

IMPACTS FOR D8

Winds/US Coast – High

Winds/SRR – High

Waves/US Coastal – High

Waves/SRR – High

through next 5 days

US Storm Surge – Extreme

US Rainfall/Flash Flooding – High

US Tornadoes – Low

HURRICANE FRANCINE BRIEFING



11:00 AM CDT
Wednesday, September 11, 2024

Prepared by:
Nelsie Ramos

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

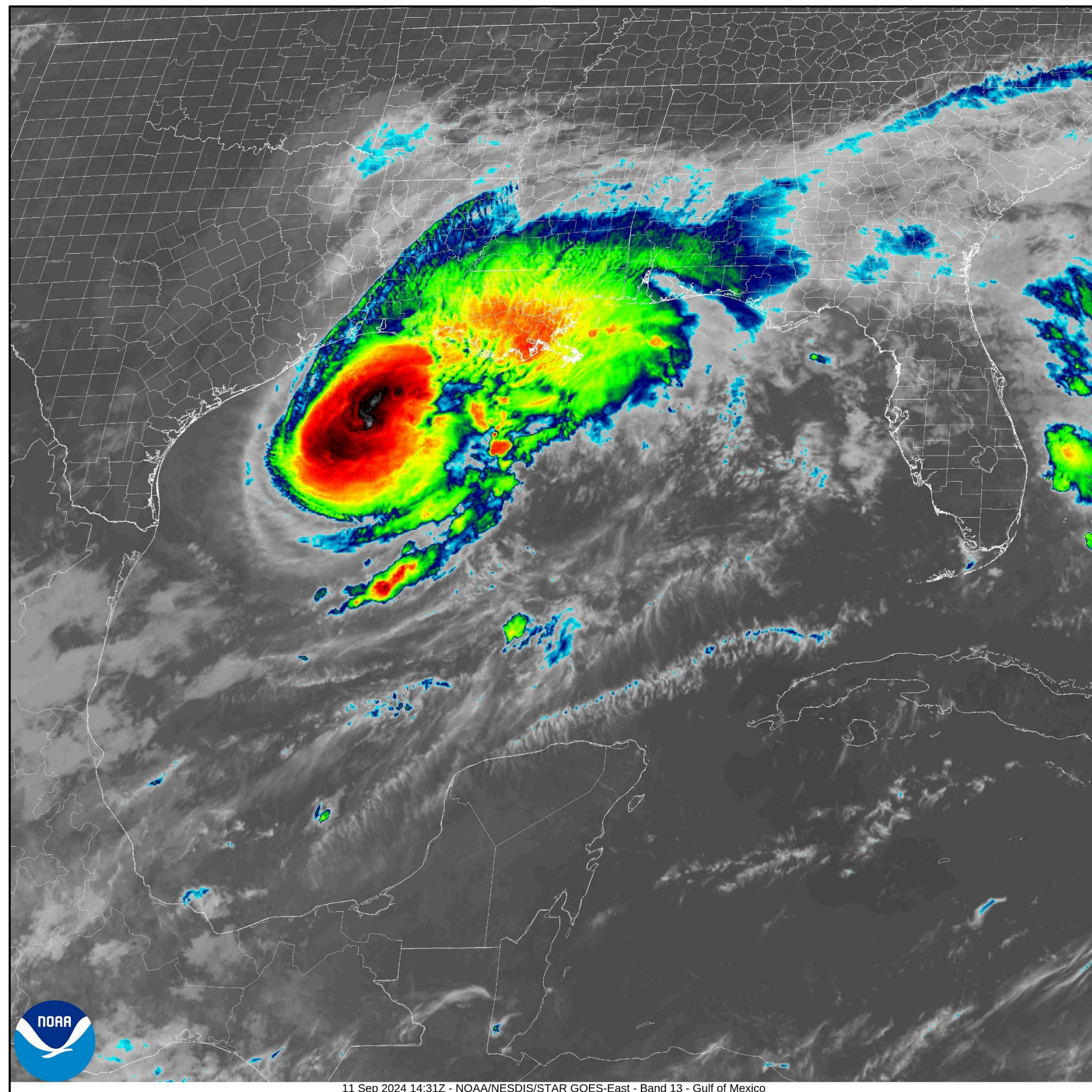


Current Satellite View

Hurricane Francine



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NWS National Hurricane Center

