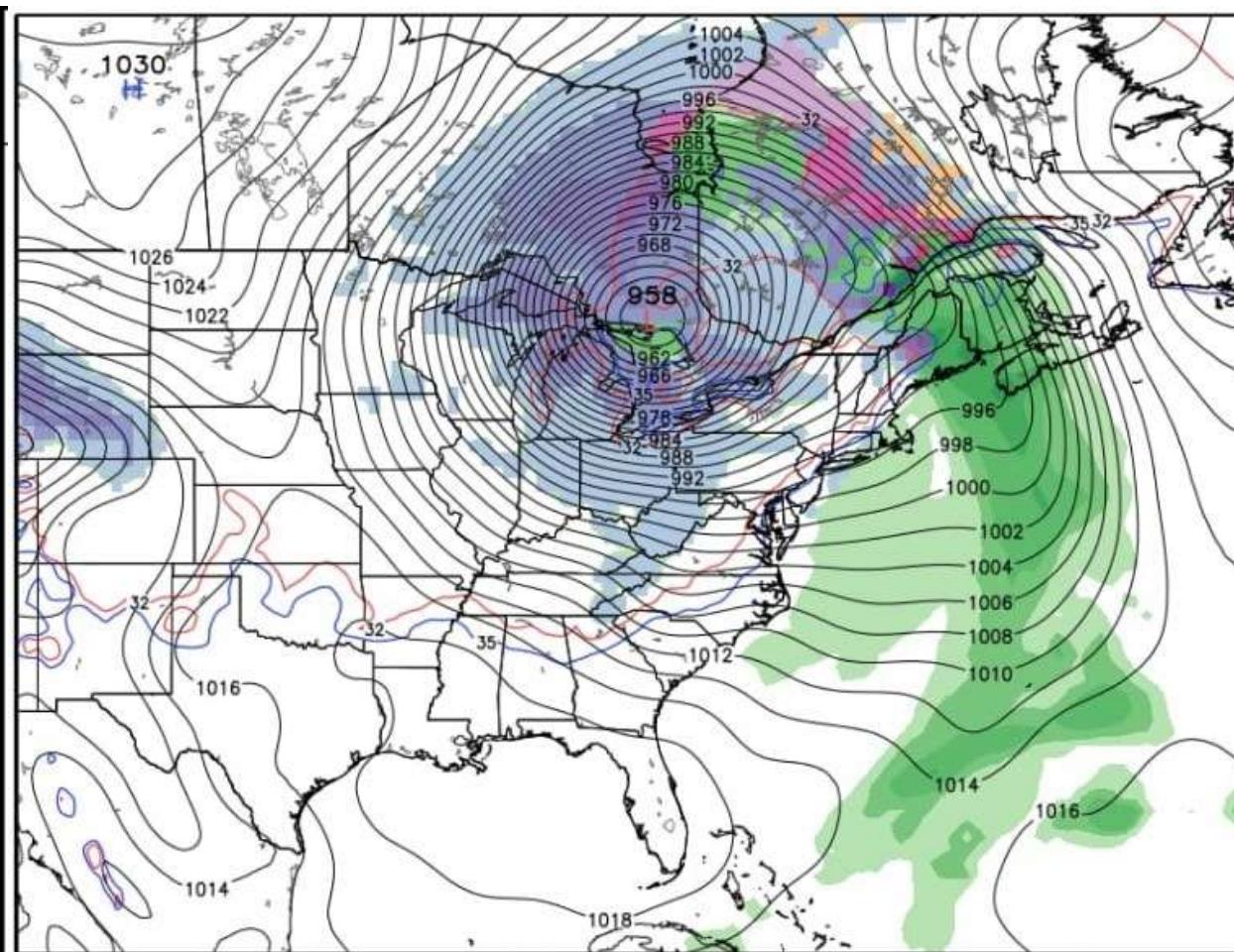


A seiche (pronounced “saysh”) is the rocking motion of water in a lake or similarly closed or partially closed water body. Scientists call the pendulum-like movements within seiches “free standing-wave oscillations.” Seiches, are almost always present on the Great Lakes.

