

**IMPACTS FOR D7 (through next day)**

**Winds – None**

**Storm Surge – None**

**Rainfall/Flash Flooding – High**

**Tornadoes – None**

**Waves - Low**

# TROPICAL DEPRESSION DEBBY BRIEFING



6:00 PM EDT  
Thursday, August 8, 2024

Prepared by:

**Chris Landsea**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)

# Changes since Last Briefing

Tropical Depression Debby



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

- Debby was downgraded to a Tropical Depression
- Tropical Storm Warnings have all been dropped
- The Flooding Rain danger in South Carolina has reduced from Extreme to High
- The Tornado threat for South Carolina is now minimal

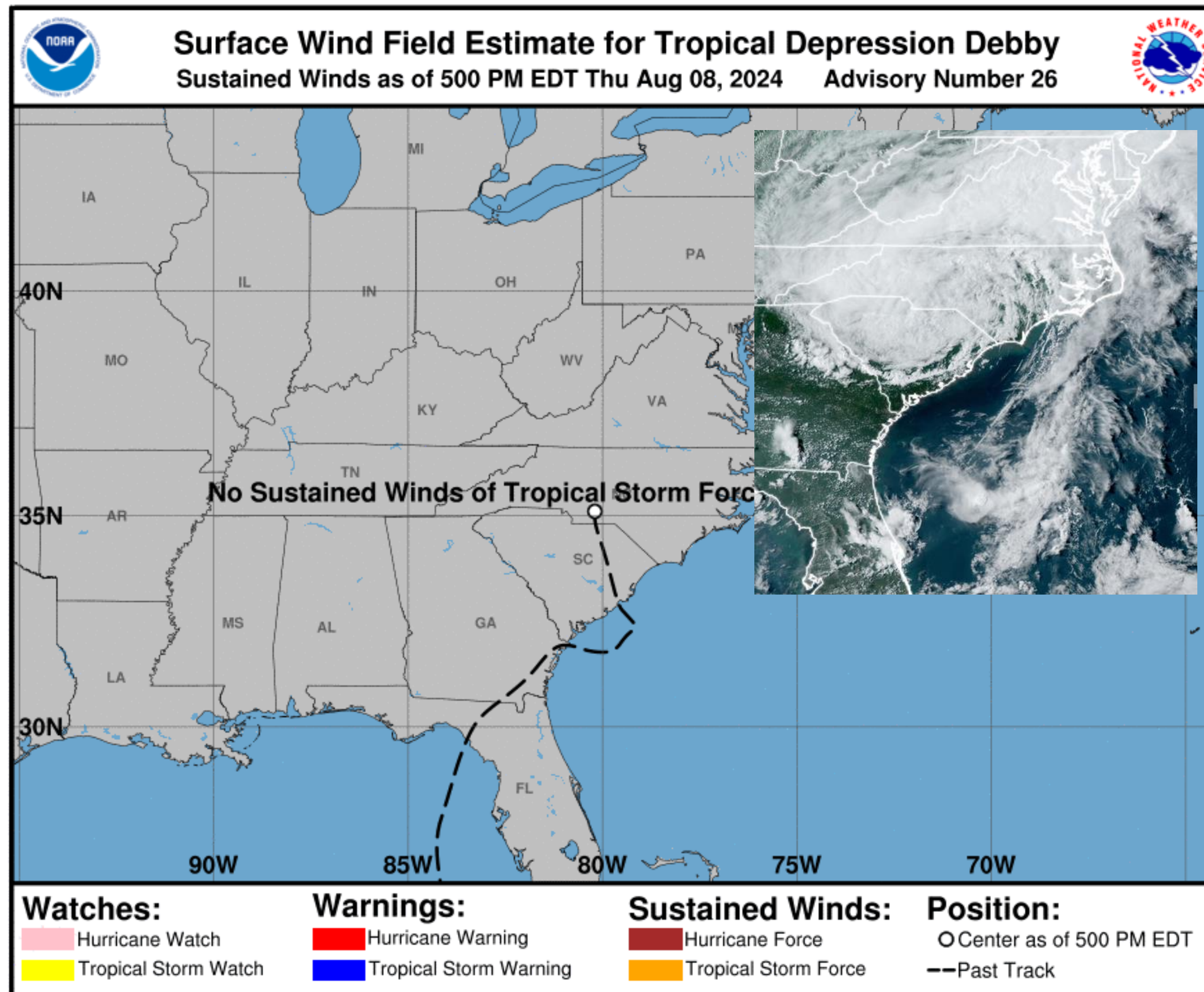


# Situation Overview

## Tropical Depression Debby



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**...MAJOR FLOOD THREAT CONTINUES  
FOR PORTIONS OF THE CAROLINAS  
AND WESTERN VIRGINIA...  
...FUTURE ADVISORIES WILL BE  
ISSUED BY THE WEATHER  
PREDICTION CENTER...**

### SUMMARY OF 500 PM EDT INFORMATION

-----  
LOCATION...35.1N 80.2W  
ABOUT 40 NM E OF CHARLOTTE NC  
MAXIMUM SUSTAINED WINDS...30 KT  
PRESENT MOVEMENT...NNW AT 9 KT  
PEAK SEAS 15 FT