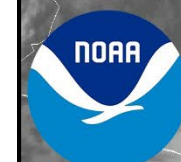


...FRANCINE MOVING NE TOWARD THE LOUISIANA COAST...LIFE-THREATENING STORM SURGE AND HURRICANE-FORCE WINDS EXPECTED TO BEGIN IN LOUISIANA THIS AFTERNOON...

SUMMARY OF 1000 AM CDT...1500 UTC...INFORMATION

LOCATION...28.0N 92.7W
ABOUT 150 MI... 130 NMI SW OF MORGAN CITY
LOUISIANA
ABOUT 210 MI...180 NMI SW OF NEW ORLEANS
LOUISIANA
MAXIMUM SUSTAINED WINDS...80 KT
PRESENT MOVEMENT...NE AT 11 KT
MINIMUM CENTRAL PRESSURE...976 MB

12 FT SEAS..120NE 150SE 90SW 75NW
PEAK SEAS 27 FT



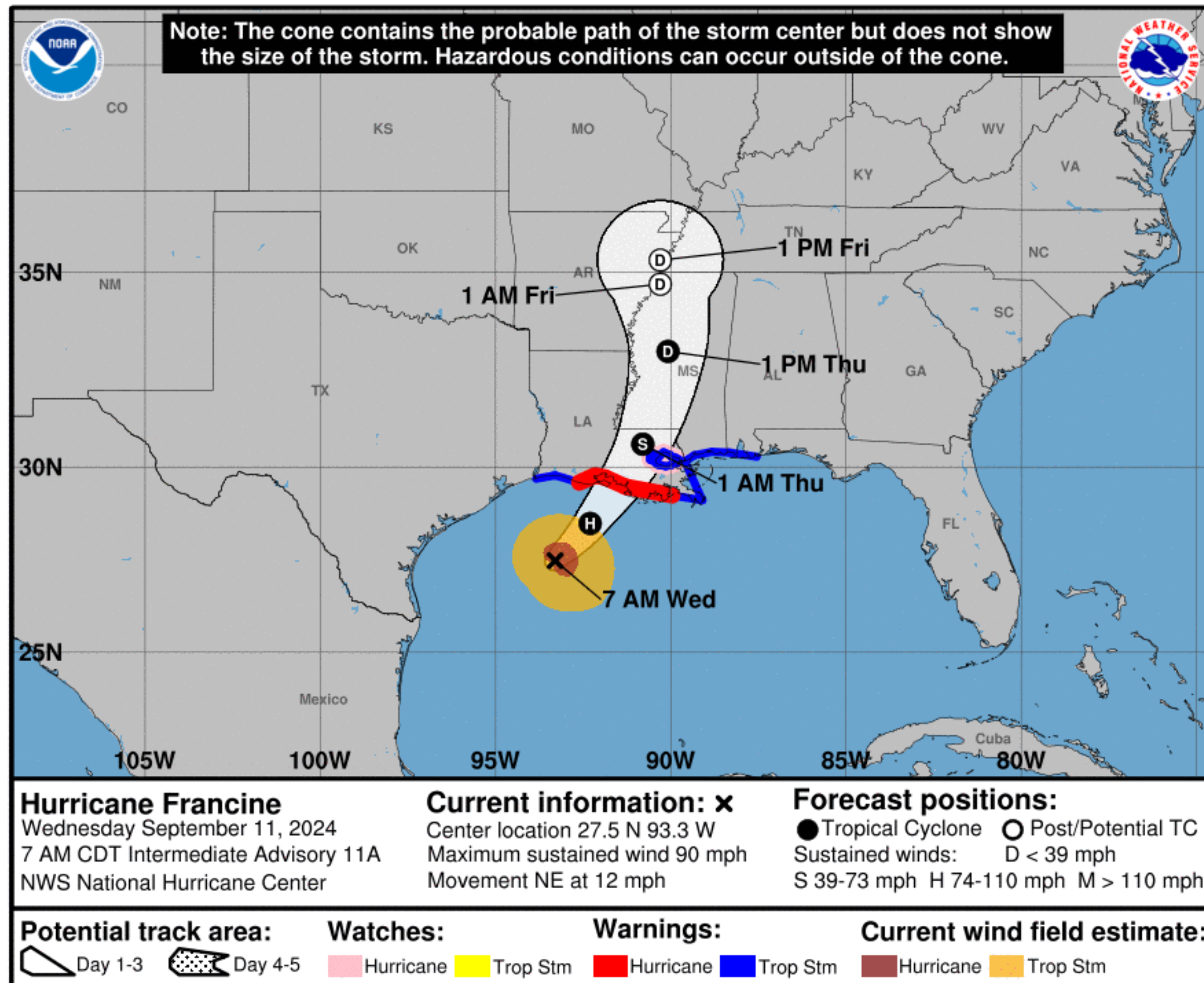
11 Sep 2024 14:31Z - NOAA/NESDIS/STAR GOES-East - Band 13 - Gulf of Mexico

