

**IMPACTS FOR D8 (through next 5 days)**

**Winds – Low**

**Storm Surge – Low**

**Rainfall/Flash Flooding – Low**

**Tornadoes – None**

**Waves - Low**

# POTENTIAL TROPICAL CYCLONE FOUR BRIEFING



11:00 AM CDT  
Friday, August 2, 2024

Prepared by:

**Keren Rosado-Vázquez**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

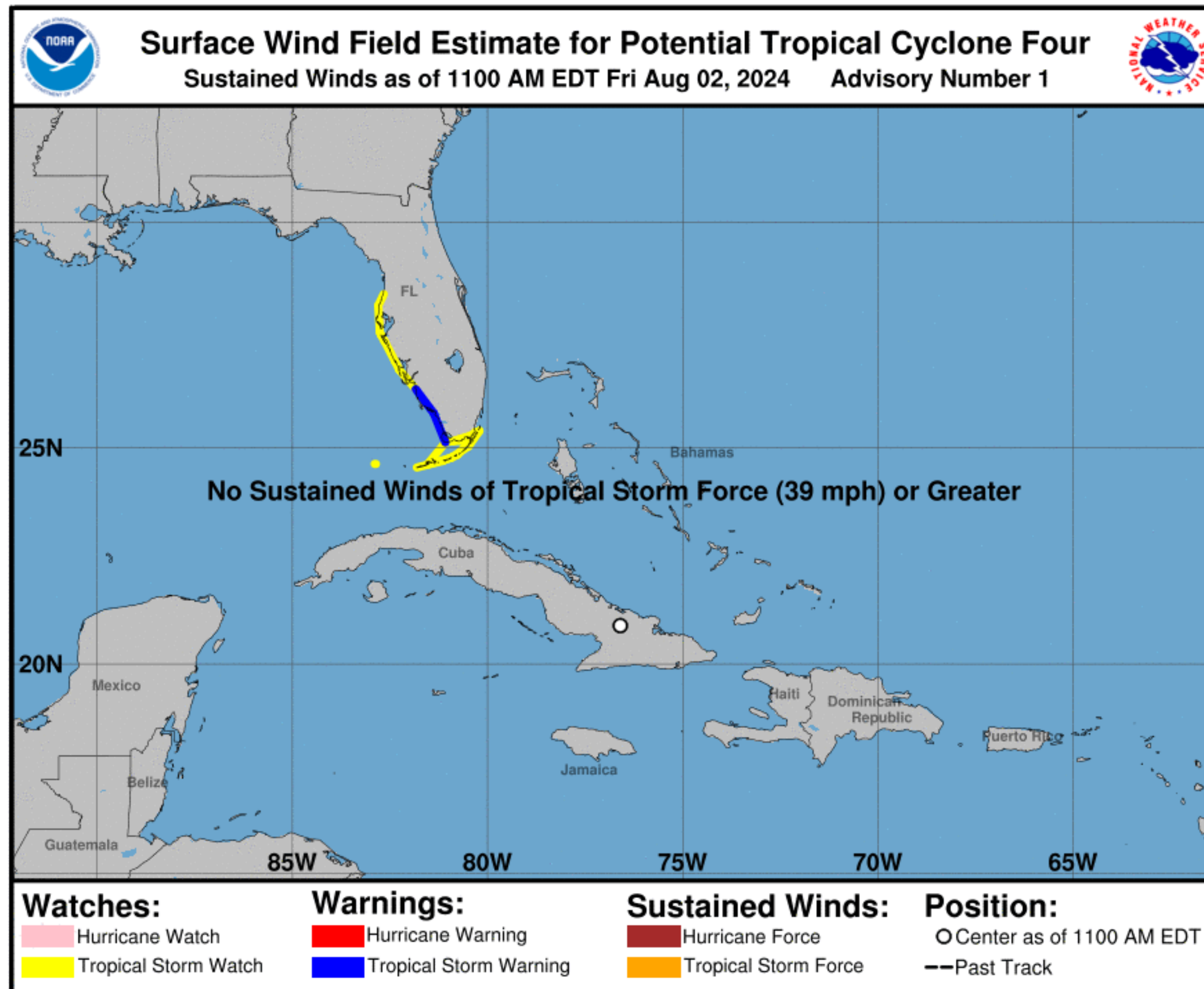
[www.nhc.noaa.gov](http://www.nhc.noaa.gov)

# Situation Overview

## Potential Tropical Cyclone Four



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



...DISTURBANCE LOCATED OVER EASTERN CUBA...  
...TROPICAL STORM WARNINGS AND WATCHES ISSUED  
FOR PORTIONS OF FLORIDA...

SUMMARY OF 1100 AM EDT...1500 UTC...INFORMATION

LOCATION...20.9N 76.6W  
ABOUT 90 MI...145 KM ESE OF CAMAGUEY CUBA  
ABOUT 420 MI...675 KM SE OF KEY WEST FLORIDA  
MAXIMUM SUSTAINED WINDS...30 MPH...45 KM/H  
PRESENT MOVEMENT...WNW OR 290 DEGREES AT 16  
MPH...26 KM/H  
MINIMUM CENTRAL PRESSURE...1012 MB...29.89  
INCHES

