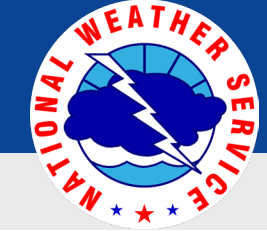


# North Carolina Drought Management Advisory Council (NC DMAC) Annual Meeting

Barrett Smith

National Weather Service - Raleigh, NC

September 18, 2025

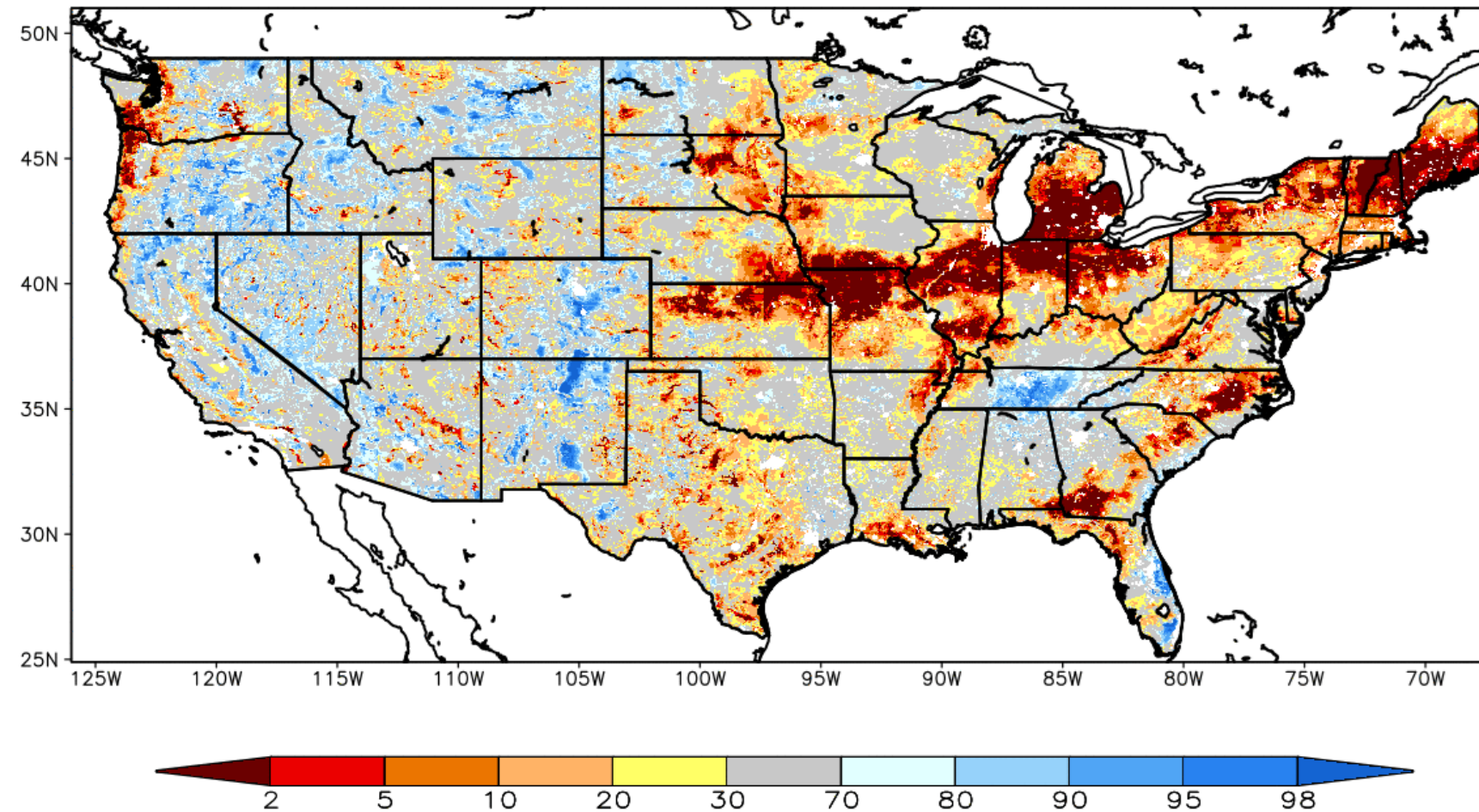


# NASA SPoRT-LIS Soil Moisture

September 18, 2025  
8:01 AM EDT

Courtesy of NASA SPoRT

SPoRT-LIS 0-2 m RSM percentile valid 17 Sep 2025

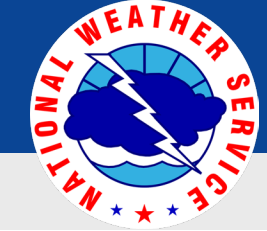


**\*\*NOTE\*\***  
**\*\*Experimental\*\***



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Raleigh, NC

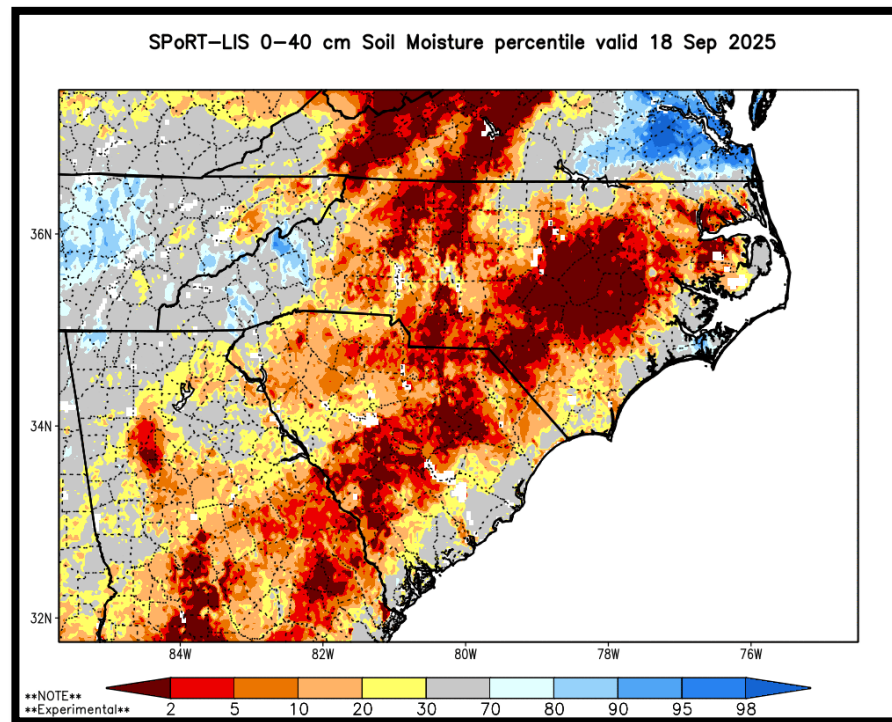


# NASA SPoRT-LIS Soil Moisture

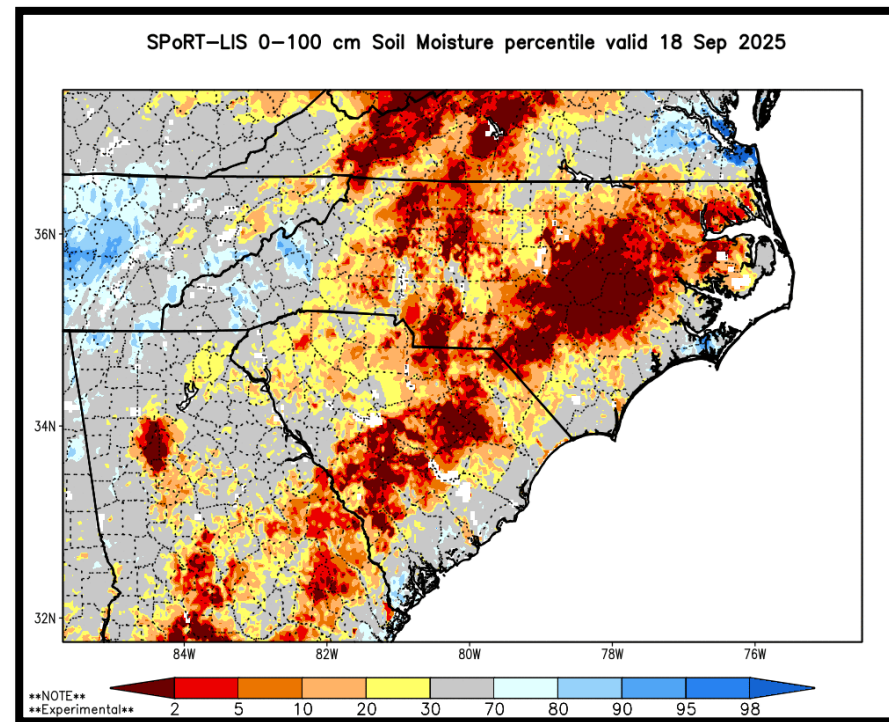
September 18, 2025  
8:01 AM EDT

Courtesy of NASA SPoRT