Forecast Information

Hurricane Francine



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- A faster northeastward motion is expected this afternoon, and Francine is anticipated to make landfall in Louisiana within the warning area late this afternoon or this evening.
- Little change in strength is expected before landfall. Francine is expected to rapidly weaken after landfall, and the system is forecast to become post-tropical on Thursday.

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

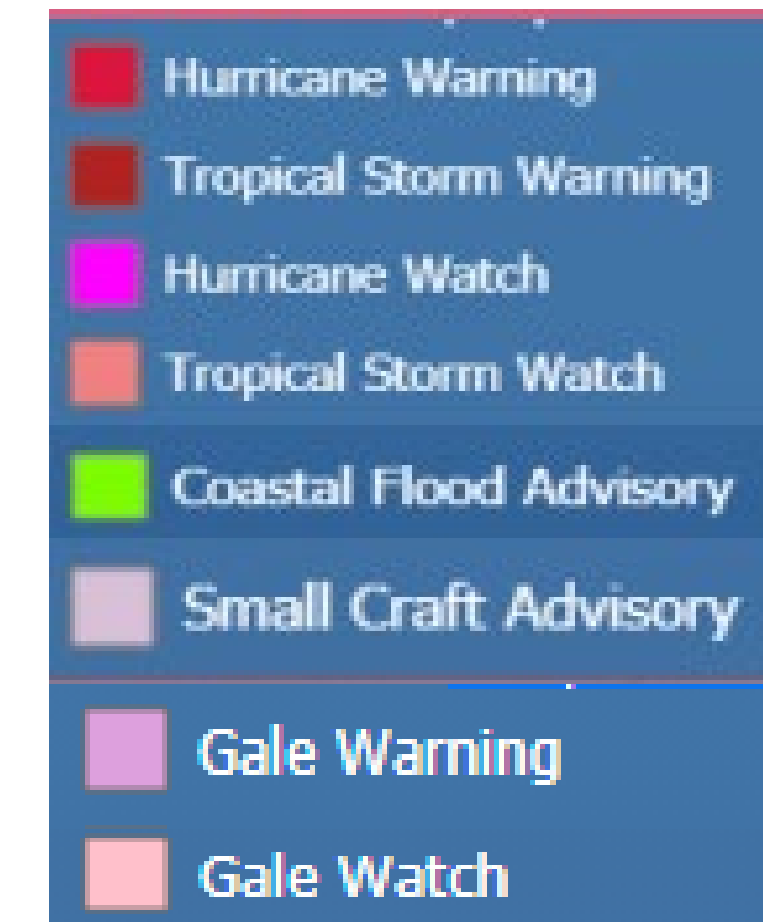
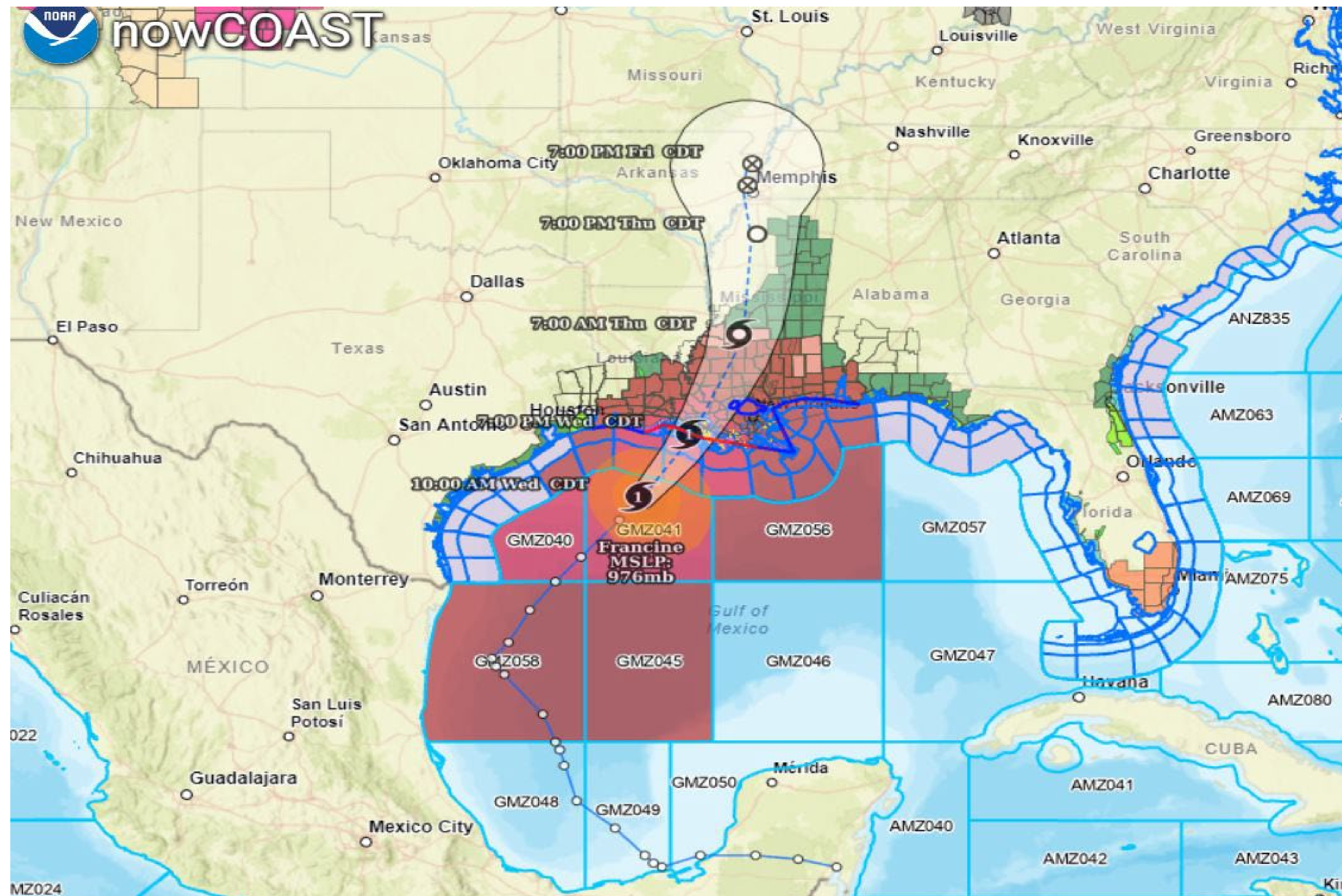
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Hazards Map

Hurricane Francine



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T.S. Wind Speed Probabilities