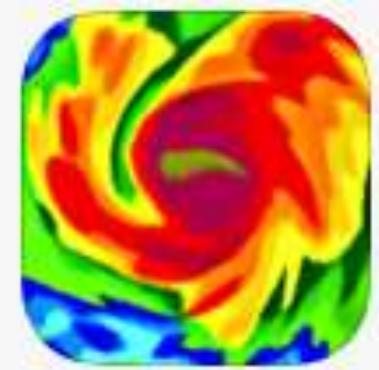
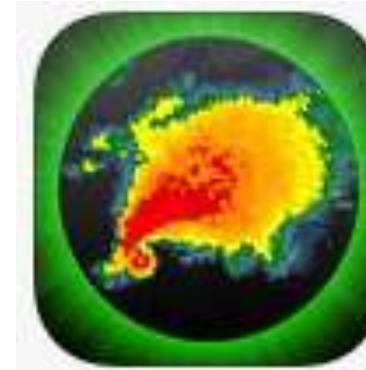
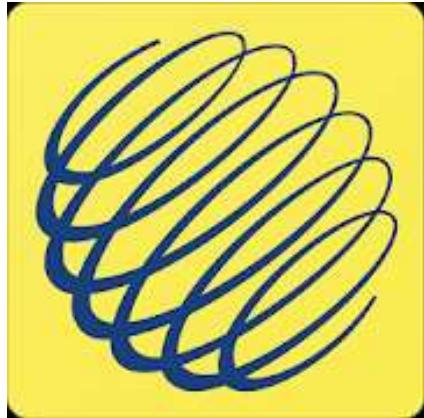




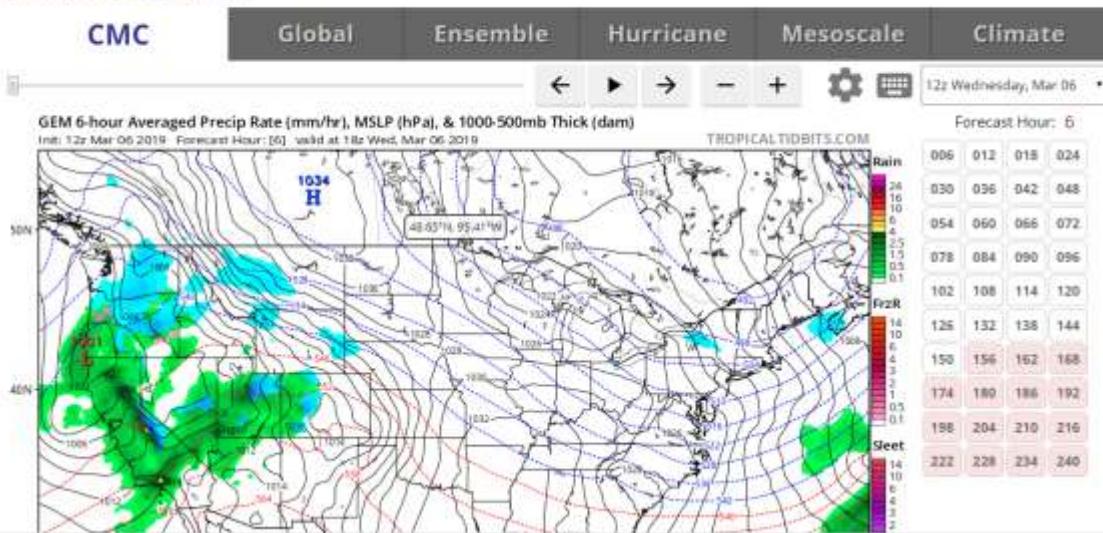
Wind setup is a local rise in water level caused by wind.



