

# February Recap & Northeast DEWS Discussion

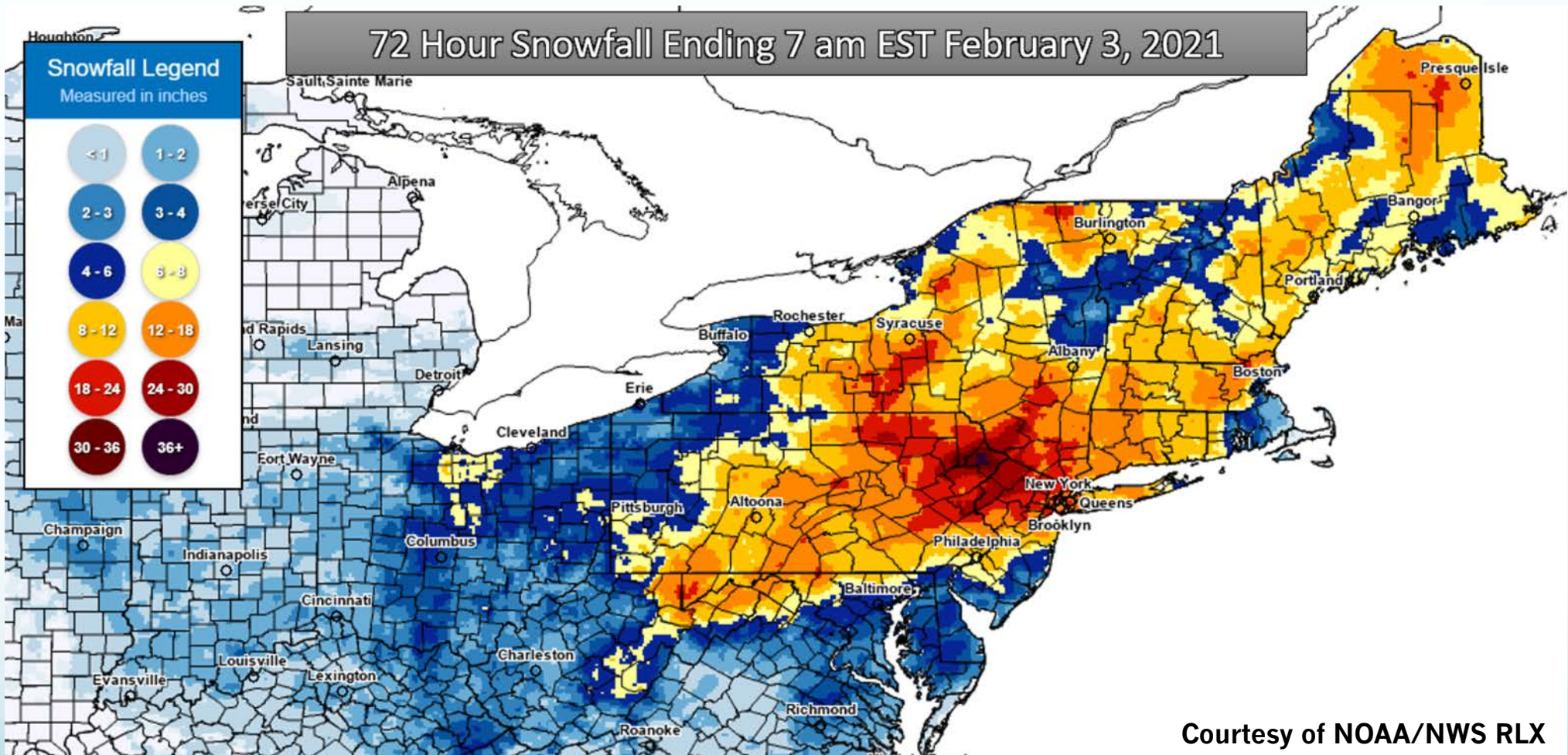
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center

