

IMPACTS FOR D7 (through next 5 days)

Winds – Medium

Storm Surge – Low

Rainfall/Flash Flooding – Medium

Tornadoes – Low

Waves - Medium

POTENTIAL TROPICAL CYCLONE FOUR BRIEFING



3:00 PM EDT

Friday, August 2, 2024

Prepared by:

Keren Rosado-Vázquez

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

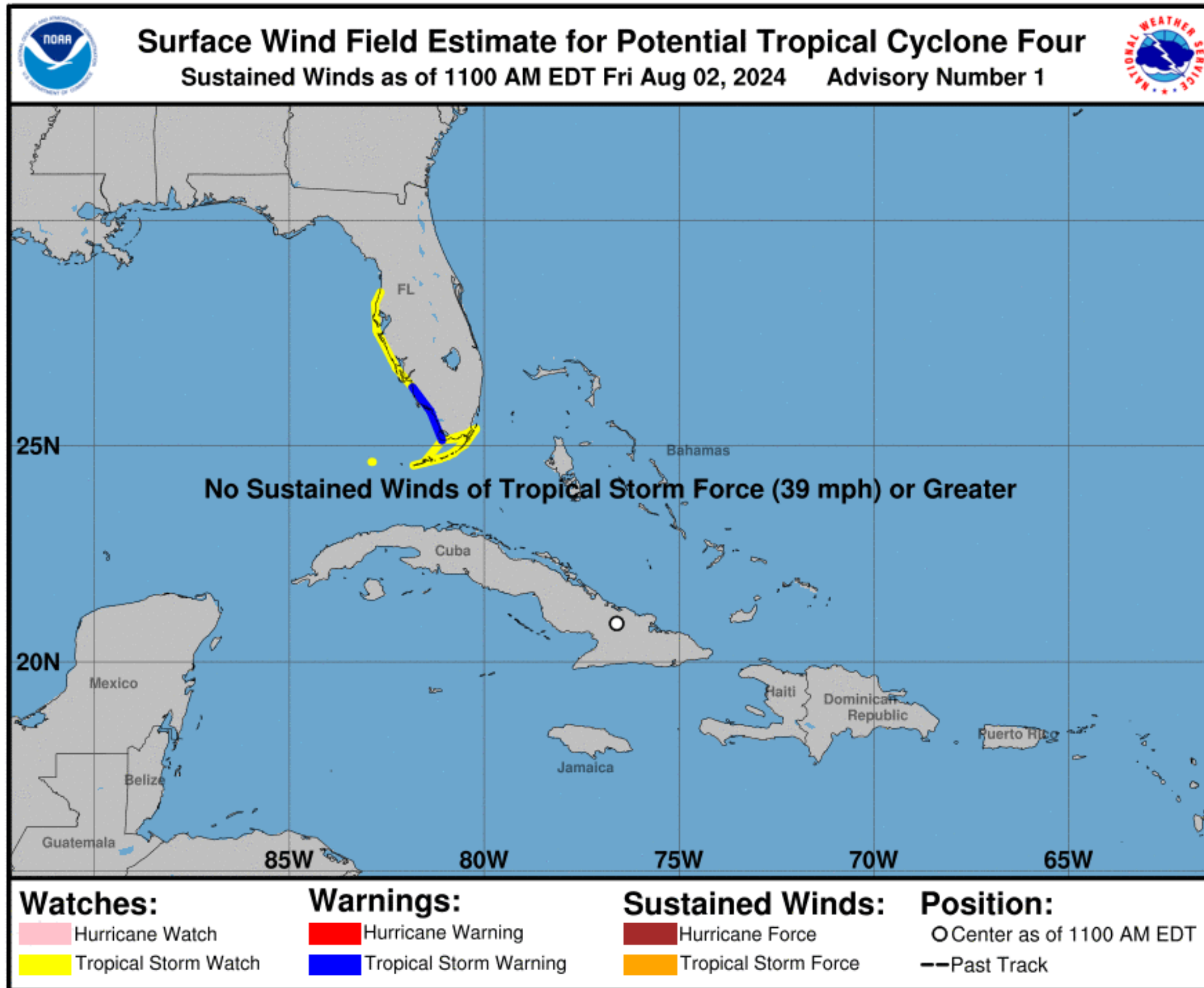


Situation Overview

Potential Tropical Cyclone Four



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NWS National Hurricane Center



...DISTURBANCE CURRENTLY CROSSING EASTERN CUBA... EXPECTED TO BRING TROPICAL STORM CONDITIONS AND HEAVY RAINS TO PORTIONS OF THE FLORIDA PENINSULA...

SUMMARY OF 200 PM EDT...1800 UTC...INFORMATION

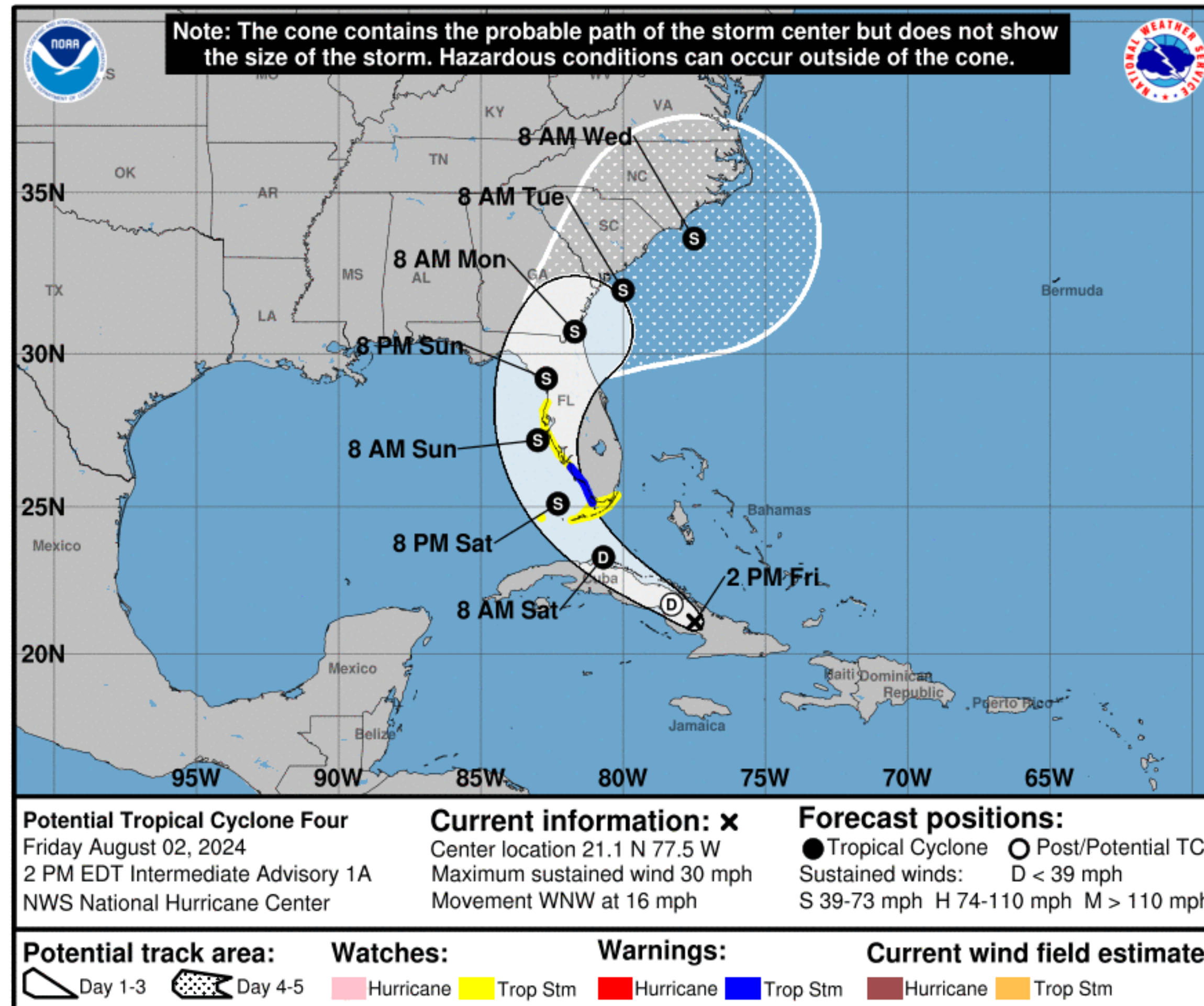
**LOCATION...21.1N 77.5W
ABOUT 27 NM SE OF CAMAGUEY CUBA
ABOUT 313 NM SE OF KEY WEST FLORIDA
MAXIMUM SUSTAINED WINDS...25 KT
PRESENT MOVEMENT...WNW OR 290 DEGREES AT 14 KT
MINIMUM CENTRAL PRESSURE...1012 MB**

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.