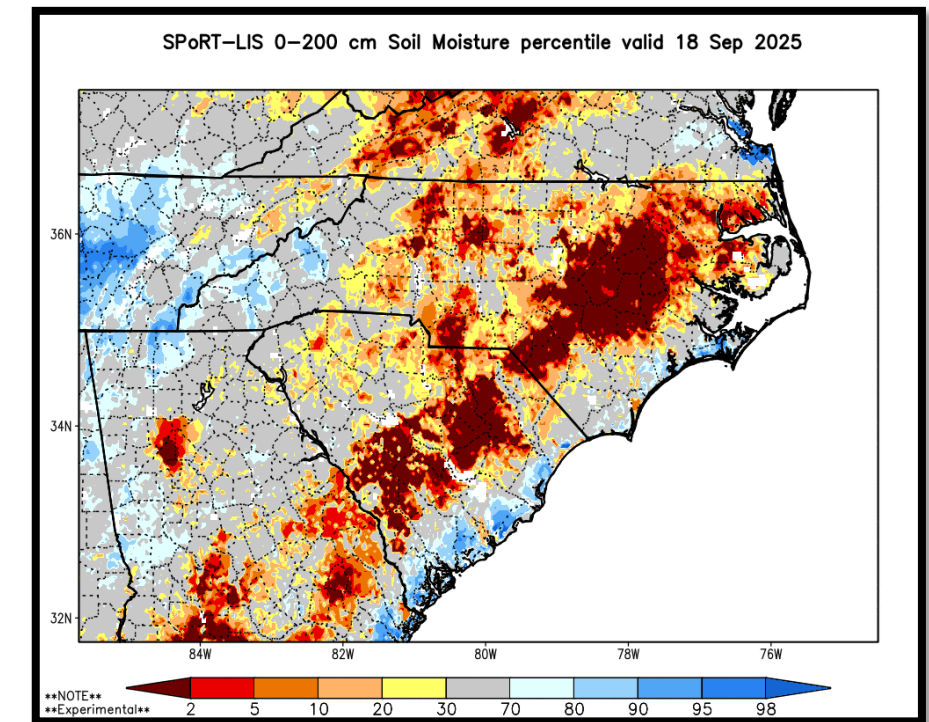
## 0-40cm Percentile



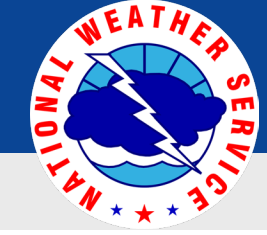
## 0-100cm Percentile



## 0-200cm Percentile







# NASA SPoRT-LIS Soil Moisture

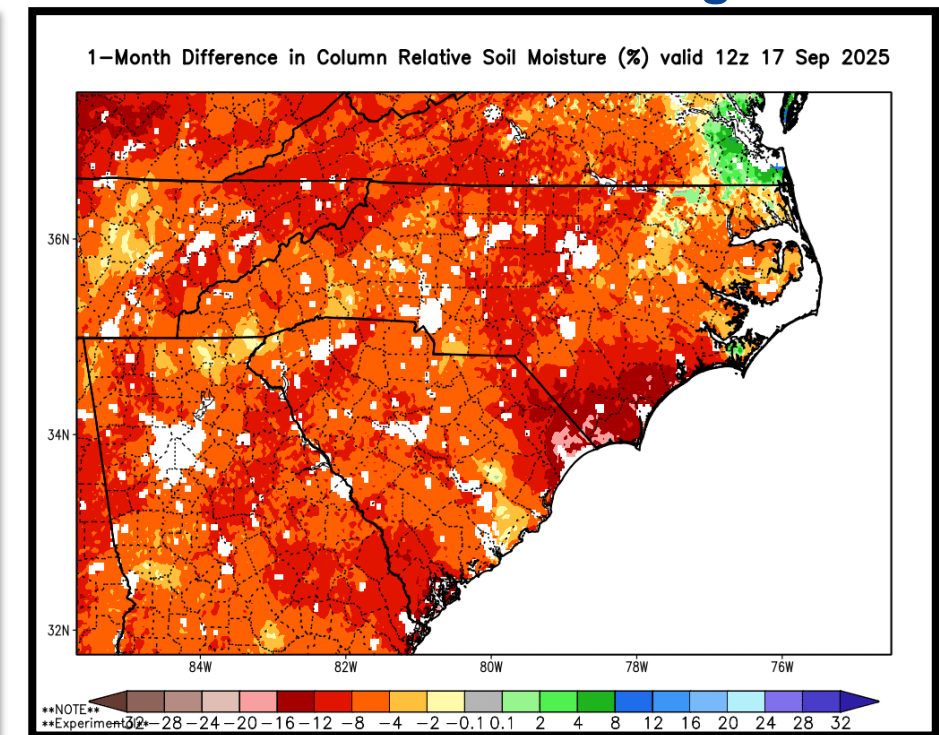
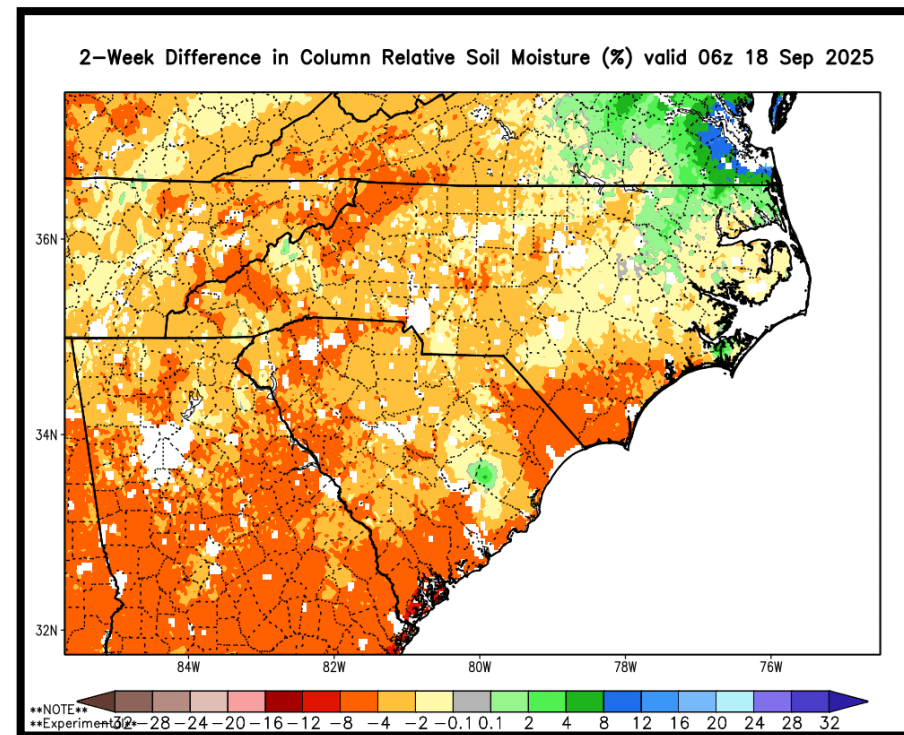
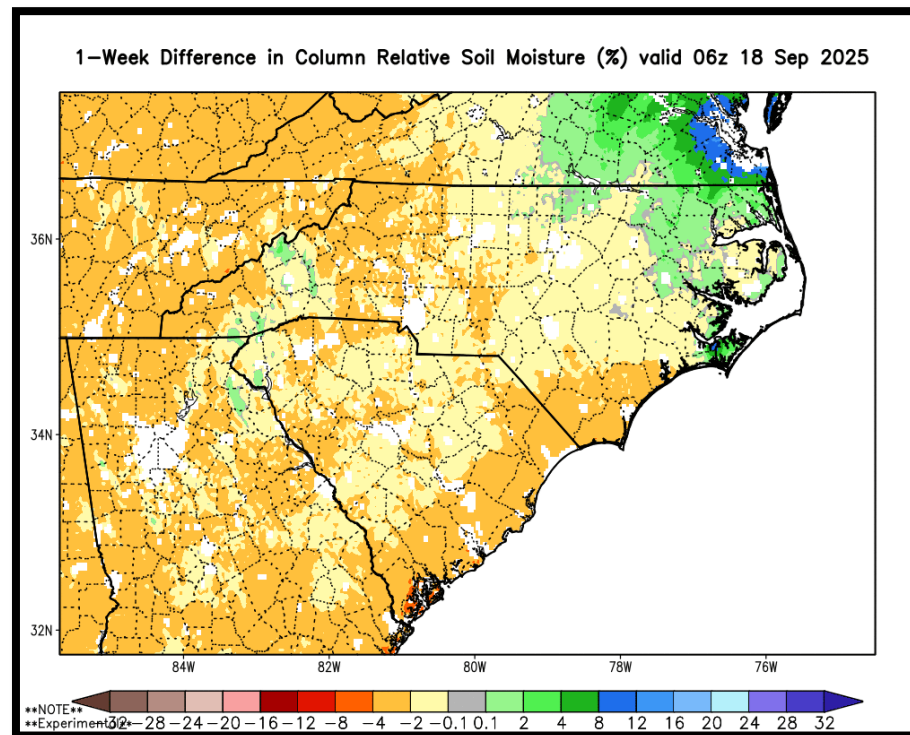
September 18, 2025  
8:01 AM EDT

Courtesy of NASA SPoRT

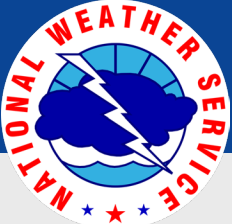
## One Week RSM Change

## Two Week RSM Change

## One Month RSM Change







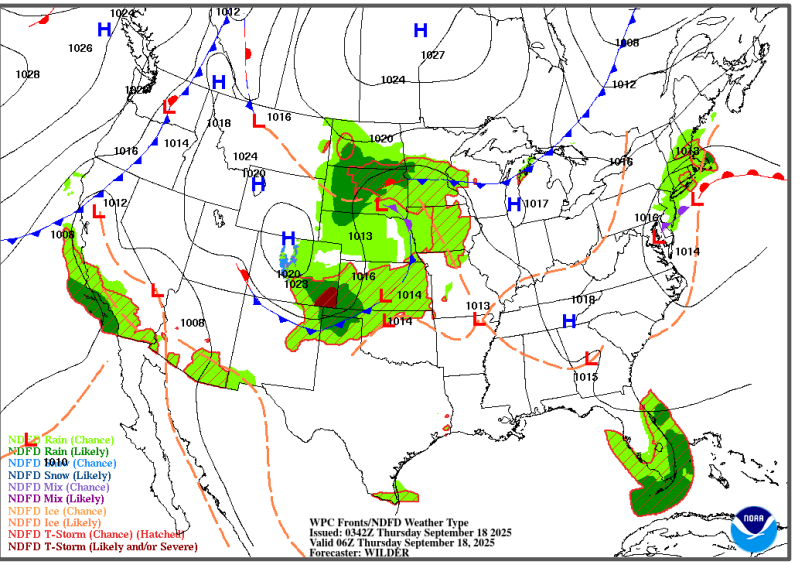
# Upcoming Weather Pattern

September 18, 2025  
8:01 AM EDT

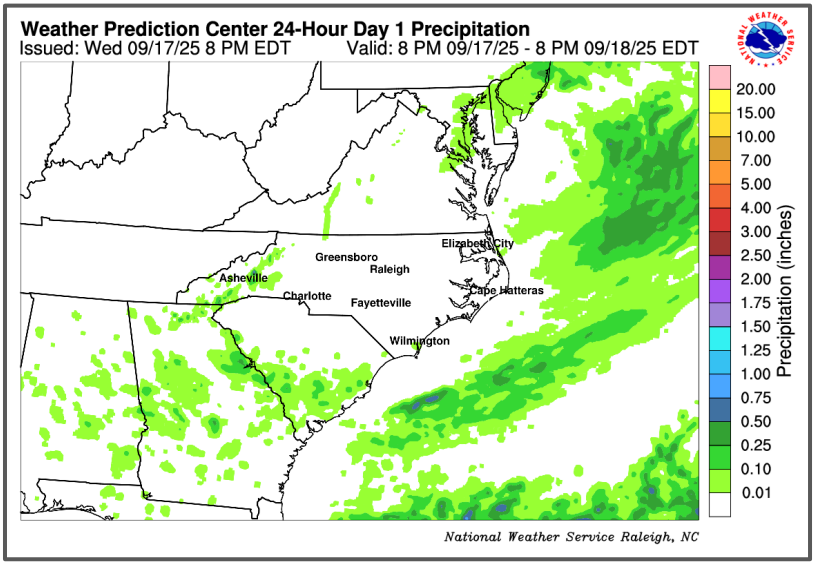
Courtesy of the Weather Prediction Center ([www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov))