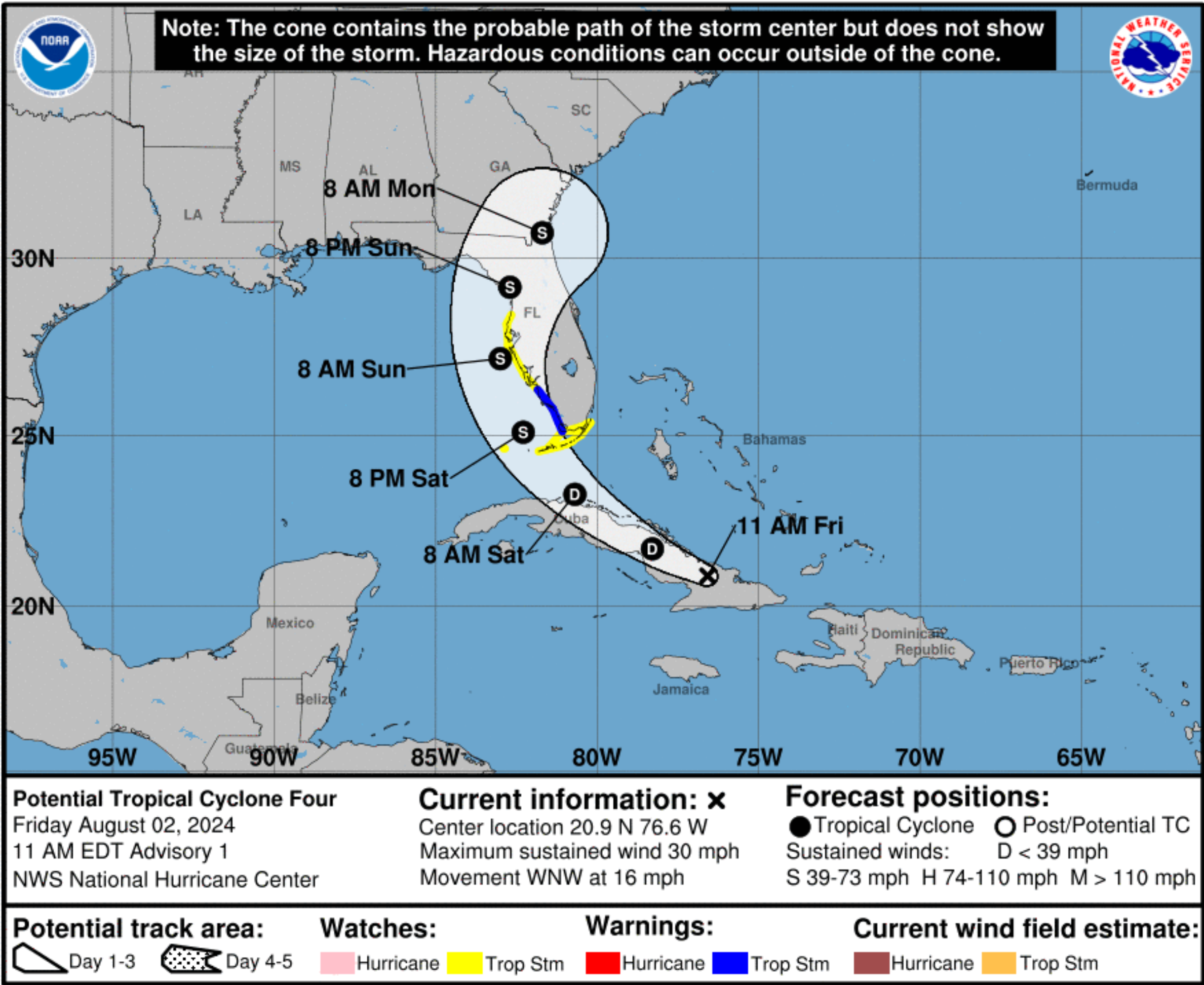


# Forecast Information

## Potential Tropical Cyclone Four



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

- The disturbance is expected to develop into a tropical depression on Saturday as it moves across the Straits of FL, followed by intensification into a tropical storm by Saturday night.
- A turn toward the northwest at a slower forward speed is expected tonight or Saturday, followed by a turn toward the north on Sunday.
- On the forecast track, the disturbance is expected to move over Cuba today, cross the Straits of Florida on Saturday, and then move near or over the west coast of Florida Saturday night through Sunday night.
- Current center forecast positions through the next 5 days (if applicable) illustrated by dots
- White swath of potential track error added to each side of the forecast track through day 3
- Hatched swath of potential track error added to each side of the forecast track days 4-5