- 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.
- The disturbance is expected to develop into a tropical depression on Saturday as it moves across the Straits of Florida, followed by intensification into a tropical storm by Saturday night.
- Current center forecast positions through the next 5 days (if applicable) illustrated by dots
- White swatch of potential track error added to each side of the forecast track through day 3
- Hatched swatch of potential track error added to each side of the forecast track days 4-5

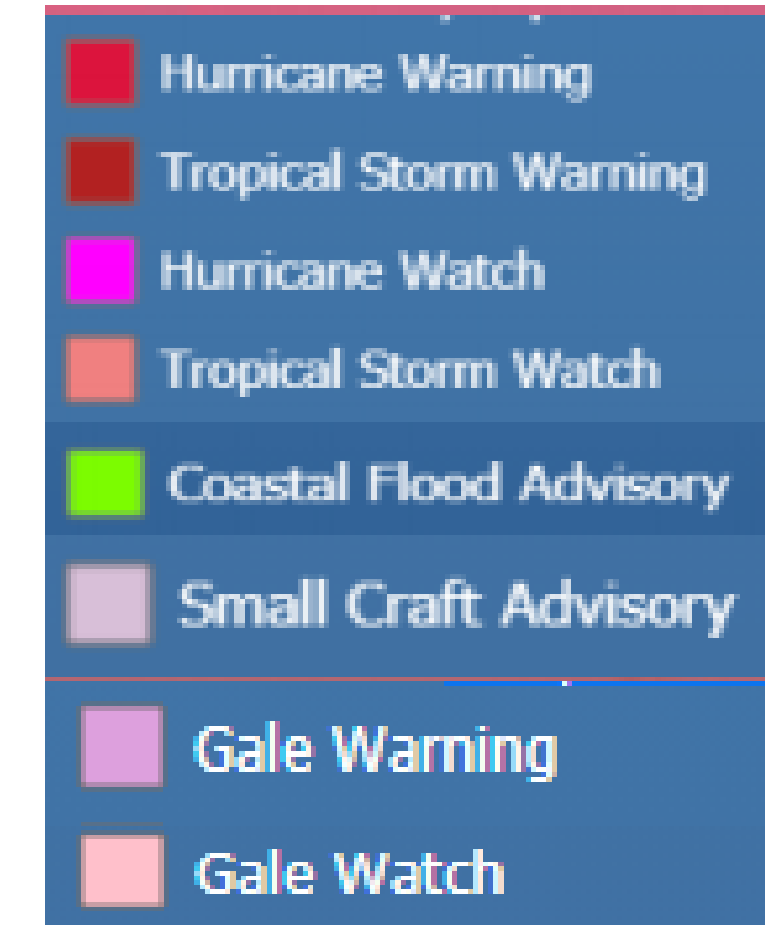
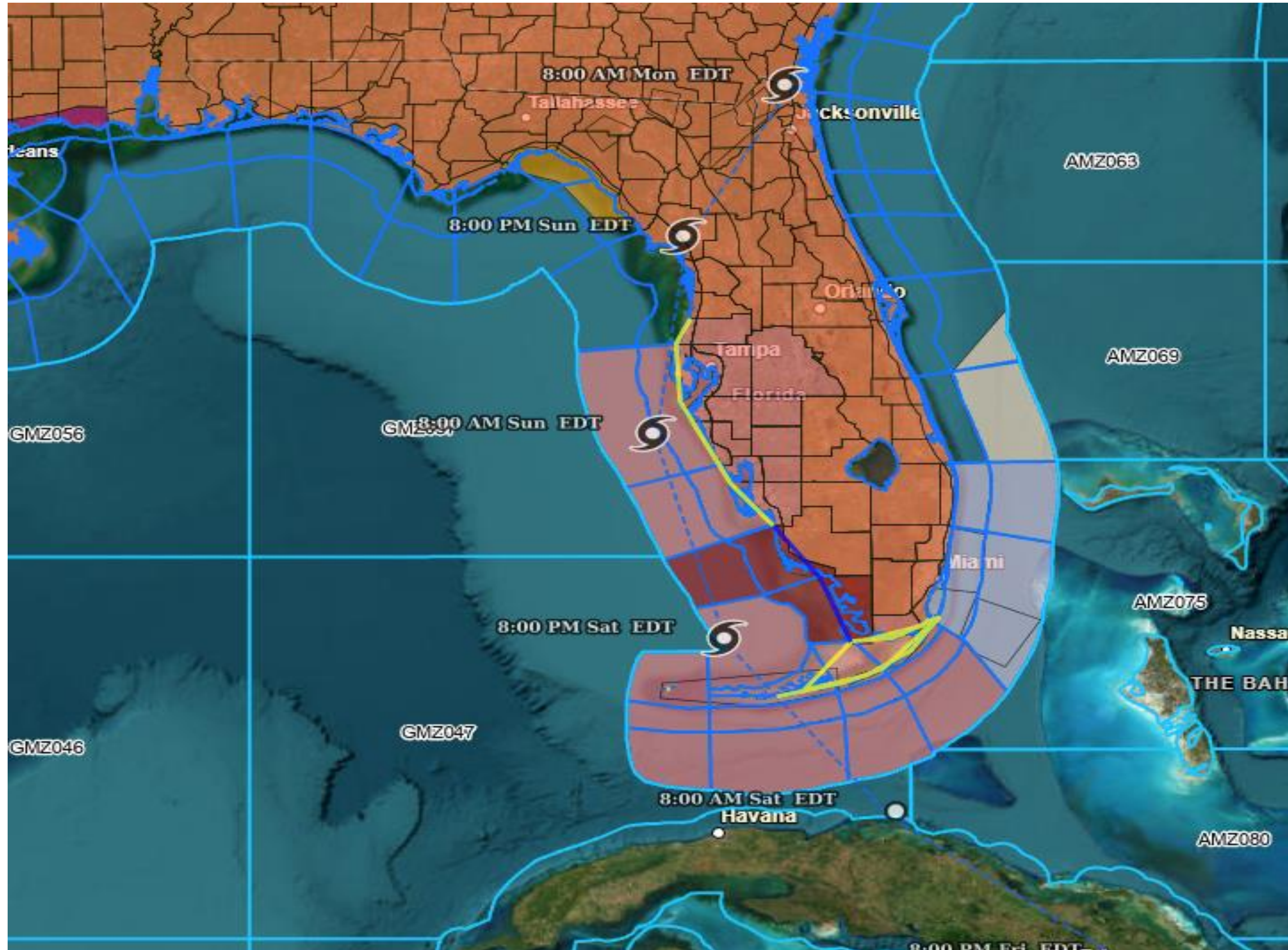
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Potential Tropical Cyclone Four