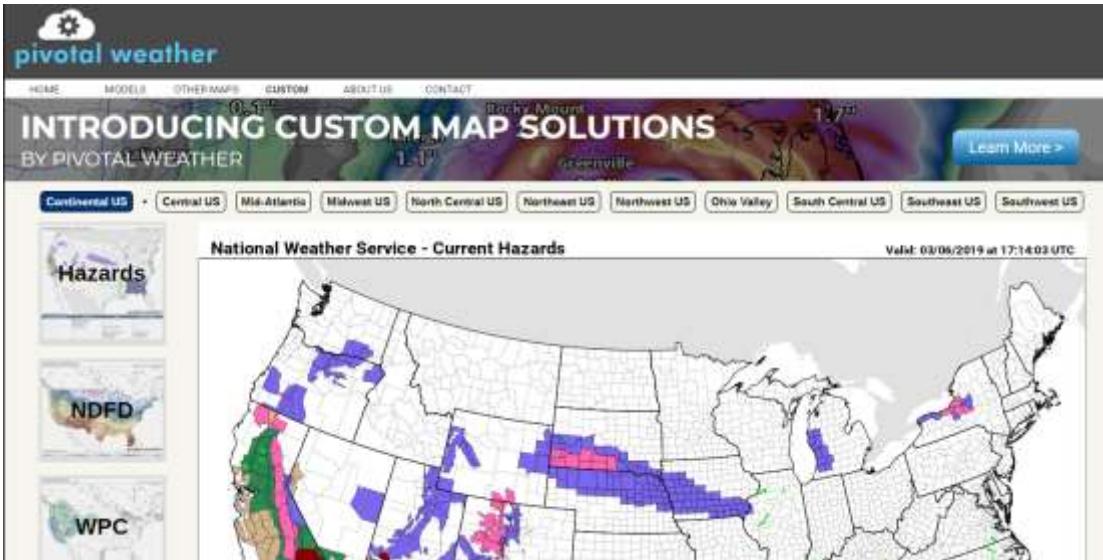
# Weather Apps



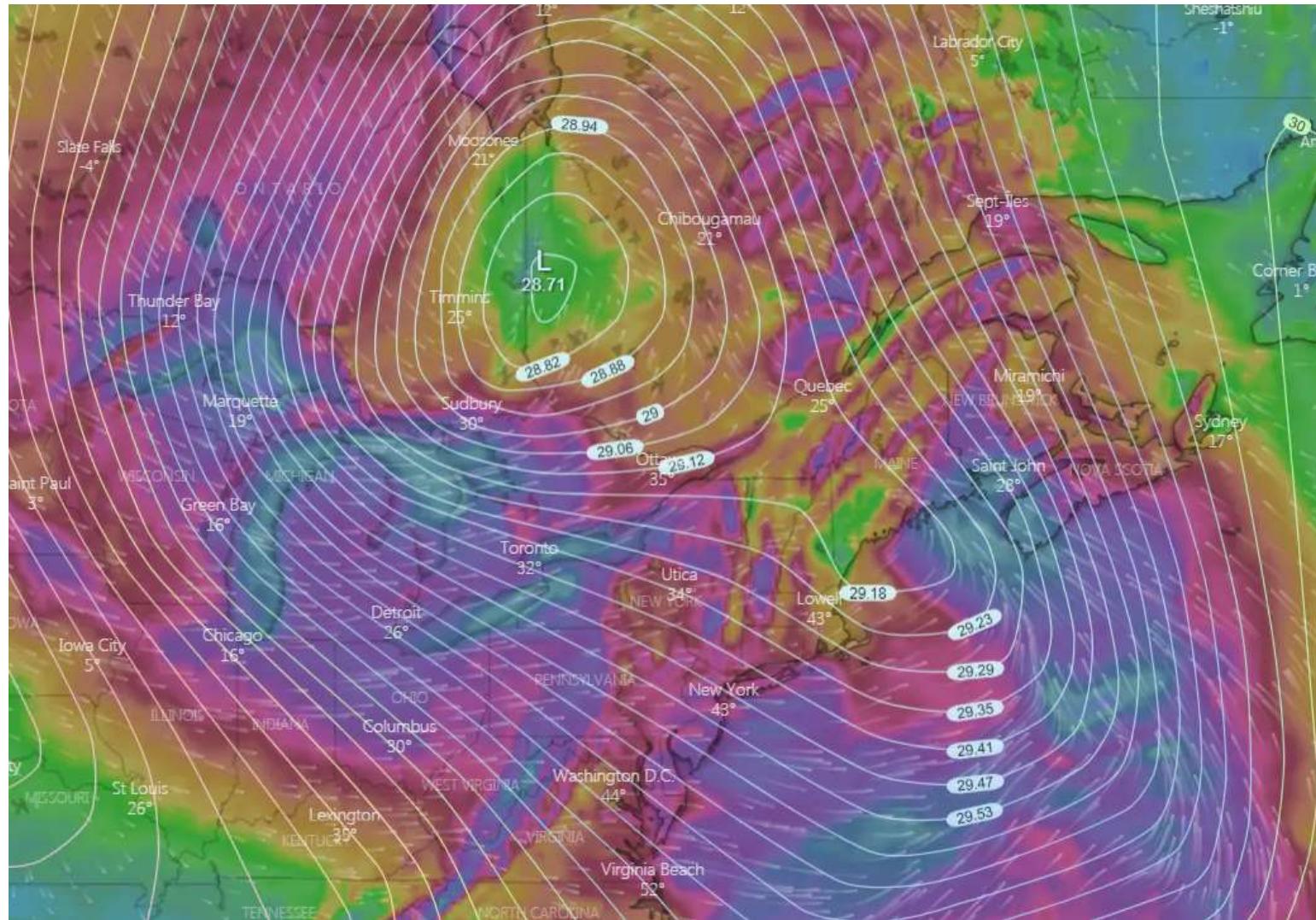
Numerical Model Prediction



<https://www.tropicaltidbits.com/>



<https://www.pivotalweather.com/>



<https://www.windy.com/>



# Any Questions?



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@mrwx4caster



<https://ca.linkedin.com/in/ronbianchi>