\*\* Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

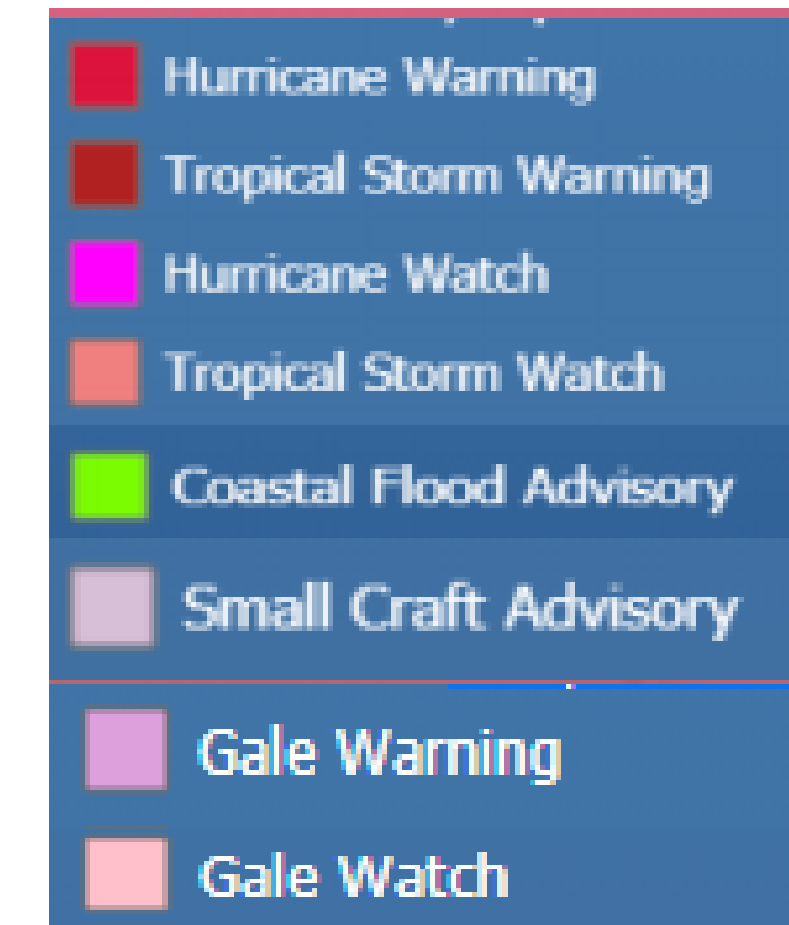
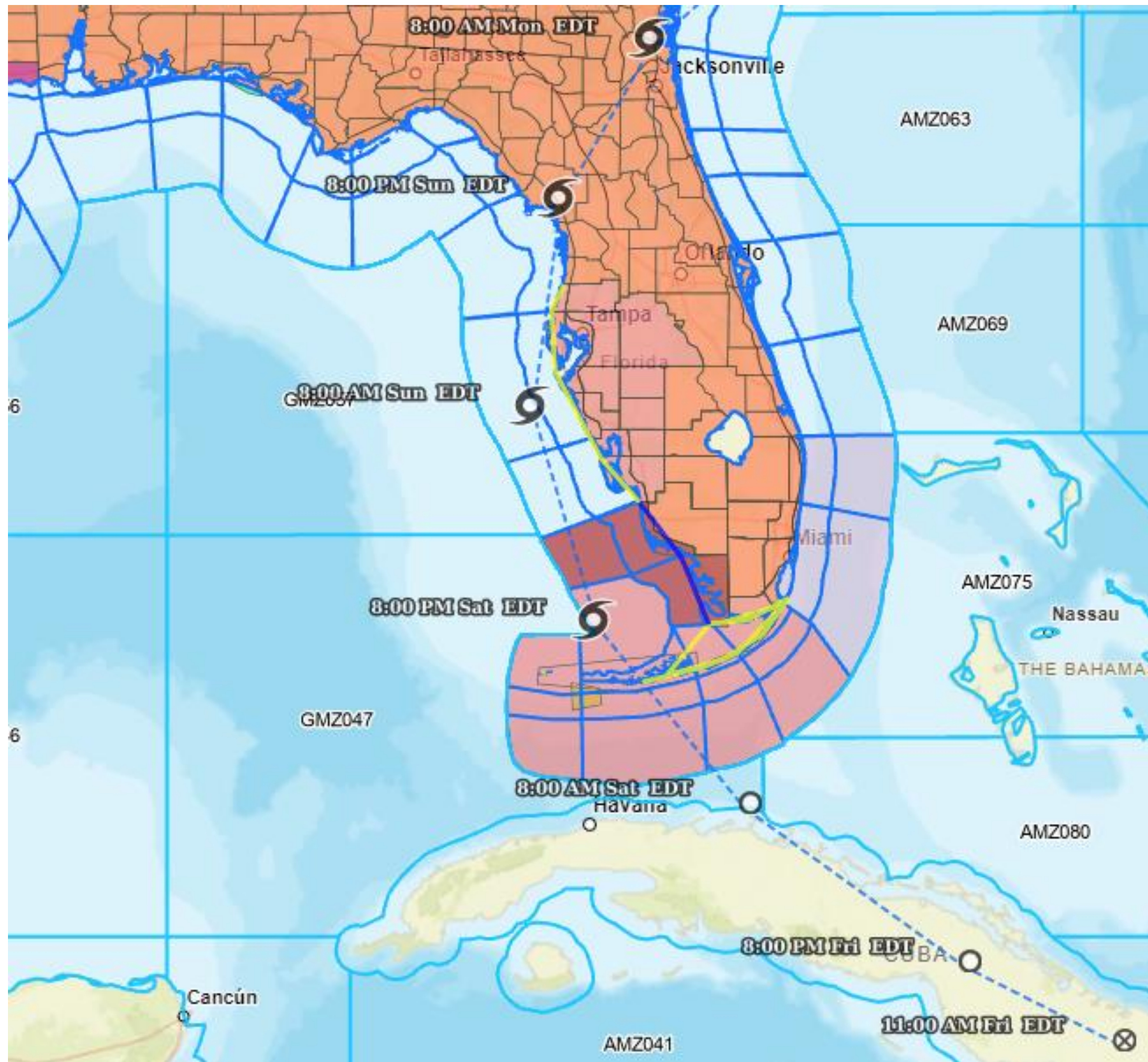


# Hazards Map

## Potential Tropical Cyclone Four



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■ <https://nowcoast.noaa.gov/>