Today

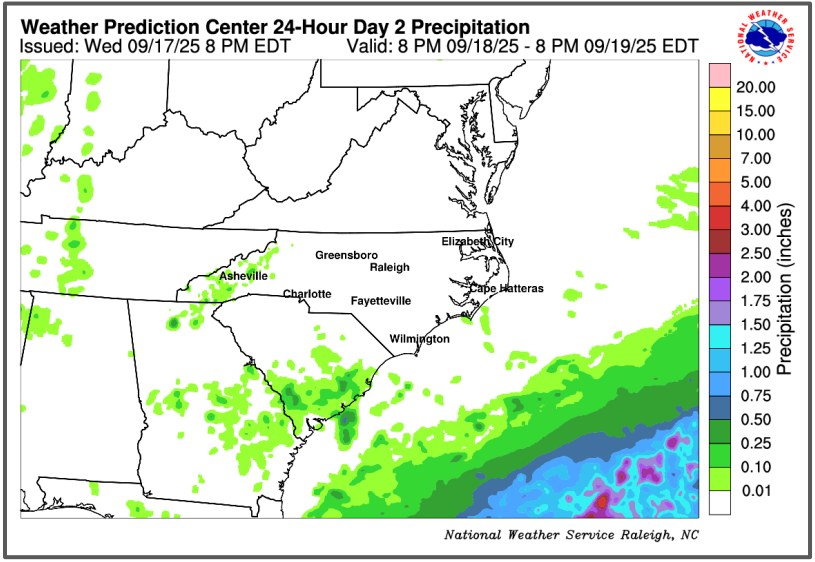
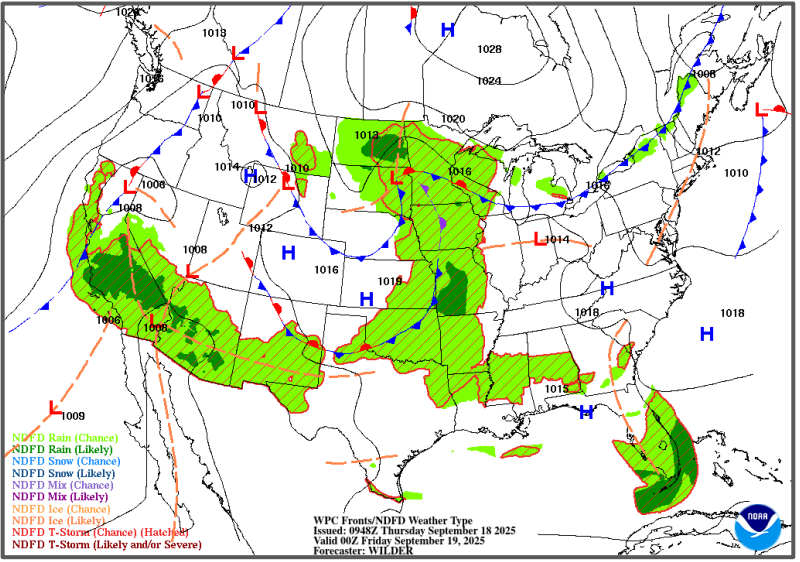
## Fronts and Weather

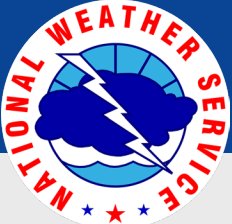


## 24 Hour Precipitation Forecasts



Friday



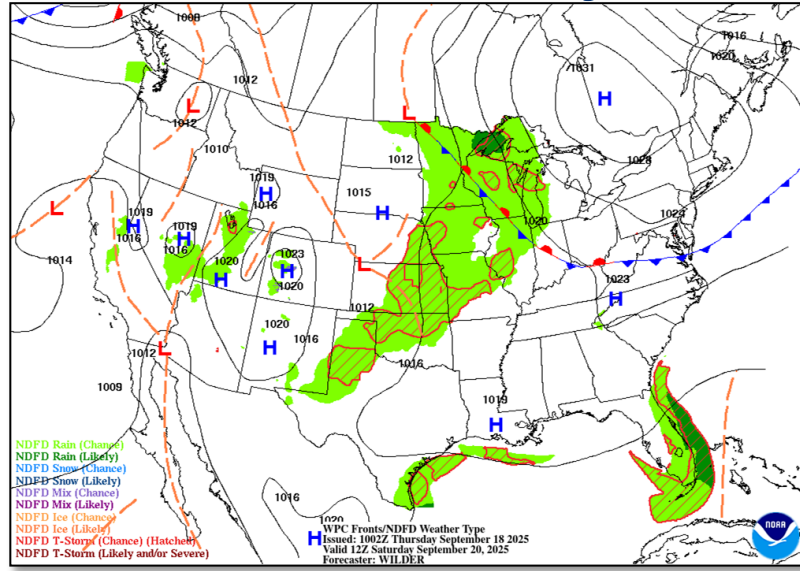


# Upcoming Weather Pattern

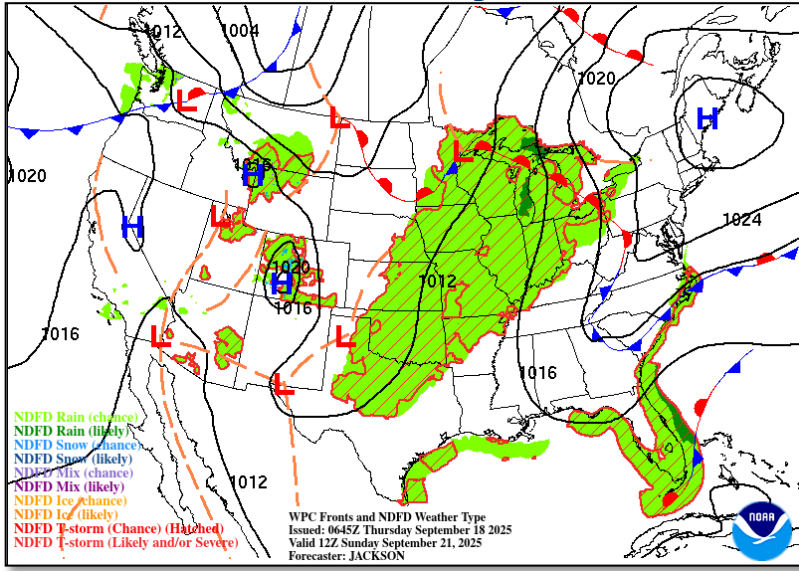
September 18, 2025  
8:01 AM EDT

Courtesy of the Weather Prediction Center ([www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov))

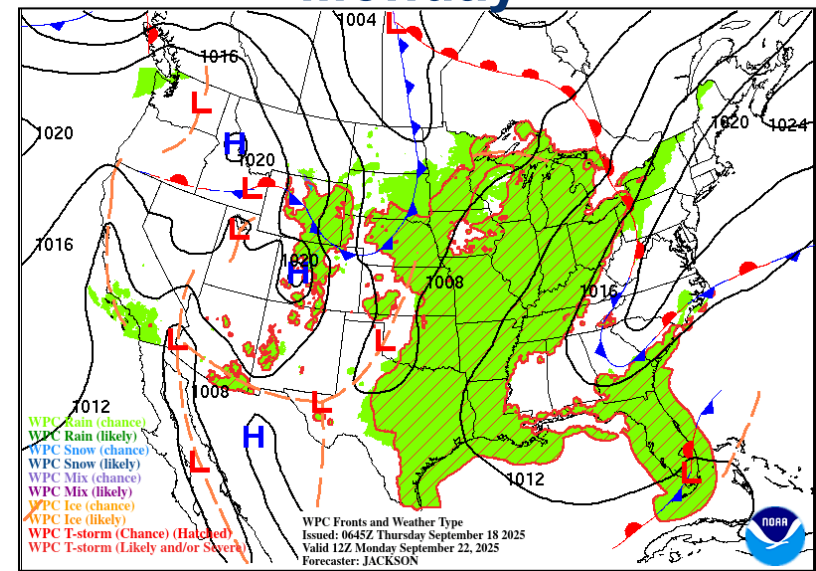
Saturday



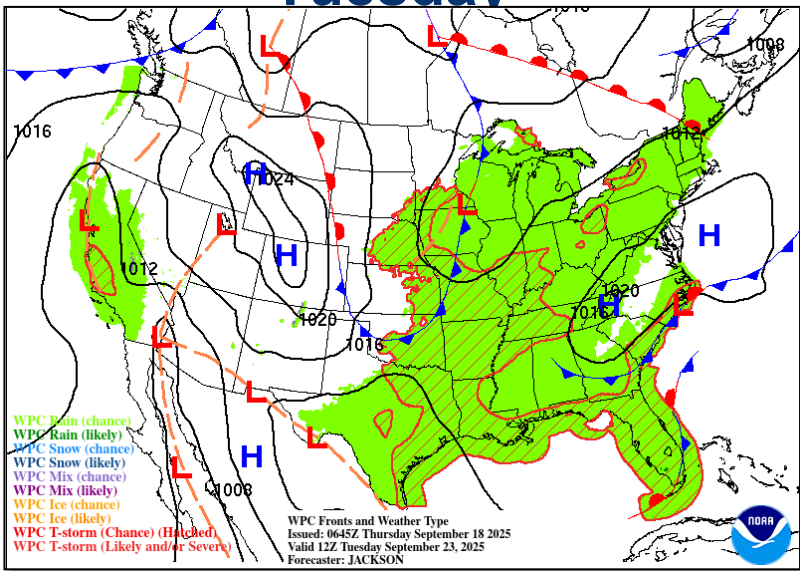
Sunday



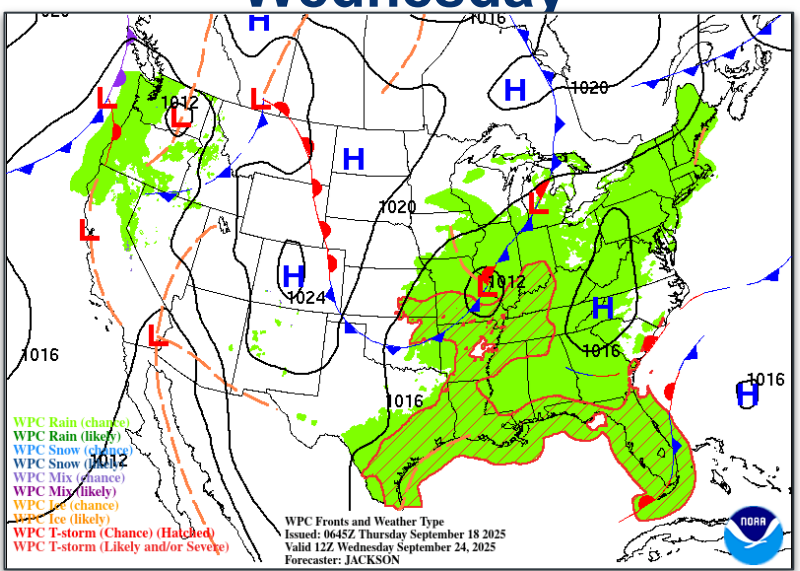
Monday



Tuesday



Wednesday

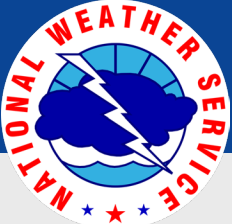


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National Weather Service  
Raleigh, NC