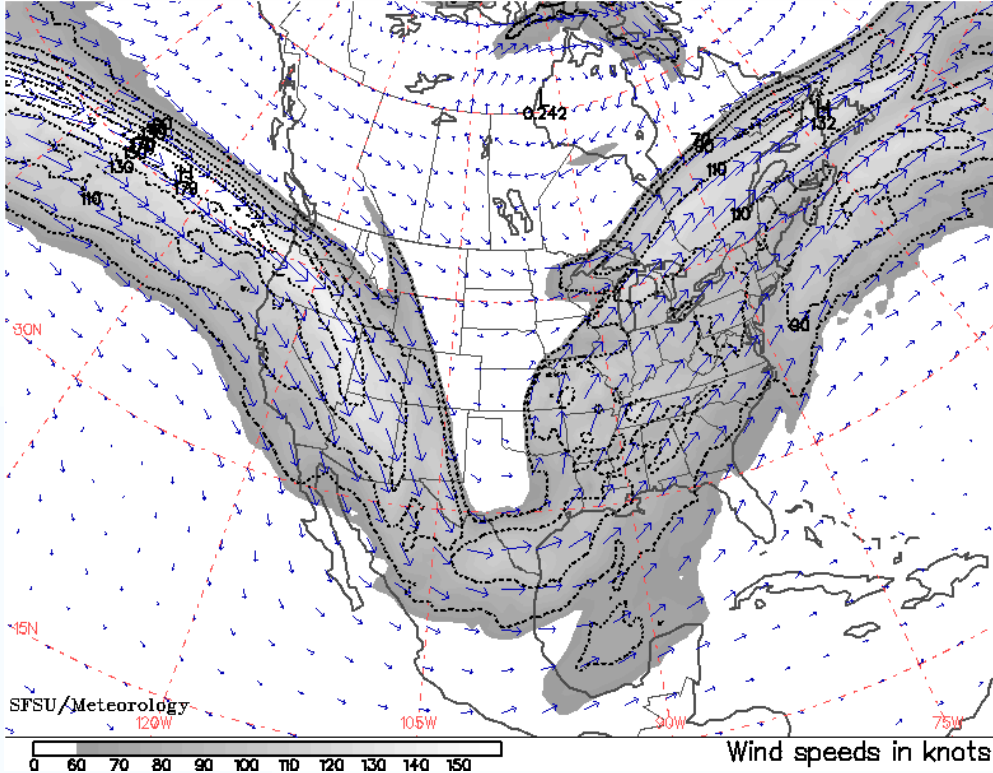


# February 1-3 Storm



300 mb Jet Stream

GFS Model Analysis for 12Z 15 FEB 2021

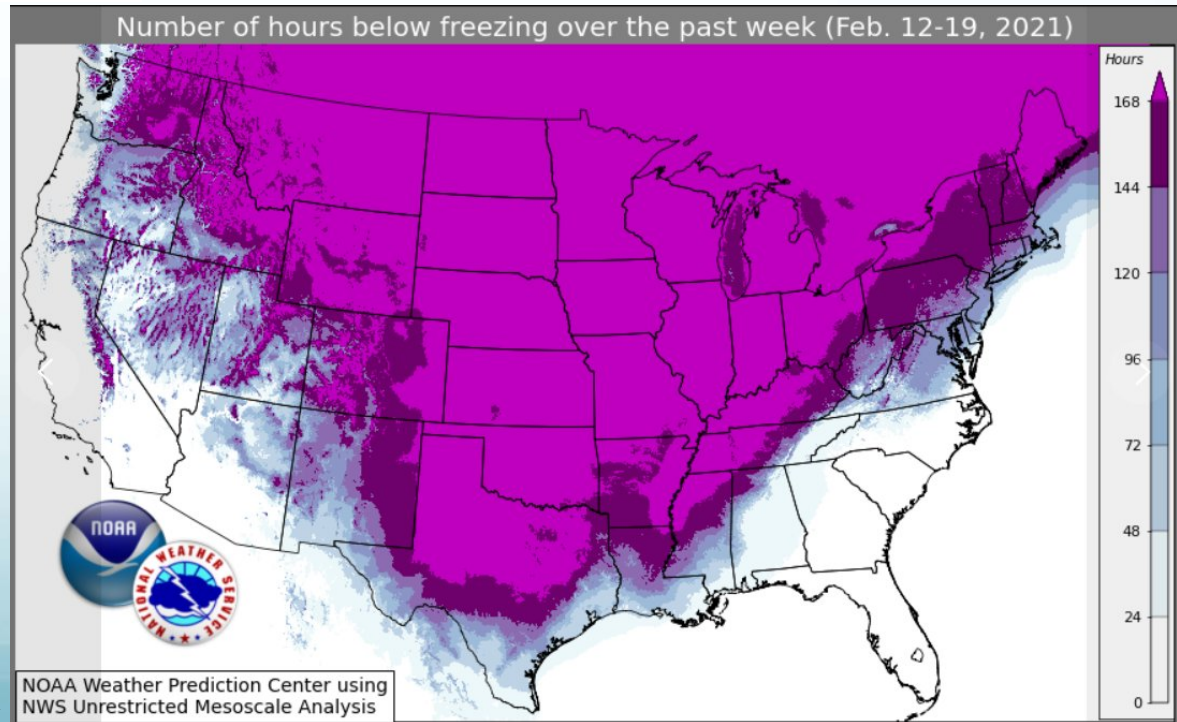


# Mid-February Weather Pattern

Courtesy of San Francisco State University/California Regional Weather Server




Courtesy of NOAA/NWS RNK



# February 15-16 Storm



NWS Charleston, WV  
@NWSCharlestonWV

A  provided from one of our employees, located outside of Hurricane. An eerie scene being observed across most of our area this evening. #ohwx #wvwx #kywx






9:56 PM · Feb 15, 2021 · Twitter Web App



## Snowfall Legend

	Less than an inch
	1 to 2 inches
	2 to 3 inches
	3 to 4 inches
	4 to 6 inches
	6 to 8 inches
	8 to 12 inches
	12 to 18 inches

## Freezing Rain Legend

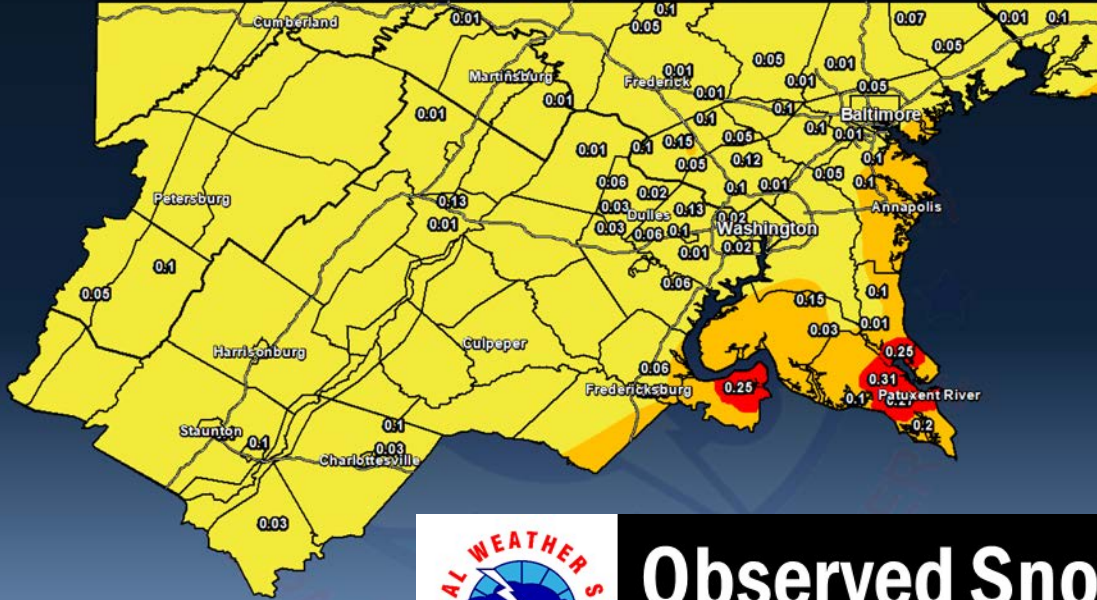
	0.01 to 0.25 inch
	0.25 to 0.50 inch
	0.50 inch or greater

