

February Recap & Northeast DEWS Discussion

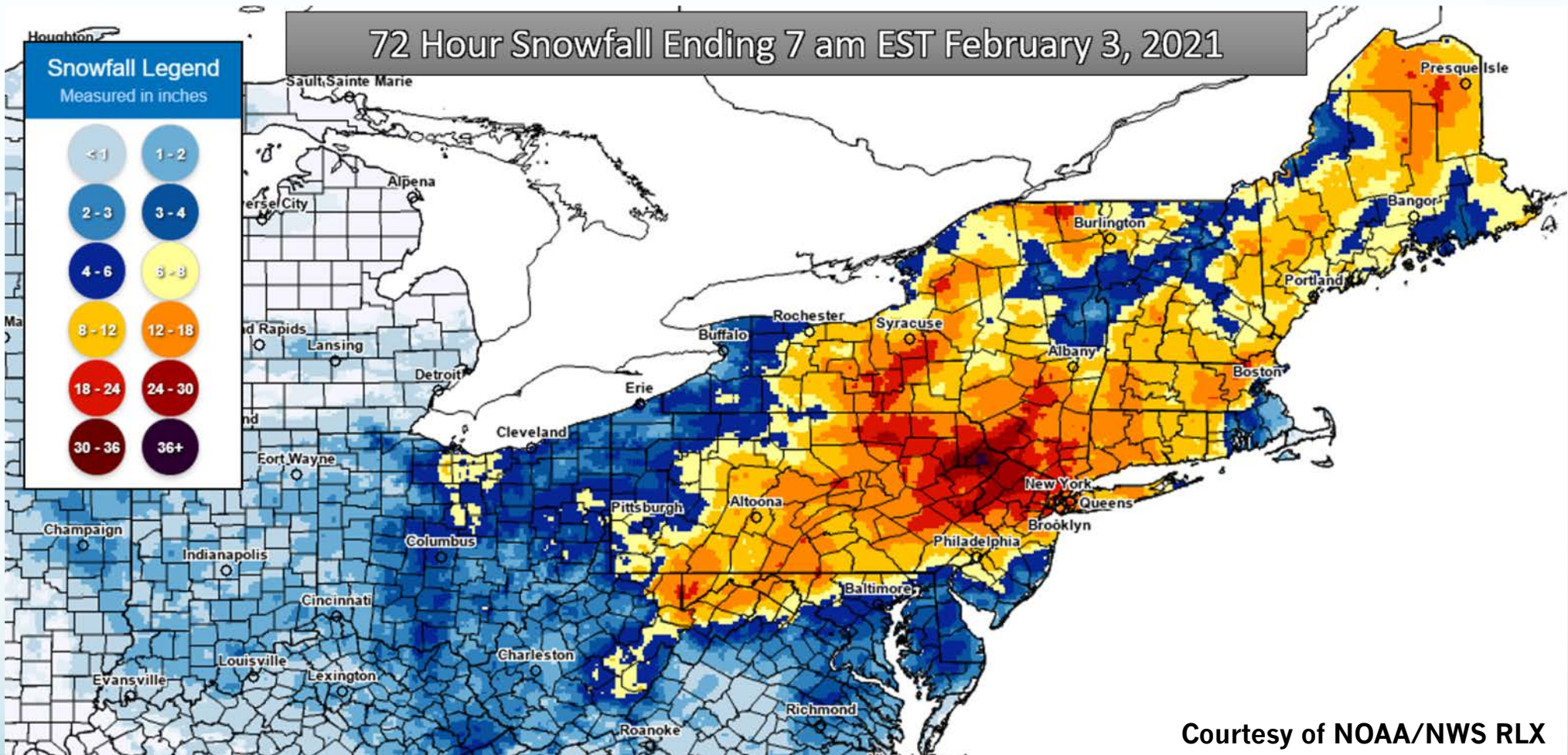
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center