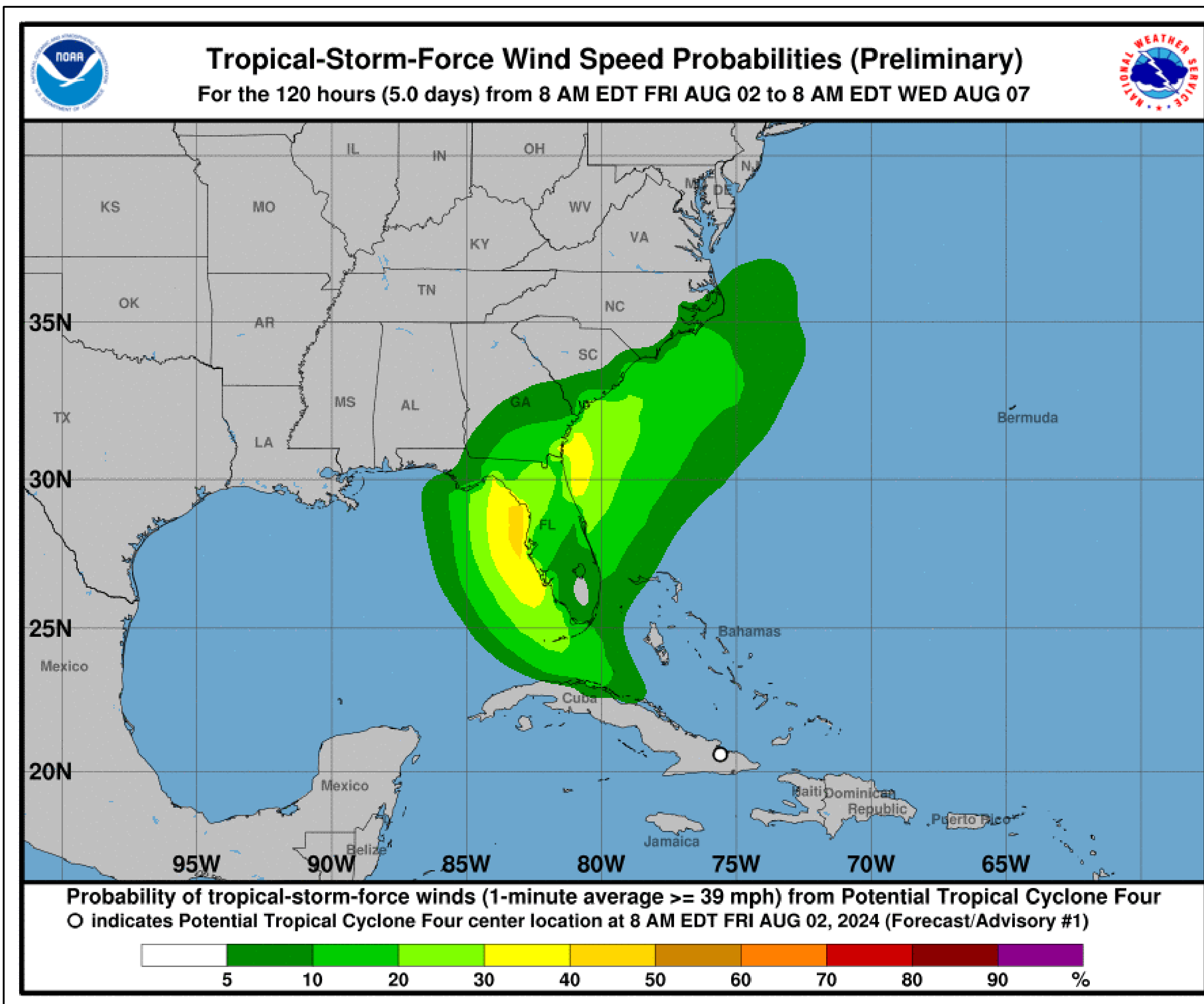


# T.S. Wind Speed Probabilities

## Potential Tropical Cyclone Four



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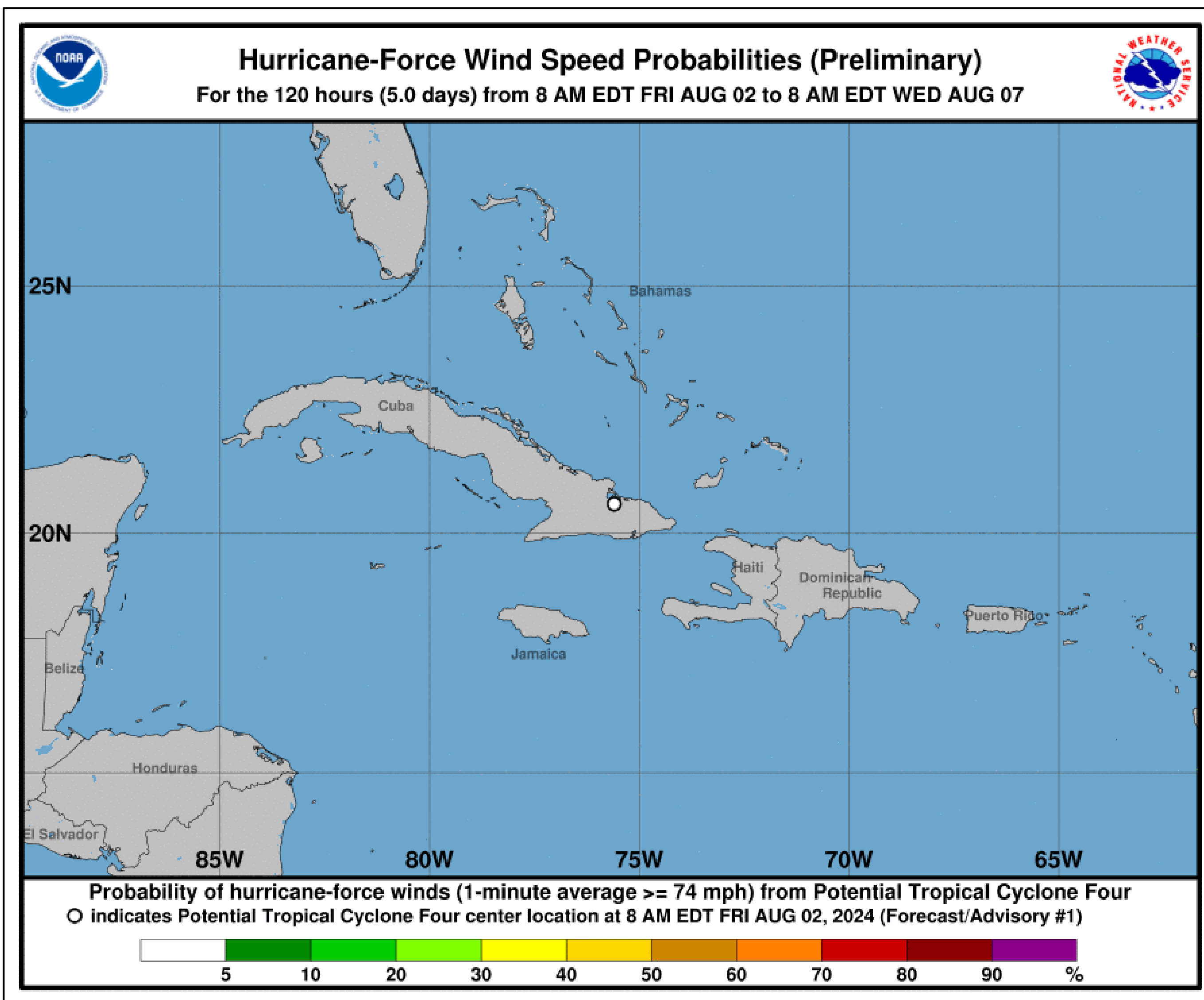
- **TALLAHASSEE FL 10%**
- **APALACHICOLA 16%**
- **PANAMA CITY 9%**
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