Courtesy of NWS RLX



National Weather Service Baltimore/Washington  
IceAccum Analysis 02/18/2021 01:00AM to 02/19/2021 01:00PM

Analysis Data Source: Regional Observations



<VALUE>

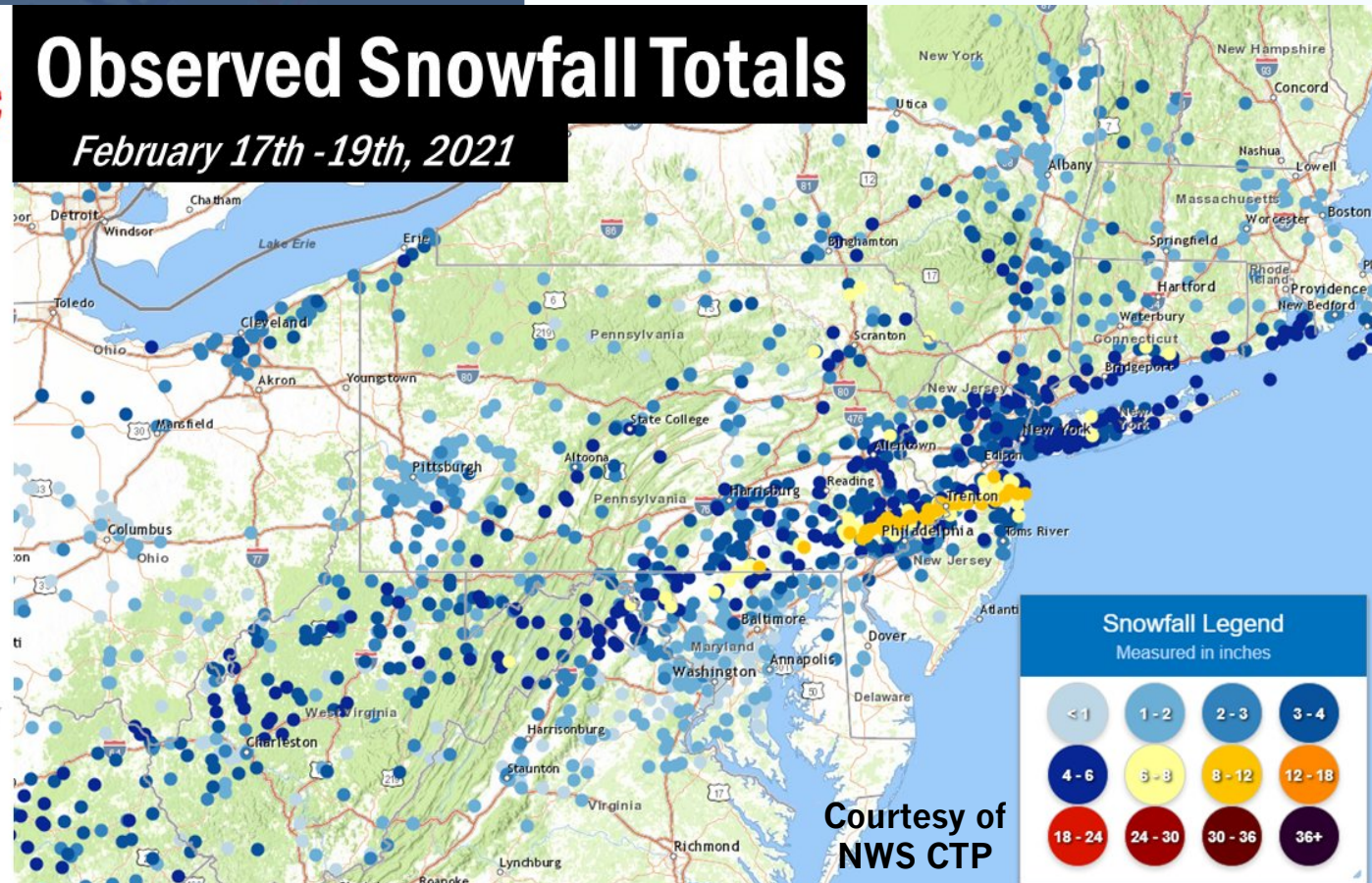


This is an experimental product. Care should be taken in using the data. Un



# Observed Snowfall Totals

February 17th -19th, 2021



Snowfall Legend  
Measured in inches



UPDATED:  
10 AM Friday  
2/19/21

Courtesy of  
NWS CTP



# February 18-19 Storm

# February Snowfall

## Time Series Summary for Baltimore Area, MD (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Year-Month	Number of Days Snowfall $\geq 0.1$	Missing Count
1	2003-02	10	0
2	2021-02	9	5
-	1982-01	9	0
-	1957-01	9	1
-	1925-01	9	2
-	1912-01	9	0
-	1899-02	9	0