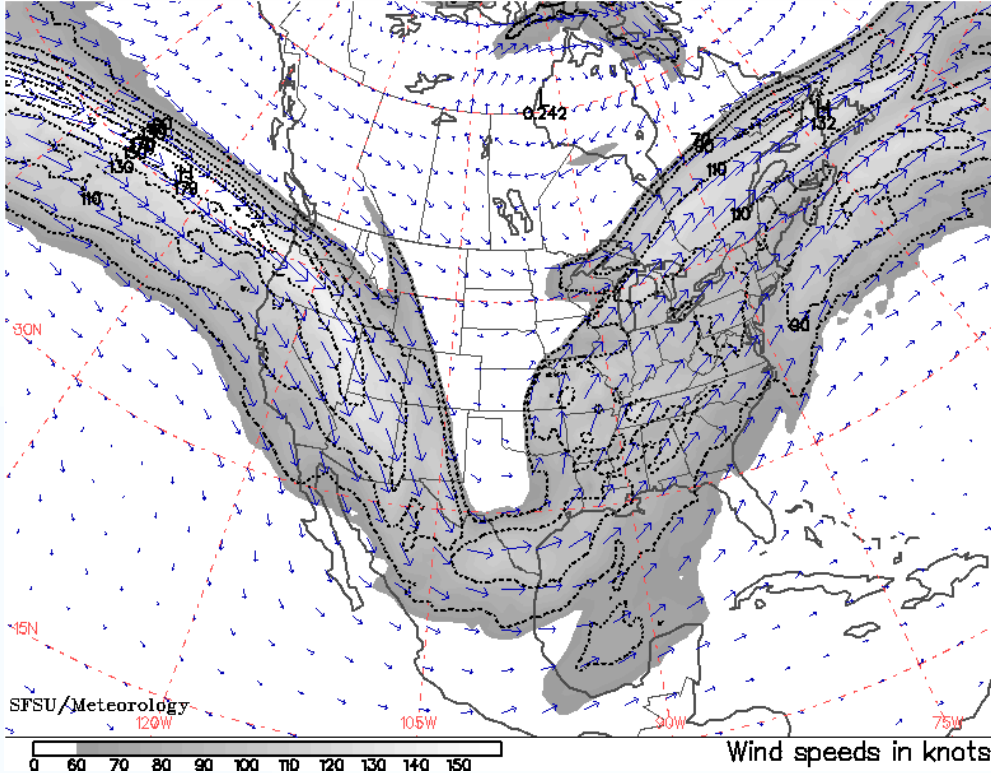


February 1-3 Storm



300 mb Jet Stream

GFS Model Analysis for 12Z 15 FEB 2021

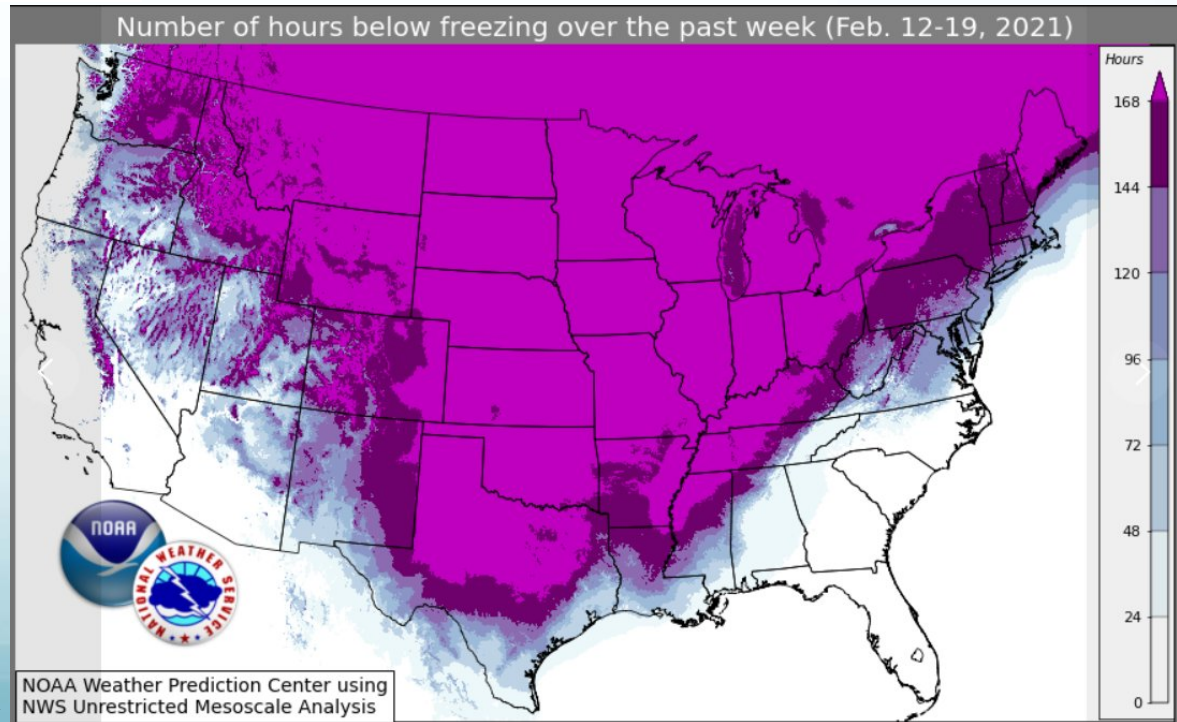


Mid-February Weather Pattern

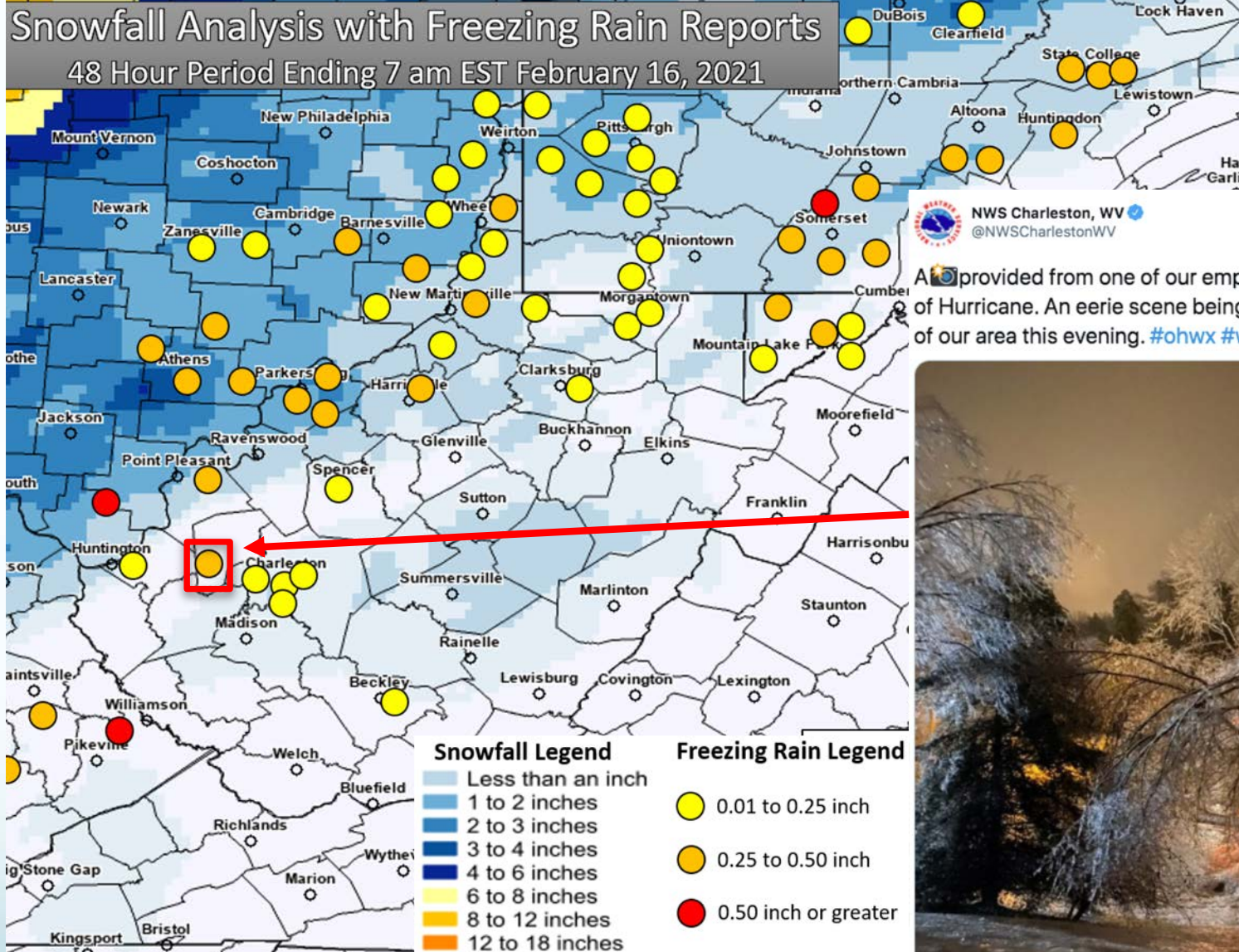
Courtesy of San Francisco State University/California Regional Weather Server



Courtesy of NOAA/NWS RNK



February 15-16 Storm



NWS Charleston, WV @NWSCharlestonWV

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



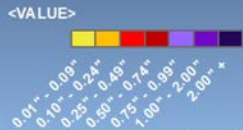
9:56 PM · Feb 15, 2021 · Twitter Web App

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



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

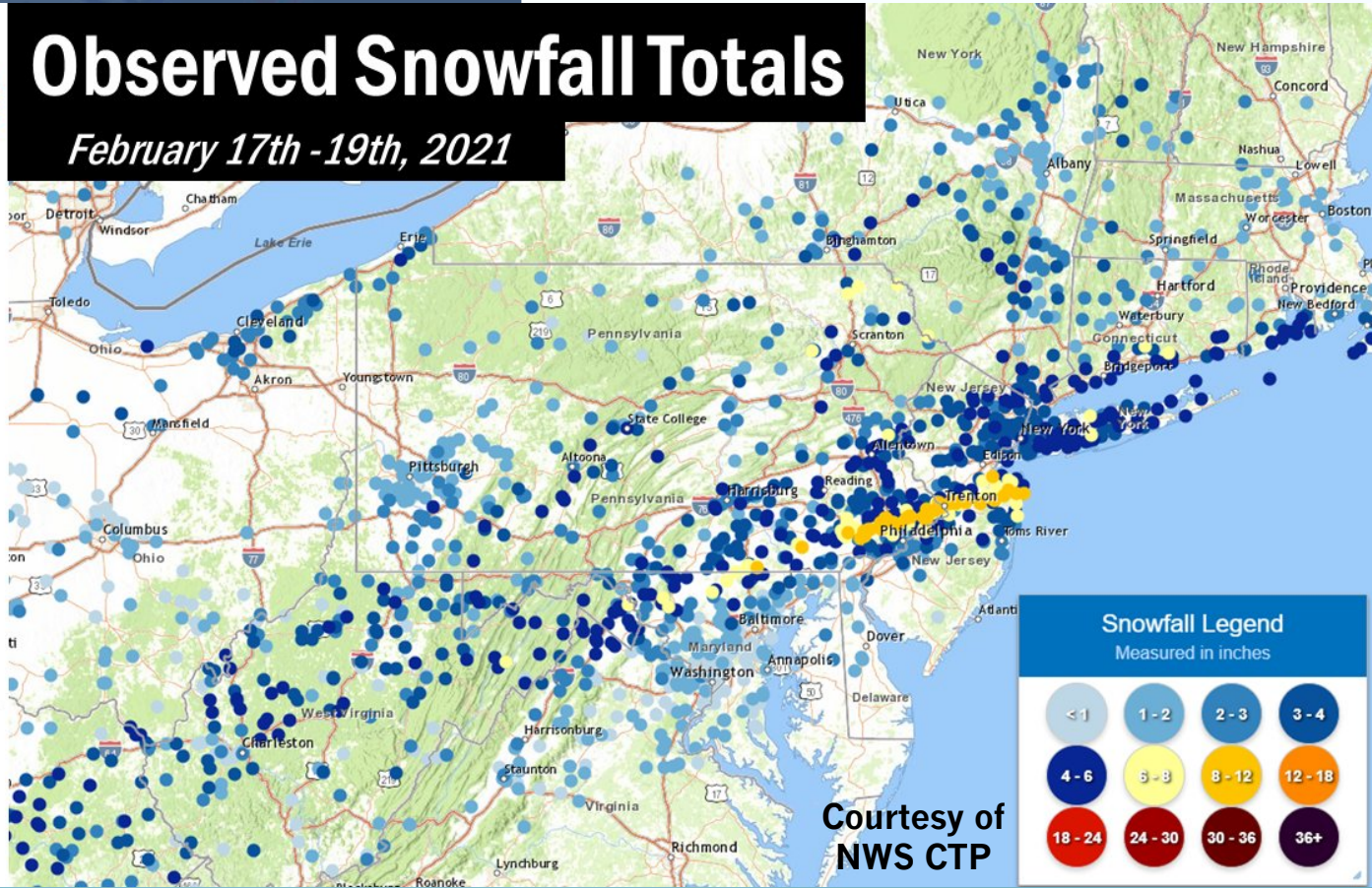


February 18-19 Storm



Observed Snowfall Totals

February 17th -19th, 2021



UPDATED:
10 AM Friday
2/19/21

Courtesy of
NWS CTP

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

Time Series Summary for Pittsburgh Area, PA (ThreadEx) - Month of Feb

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

Rank	Year	Number of Days Snowfall \geq 0.1	Missing Count
1	1960	17	0
2	2021	16	5
-	2010	16	0
-	2008	16	0