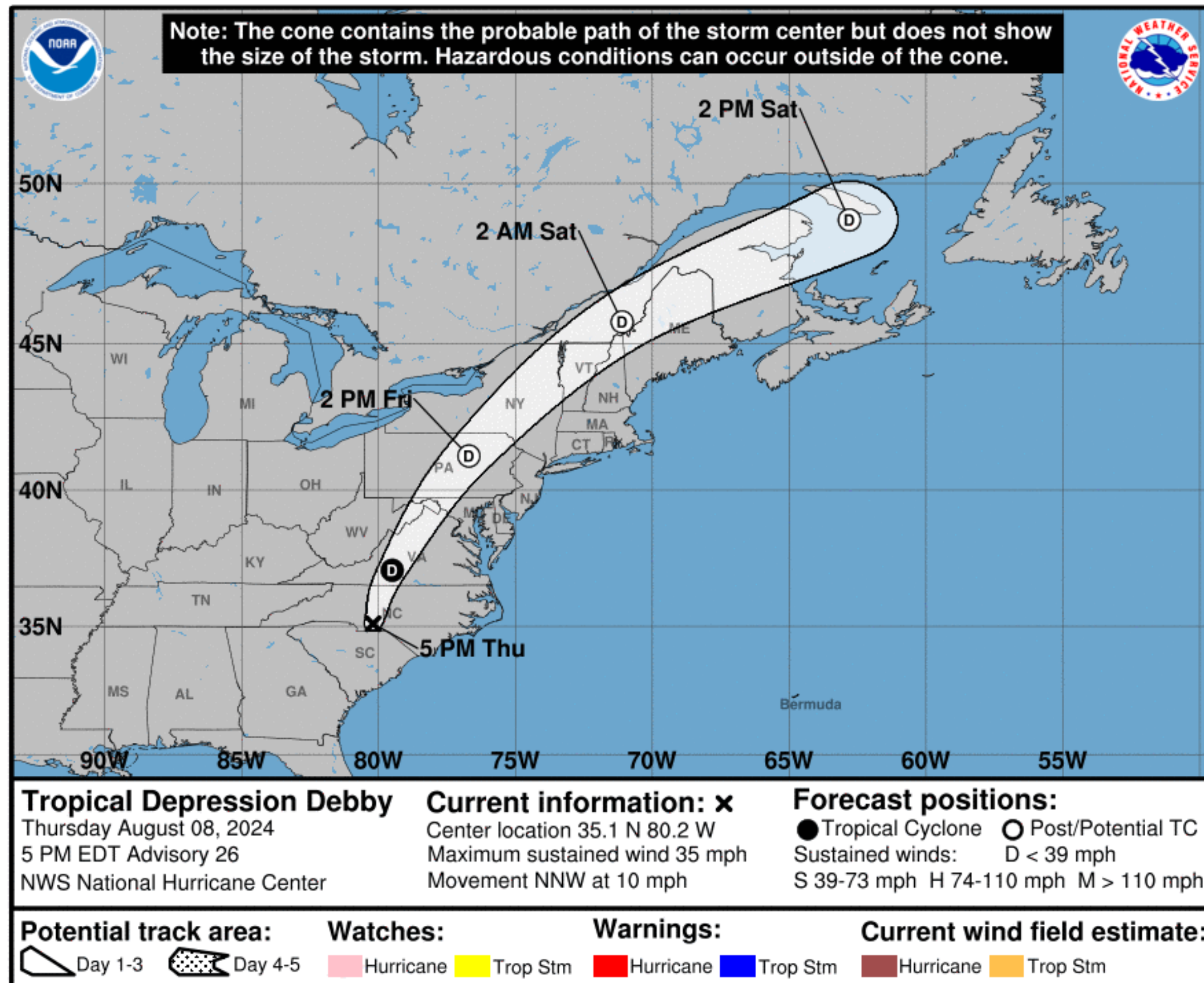


# Forecast Information

## Tropical Depression Debby



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

- Debby beginning to accelerate northward, moving out of the Carolinas tonight
  - System expected to become an extratropical cyclone by tomorrow with winds below gale force
  - Current center forecast positions through the next 2 days illustrated by dots
  - White swath of potential track error added to each side of the forecast track through day 2
- \*\* Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