# February Snowfall



From 6" below normal to 24" above normal

# February Precipitation



From 25% of normal to more than 200% of normal

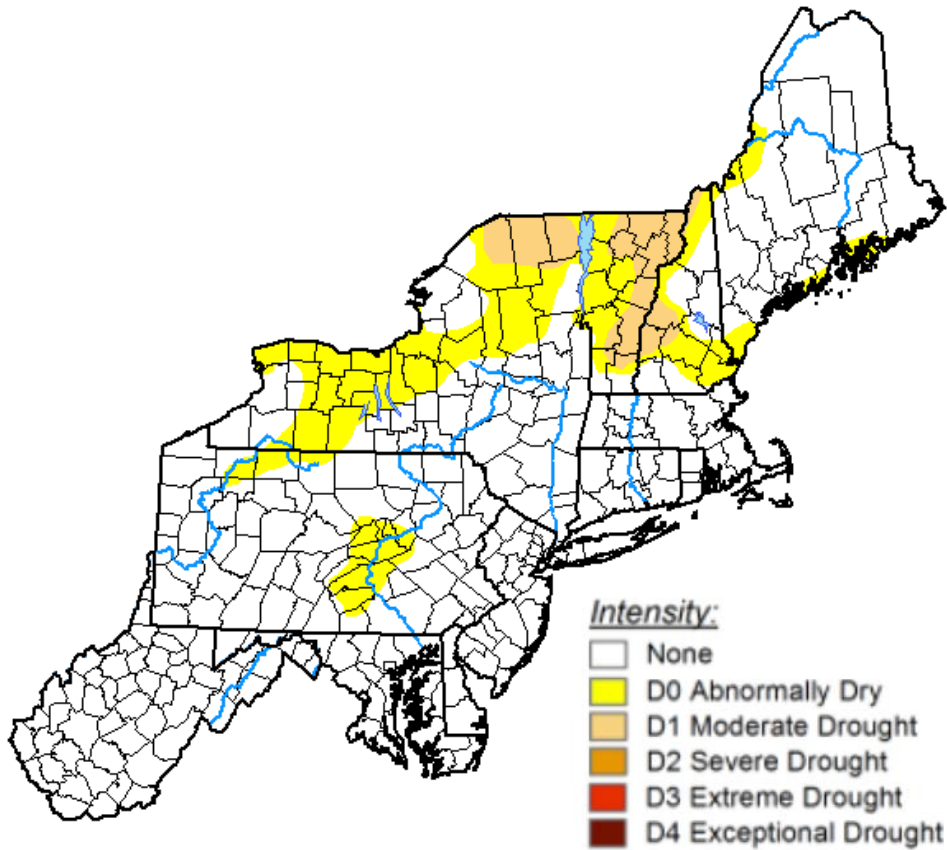


# February Temperatures

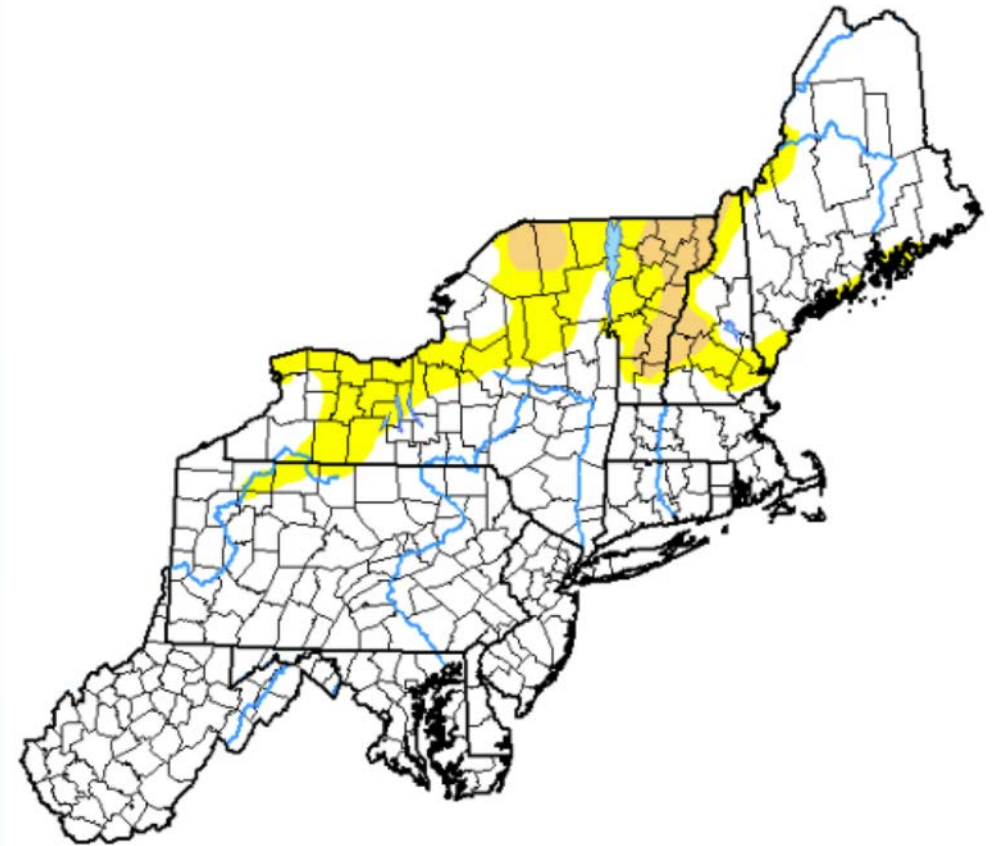


From 9°F below normal to 3°F above normal

# Drought Monitor



January 26:  