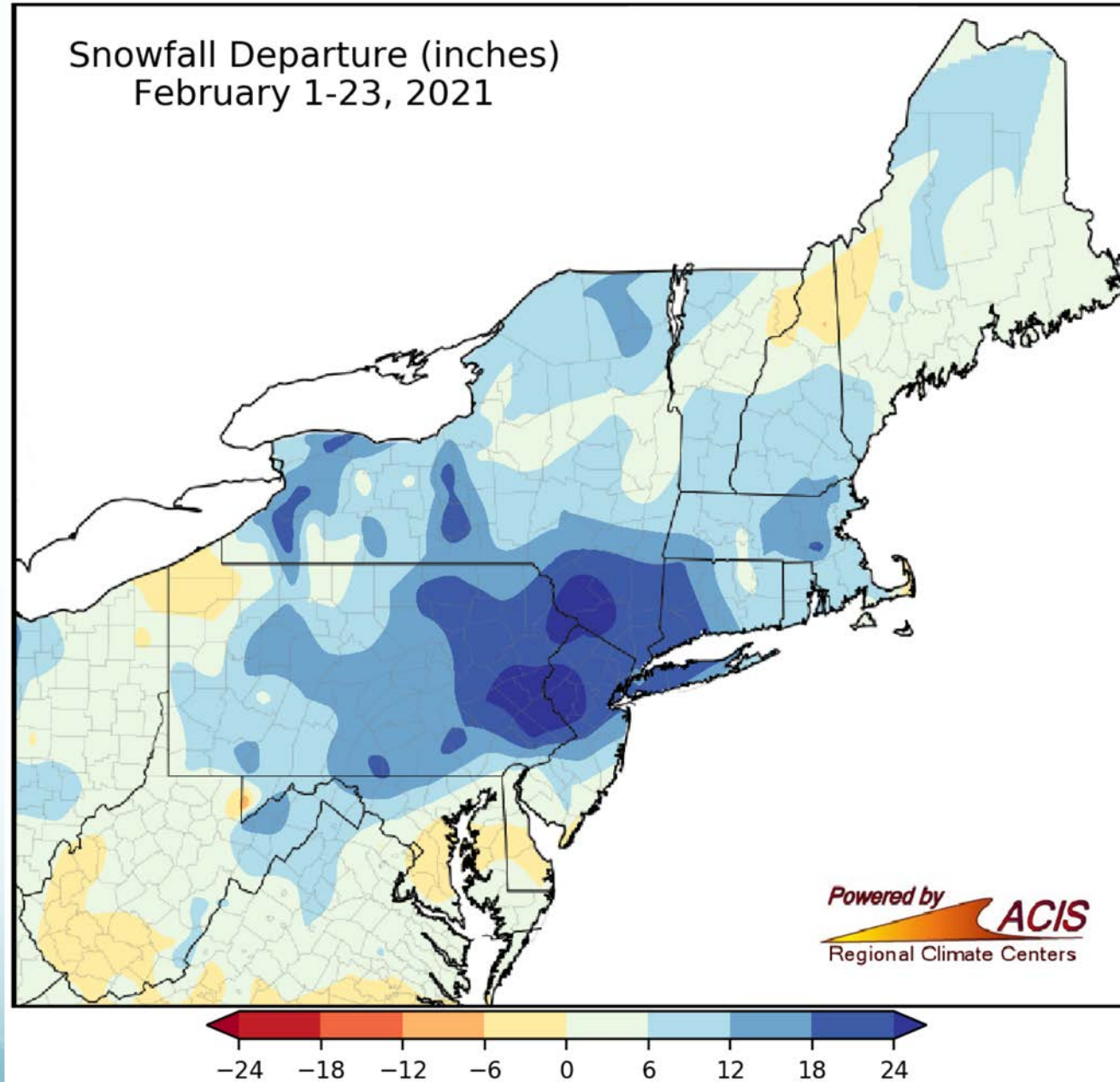
Time Series Summary for Newark Area, NJ (ThreadEx) - Month of Feb

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

Rank	Year	Number of Days Snowfall \geq 0.1	Missing Count
1	1964	10	0
2	2021	9	5
-	1972	9	0
-	1969	9	0
-	1962	9	0