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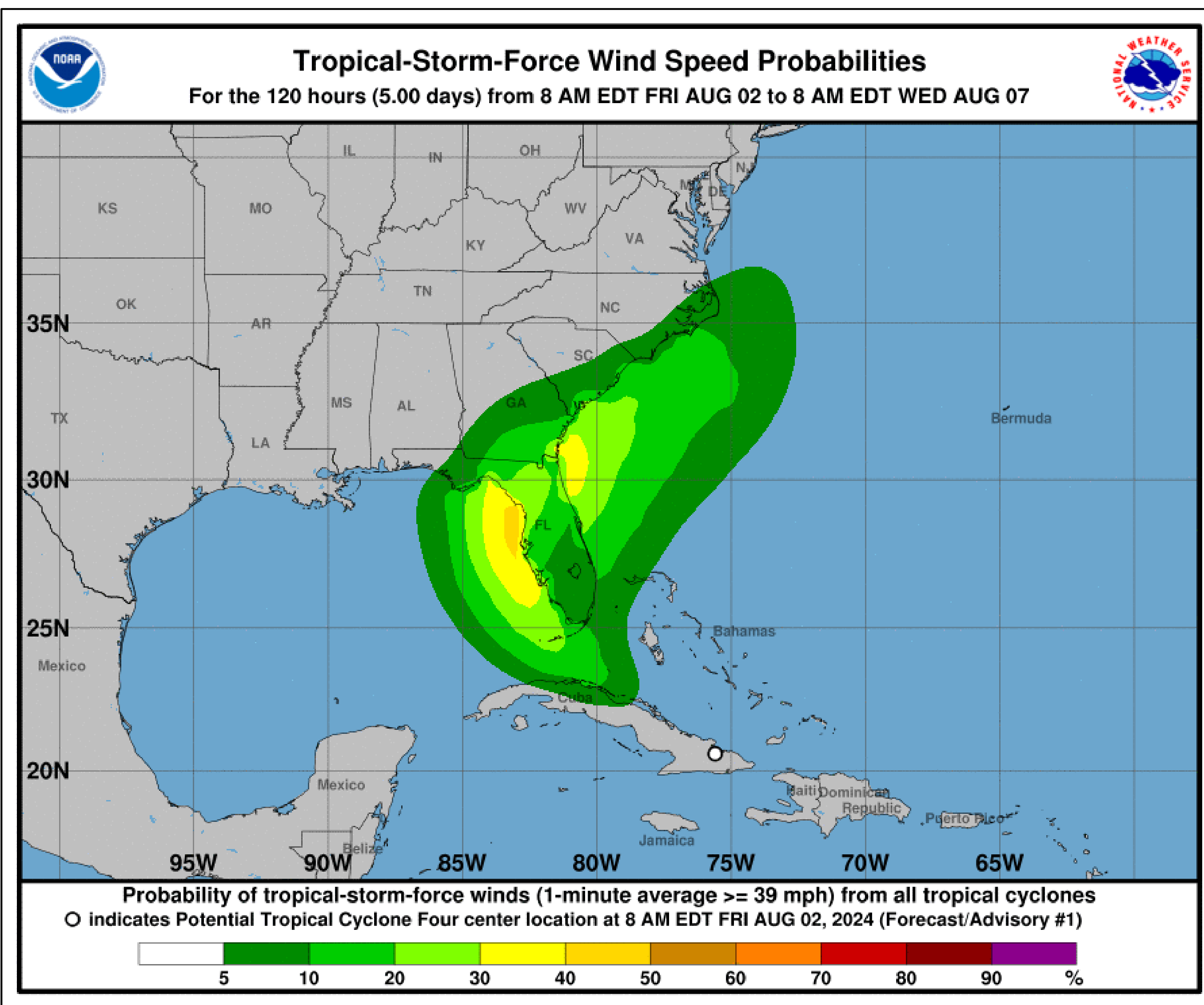
- <https://nowcoast.noaa.gov/>

T.S. Wind Speed Probabilities

Potential Tropical Cyclone Four



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MACON GA 3%	KINGS BAY GA 37%	W PALM BEACH 12%
DOTHAN AL 3%	WAYCROSS GA 15%	FT LAUDERDALE 10%
ALBANY GA 6%	MAYPORT NS FL 37%	MARATHON FL 22%
FLORENCE SC 3%	JACKSONVILLE 20%	KEY WEST FL 25%
MYRTLE BEACH 13%	GAINESVILLE FL 24%	NAPLES FL 28%
GEORGETOWN SC 6%	DAYTONA BEACH 14%	TAMPA FL 44%
CHARLESTON SC 19%	ORLANDO FL 12%	CEDAR KEY FL 45%
BEAUFORT MCAS 22%	COCOA BEACH FL 22%	
AUGUSTA GA 3%	PATRICK AFB 22%	
SAVANNAH GA 11%	FT PIERCE FL 17%	

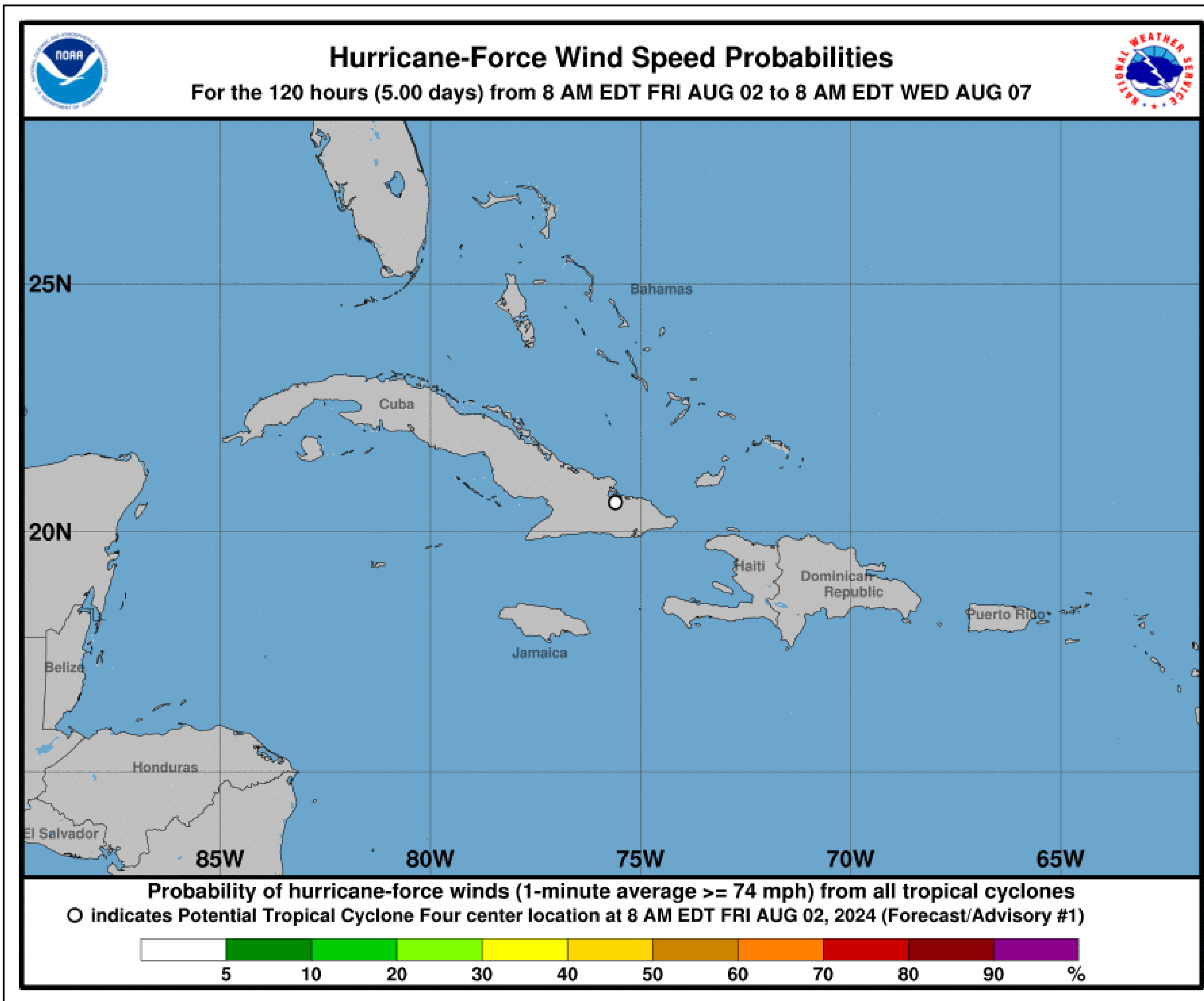
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