5% of the region was in a drought  
16% was abnormally dry

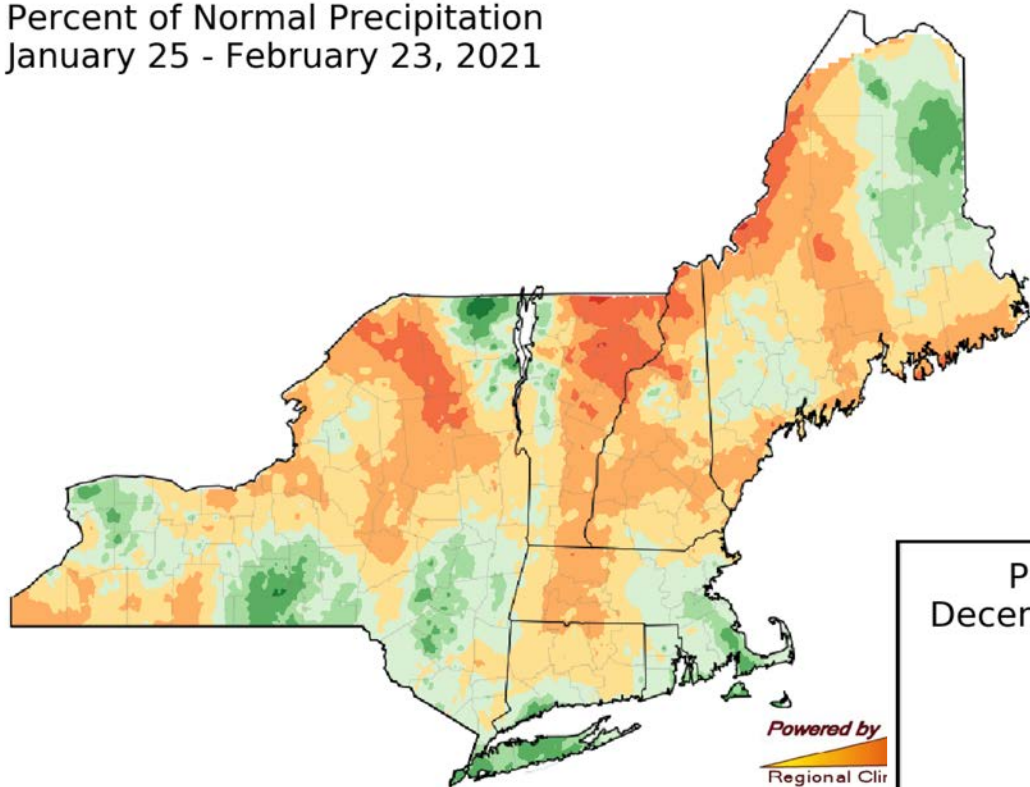


February 23:  
4% of the region was in a drought  
14% was abnormally dry

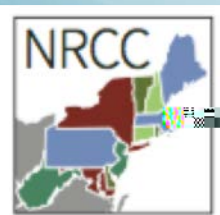
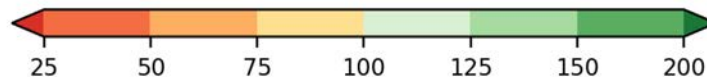
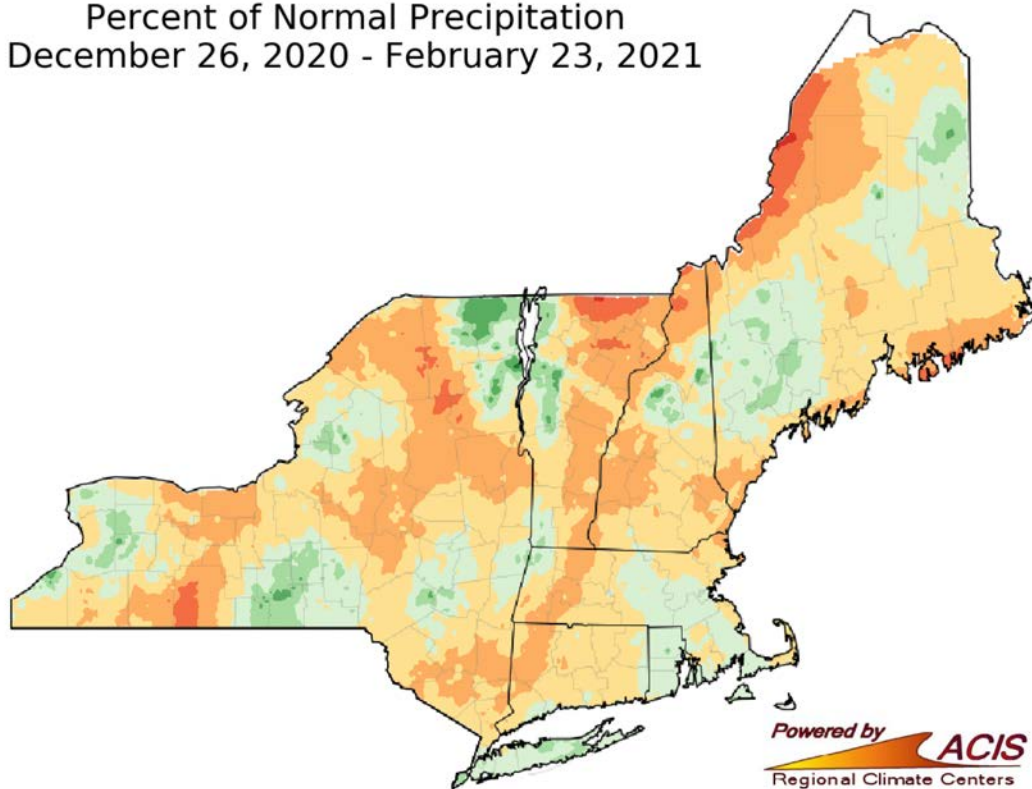