# Hurricane Wind Speed Probabilities

## Potential Tropical Cyclone Four



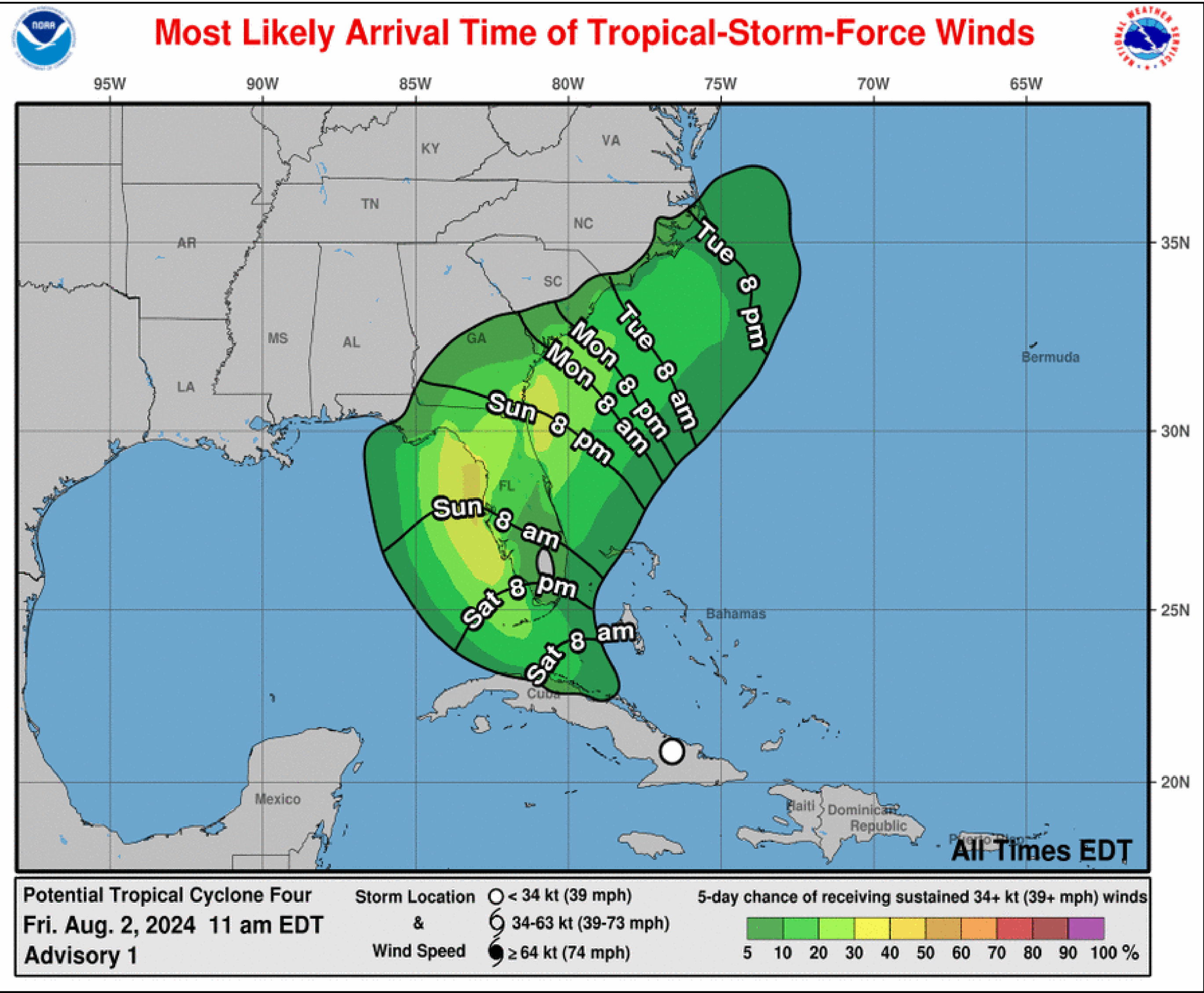
Tropical Analysis and Forecast Branch  
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- **NONE AT THIS TIME**
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.