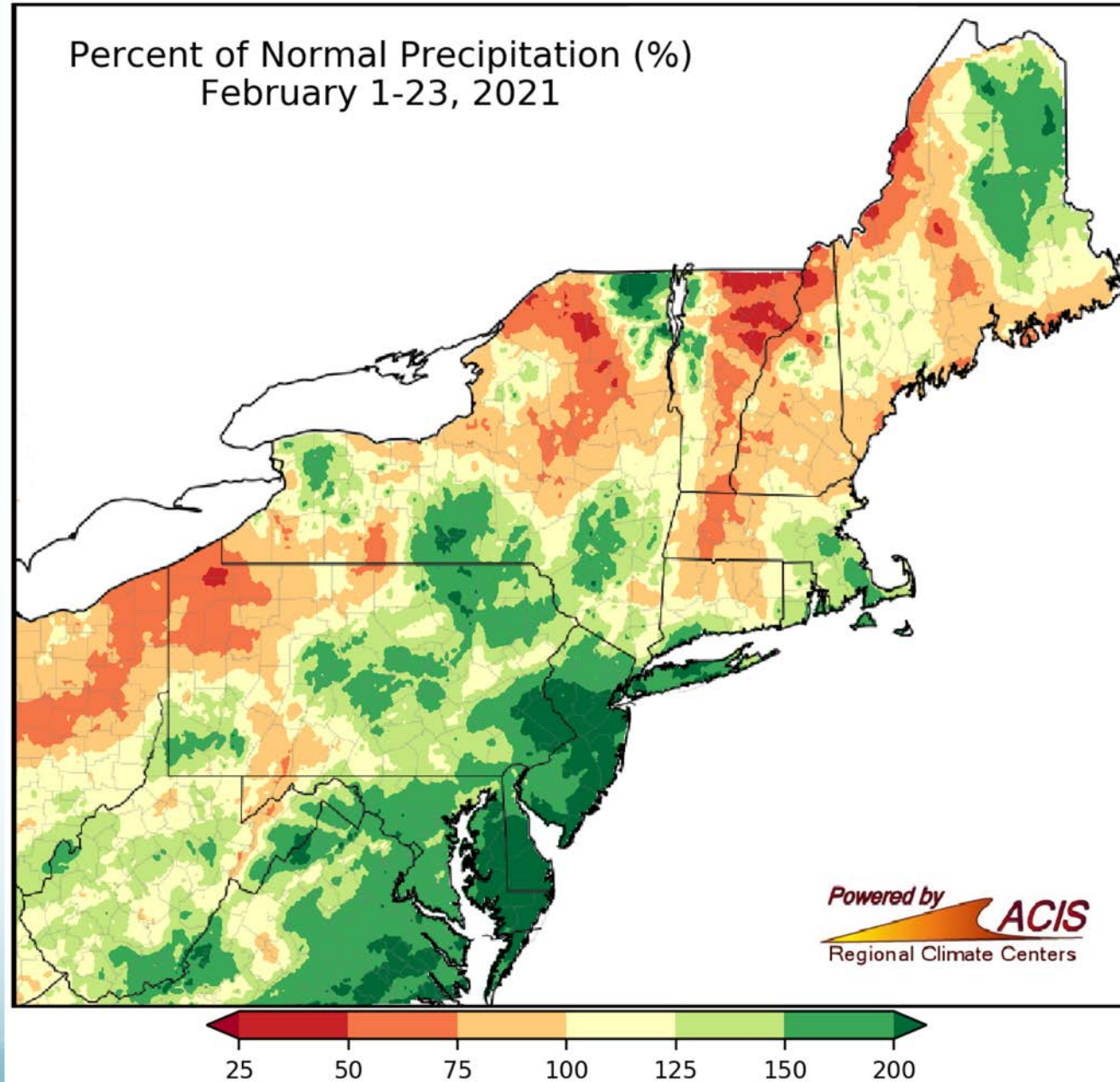
February Snowfall



From 6" below normal to 24" above normal

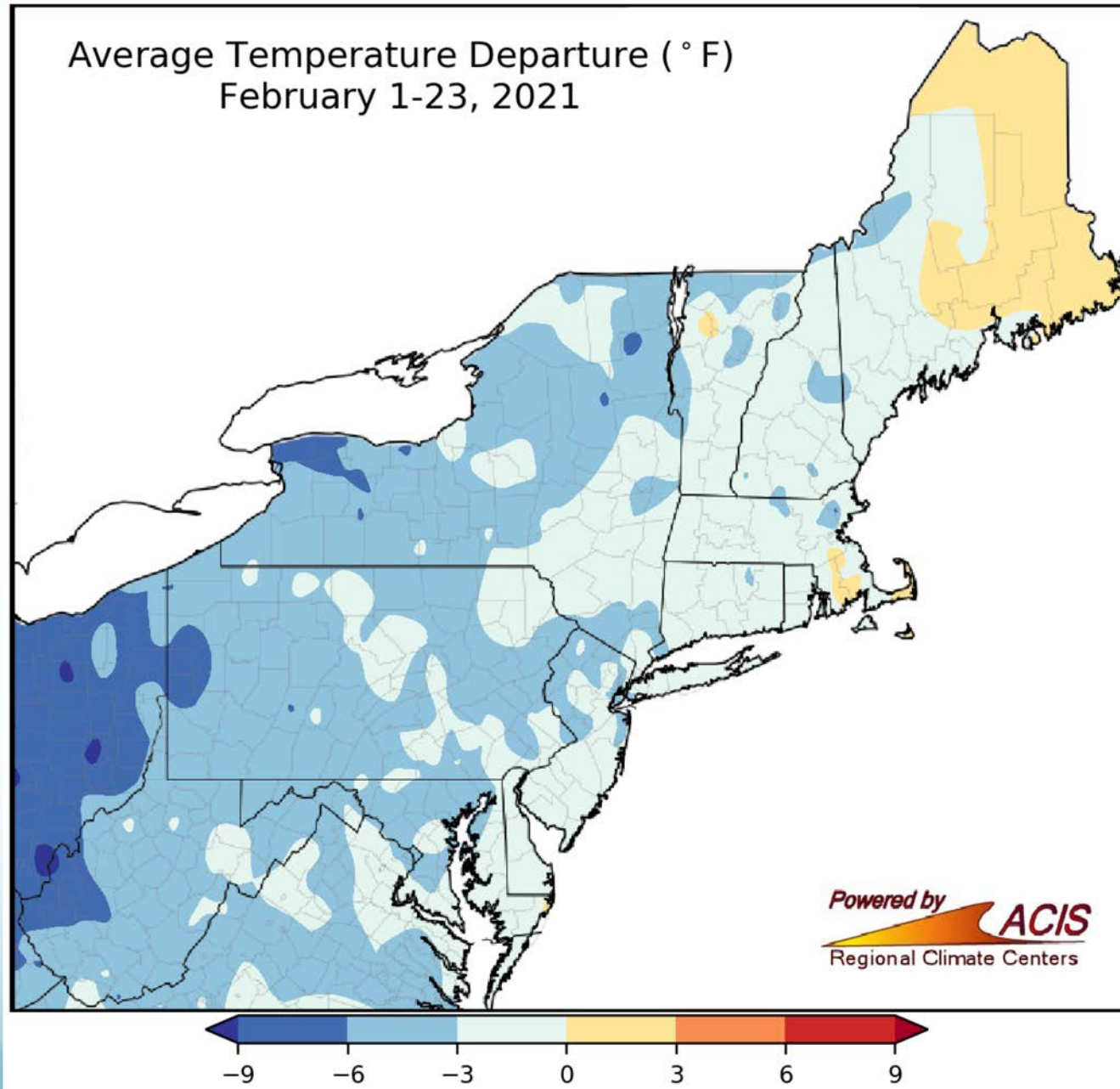


February Precipitation



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

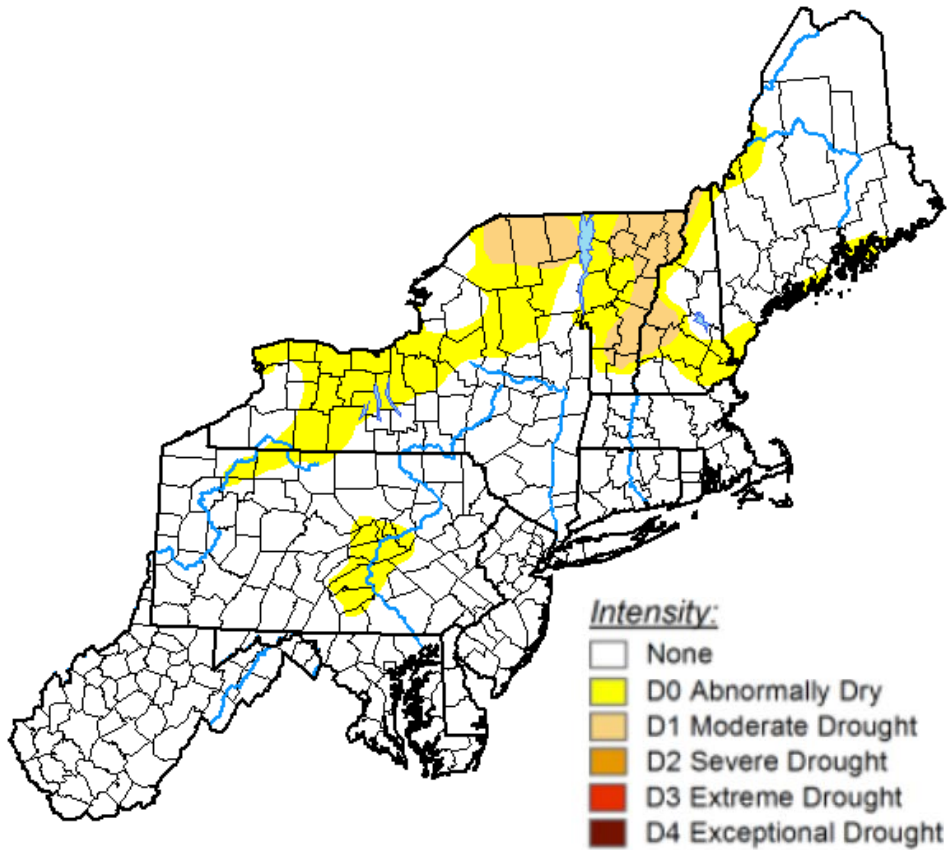
February Temperatures



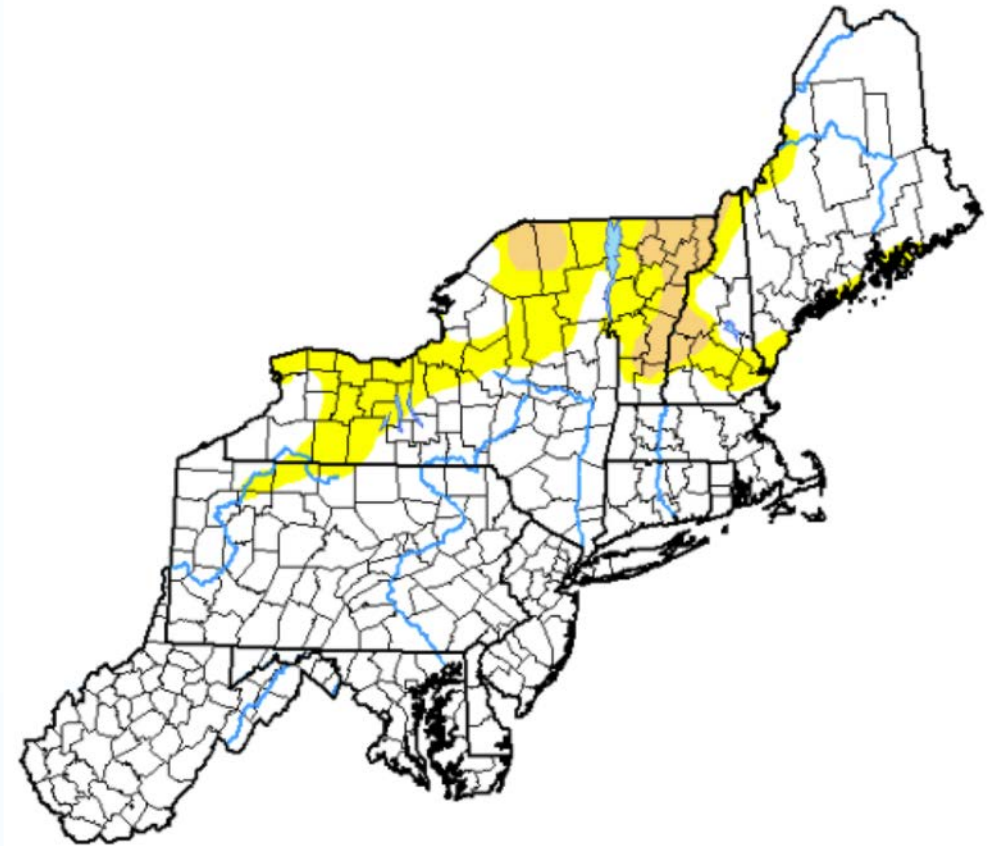
From 9°F below normal to 3°F above normal