# Precipitation

Percent of Normal Precipitation  
January 25 - February 23, 2021

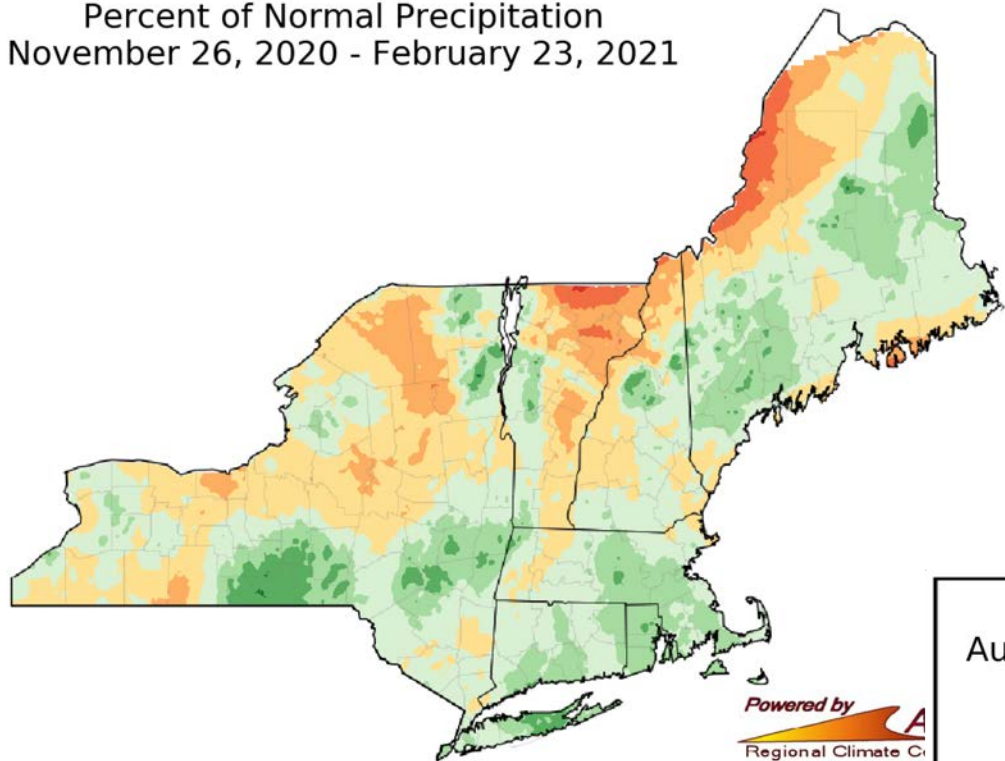


Percent of Normal Precipitation  
December 26, 2020 - February 23, 2021



# Precipitation

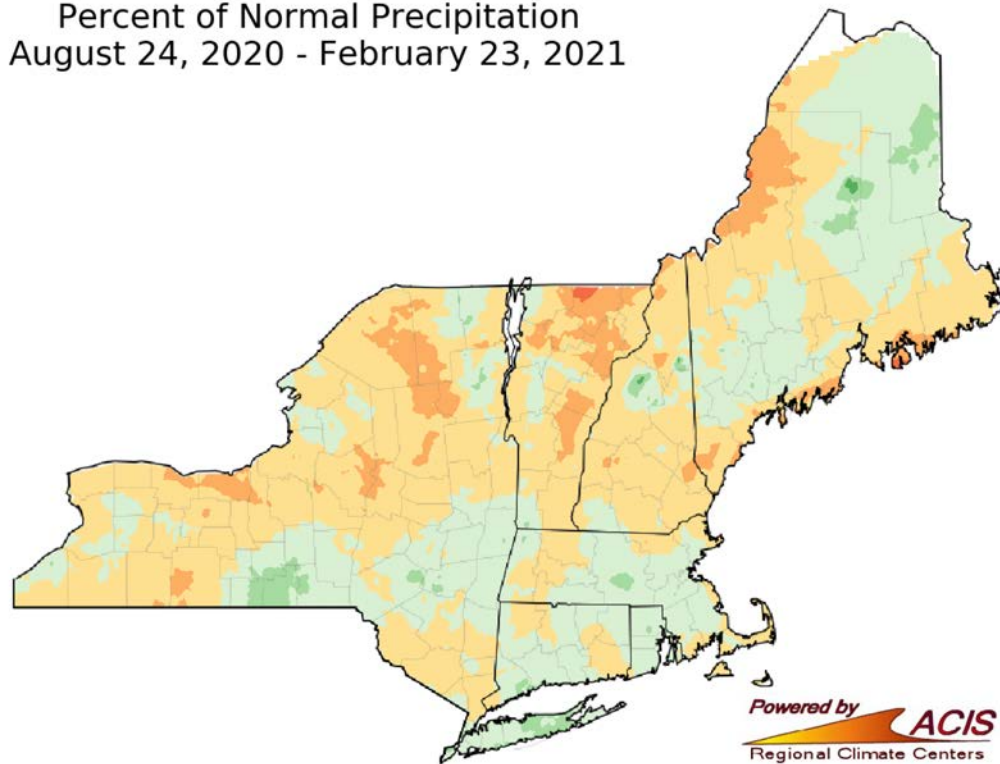
Percent of Normal Precipitation  
November 26, 2020 - February 23, 2021



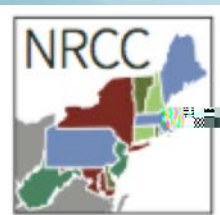
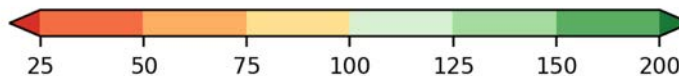
Powered by  
Regional Climate C



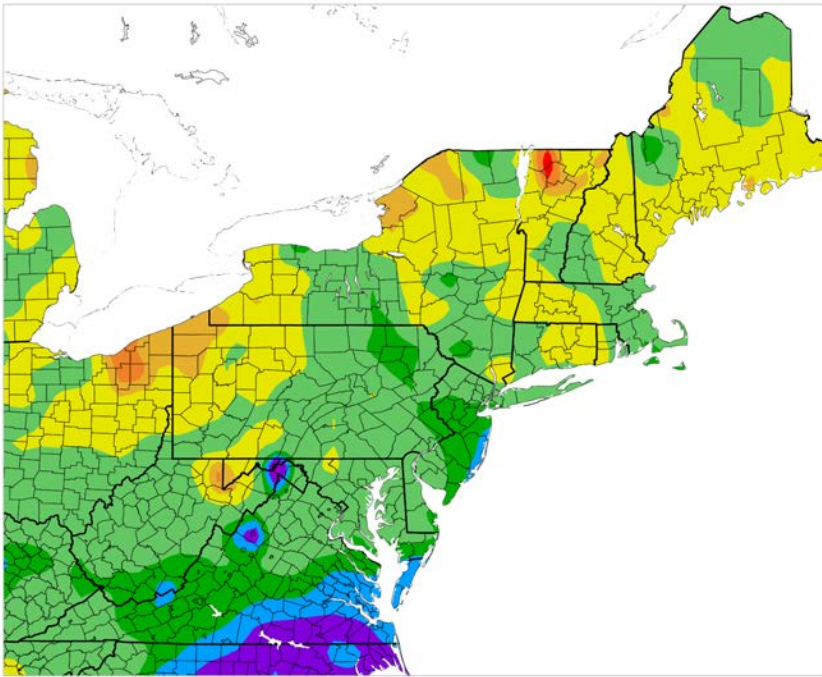
Percent of Normal Precipitation  
August 24, 2020 - February 23, 2021



Powered by  
ACIS  
Regional Climate Centers



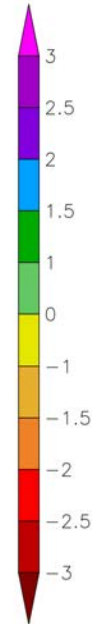
30 Day SPI  
1/25/2021 - 2/23/2021



Generated 2/24/2021 at HPRCC using provisional data.