Hurricane Wind Speed Probabilities



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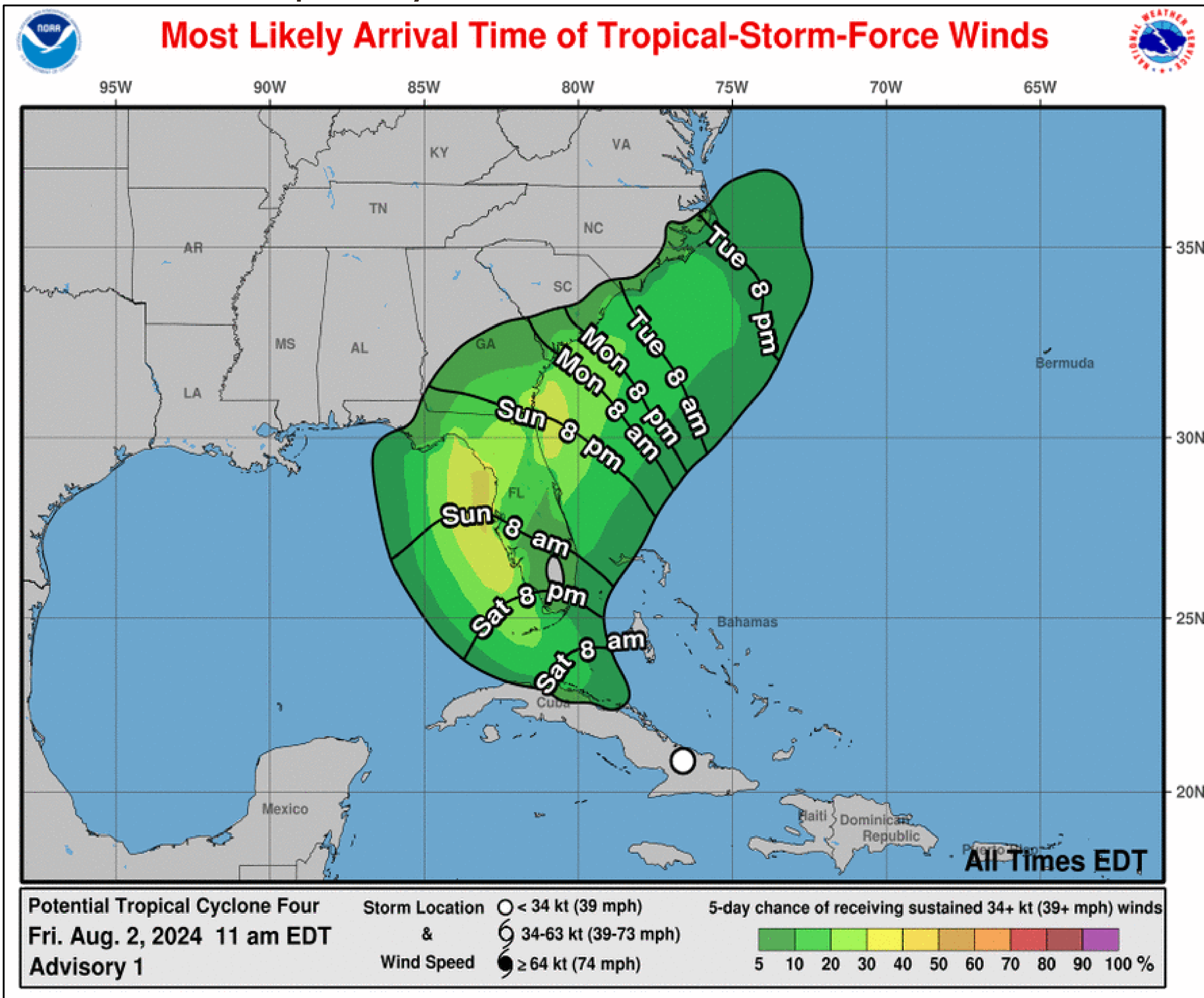
Potential Tropical Cyclone Four



- **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



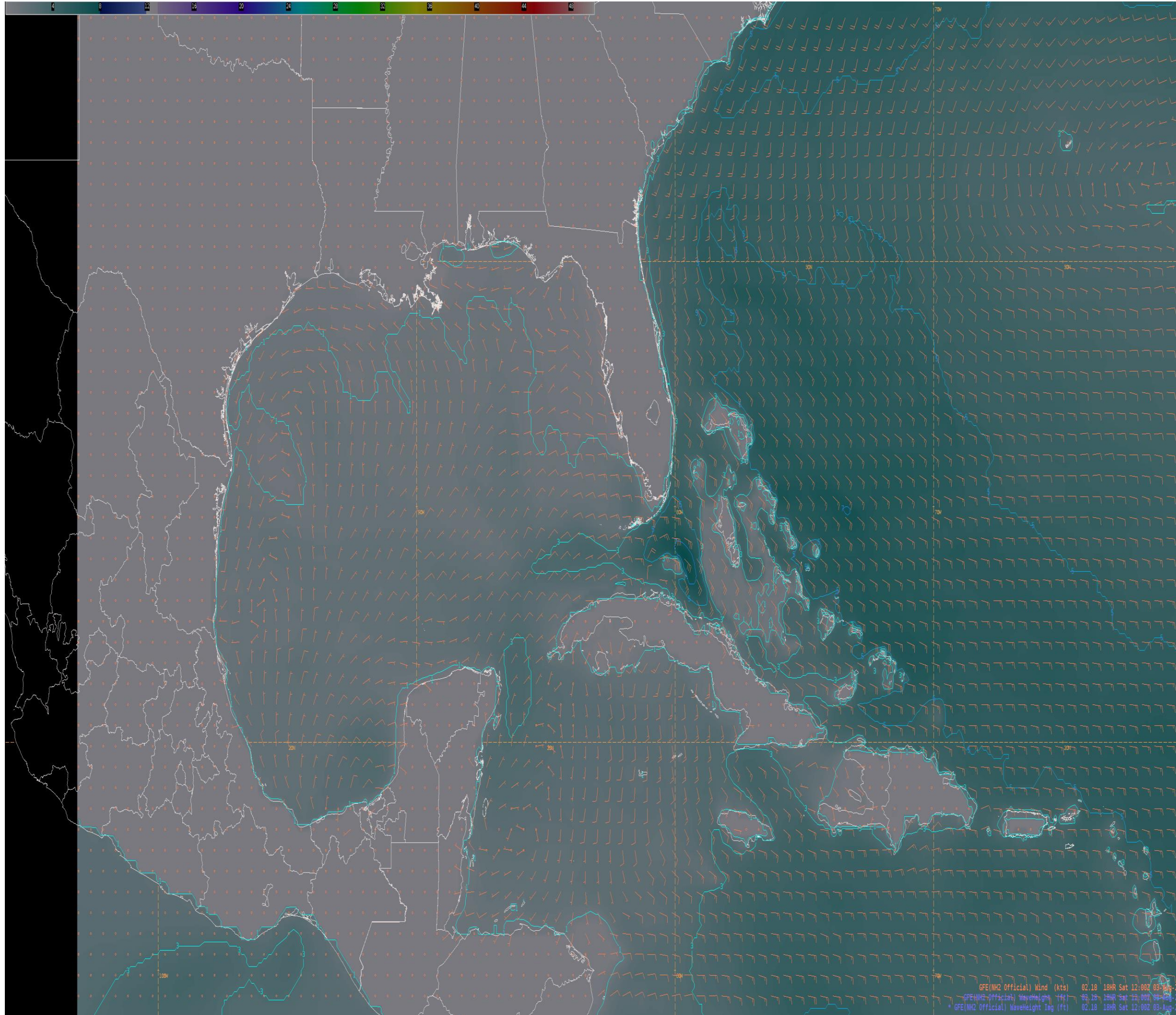
- FLORIDA KEYS SATURDAY AFTERNOON
- TAMPA BAY SUNDAY MORNING
- FLORIDA BIG BEND SUNDAY LATE MORNING
- JACKSONVILLE / GEORGIA SUNDAY NIGHT
- SOUTH CARILINA MONDAY MORNING
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind 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.