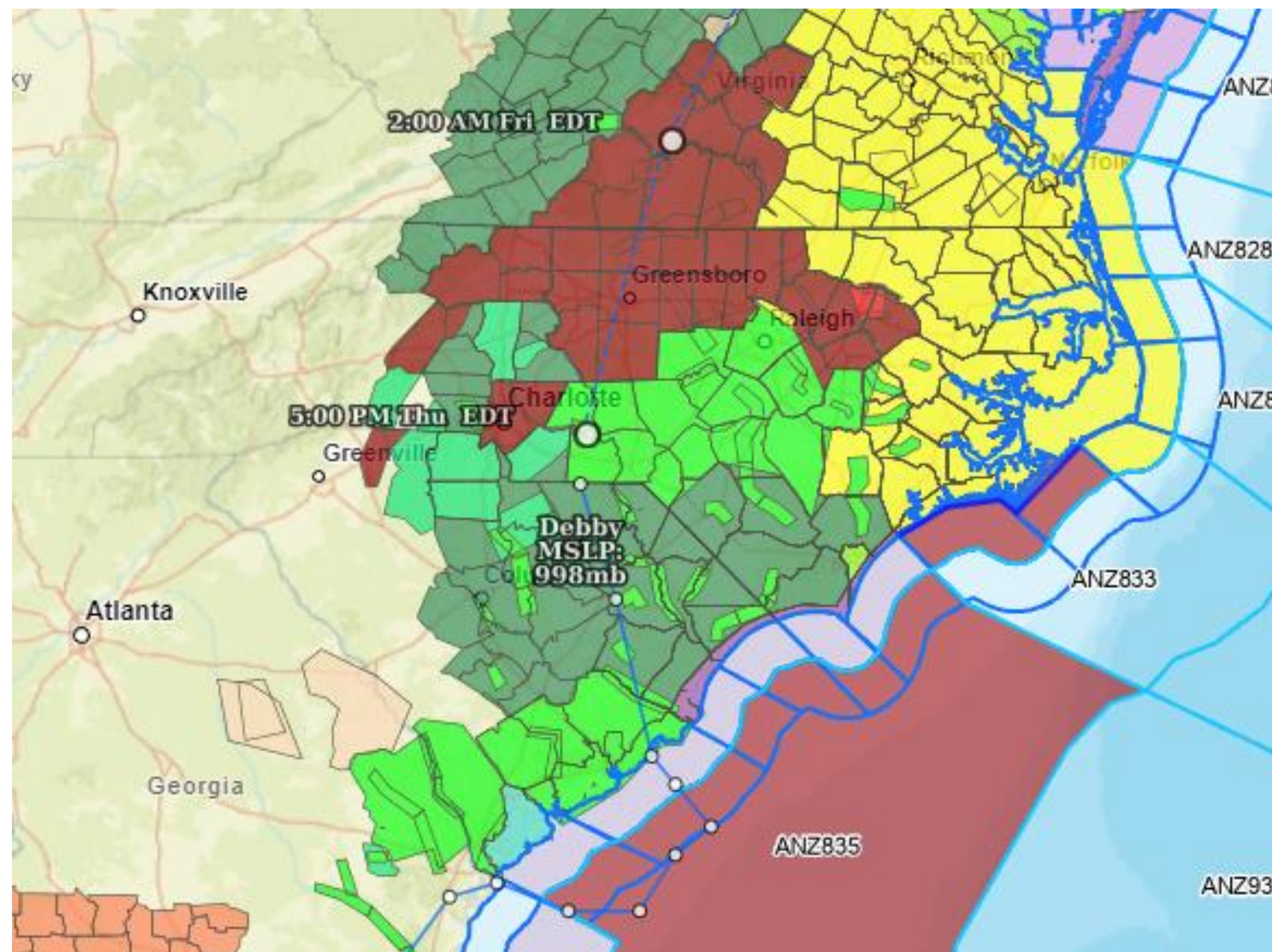


# Hazards Map

Tropical Depression Debby



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**Multiple areas in South Carolina and Georgia still under a Flood Watch (dark green) and a Flood Warning (light green)**