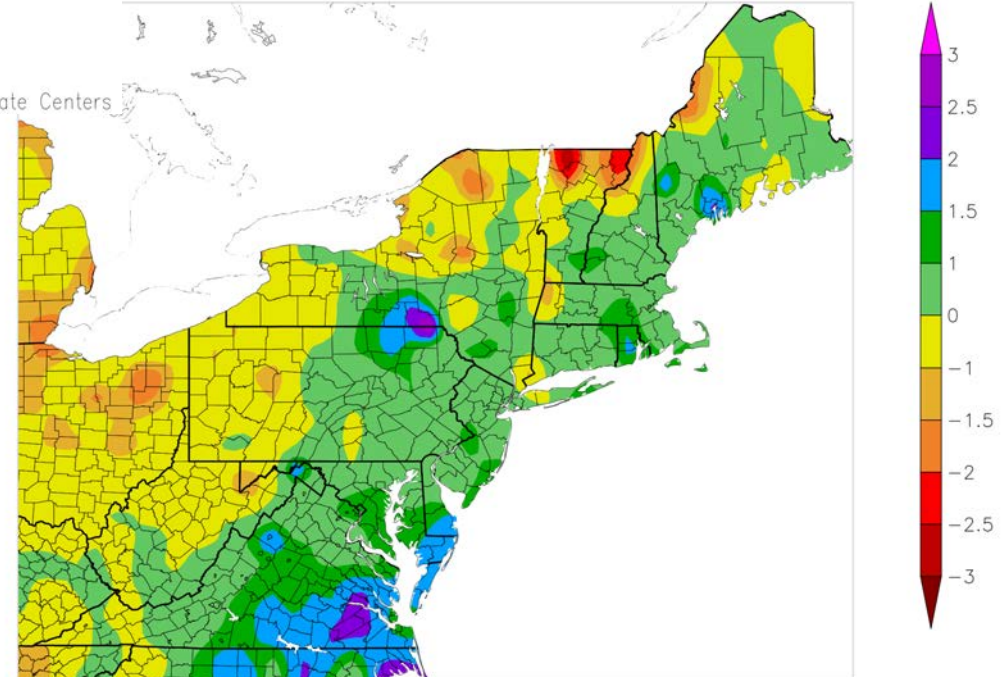


# Standardized Precipitation Index



90 Day SPI  
11/26/2020 - 2/23/2021

NOAA Regional Climate Centers



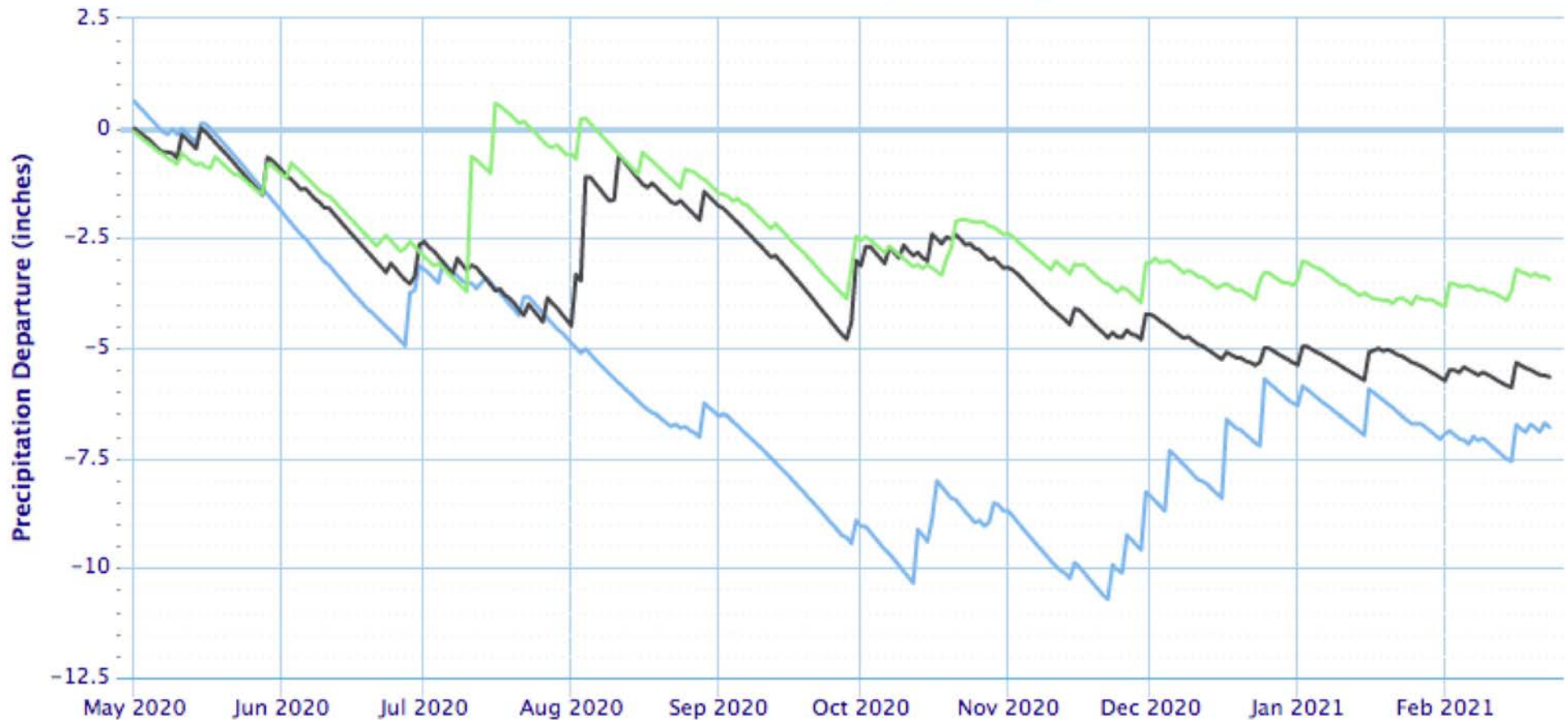
Generated 2/24/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