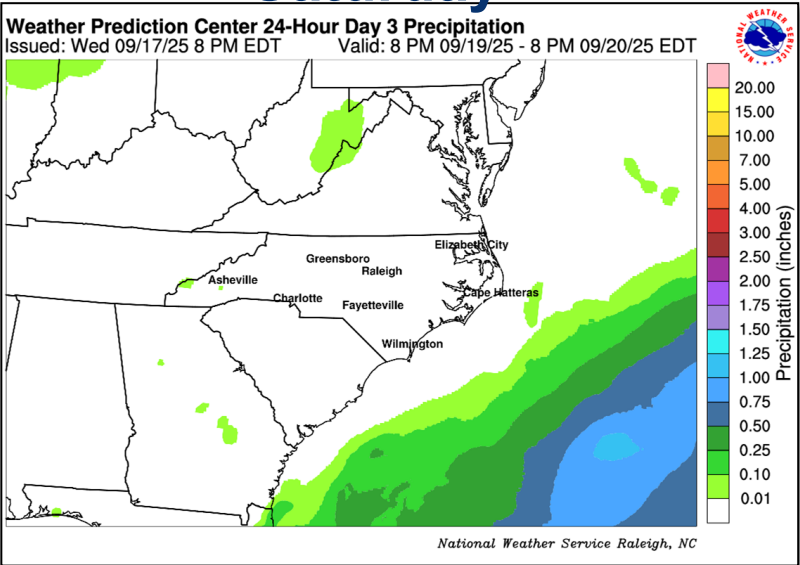


# Precipitation Forecasts

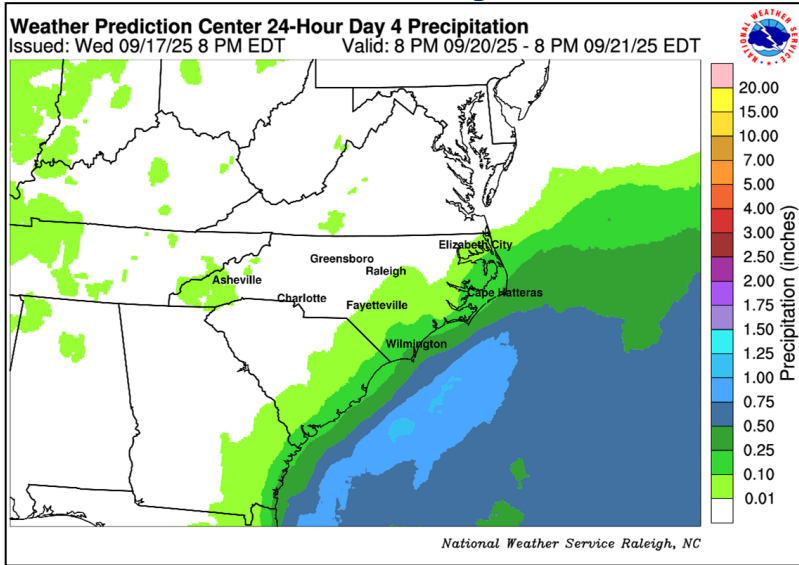
September 18, 2025  
8:01 AM EDT

Courtesy of the Weather Prediction Center ([www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov))

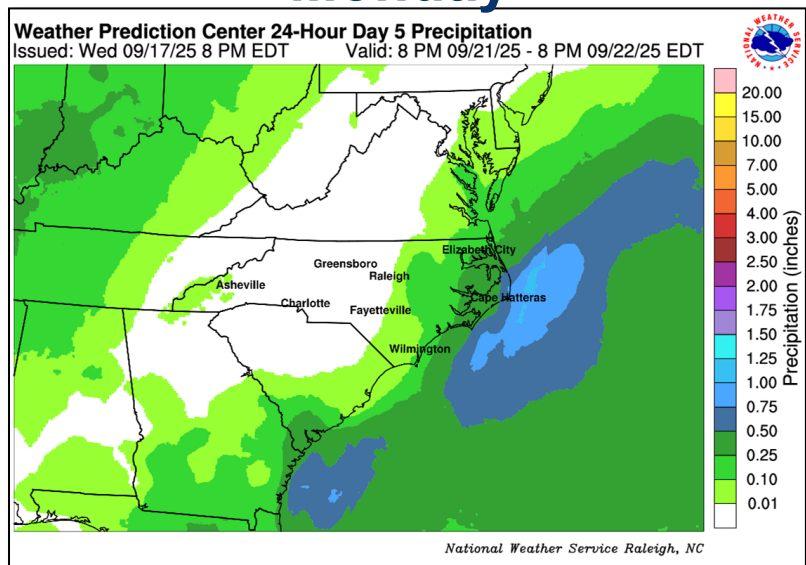
## Saturday



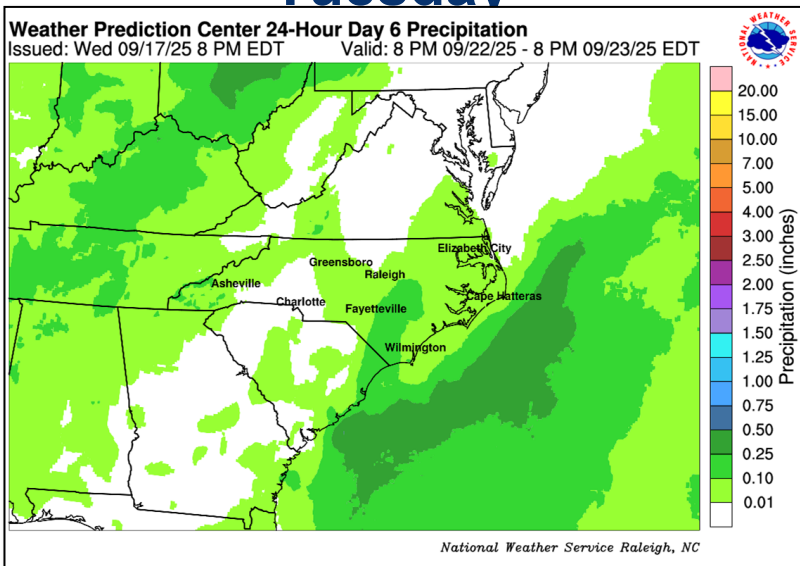
## Sunday



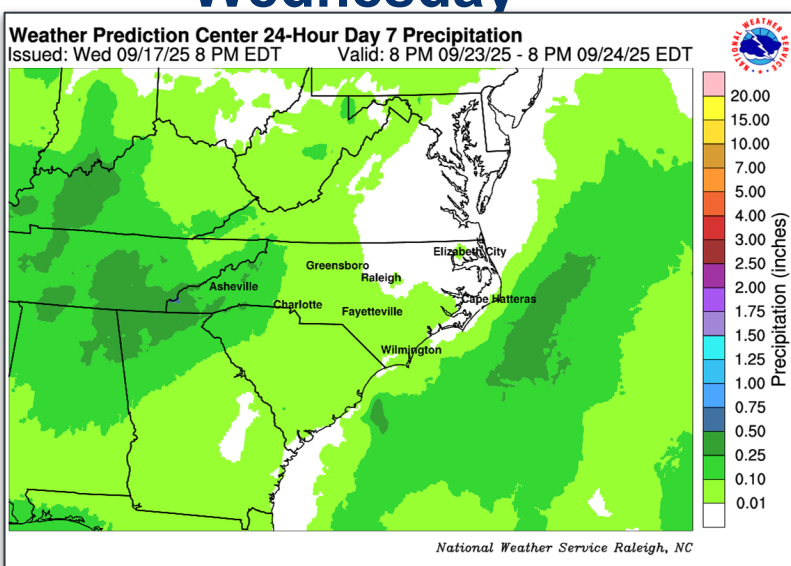
## Monday



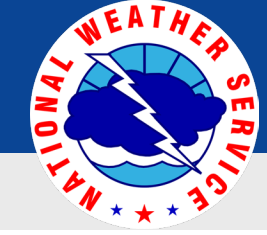
## Tuesday



## Wednesday



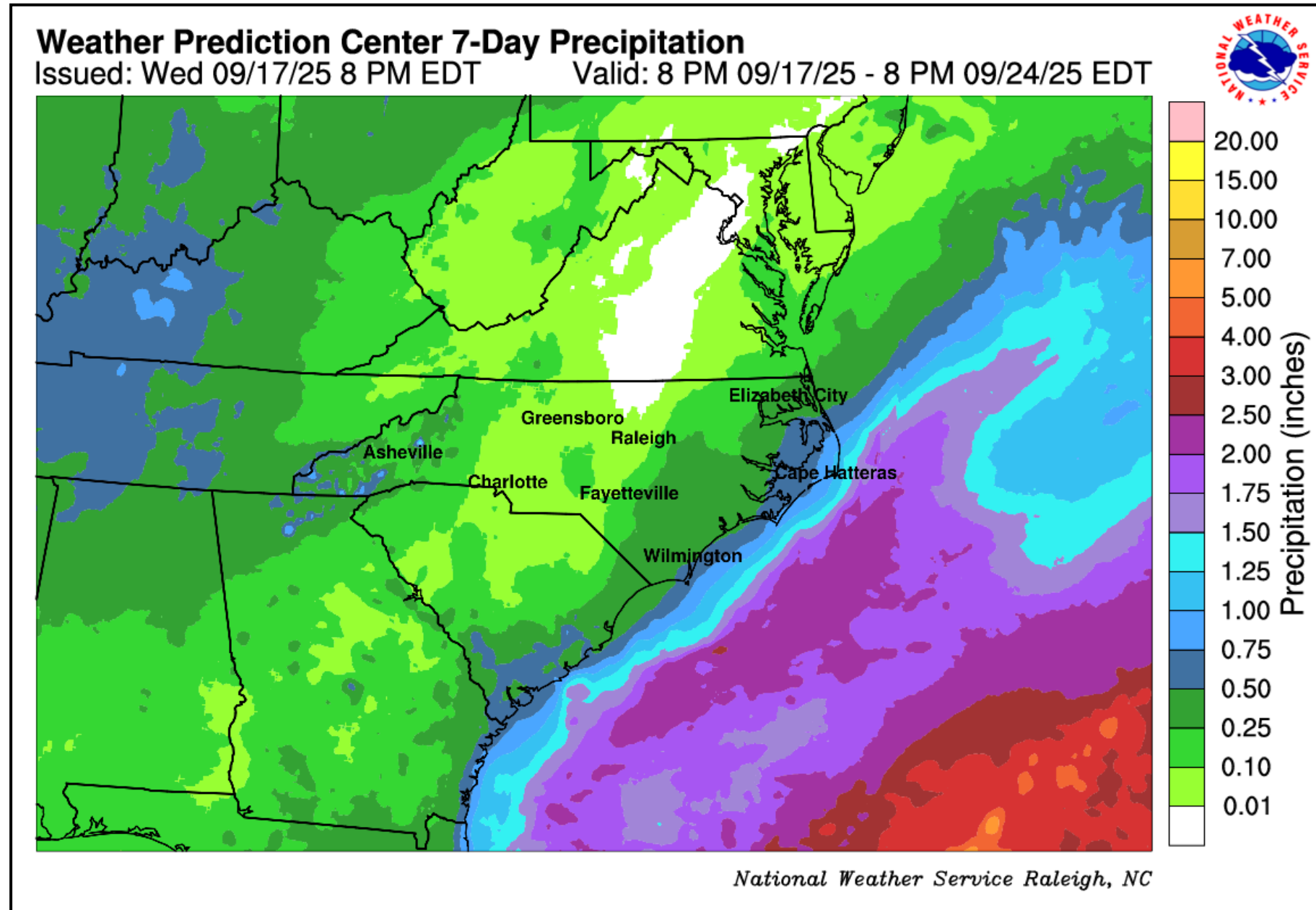


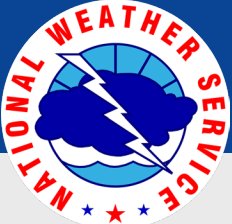


# Seven-Day Total Precipitation Forecast

September 18, 2025  
8:01 AM EDT

Courtesy of the Weather Prediction Center ([www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov))