Drought Monitor



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

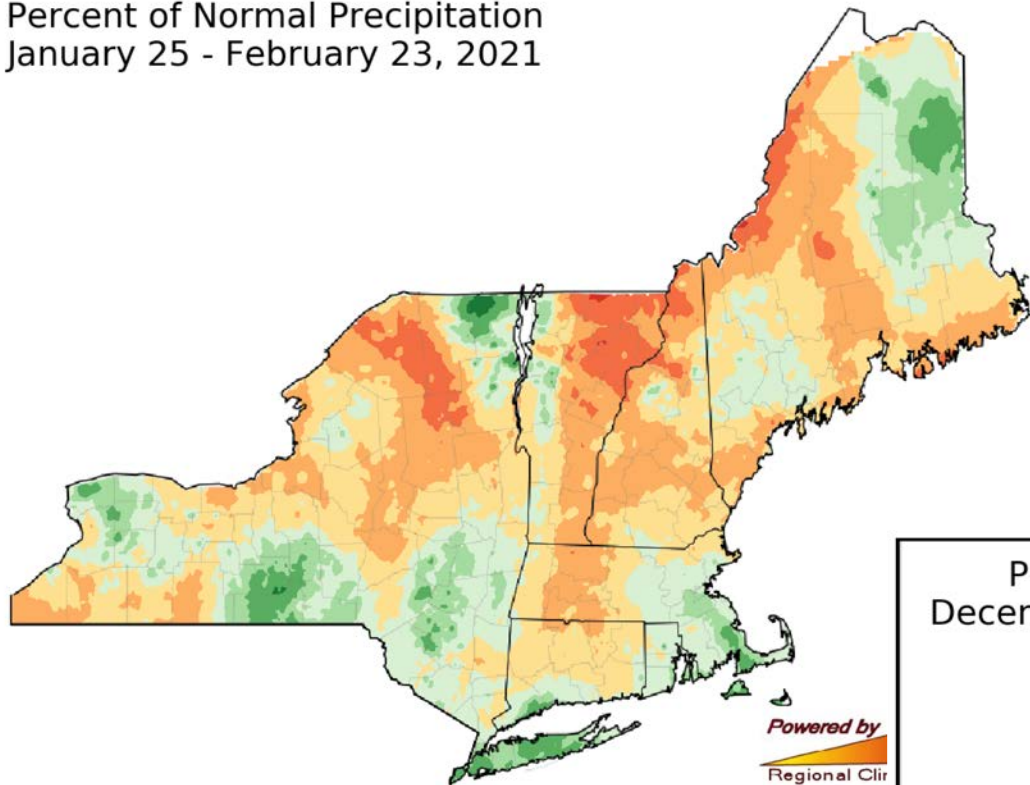


February 23:
4% of the region was in a drought
14% was abnormally dry



Precipitation

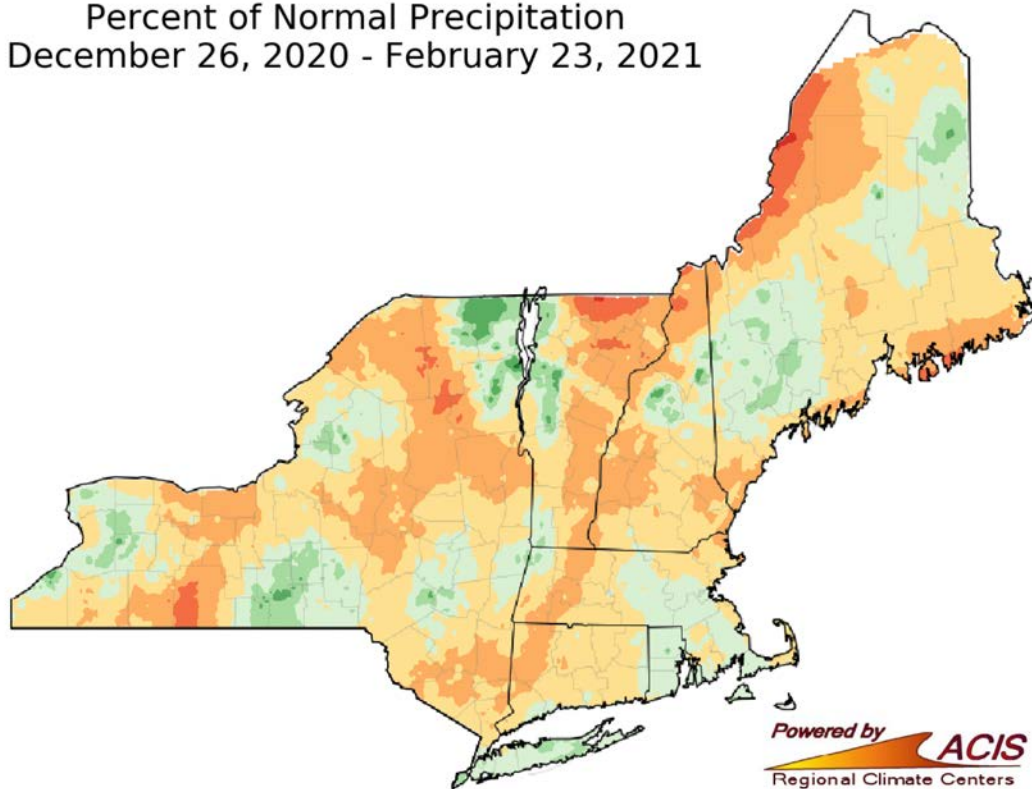
Percent of Normal Precipitation
January 25 - February 23, 2021



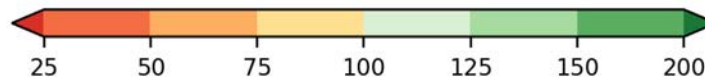
Powered by
Regional Clir



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

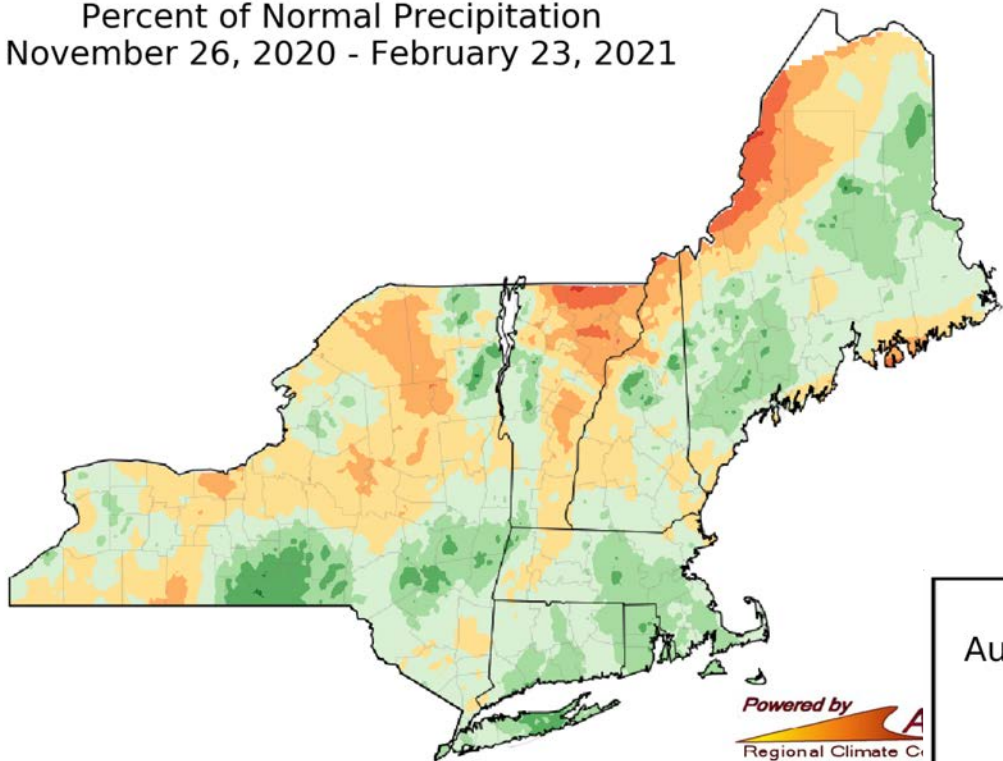


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ACIS
Regional Climate Centers

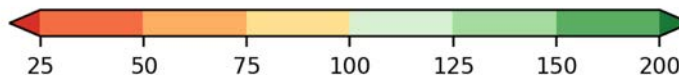
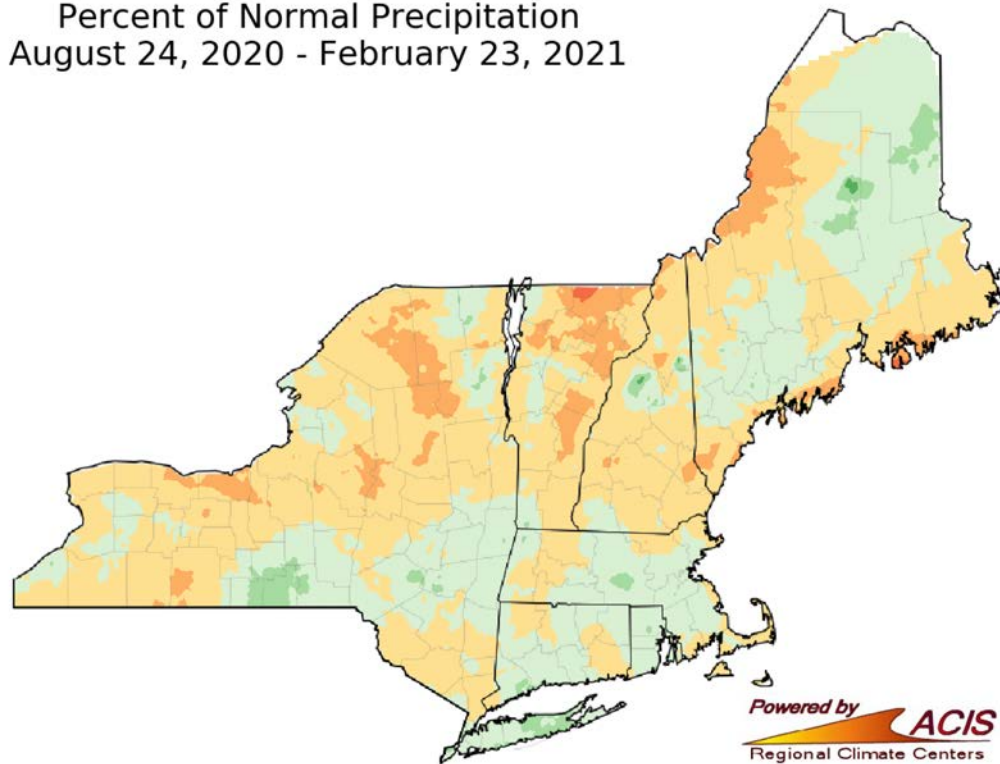


Precipitation

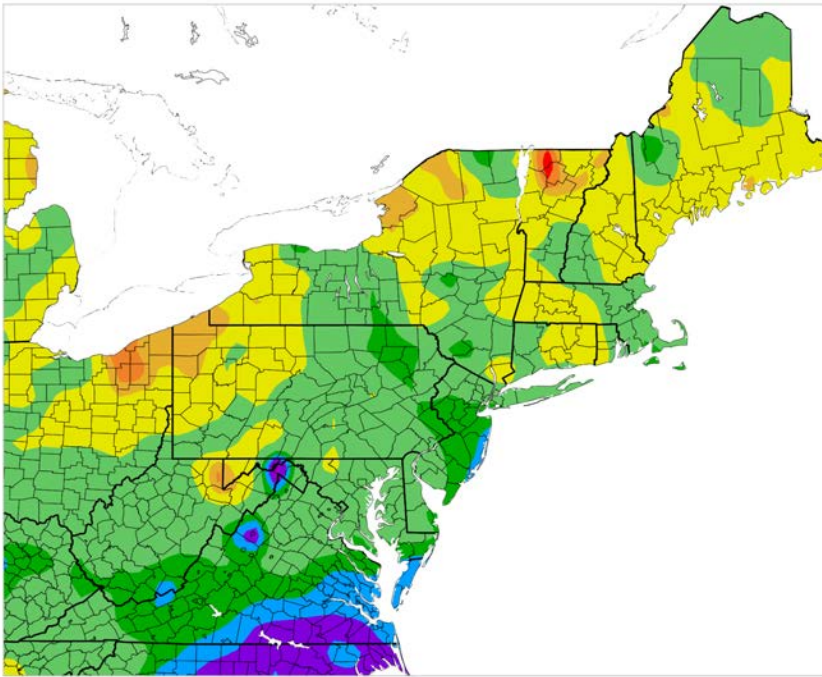
Percent of Normal Precipitation
November 26, 2020 - February 23, 2021