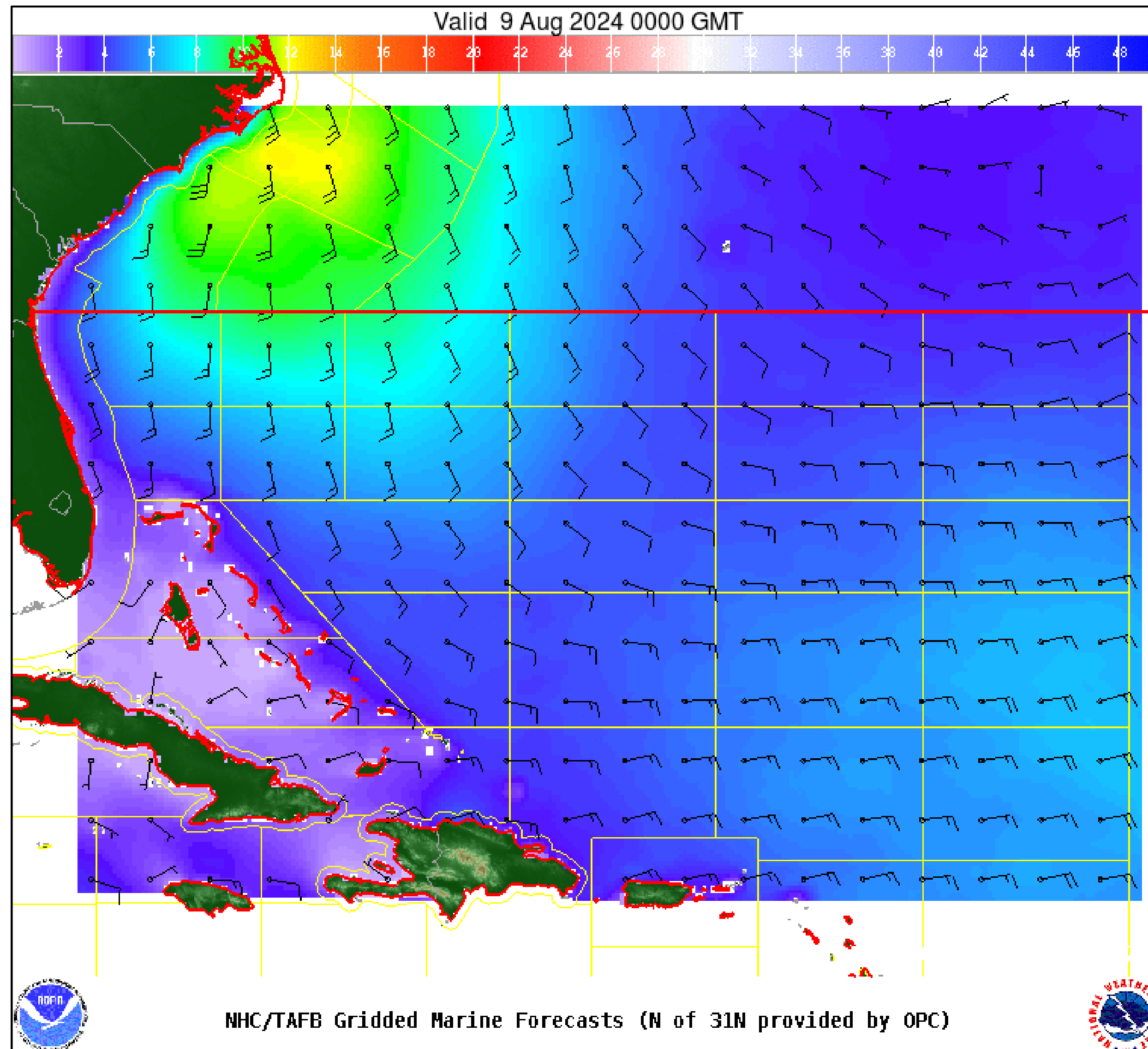


# Wind And Waves

## Tropical Depression Debby



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Current Conditions

8pm EDT, Thursday, August 8th

Peak Winds: 25 kt (in D7's waters)

Peak Seas: 10 ft (in D7's waters)

- Wave heights are in feet



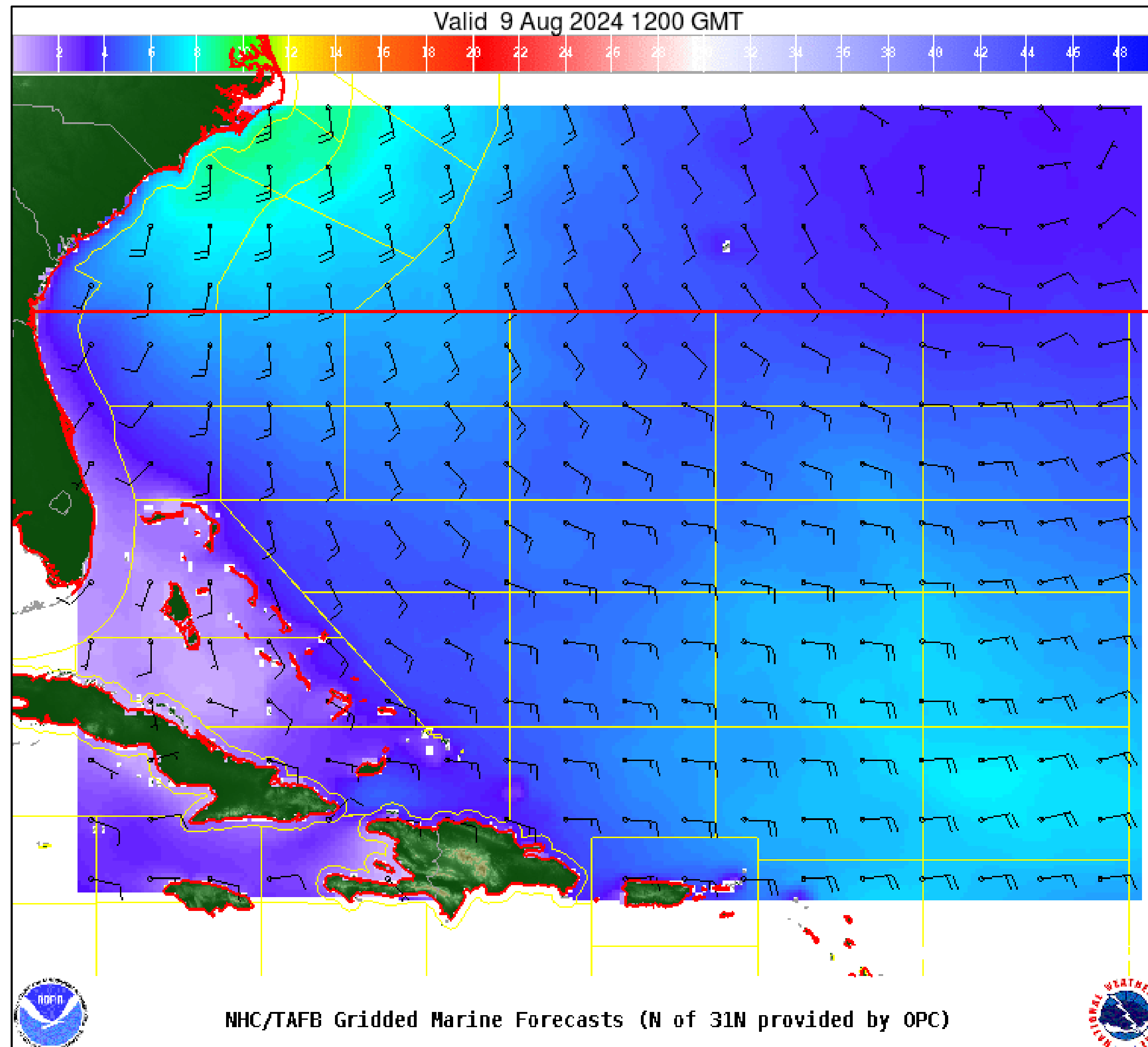
Significant Wave Height (ft)

# Wind And Waves

## Tropical Depression Debby



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 12 Hour Forecast

8am EDT, Friday, August 9th

Peak Winds: 20 kt (in D7's waters)

Peak Seas: 8 ft (in D7's waters)

- Wave heights are in feet



Significant Wave Height (ft)



