



Tropical Storm Debby Briefing

1:45 PM

Monday, Aug 5, 2024

Briefing #1

What Has Changed:

- ✓ Initial briefing
- ✓ Minor track changes
- ✓ Debby has returned to Tropical Storm strength



Situation Overview

Tropical Storm Debby

- The primary threat from Tropical Storm Debby will be prolonged heavy rain that will potentially result in flash flooding and river flooding.
- Rain bands associated with Debby will begin to spread into southern portions of central NC Tuesday night.
- The storm center is expected to drift northeast across North Carolina late Thursday through Friday night.
- Storm total rainfall amounts will range from 8 to 12 inches across the Sandhills and southern Coastal Plain, with 6 to 9 inches in the Triangle to 4 to 6 inches in Triad.



Situation Overview

Tropical Storm Debby

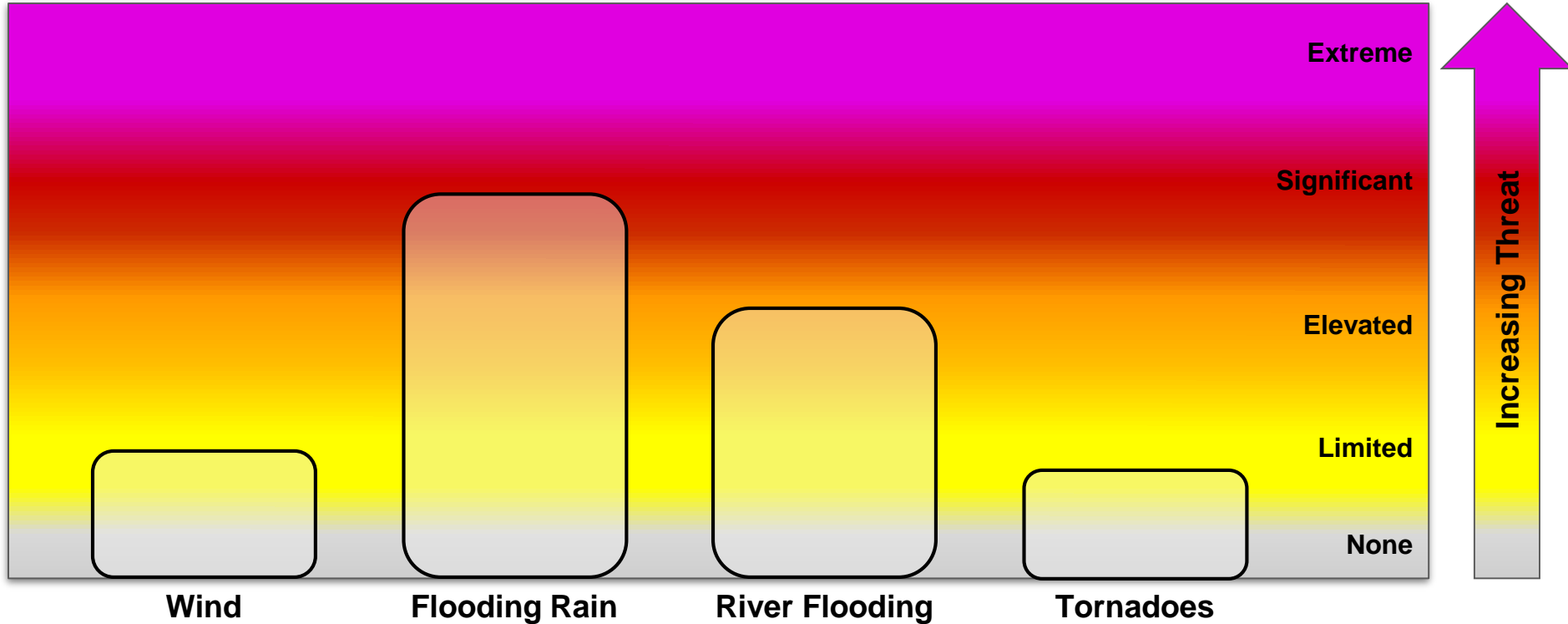
Hazard		Impacts	Location	Timing
Wind	A black and white icon showing a tree being blown over by strong winds.	Wind gusts of 25 to 40 mph.	Based on current track, mainly in the Sandhills and Coastal Plain.	Late Thursday through Friday night.
Flooding Rain	A black and white icon showing a house with a large exclamation mark and wavy lines representing water, indicating flooding.	Flash flooding and eventual river flooding is possible.	All of central NC, with the greatest threat in the Sandhills and Coastal Plain.	Rainfall beginning Tues night continuing through most of Saturday
Tornado	A black and white icon showing a funnel cloud, representing a tornado.	Isolated Tornadoes	Primarily near and east of the track, for now threat focused on the Coastal Plain and Sandhills.	Late Thursday and especially Friday.