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

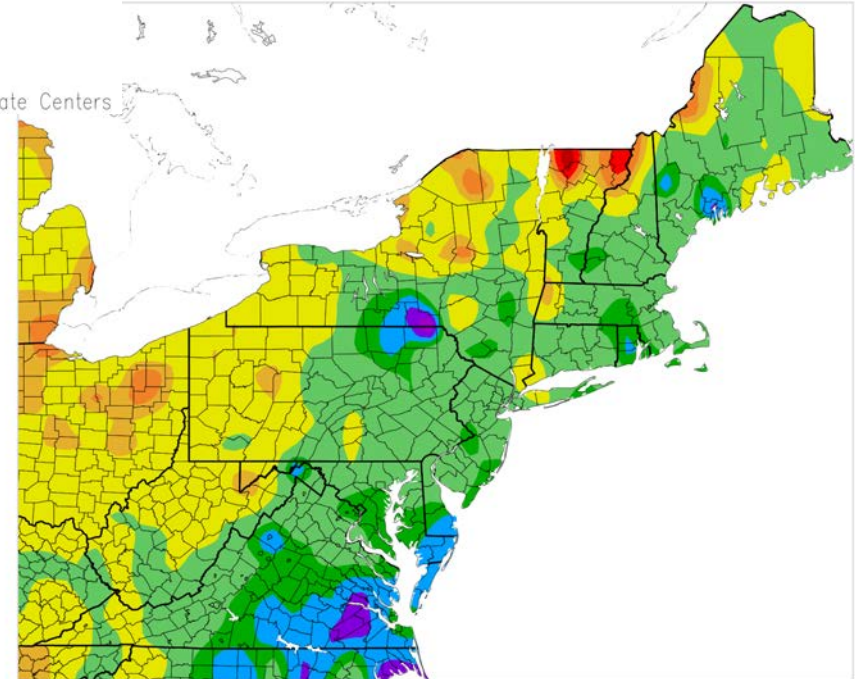


30 Day SPI
1/25/2021 - 2/23/2021



Standardized Precipitation Index

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



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

NOAA Regional Climate Centers



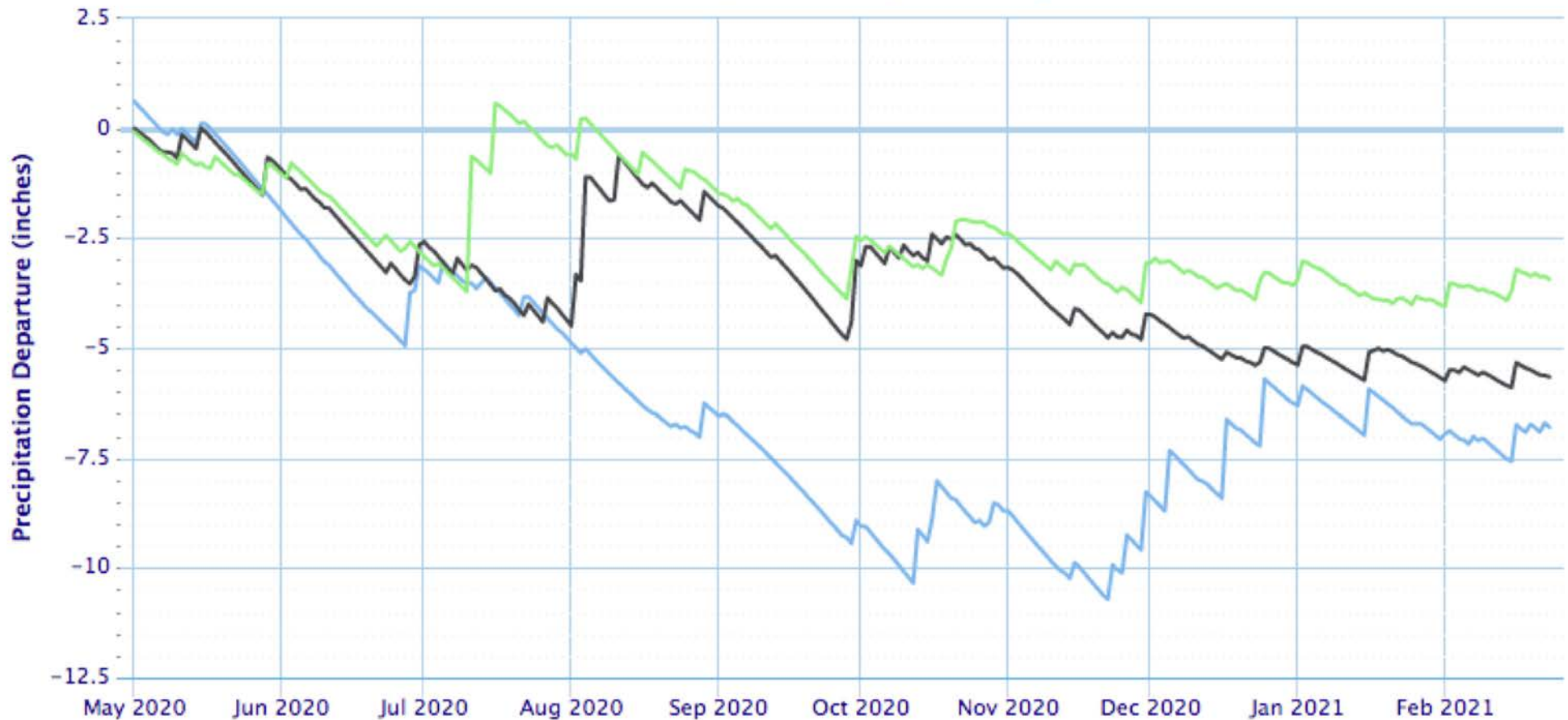
Generated 2/24/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

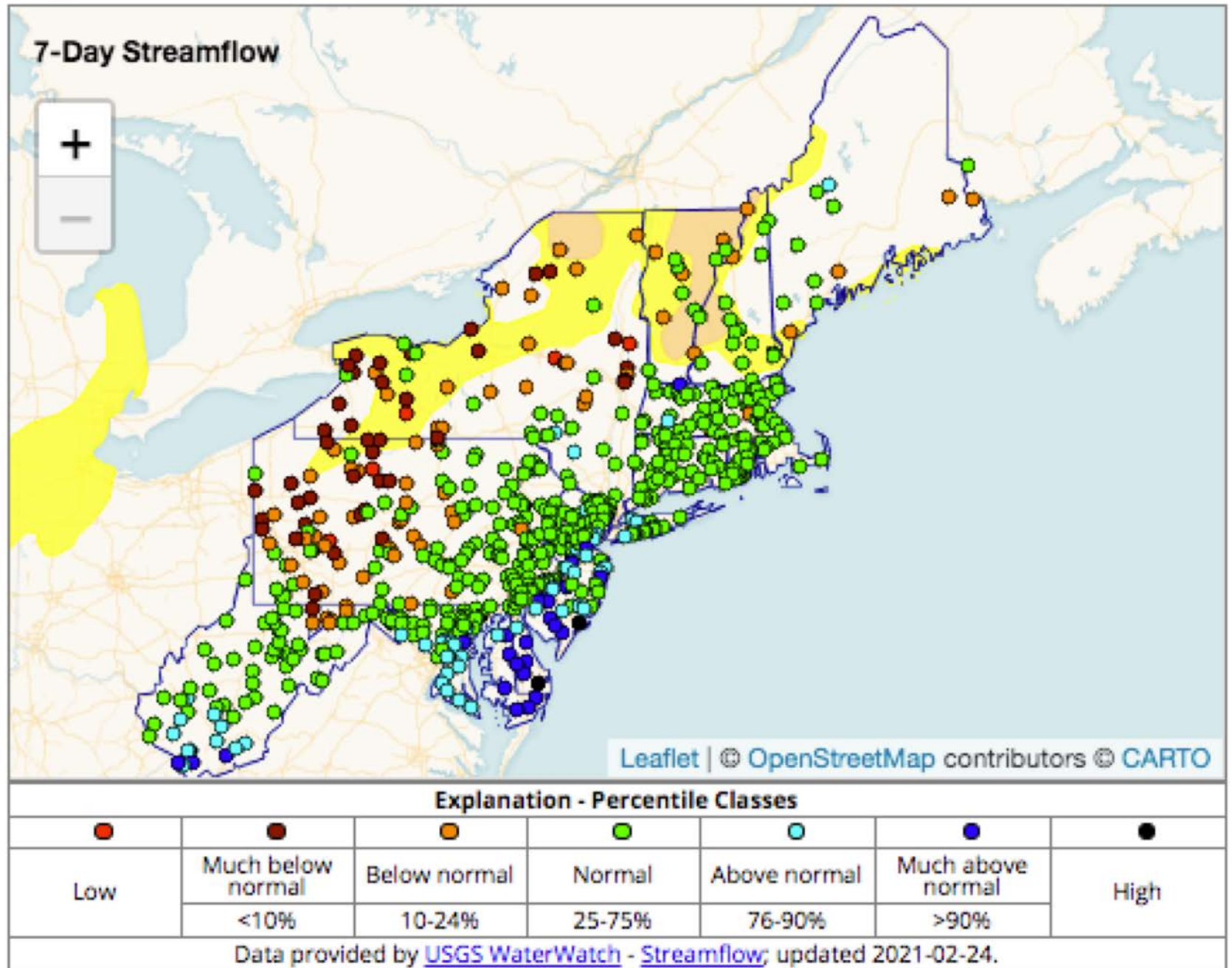
— Concord Area, NH (ThreadEx):Precip Dprt