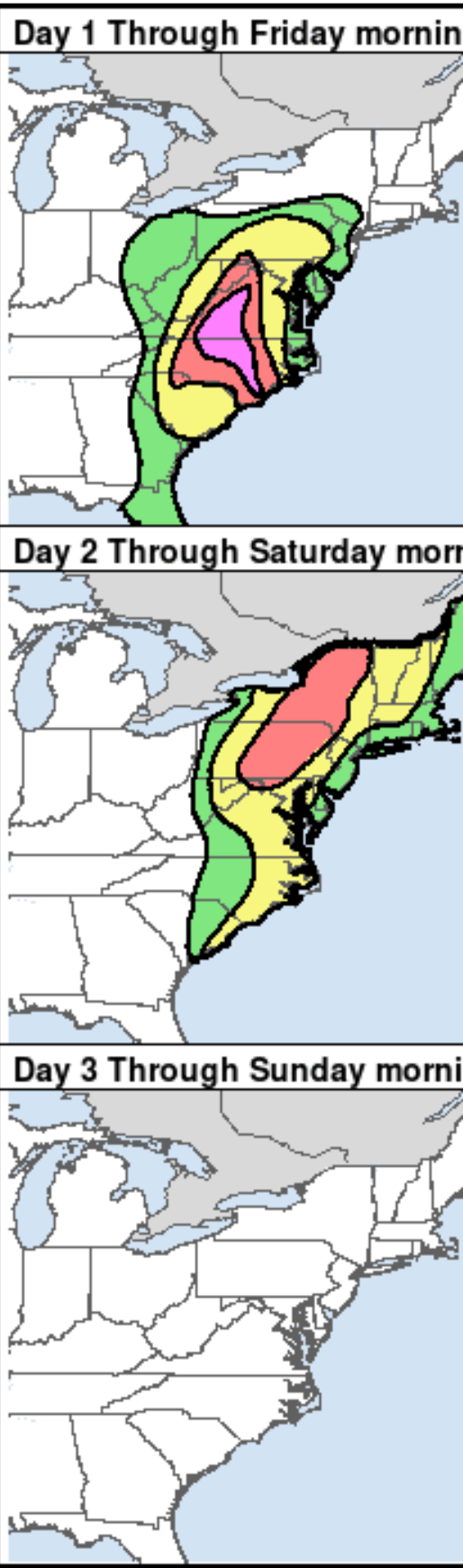
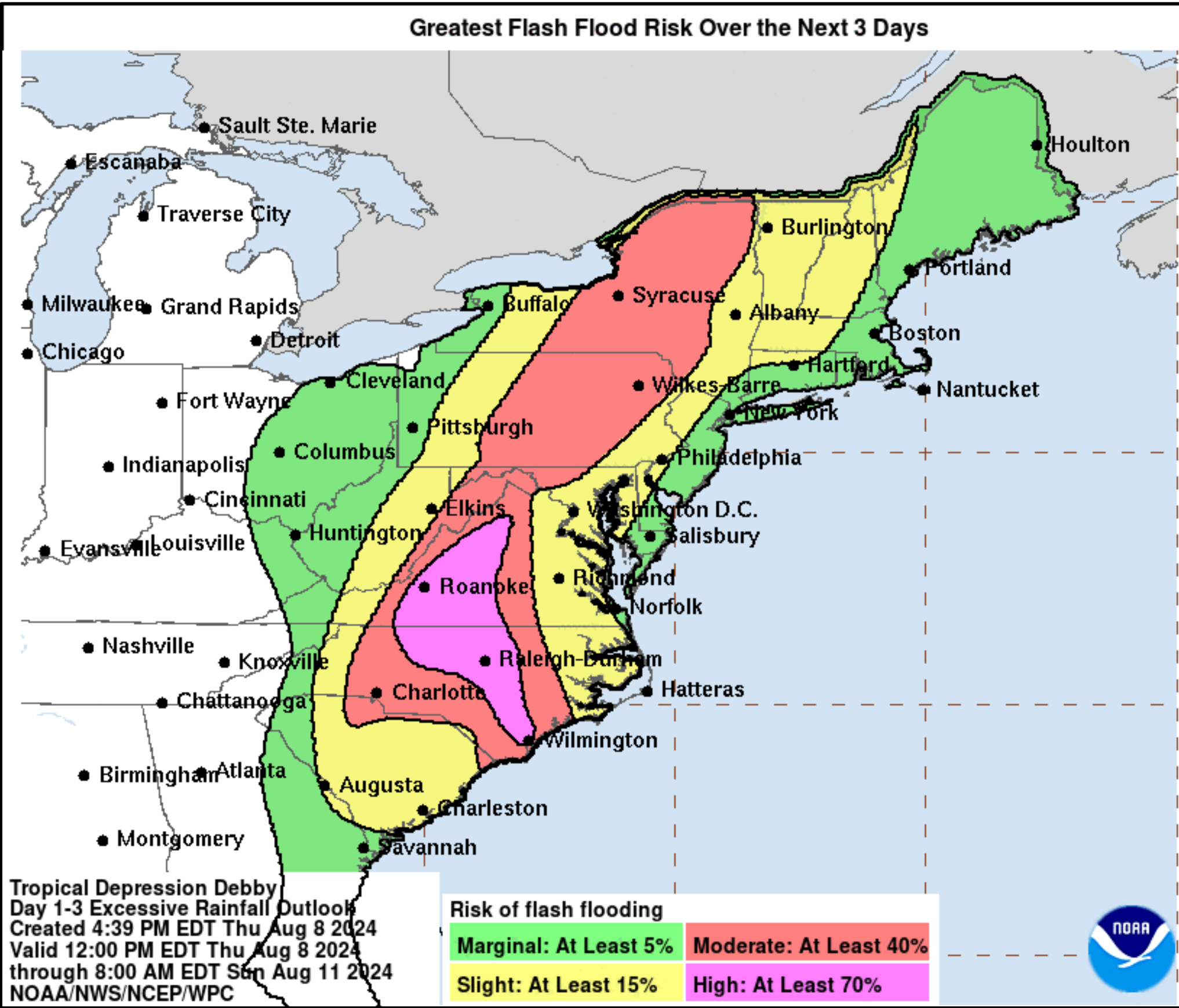