Hurricane Francine



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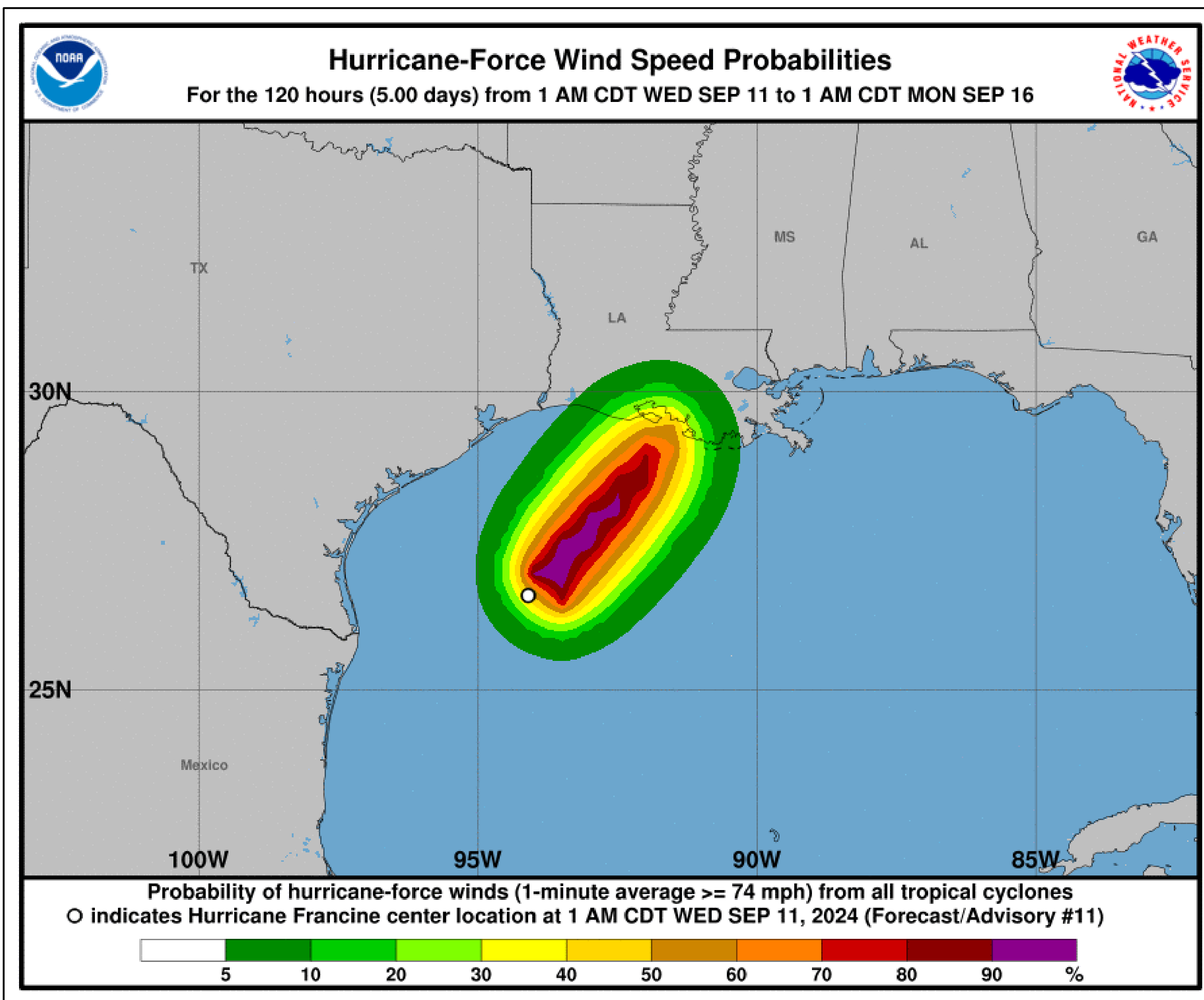
- New Orleans 85%
 - New Iberia, LA 90%
 - Lafayette 75%
 - Morgan City 100%
 - Baton Rouge 95%
 - Houma 95%
 - Jackson, MS 20%
-
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
 - Clear or dark green are the 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