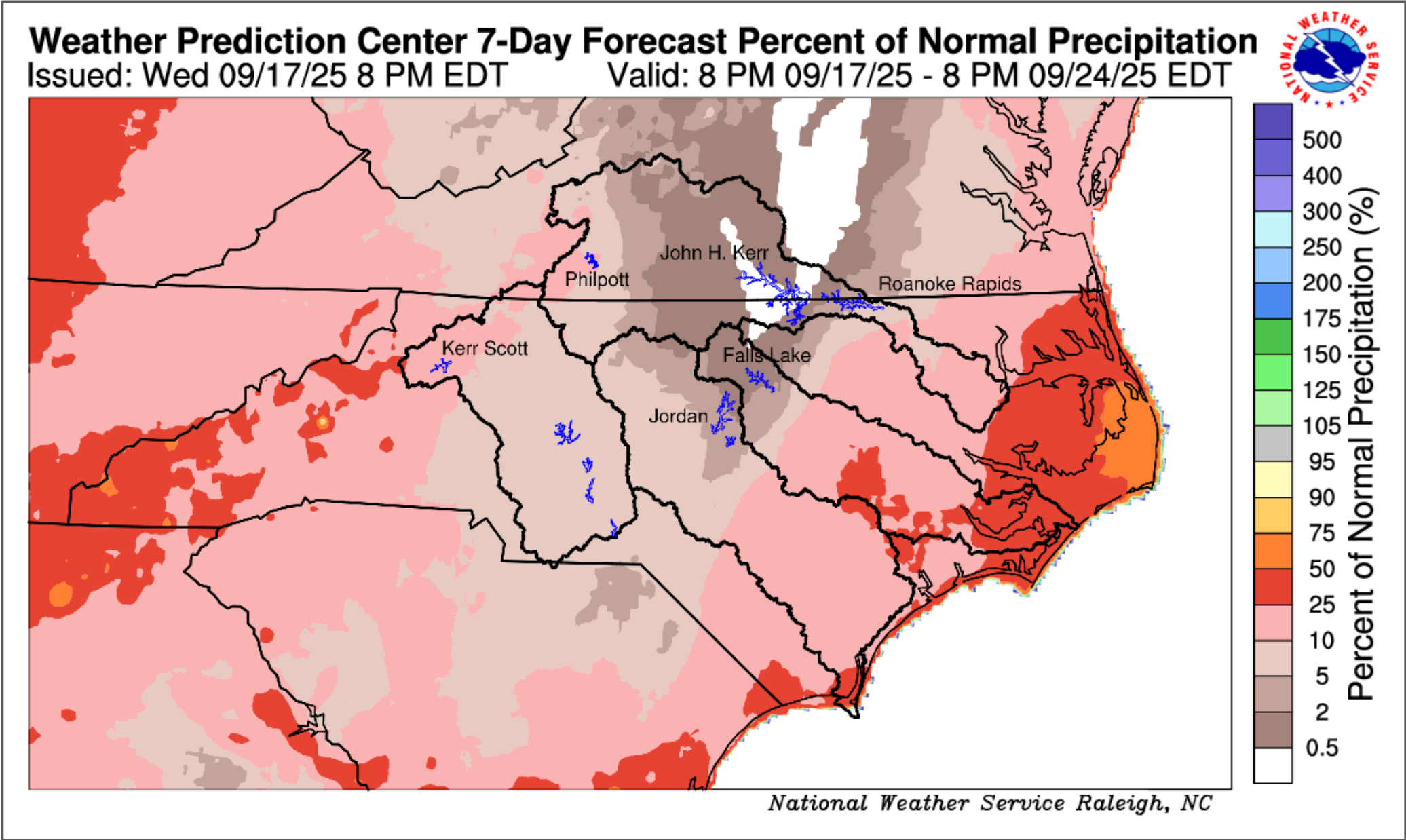


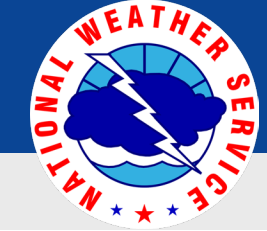


# Seven-Day Percent of Normal Precipitation Forecast

September 18, 2025  
8:01 AM EDT

Courtesy of the Weather Prediction Center ([www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov))

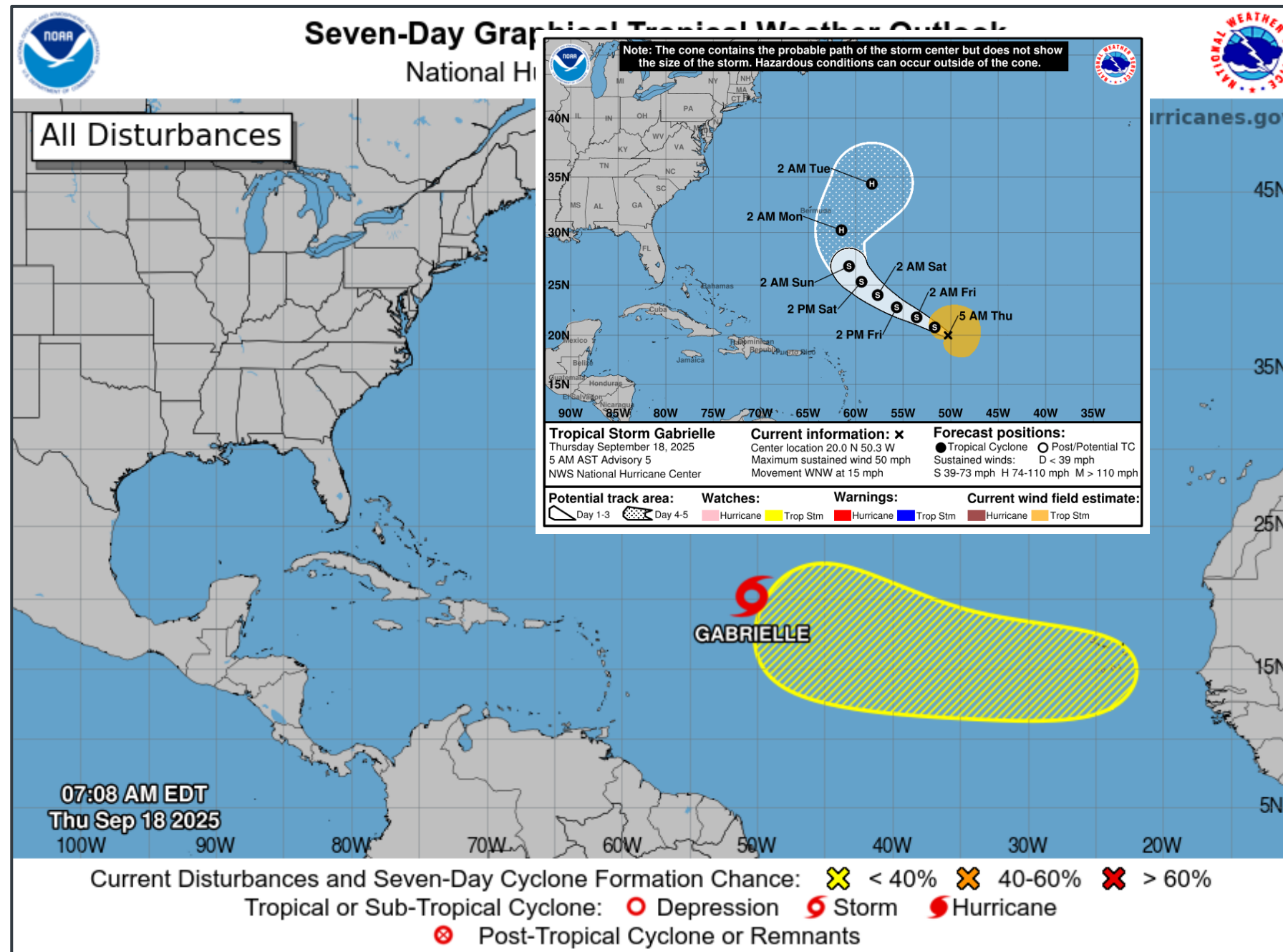




# Tropical Weather Outlook

<https://www.nhc.noaa.gov/>

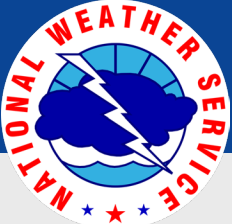
September 18, 2025  
8:01 AM EDT



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National Weather Service  
Raleigh, NC





# 2025 Atlantic Tropical Cyclone Names

As of September 18

~~Andrea~~  
~~Barry~~  
~~Chantal~~  
~~Dexter~~  
~~Erin~~  
~~Fernand~~  
~~Gabrielle~~

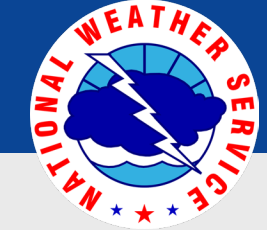
Humberto  
Imelda  
Jerry  
Karen  
Lorenzo  
Melissa  
Nestor

Olga  
Pablo  
Rebekah  
Sebastien  
Tanya  
Van  
Wendy

Be prepared: Visit [hurricanes.gov](https://hurricanes.gov) and follow NOAA's @NWS and @NHC\_Atlantic on X.

August 2025

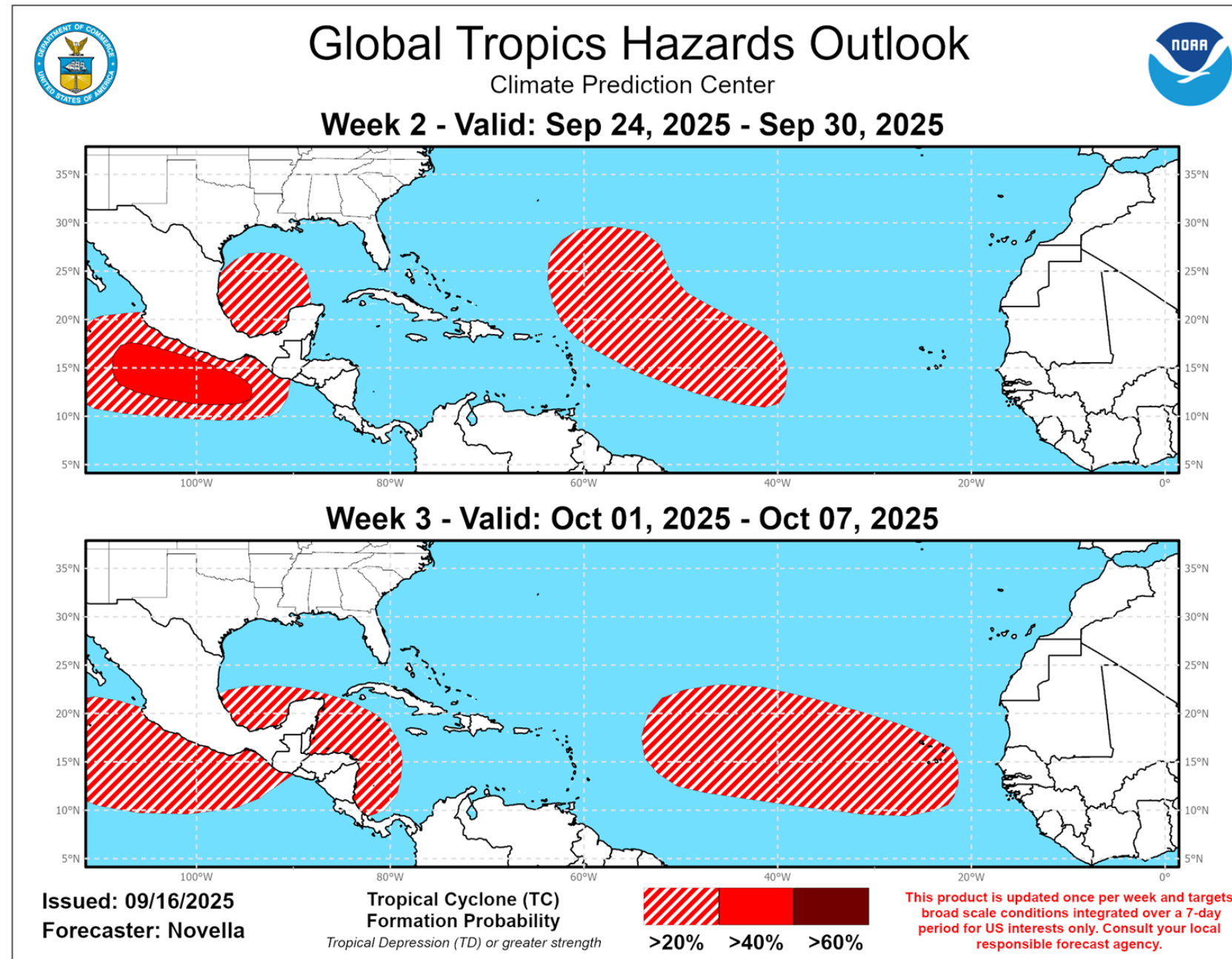




# Global Tropics Hazards Outlook

September 18, 2025  
8:01 AM EDT

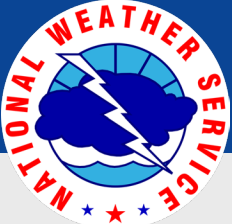
Courtesy of the Climate Prediction Center ([www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov))