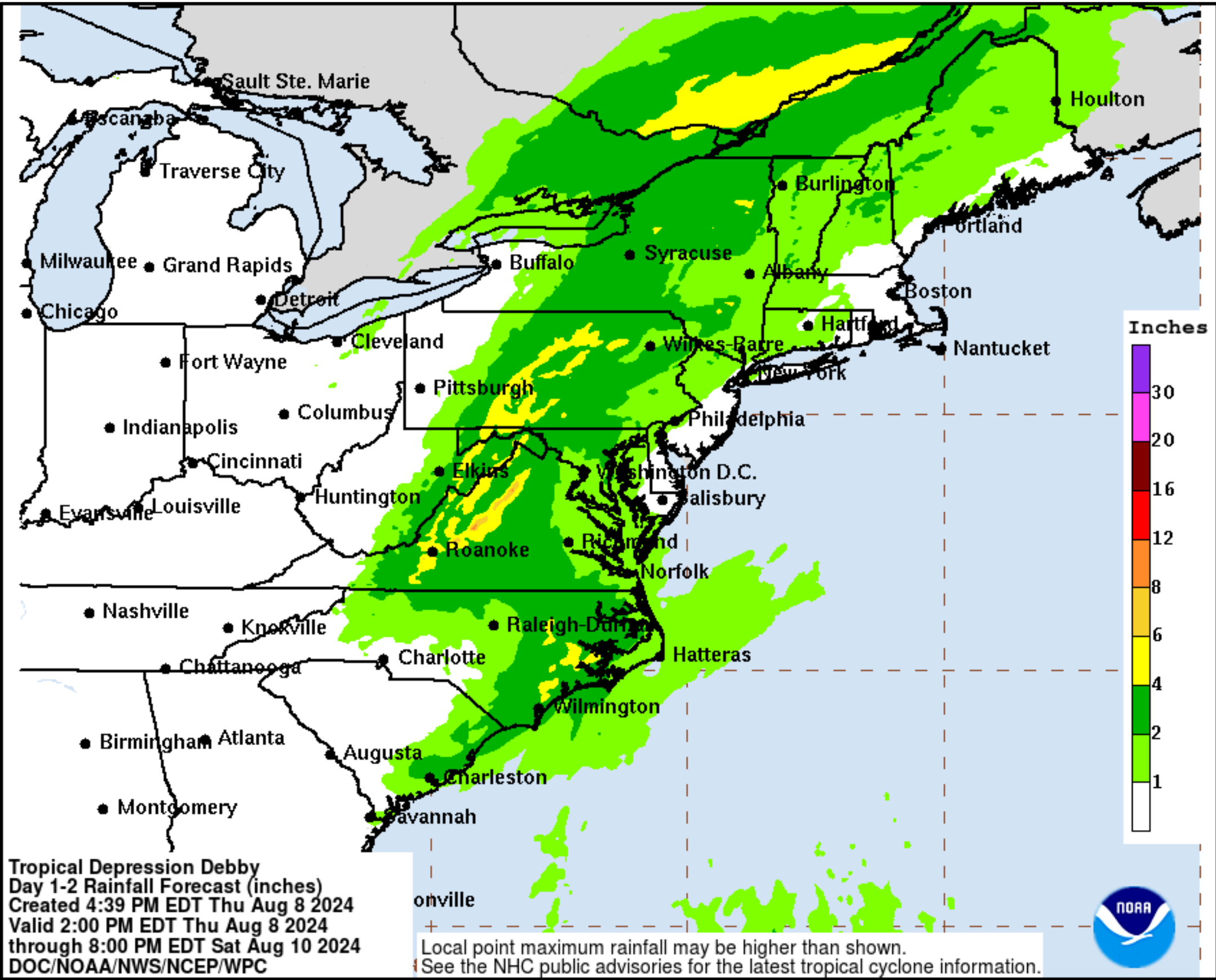
# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Tropical Depression Debby