# Precipitation

## Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

— Concord Area, NH (ThreadEx):Precip Dprt

— Burlington Area, VT (ThreadEx):Precip Dprt

— Rochester Area, NY (ThreadEx):Precip Dprt



# Streamflow



# Groundwater





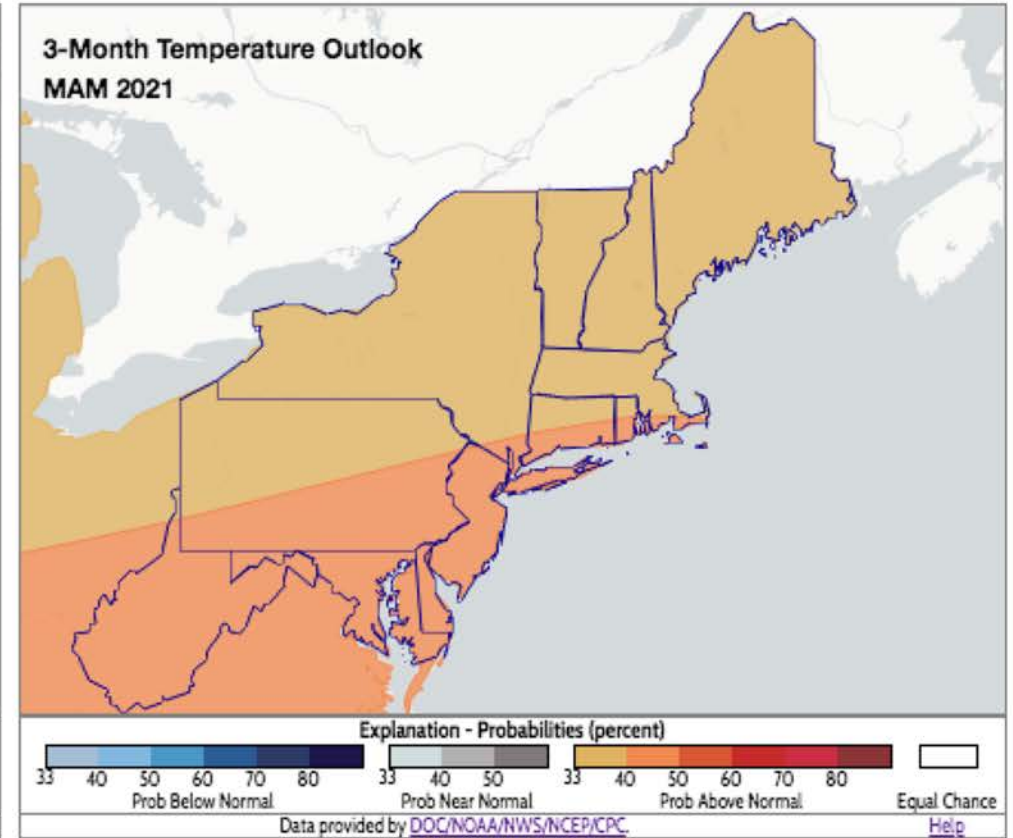
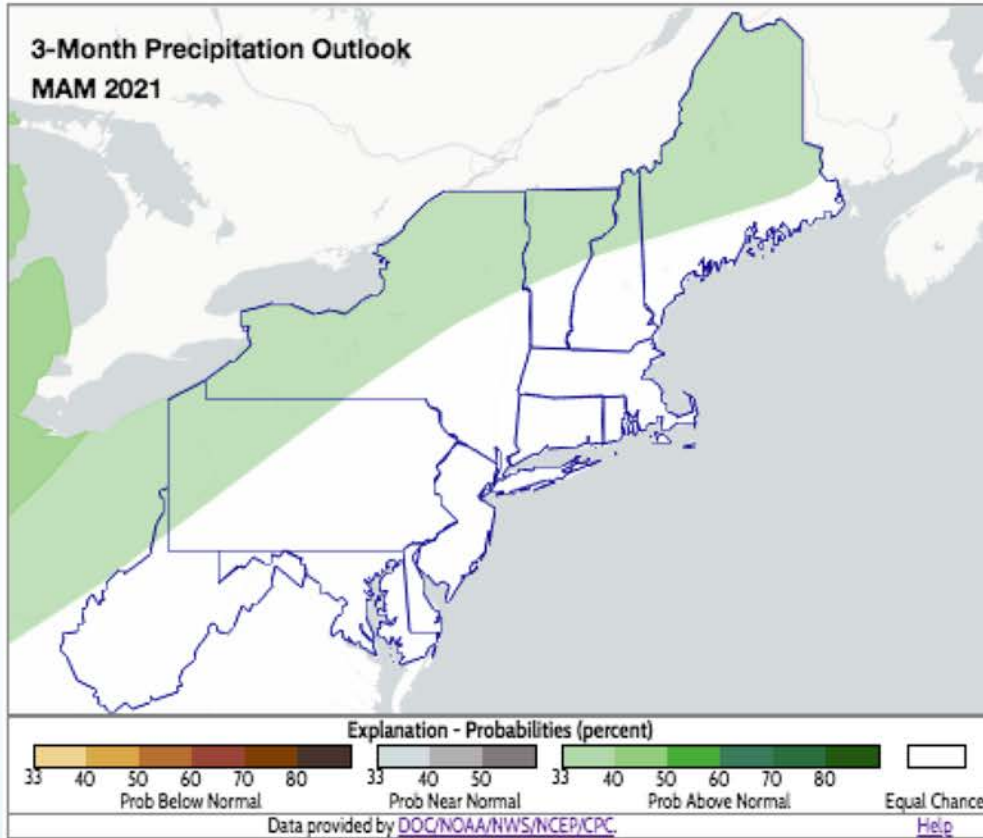
# Precipitation Forecast



# Short-term Outlooks



# Three-Month Outlook



# Contact Information

- [nrcc@cornell.edu](mailto:nrcc@cornell.edu)
- 607-255-1751

## Upcoming Webinars

- Tuesday, March 30 at 9:30am
  - Spring Flood Outlook
- Thursday, April 29 at 9:30am
  - Northeast Climate Integrated Modeling



[www.nrcc.cornell.edu](http://www.nrcc.cornell.edu)