— Burlington Area, VT (ThreadEx):Precip Dprt

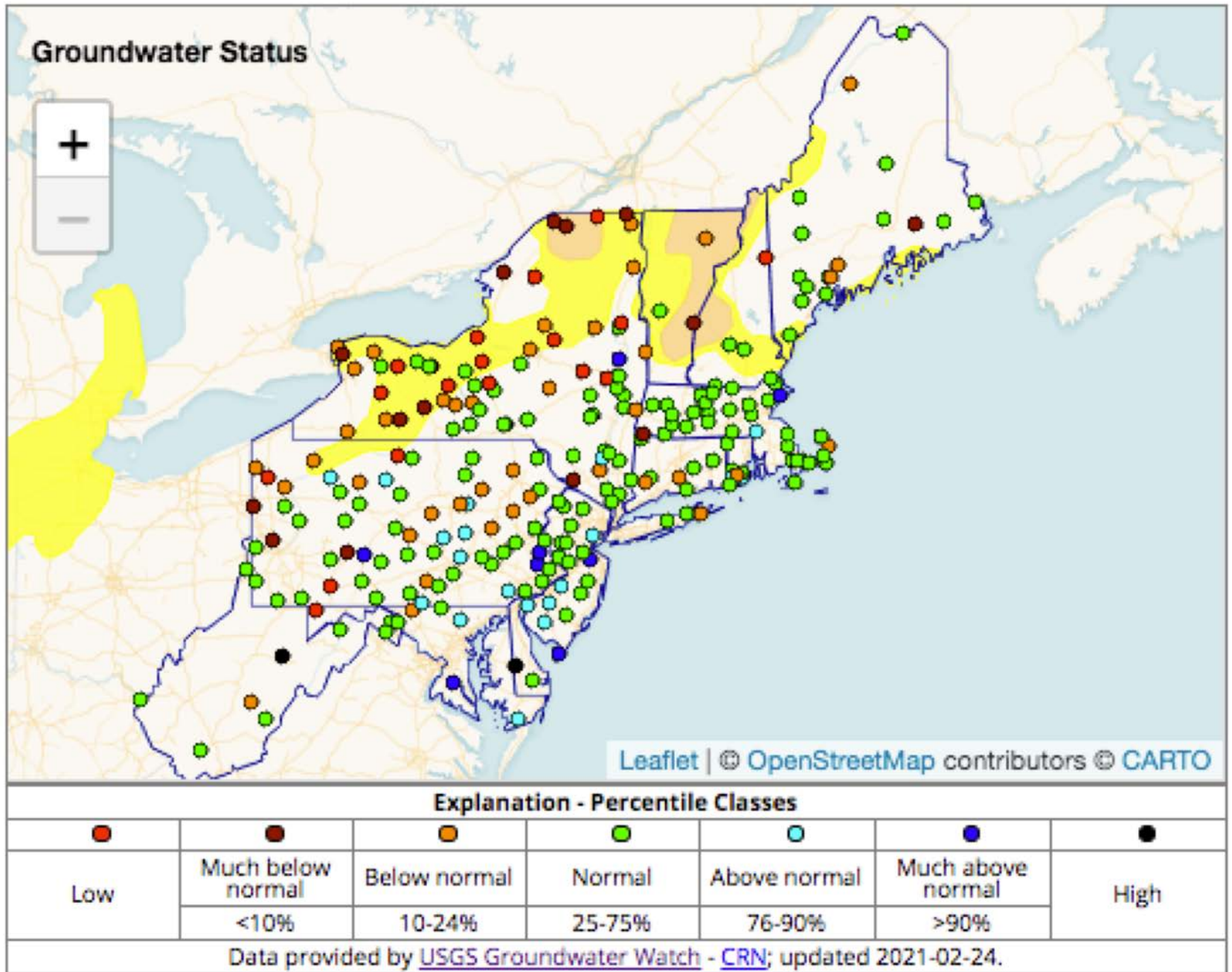
— Rochester Area, NY (ThreadEx):Precip Dprt