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Forecast Rainfall: From 2pm Thursday to 8pm Saturday

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**HIGH: > 50%** **SLGT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**  
Valid now through Sunday morning

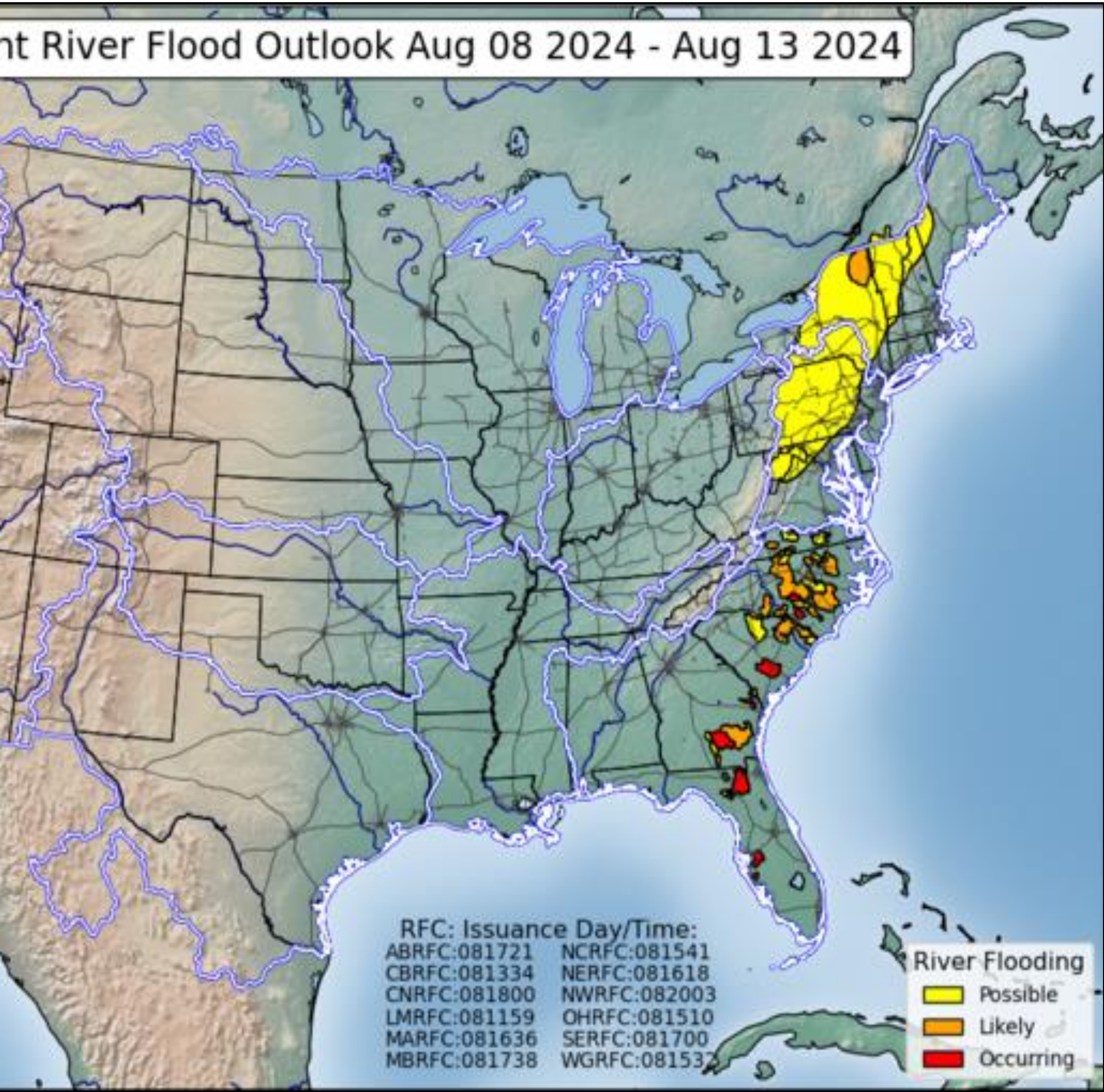


# River Flood Outlook

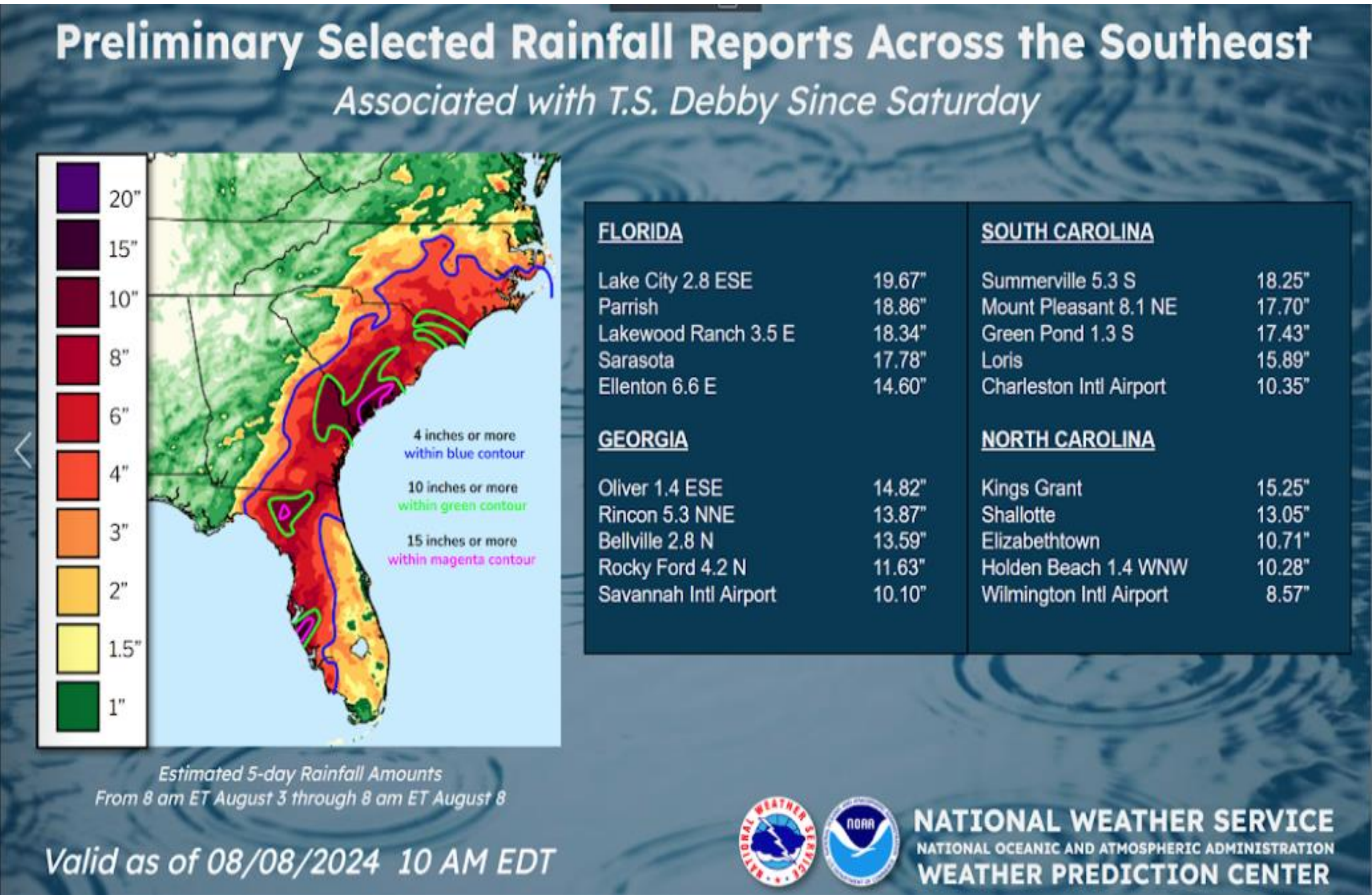
Tropical Depression Debby



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Multiple rivers in Florida, Georgia, and South Carolina are experiencing significant river flooding





# Key Messages

## Tropical Depression Debby



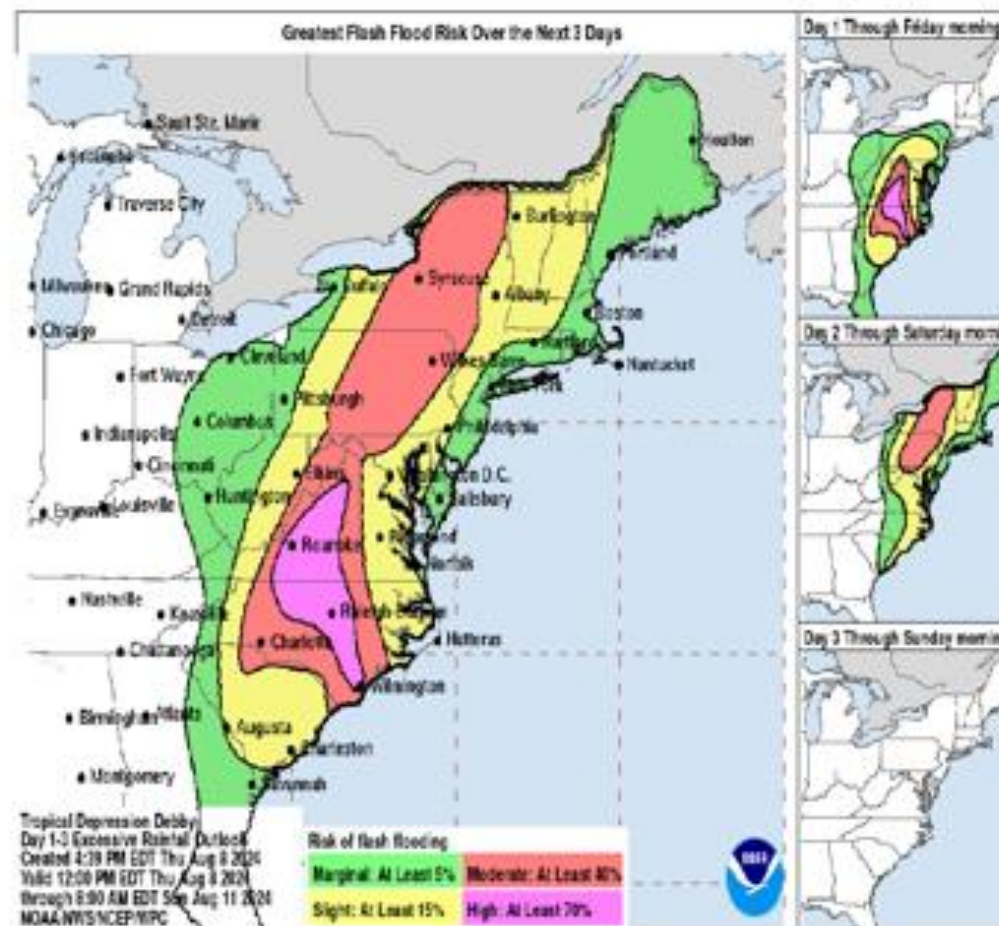
Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Key Messages for Tropical Depression Debby

Advisory 26: 5:00 PM EDT Thu Aug 08, 2024

1. Heavy rainfall across portions of the Carolinas is expected to persist through today along with areas of considerable flooding. Heavy rainfall will also result in considerable to locally catastrophic flooding impacts across portions of the Mid-Atlantic States and Northeast through Saturday morning.



For more information go to [hurricanes.gov](https://hurricanes.gov)

### IMPACTS FOR **D7** (through next day)

**Winds – None**

**Storm Surge – None**

**Rainfall/Flash Flooding – High**

**Tornadoes – None**

**Waves - Low**



You can contact the  
Tropical Analysis and  
Forecast Branch at  
305-229-4424



# TROPICAL DEPRESSION DEBBY BRIEFING

This briefing was prepared by:  
**Chris Landsea** – [Chris.Landsea@noaa.gov](mailto:Chris.Landsea@noaa.gov)

**TIME of NEXT NHC Advisory:**  
**11 PM EDT (to be issued**  
**by the Weather Prediction Center)**

*You can always find get the latest graphics and information for this storm at [www.hurricanes.gov](http://www.hurricanes.gov)*



NHC\_TAFB

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)