Wind And Waves

Potential Tropical Cyclone Four



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24 Hour Forecast

8:00 am EDT Saturday, August 3, 2024

Peak Winds: 30 kt

Peak Seas: 8 ft

Wind And Waves

Potential Tropical Cyclone Four



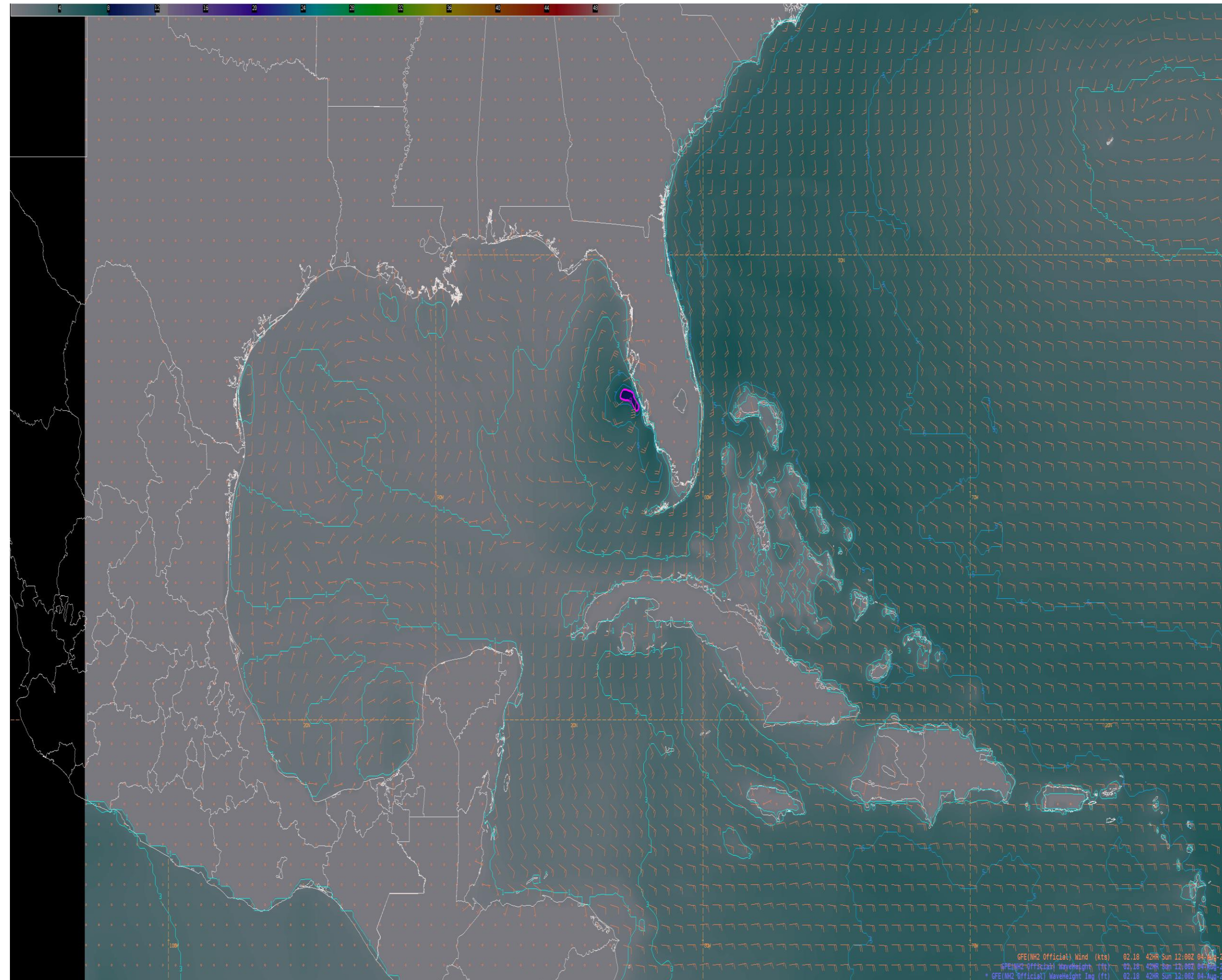
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48 Hour Forecast

8:00 am EDT Sunday, August 4, 2024

Peak Winds: 45 kt

Peak Seas: 13 ft



Wind And Waves

Potential Tropical Cyclone Four



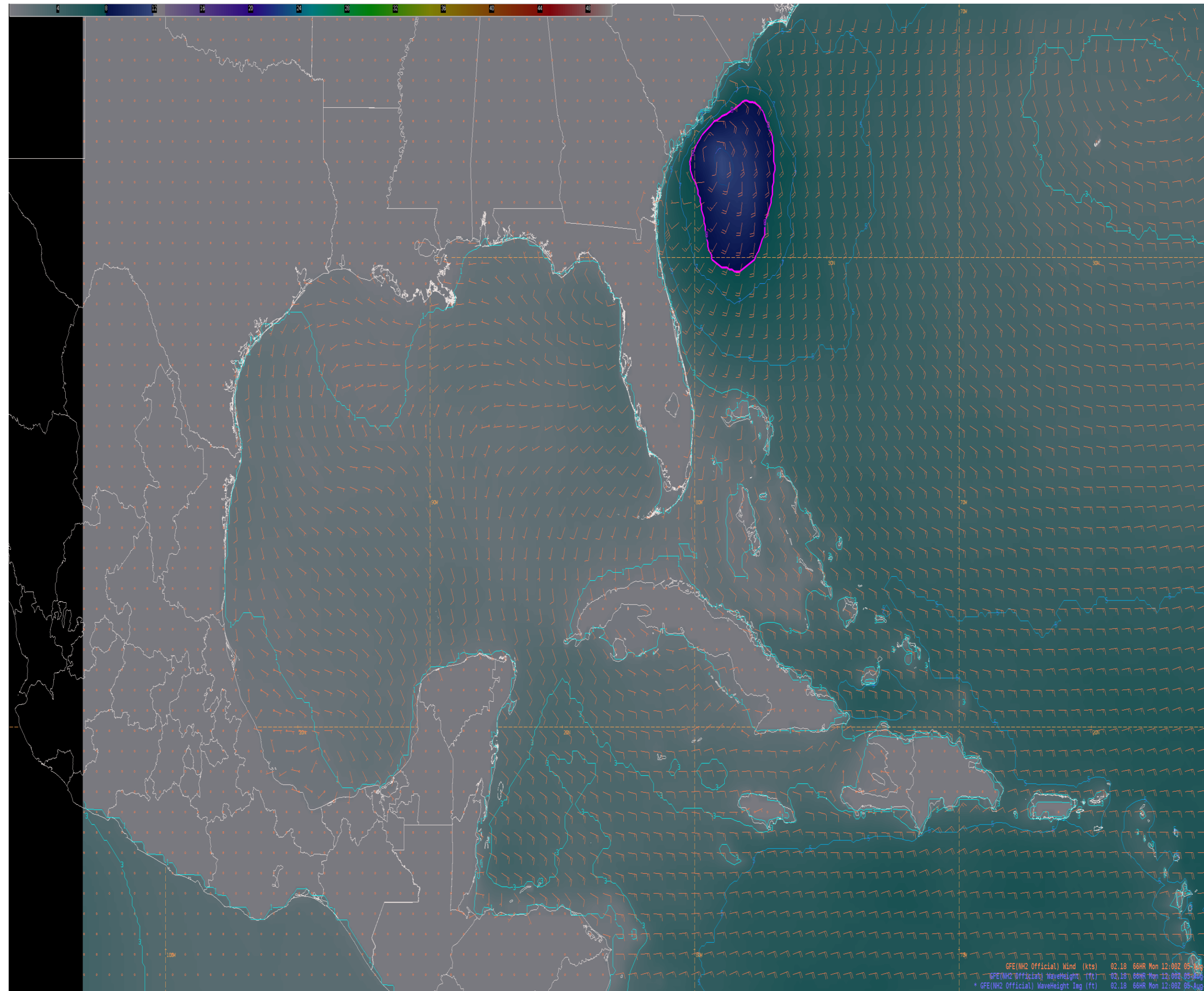
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NWS National Hurricane Center