Threat Levels

Tropical Storm Debby

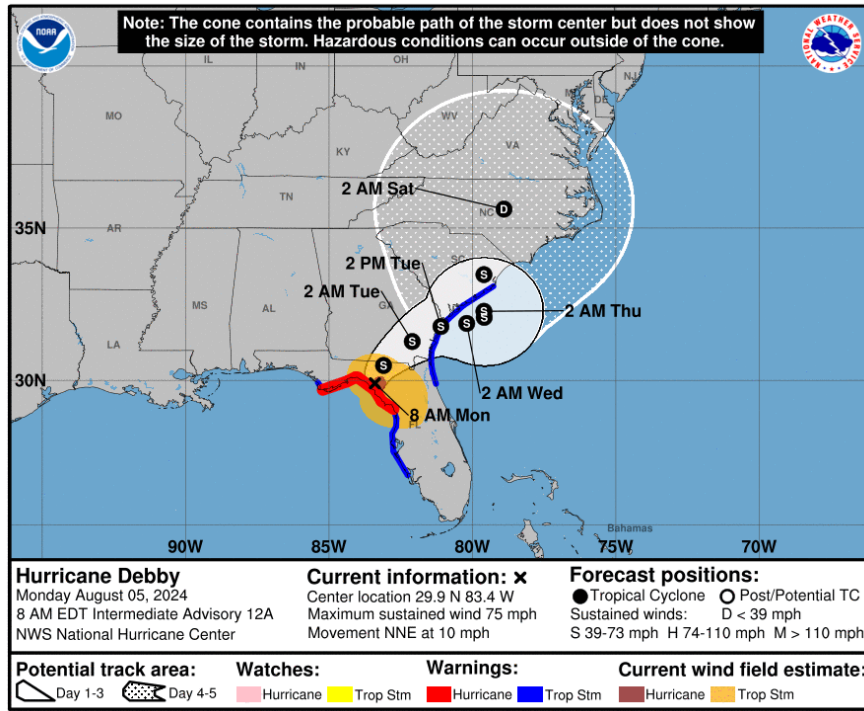
For information on specific hazards in this area, please go to: <https://www.weather.gov/rah/tropical>





Key Messages

Tropical Storm Debby



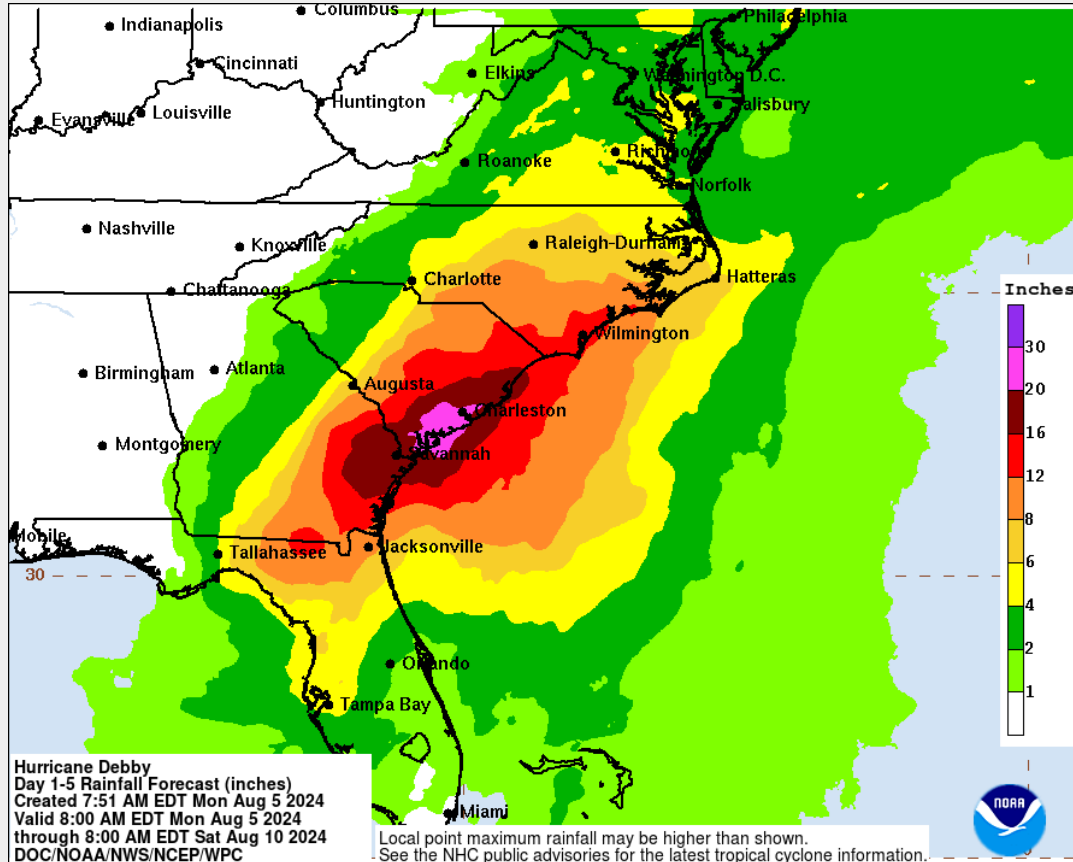
NOTE: Do not focus on the exact track.
Impacts can occur well outside the area enclosed by the cone.