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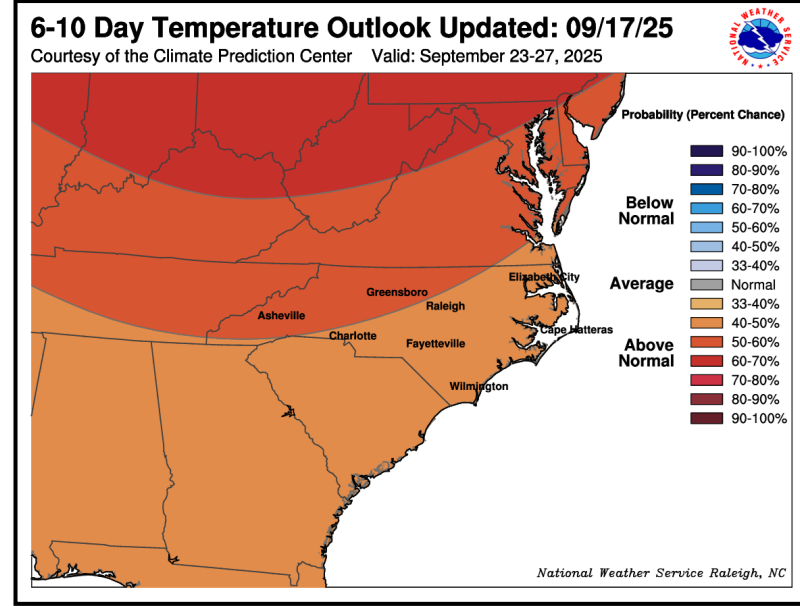
# Extended Outlooks

September 18, 2025  
8:01 AM EDT

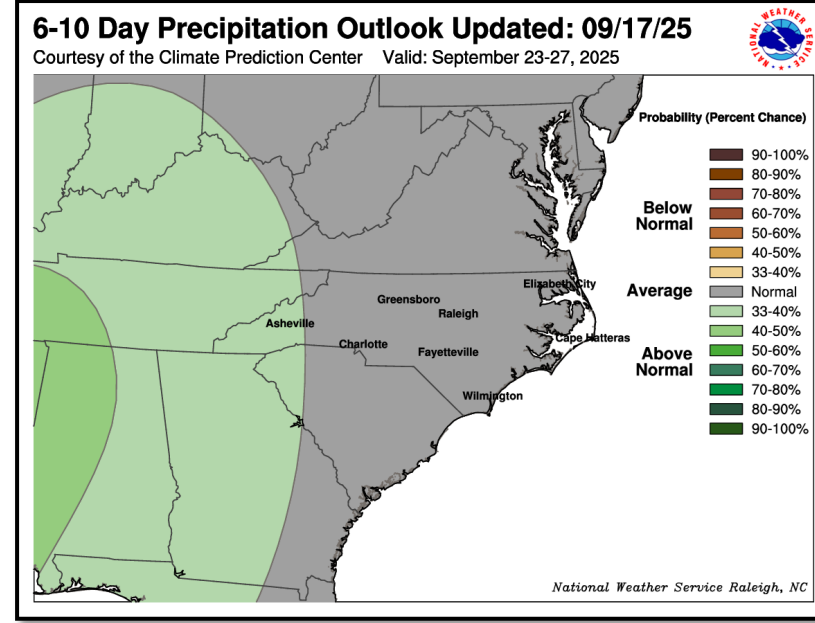
Courtesy of the Climate Prediction Center ([www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov))

6-10 Day

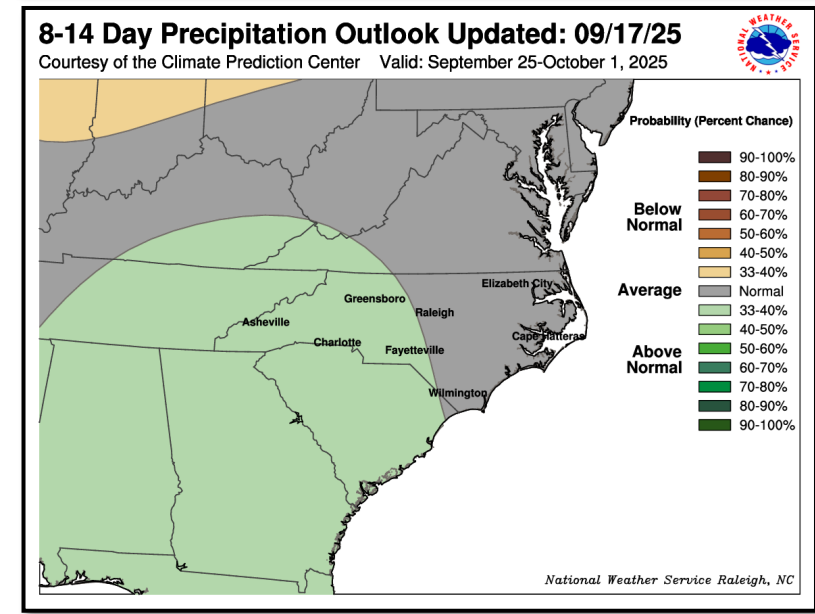
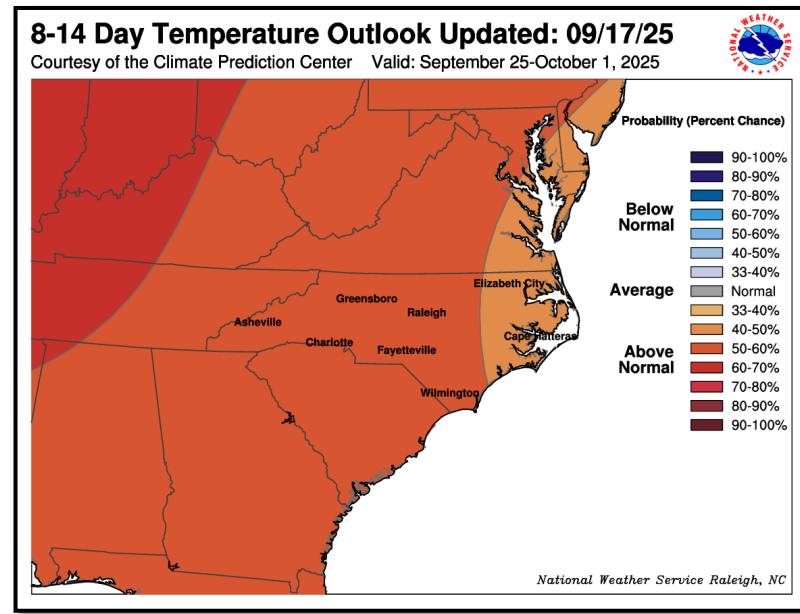
## Temperature