72 Hour Forecast

8:00 am EDT Monday, August 5, 2024

Peak Winds: 40 kt

Peak Seas: 12 ft

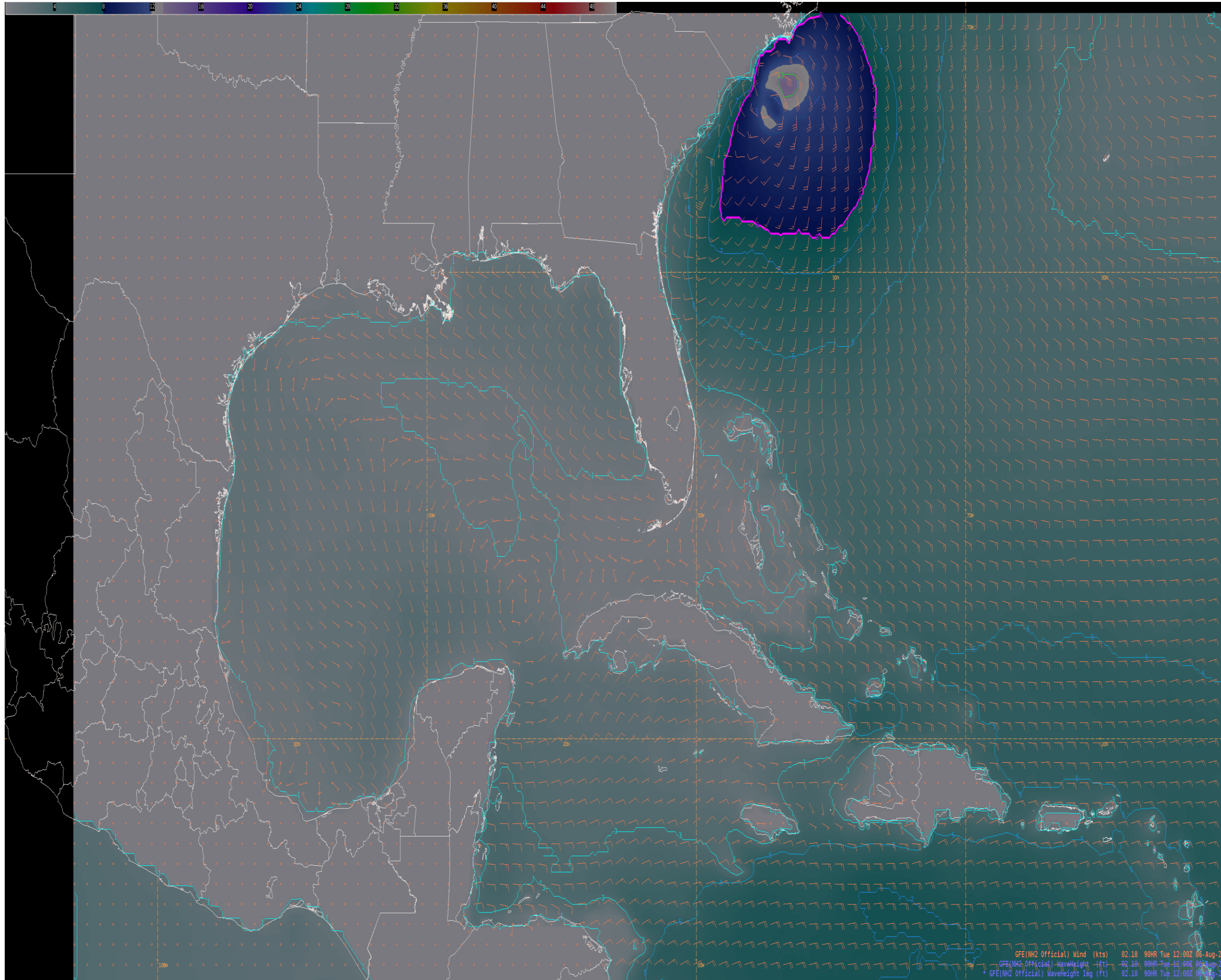


Wind And Waves

Potential Tropical Cyclone Four



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96 Hour Forecast

8:00 am EDT Tuesday, August 6, 2024

Peak Winds: 40 kt

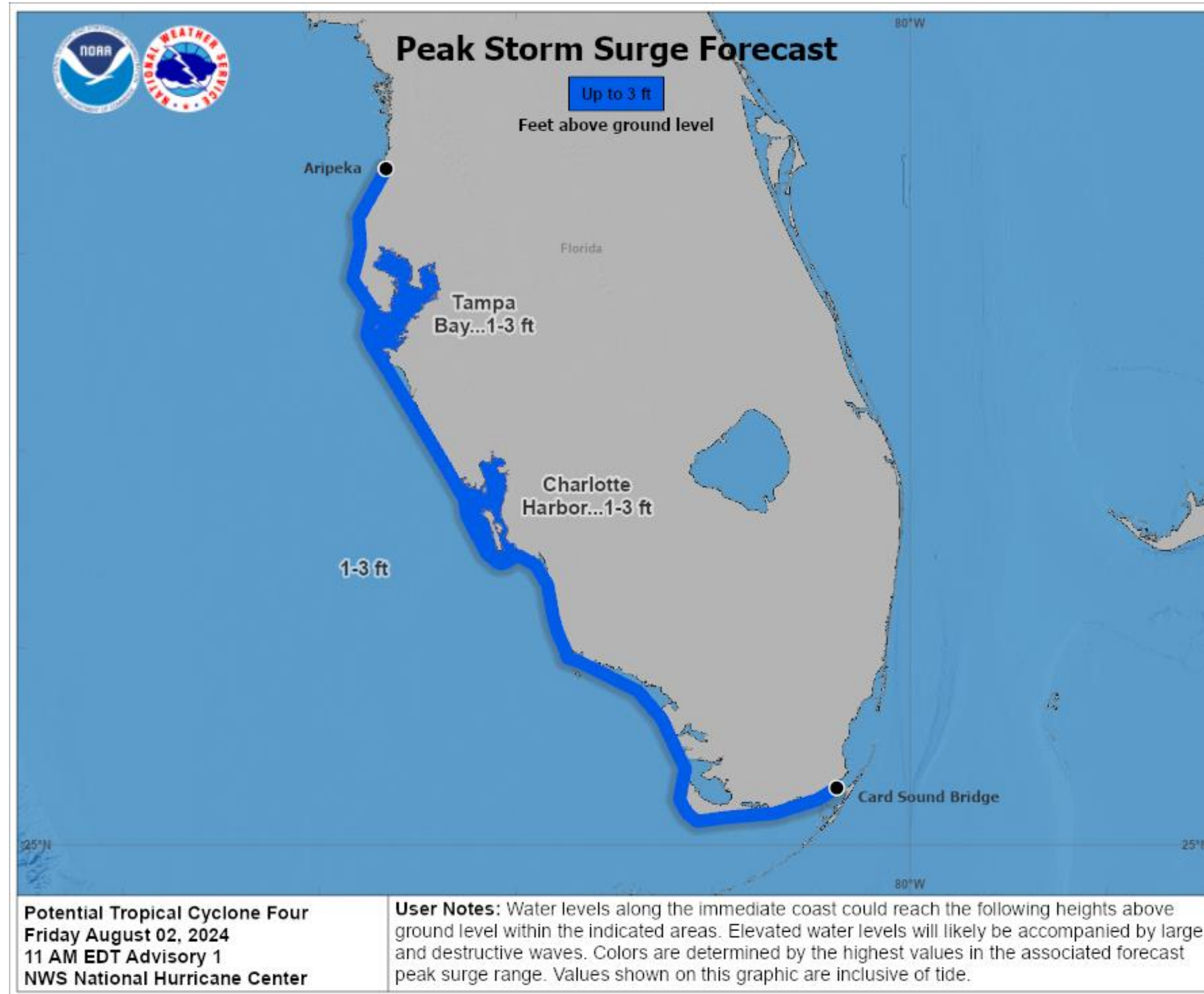
Peak Seas: 14 ft

Potential Peak Storm Surge / Watches and Warnings



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Potential Tropical Cyclone Four