Potential Tropical Cyclone Four



- The closes point to D8 area of responsibility is **Sunday Afternoon.**
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

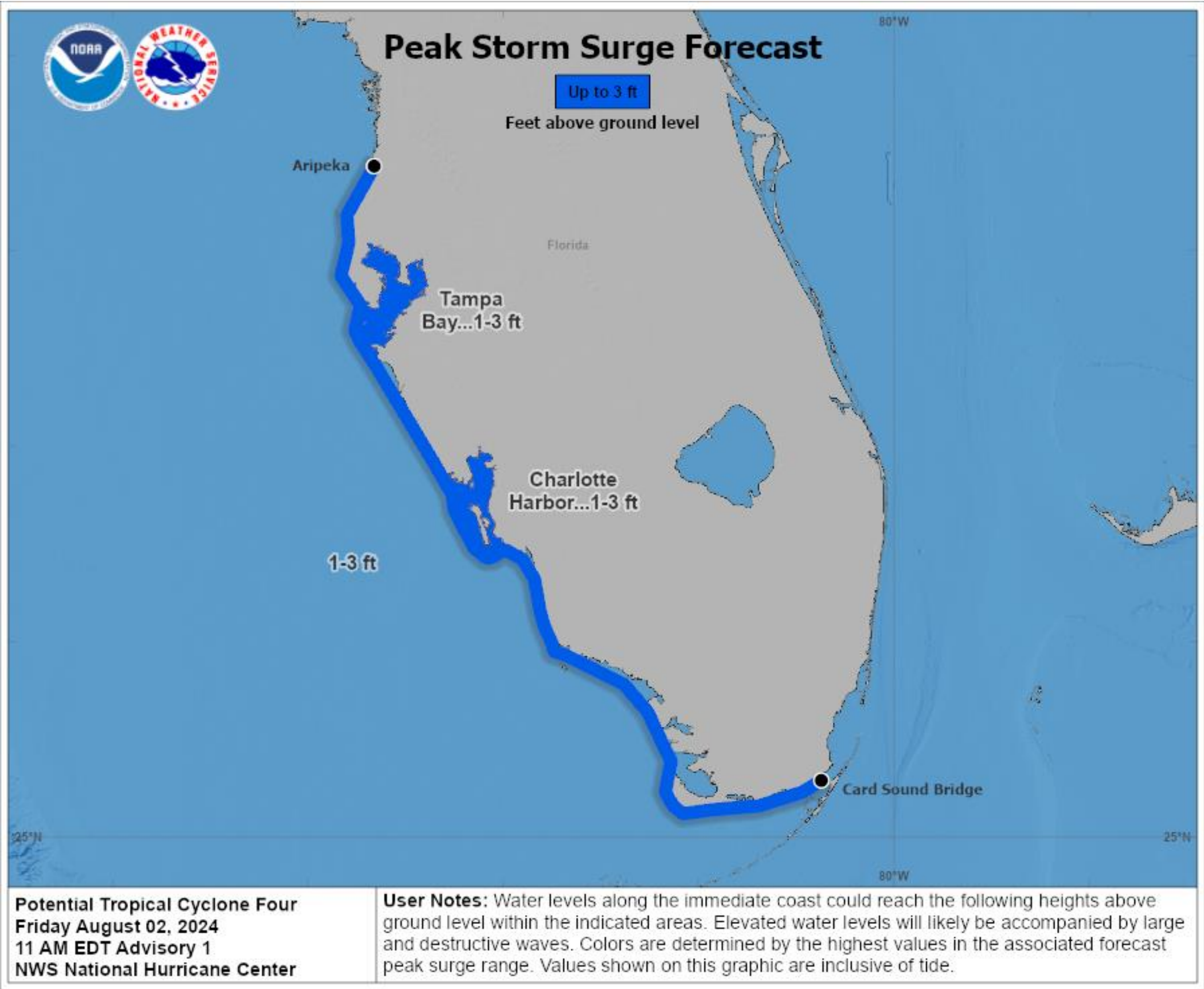


# Potential Peak Storm Surge / Watches and Warnings



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NWS National Hurricane Center