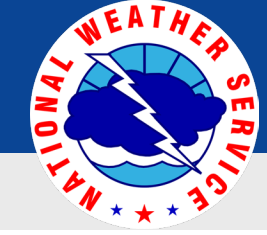
## Precipitation



8-14 Day





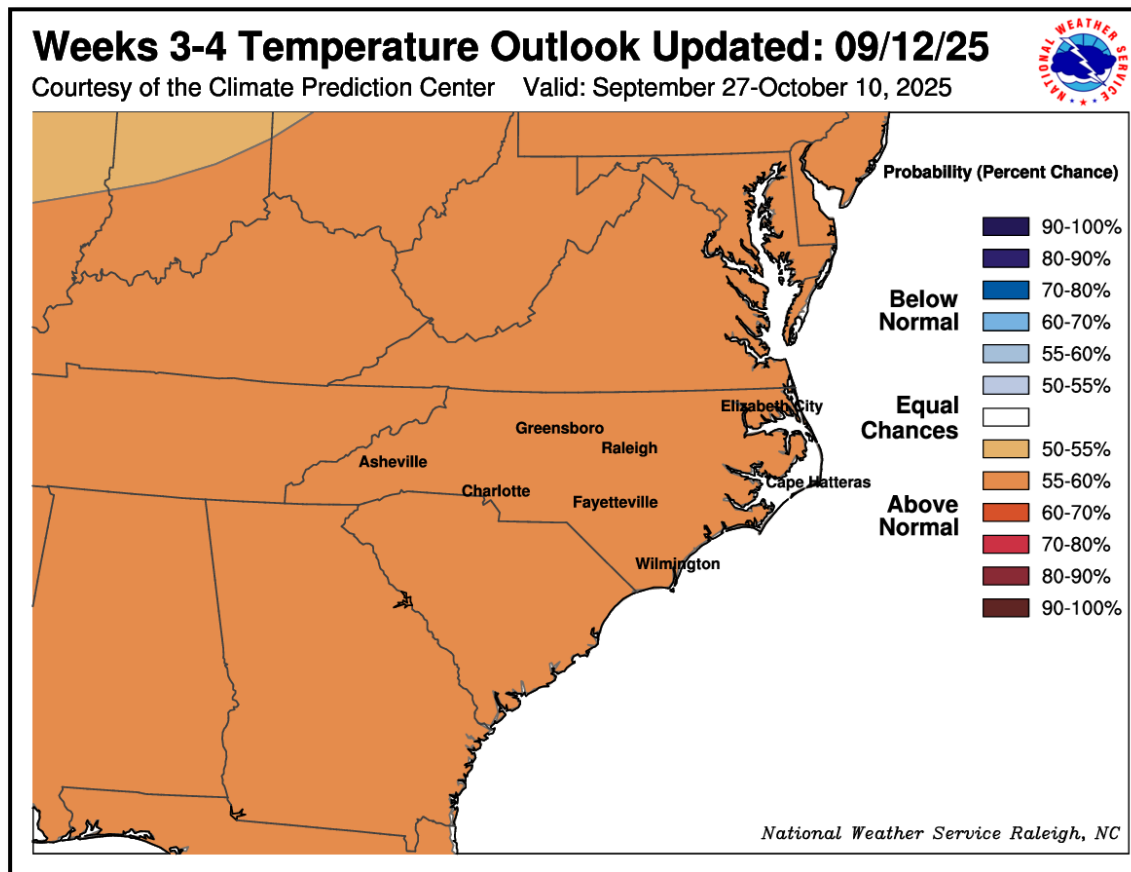


# Extended (3-4 Week) Outlooks

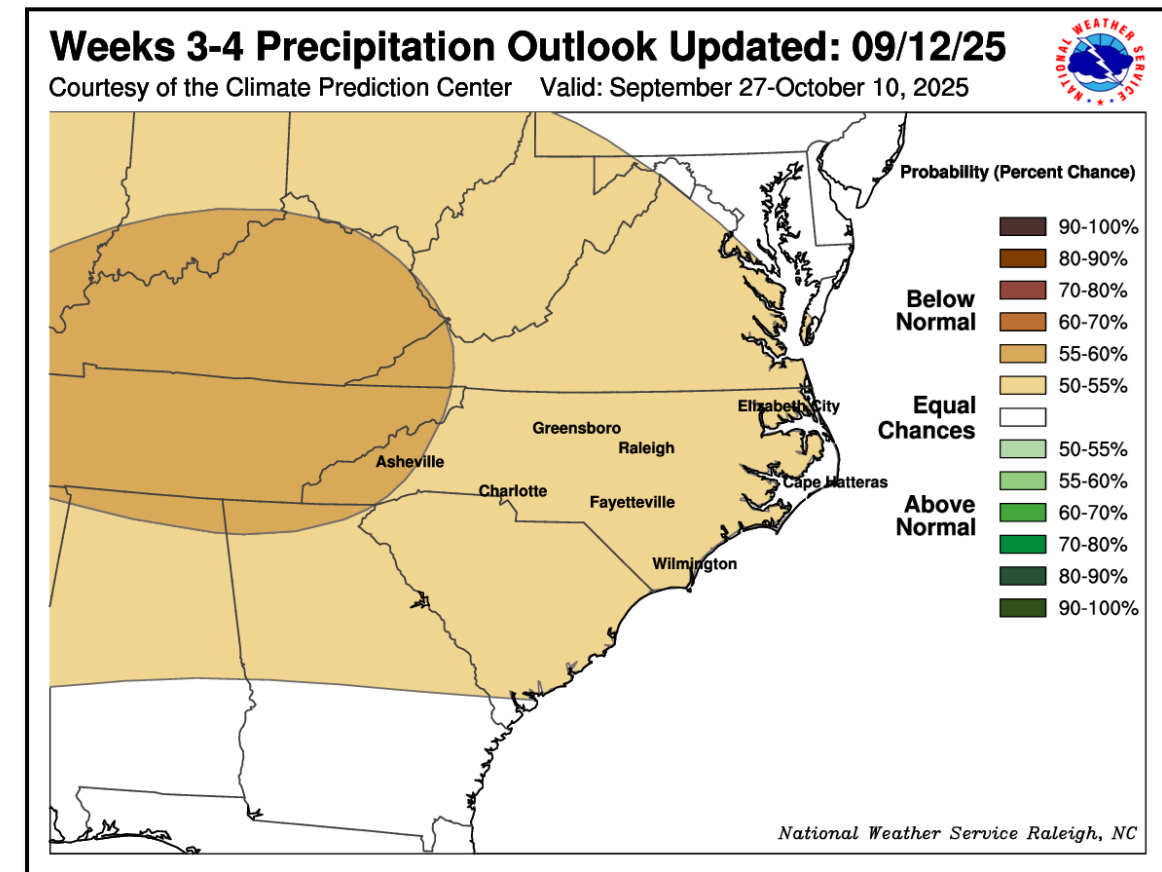
September 18, 2025  
8:01 AM EDT

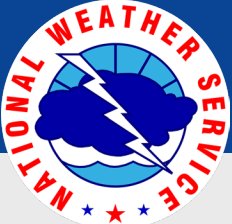
Courtesy of the Climate Prediction Center ([www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov))

## Temperature



## Precipitation





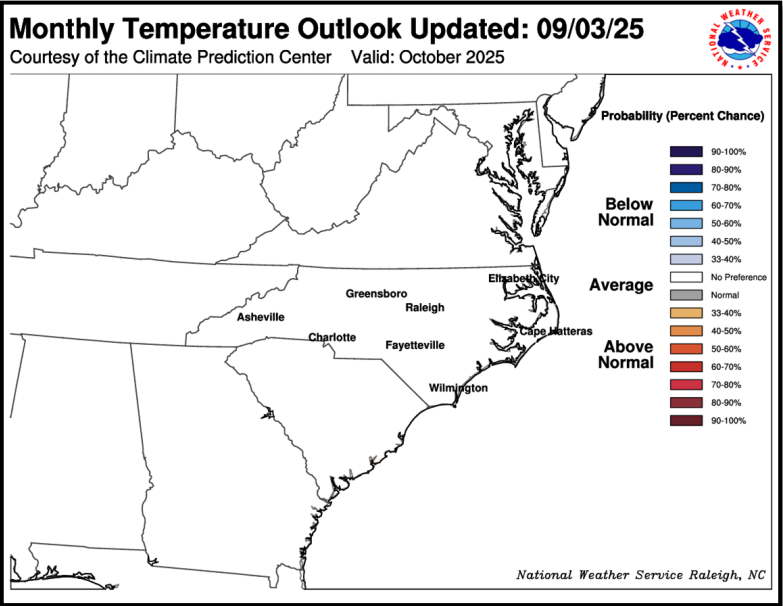
# Seasonal Outlooks

September 18, 2025  
8:01 AM EDT

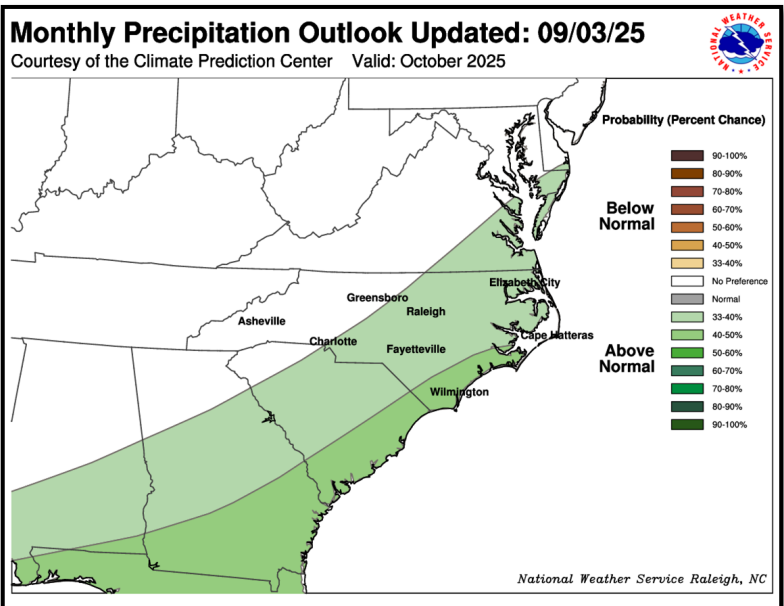
Courtesy of the Climate Prediction Center ([www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov))

One Month

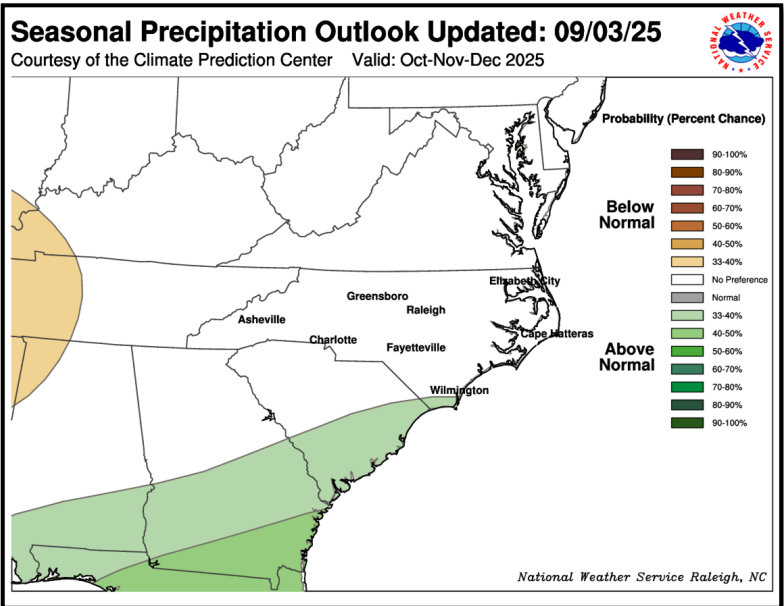
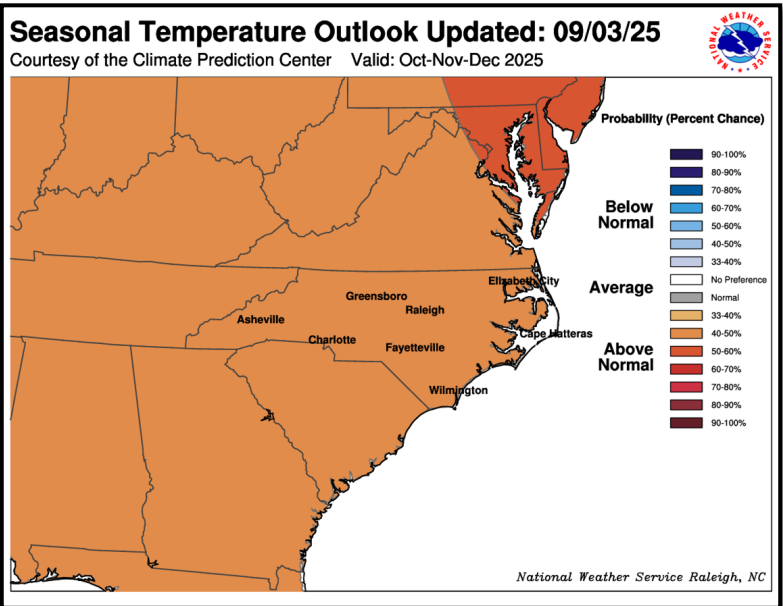
## Temperature