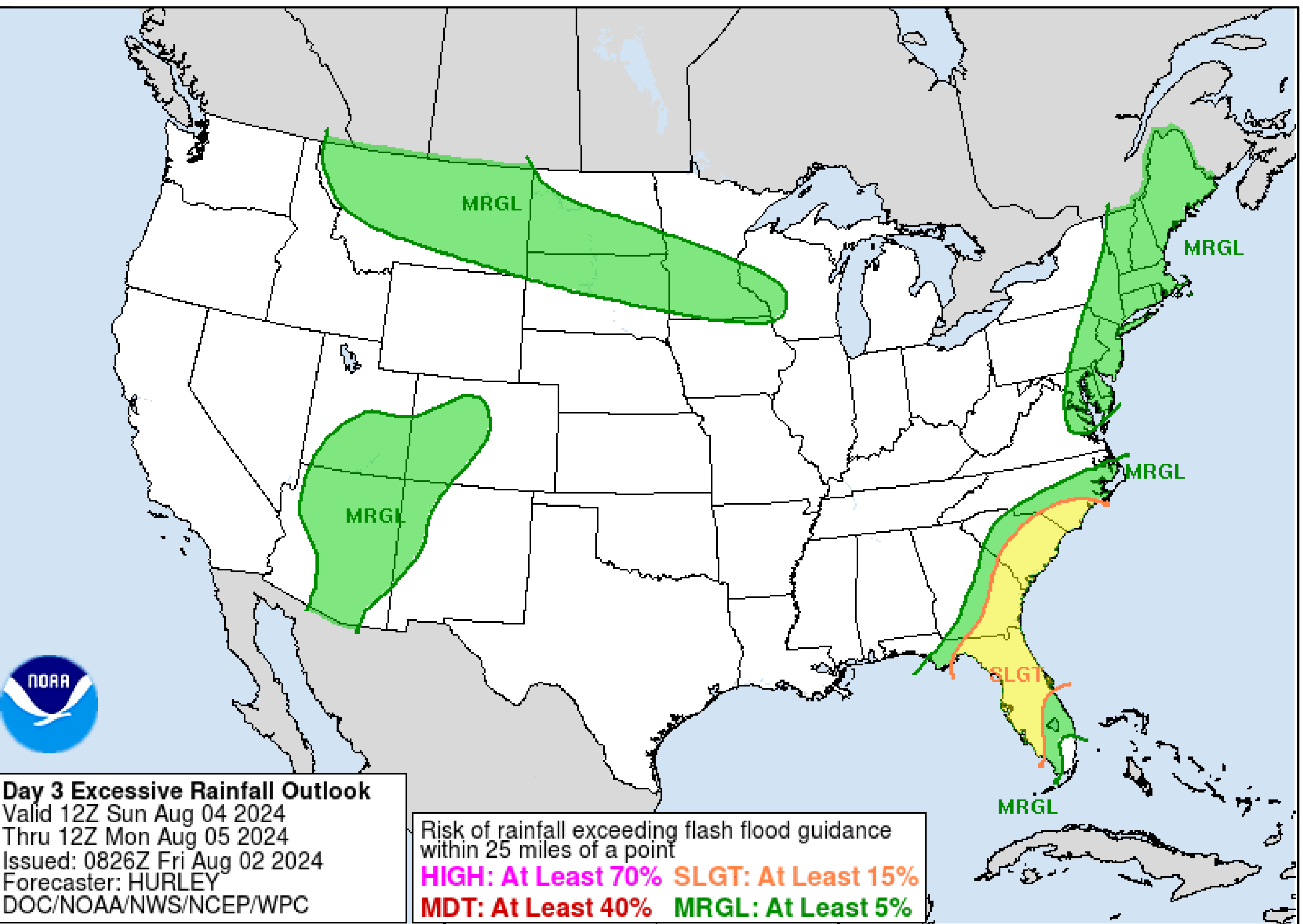
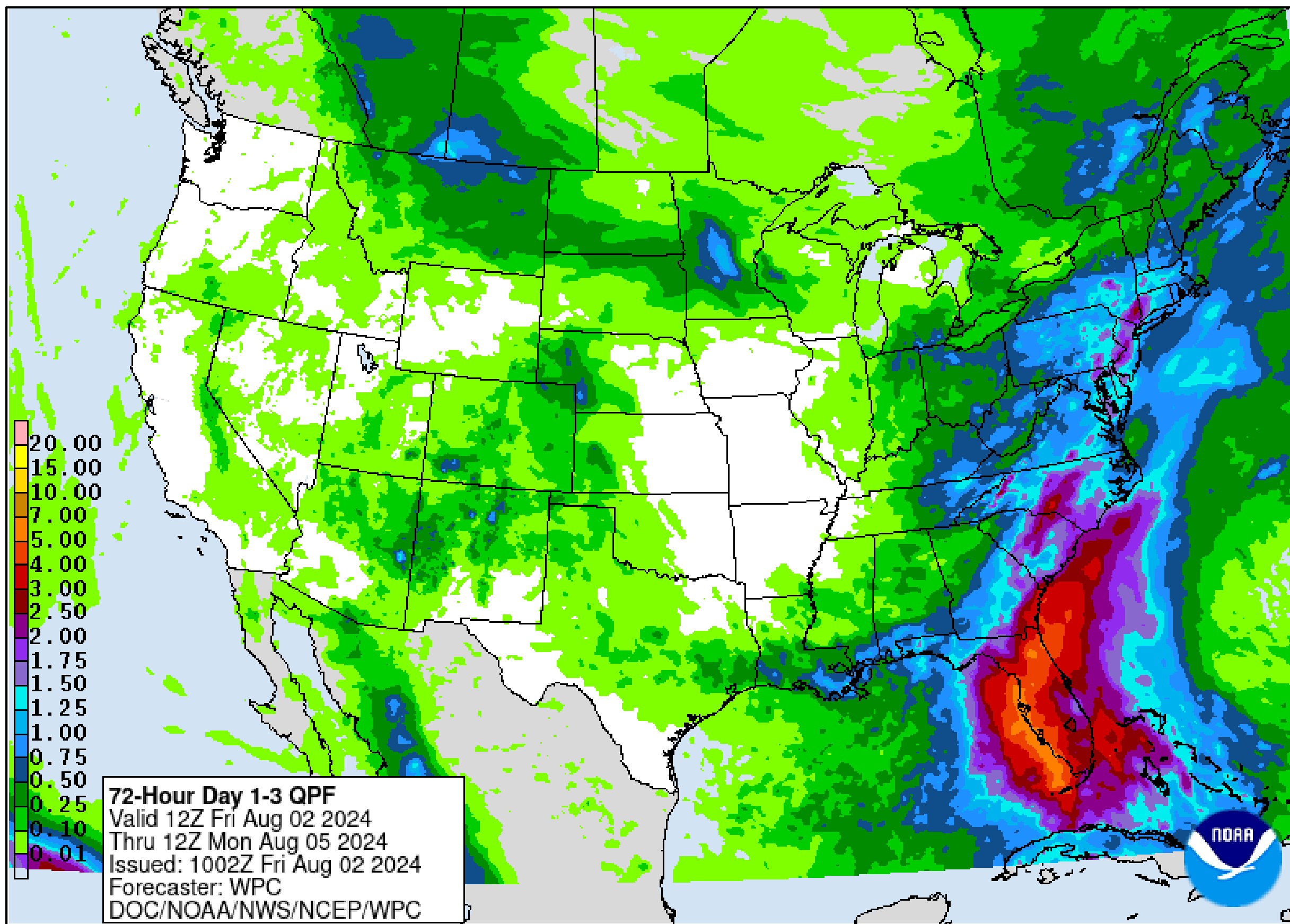


Expected Storm Total Rainfall and Chance of Rainfall Flooding



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Potential Tropical Cyclone Four Images from NWS Weather Prediction Center



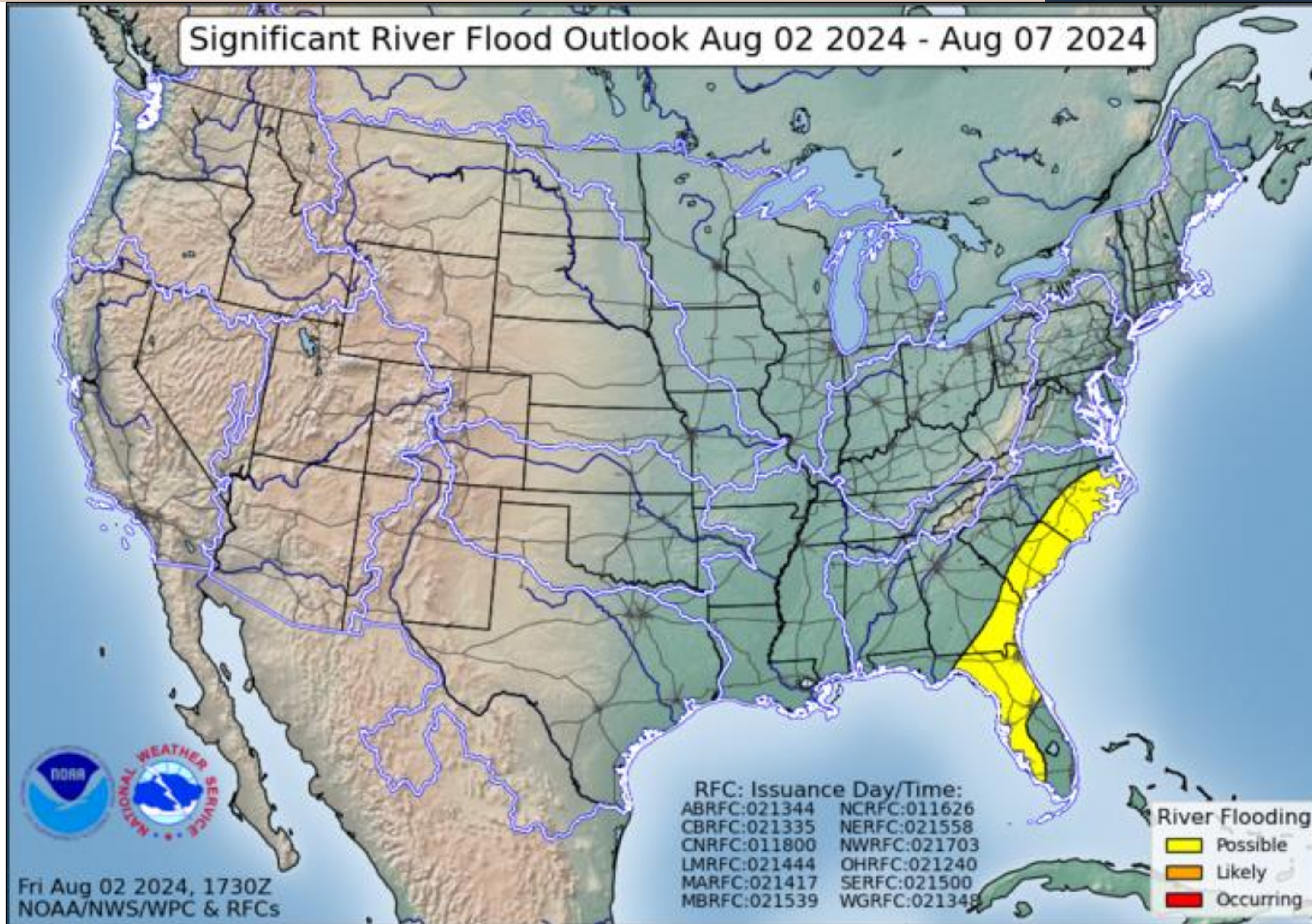
Risk of rainfall exceeding flash flood guidance within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**
Refer to map legend for Valid Time