1. Potentially historic heavy rainfall across southeast Georgia and the coastal plain of South Carolina through Saturday morning will likely result in areas of catastrophic flooding. **Heavy rainfall will likely result in considerable flooding impacts** from portions of central and northern Florida and **across portions of central and northeast North Carolina through Saturday morning.**
2. Dangerous storm surge inundation will continue in the Storm Surge warning area along the Gulf Coast of Florida, including the Tampa Bay area, through this afternoon.
3. Tropical storm conditions will continue along portions of the Gulf Coast of Florida today within the Tropical Storm warning area.
4. Dangerous storm surge and tropical storm conditions will spread northward along the southeast U.S. coast from northeastern Florida to North Carolina through the middle of the week. Storm Surge and Tropical Storm warnings have been issued for portions of these areas, and additional watches and warnings will likely be issued later today. Residents in the Storm Surge Warning area should follow any advice given by local officials.



Expected Storm Total Rainfall

Tropical Storm Debby



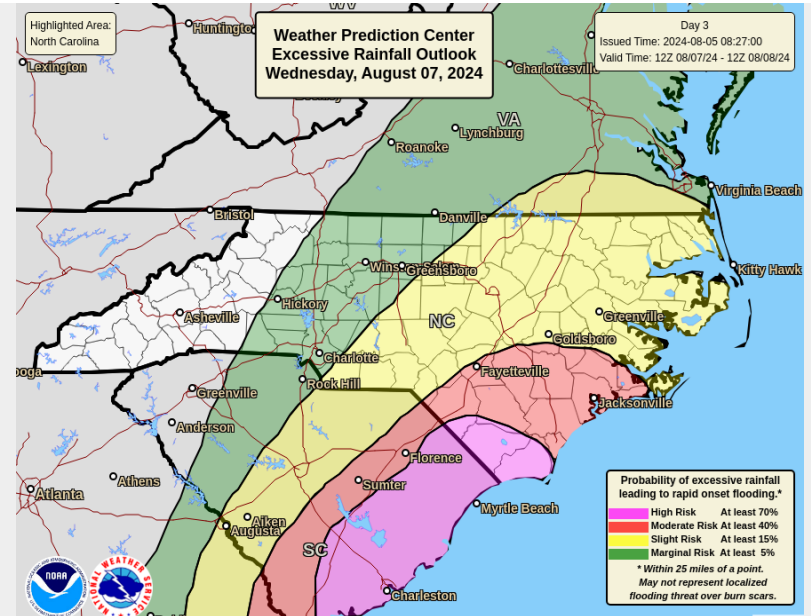
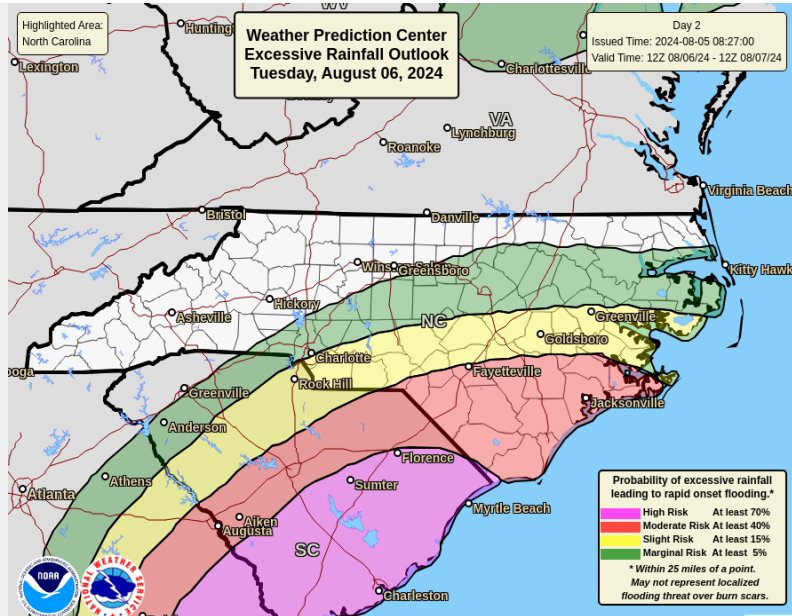
Storm total rainfall amounts will range from 8 to 12 inches across the Sandhills and southern Coastal Plain, with 6 to 9 inches in the Triangle to 4 to 6 inches in Triad and Virginia border counties.