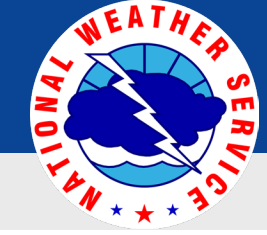


## Precipitation



Three Months

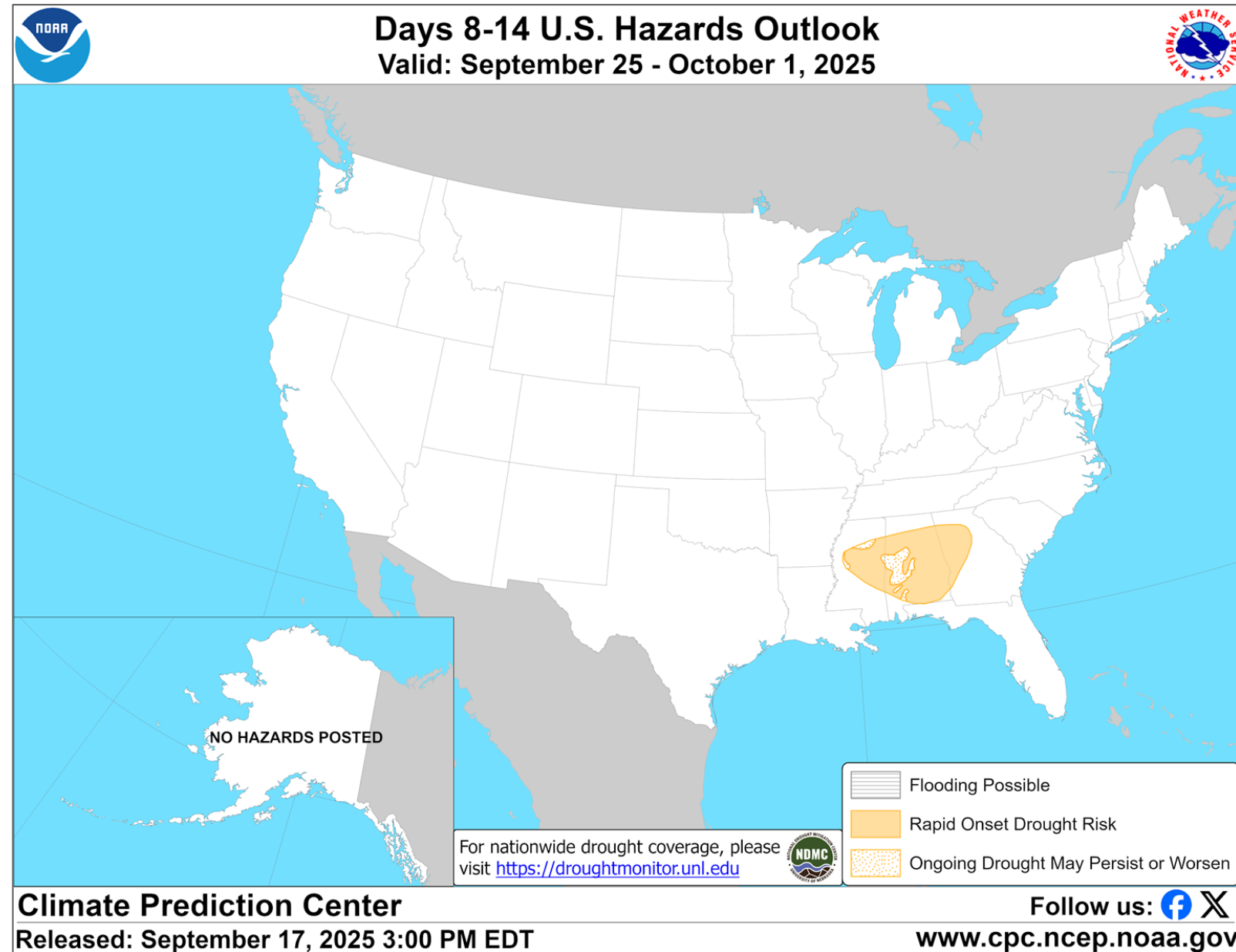




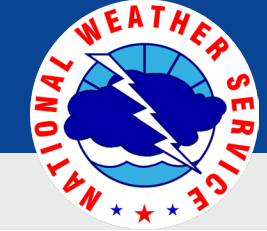
# Day 8-14 Hazards Outlook

September 18, 2025  
8:01 AM EDT

Courtesy of the Climate Prediction Center ([www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov))







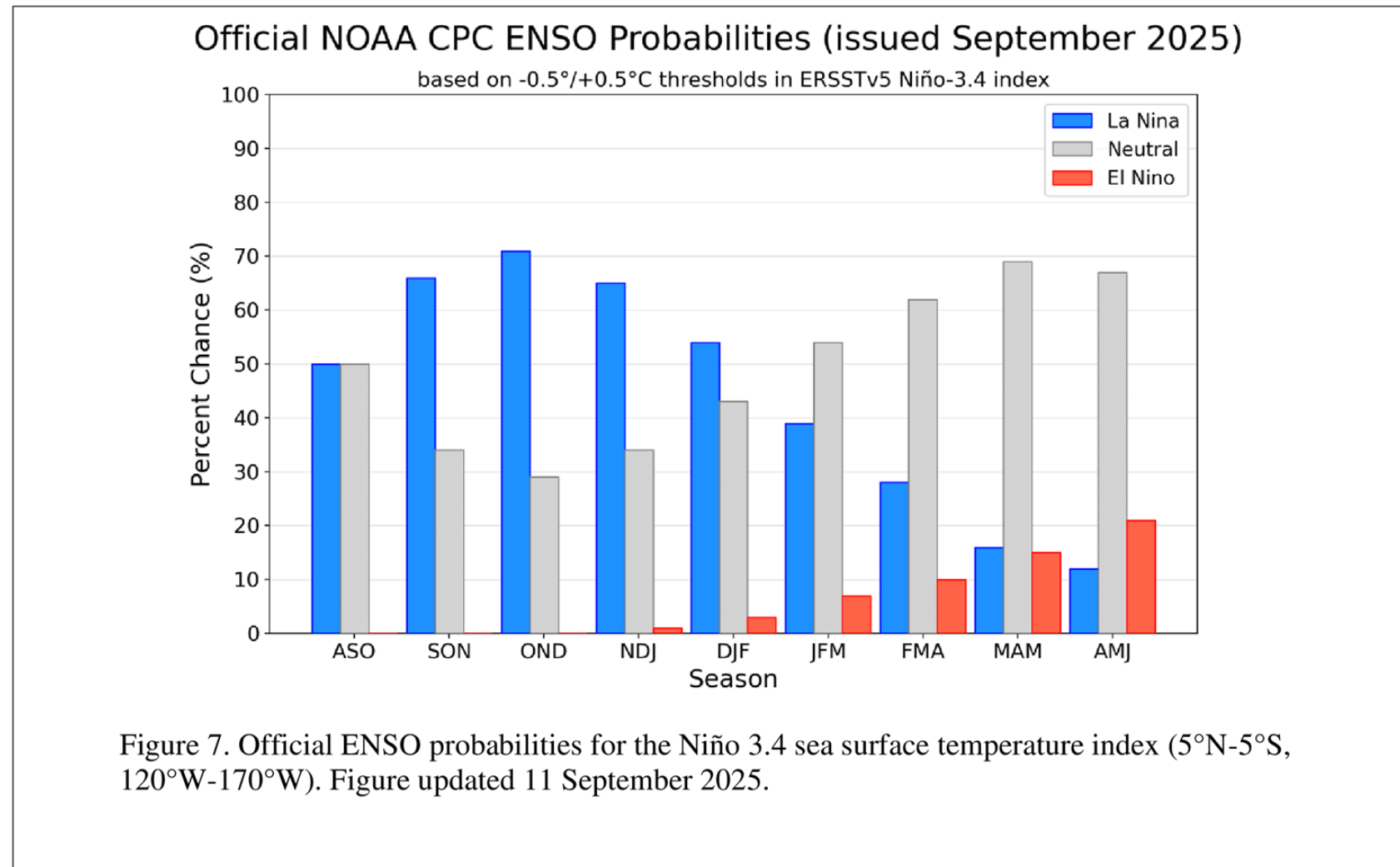
# ENSO Forecast

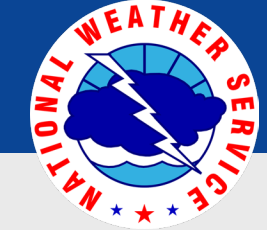
September 18, 2025  
8:01 AM EDT

Courtesy of the Climate Prediction Center ([www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov))

## ENSO Alert System Status: **La Niña Watch**

**Synopsis:** A transition to ENSO-neutral likely in the next couple of months, with a 71% chance of La Niña during October - December 2025. Thereafter, La Niña is favored but chances decrease to 54% in December 2025 - February 2026.

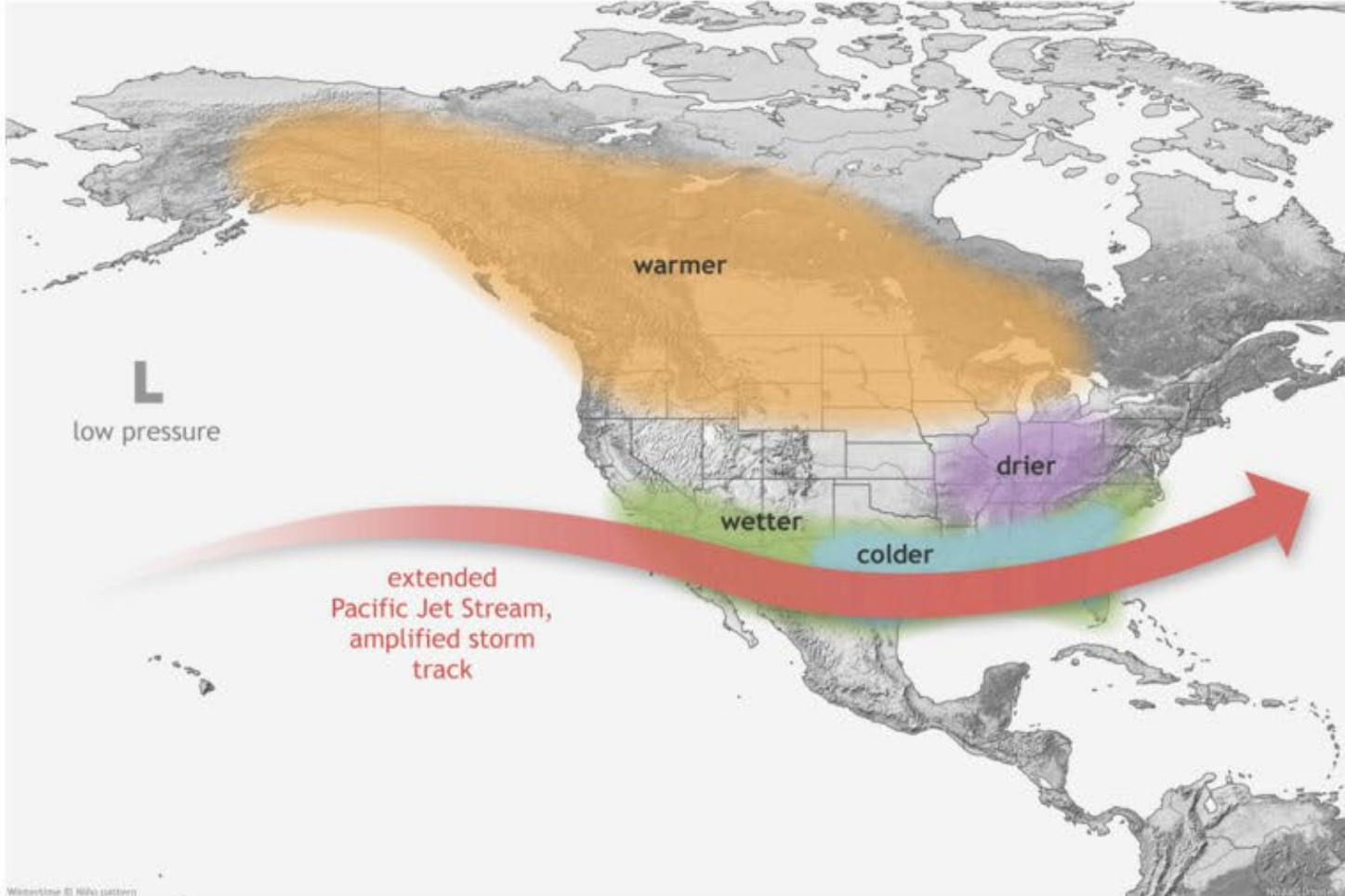




# ENSO Winter Impacts

September 18, 2025  
8:01 AM EDT

TYPICAL EL NIÑO WINTERS



TYPICAL LA NIÑA WINTERS