## Potential Tropical Cyclone Four



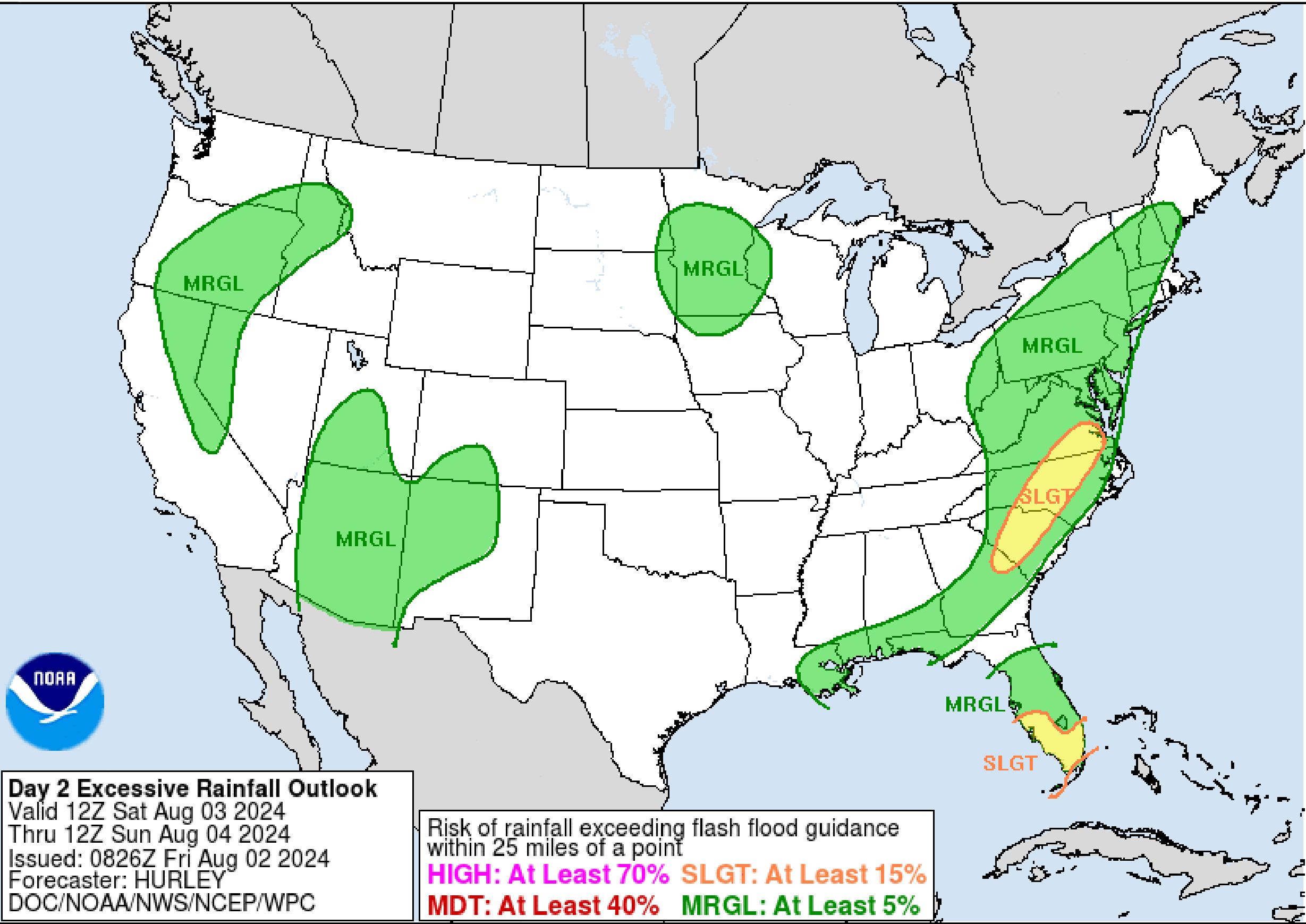
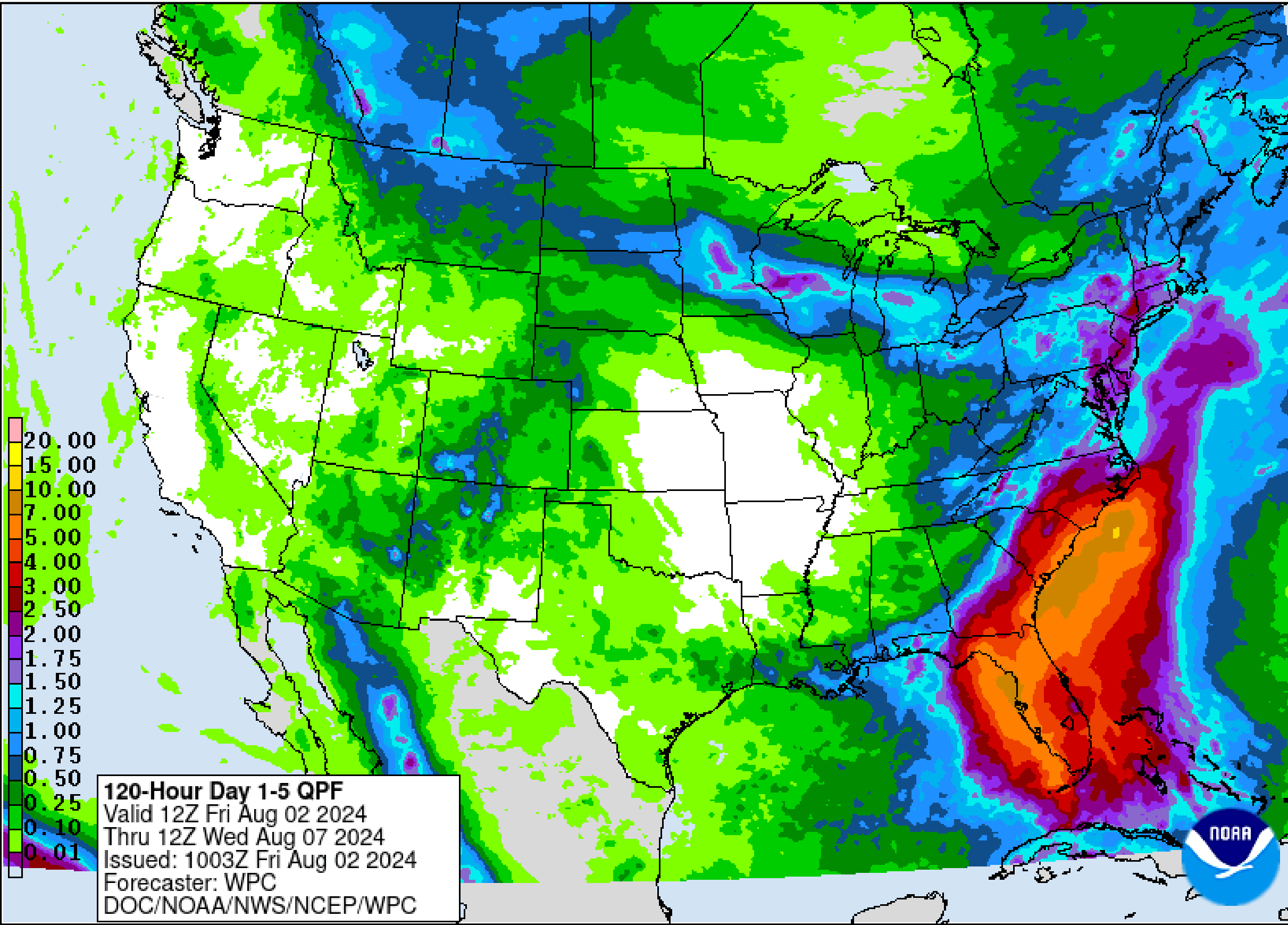


# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Potential Tropical Cyclone Four      Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**HIGH: > 50%**      **SLGT: 10%-20%**  
**MDT: 20%-50%**    **MRGL: 5%-10%**  
Refer to map legend for Valid Time

# Key Messages

## Potential Tropical Cyclone Four



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Key Messages for Potential Tropical Cyclone Four