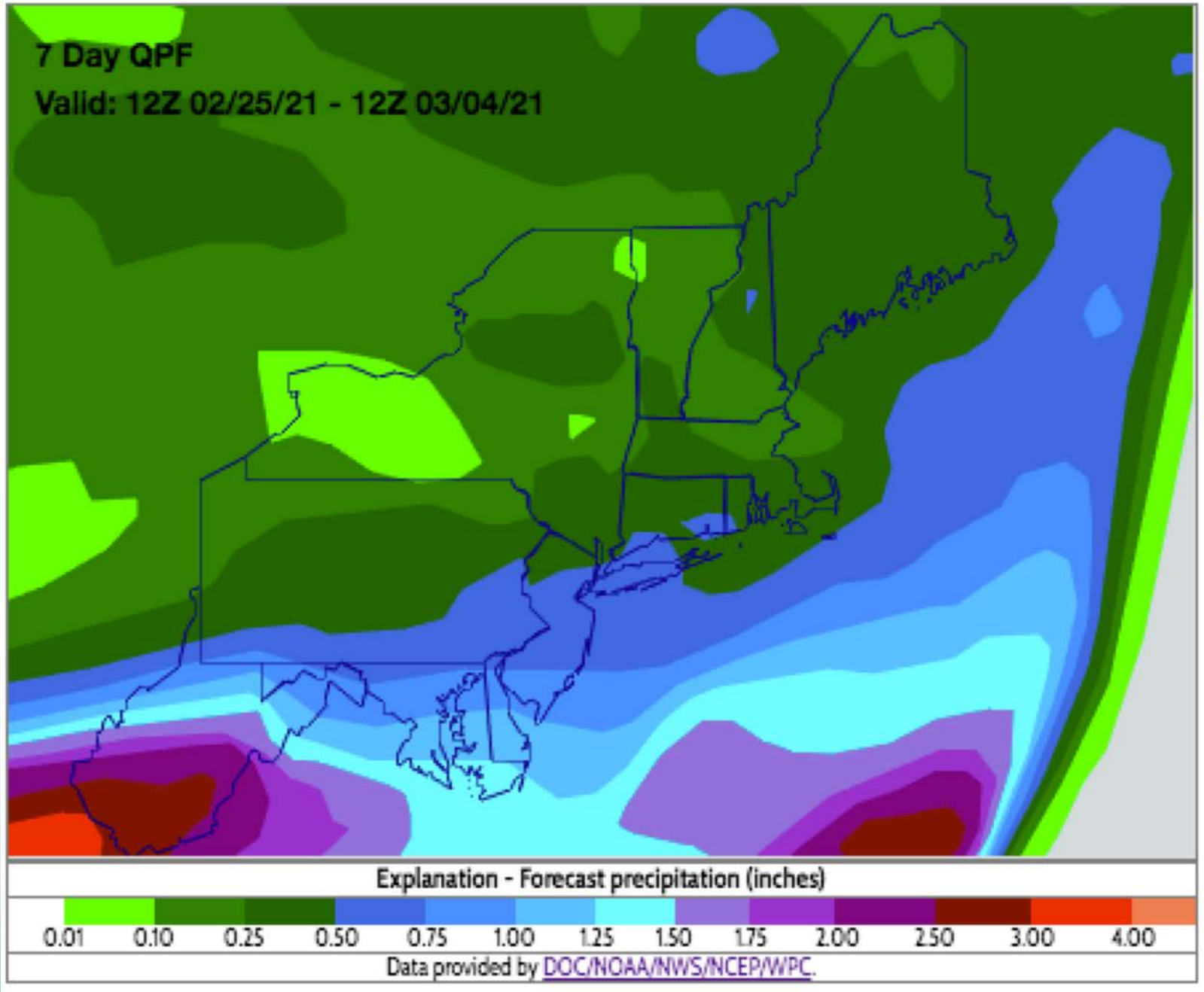
Streamflow



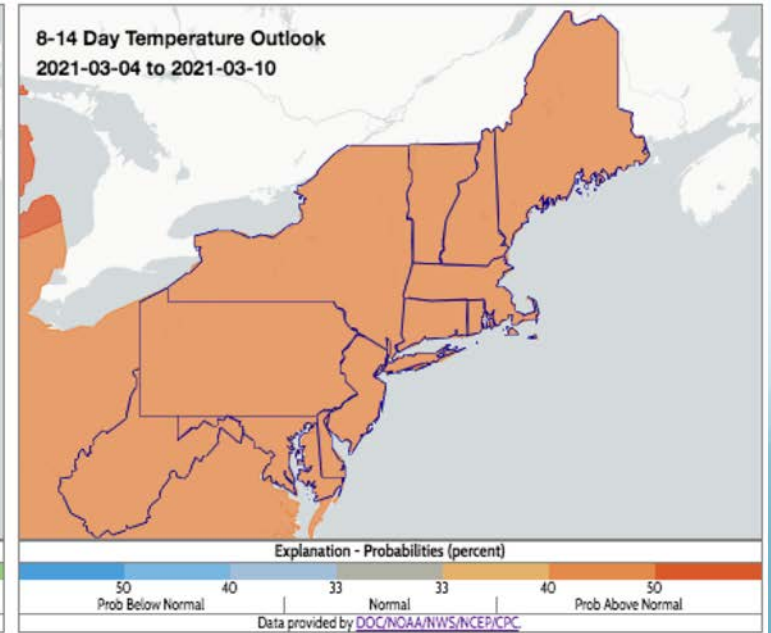
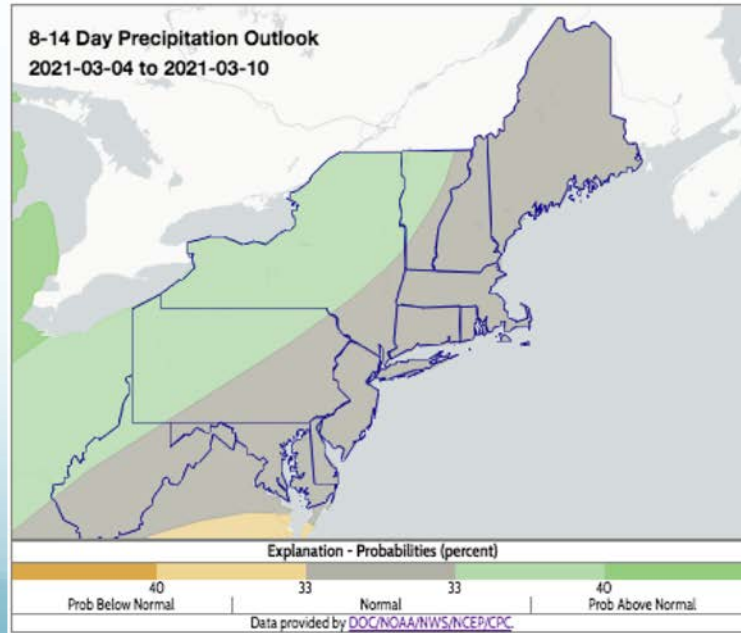
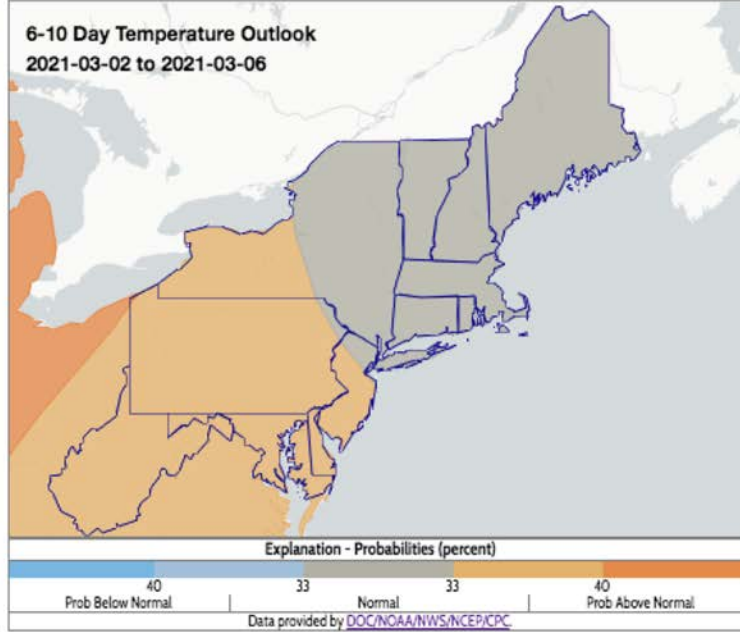
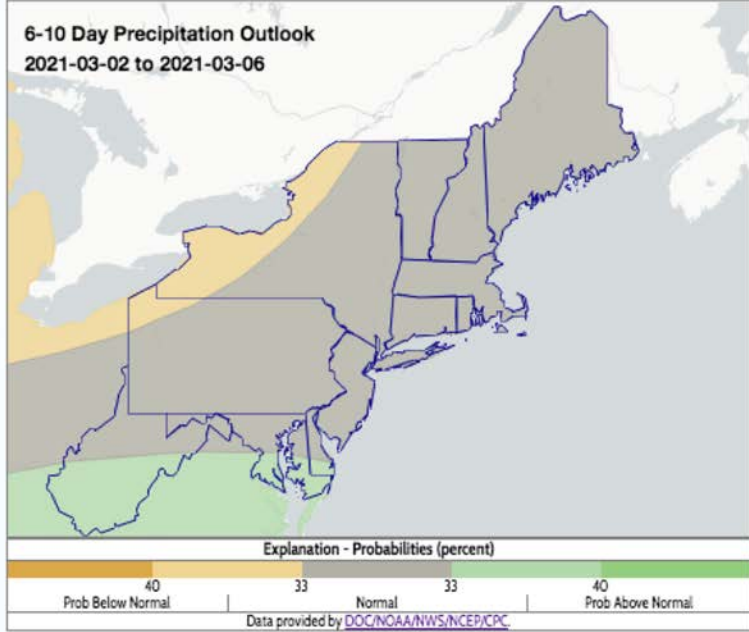
Groundwater



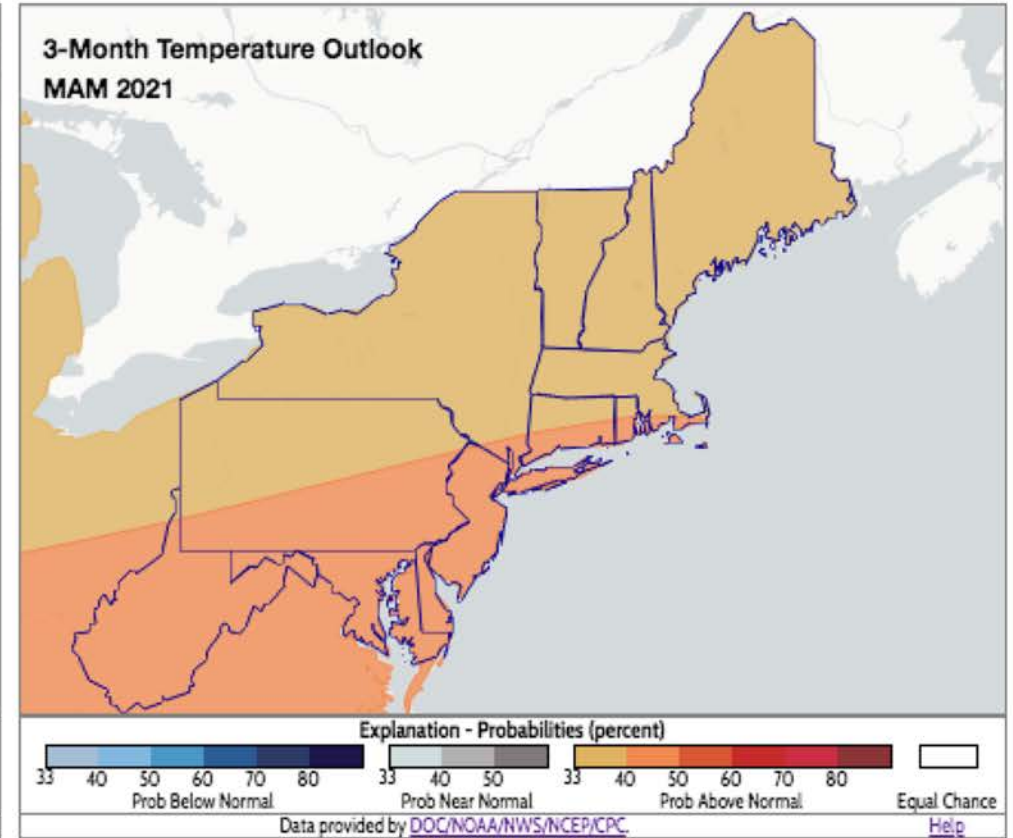
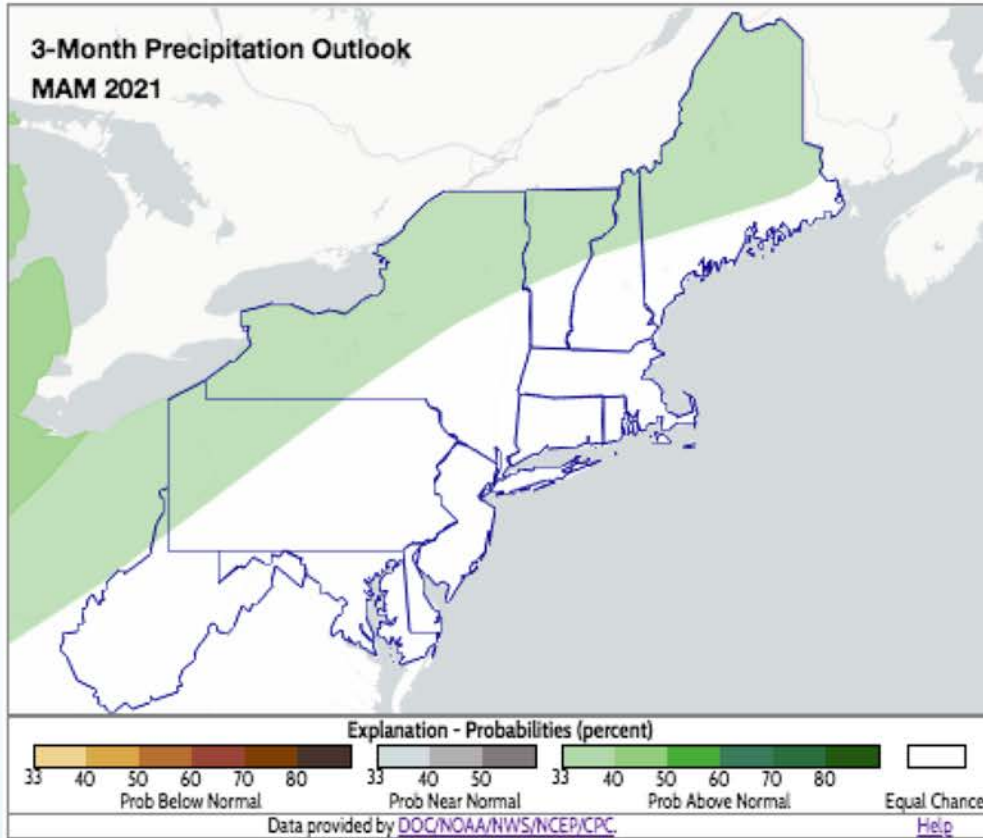
Precipitation Forecast



Short-term Outlooks



Three-Month Outlook



Contact Information

- nrcc@cornell.edu
- 607-255-1751

Upcoming Webinars

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



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