Flood Outlook

Potential Tropical Cyclone Four



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Key Messages

Potential Tropical Cyclone Four



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Key Messages for Potential Tropical Cyclone Four

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

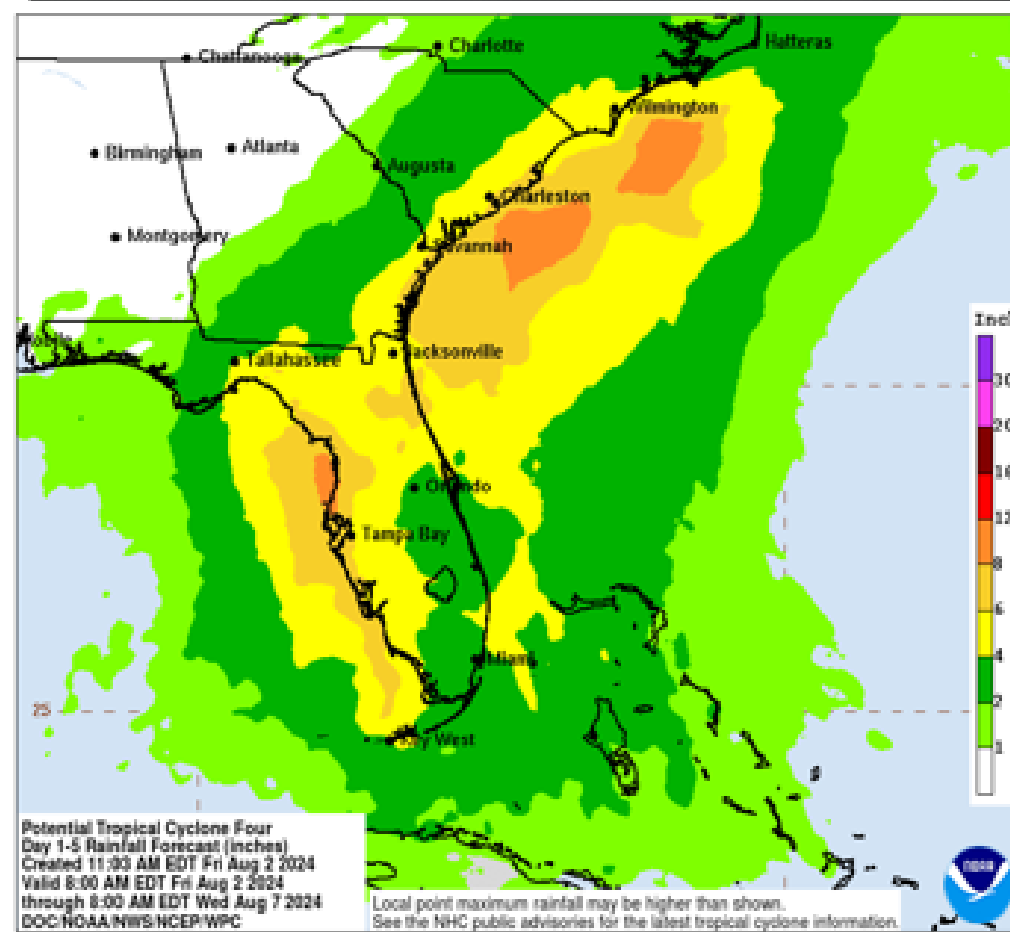
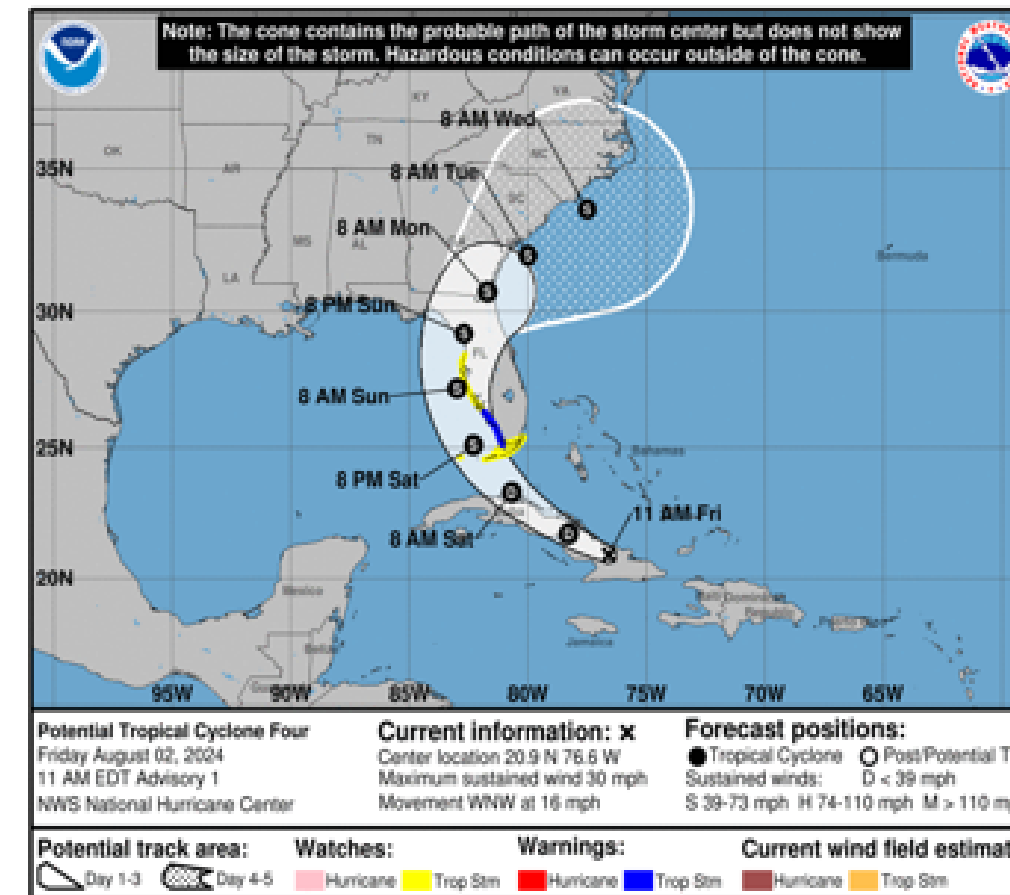


1. Heavy rainfall may result in flash and urban flooding across portions of Florida and the Southeast this weekend through Wednesday morning. Isolated river flooding will also be possible.

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

- Marine Key Messages:
- Tropical Depression Four is likely to form Saturday, either between Cuba and the Florida Keys or over the SE Gulf of Mexico.
- Tropical Storm conditions may be possible over the Florida Keys and its coastal waters Saturday.
- Tropical Storm conditions may be possible over the Tampa Bay area Saturday night into Sunday morning.

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: 5 PM EDT

The Next Briefing Will Be:

Saturday 3:00 PM EDT

You can always find get the latest graphics and information for this storm at www.hurricanes.gov



NHC_TAFB

www.nhc.noaa.gov