Advisory 1: 11:00 AM EDT Fri Aug 02, 2024

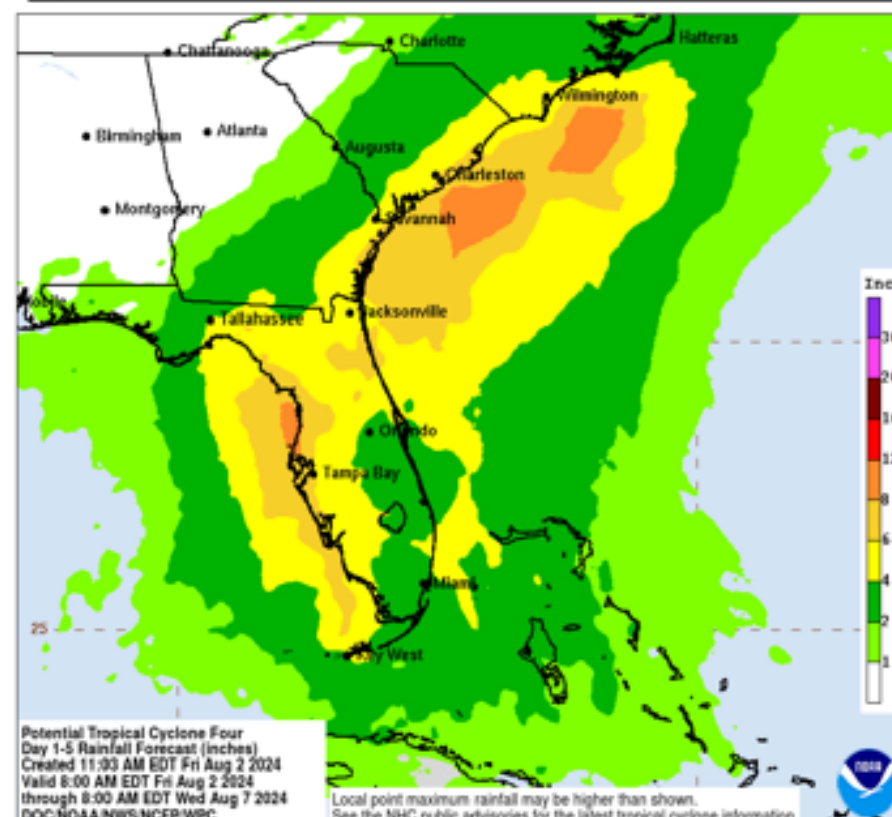
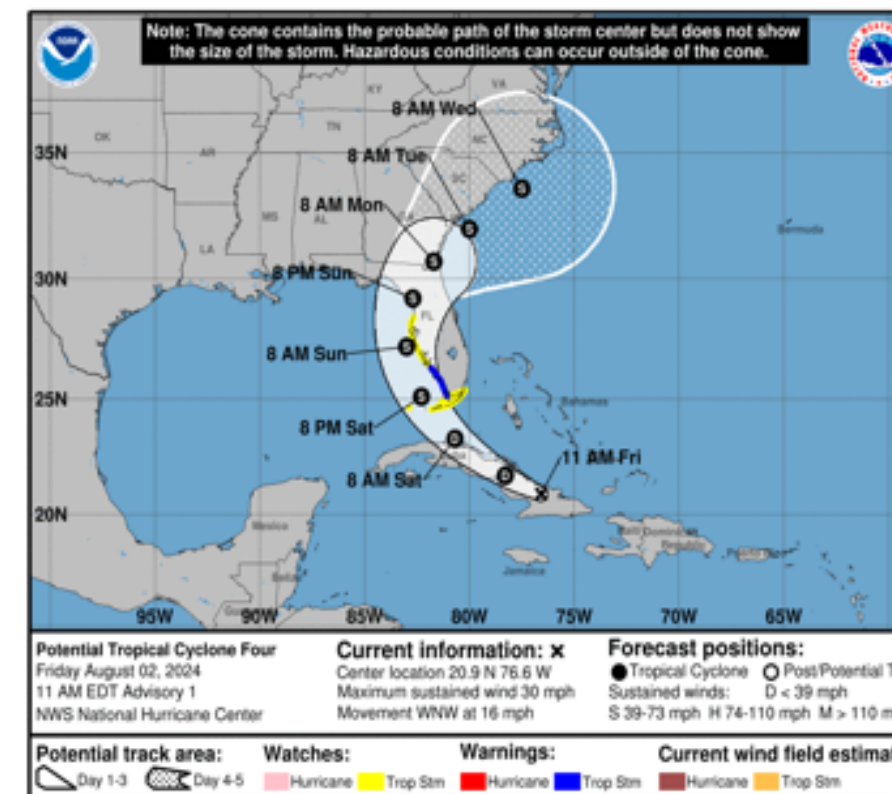


1. Heavy rainfall may result in flash and urban flooding across portions of Florida and the Southeast this weekend through Wednesday morning. Isolated river flooding will also be possible.

2. Tropical storm conditions are expected Saturday night within the warning area in southwest Florida from East Cape Sable to Bonita Beach where a Tropical Storm Warning has been issued. Tropical storm conditions are possible in the Florida Keys on Saturday and along the Florida west coast north of Bonita Beach to Aripeka Saturday night and Sunday where a Tropical Storm Watch is in effect.

3. Coastal flooding is possible along portions of the west coast of Florida over the weekend.

4. Interests elsewhere in Florida and along the southeast coast of the United States from Georgia to North Carolina should monitor the progress of this system.



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

- Marine Key Messages:
- No major impacts are expected for the D8 area of responsibility.



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



# POTENTIAL TROPICAL CYCLONE FOUR BRIEFING

**TIME of NEXT NHC Advisory:**  
**21 UTC: 4 PM CDT**

*The Next Briefing Will Be:*  
*Saturday 8:00 AM CST*

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



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