Excessive Rainfall Outlook

Tropical Storm Debby

- Areas outlined in **yellow** and **red** have the ***greatest potential for flash flooding*** on Tuesday and Wednesday.
- Areas outlined in **green** have a marginal risk for excessive rainfall and flash flooding.



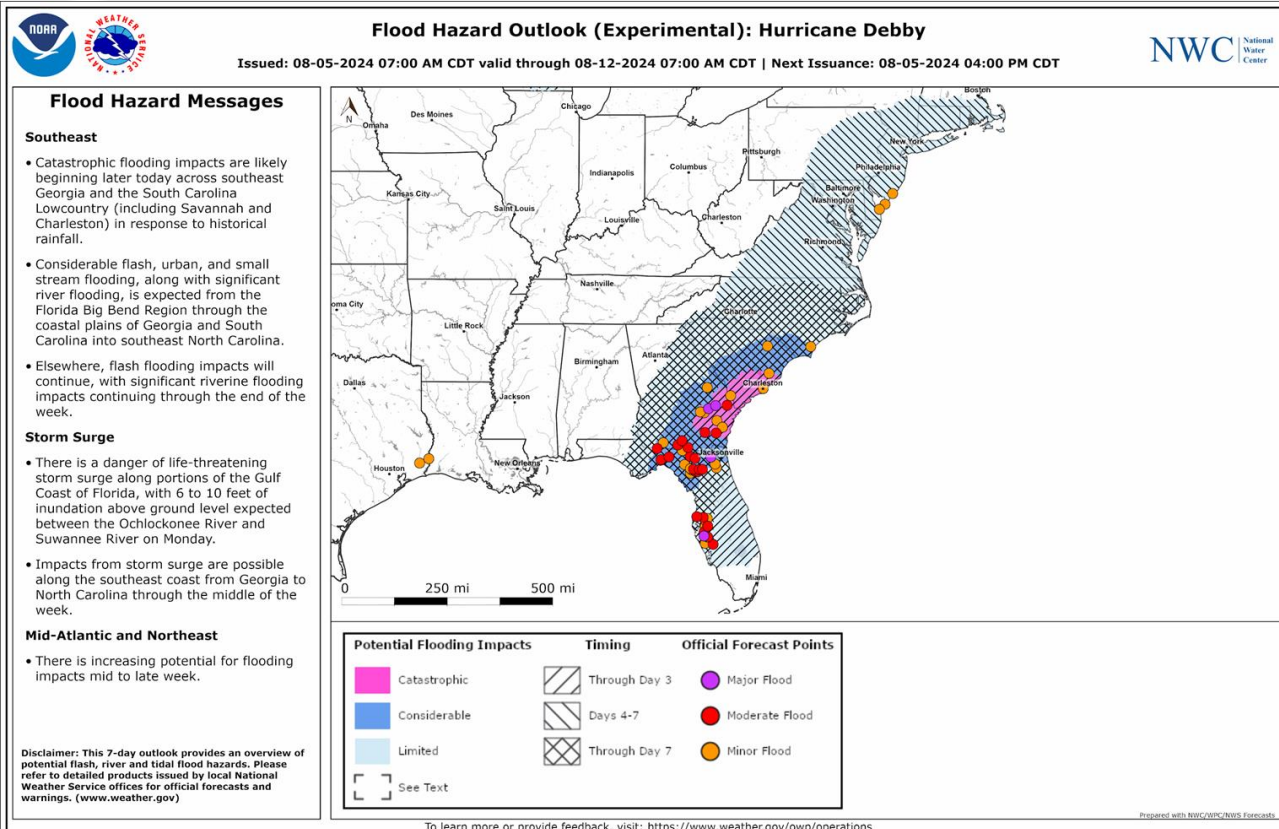
Last updated: 8/5/2024 10:52 AM EDT

National Weather Service - Raleigh, NC



Flood Hazard Outlook

Tropical Storm Debby



River flooding is possible beginning mid week and possibly lasting through next week.

River flooding possible across all of central NC, but most likely along the Cape Fear, Upper Neuse, and Tar River Basins.



Threat Levels

Hurricane Debby

Tuesday

Wednesday

Thursday

Friday

Saturday

Wind

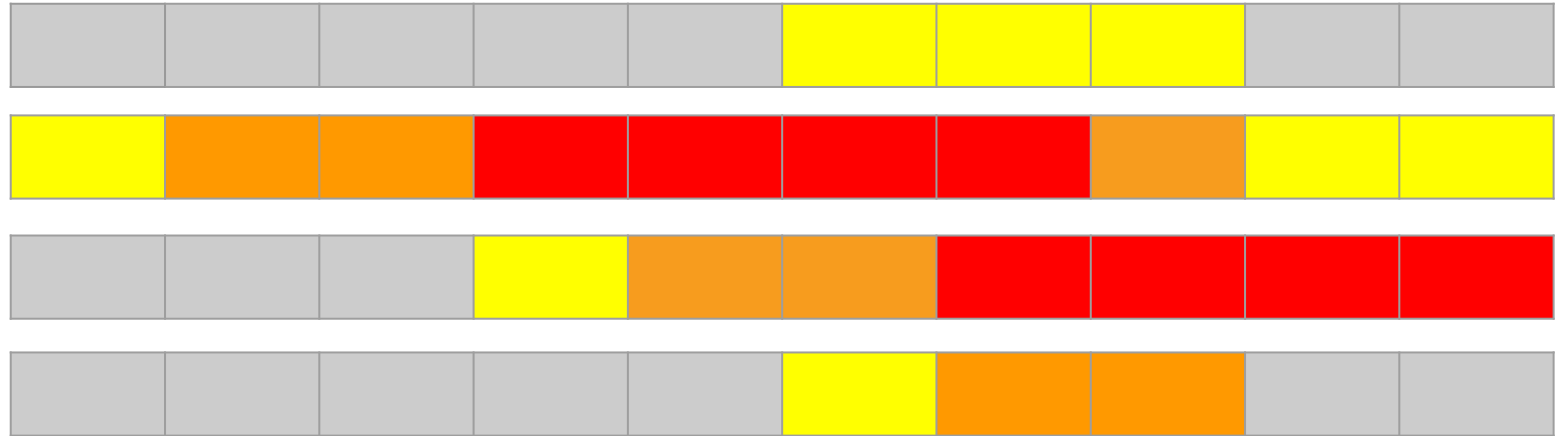
Flooding
Rain

River
Flooding

Tornado

Effects and Impacts Legend

- Little to No Impact
- Minor Impact
- Moderate Impact
- High Impact
- Extreme Impact





Key Takeaways

Tropical Storm Debby

Confidence is MODERATE that the event will occur
Confidence is MODERATE regarding impacts



This will be prolonged heavy rain event that will potentially result in flash flooding and river flooding. The greatest risk of flooding will be across the Sandhills and southern Coastal Plain as early as Tuesday night, but most likely on Wednesday and potentially continuing into the weekend.



Wind gusts of 25 to 40 mph are possible across the Sandhills and Coastal Plain but the wind will be a lesser threat than floodings.



Isolated weak tornadoes possible with the threat focused on the Coastal Plain and Sandhills.



Local Resources

Tropical Storm Debby

Next Briefing:
Monday August 5th by 7 PM
Method: Email



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