Hurricane Francine



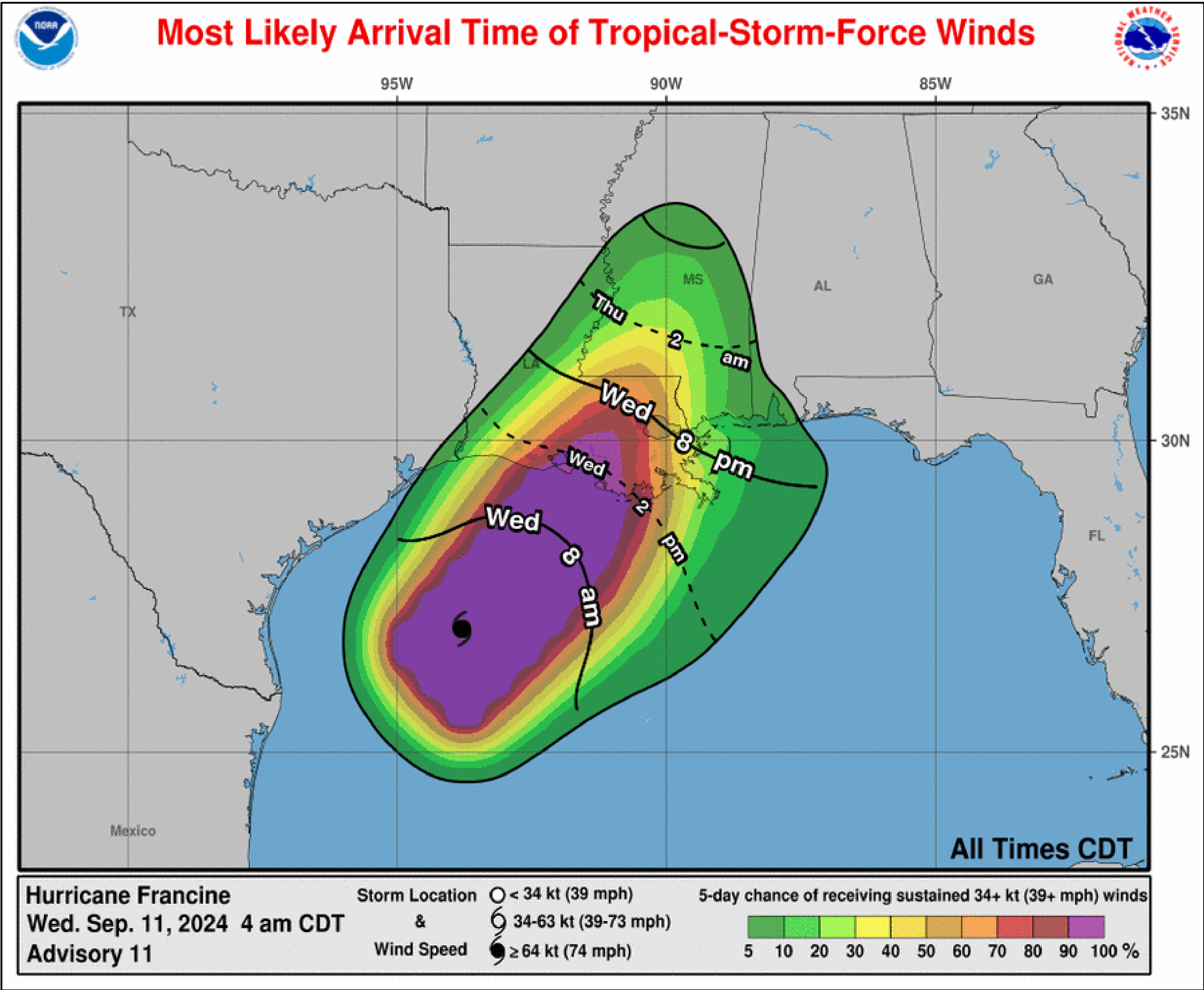
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- Houma, LA 15%
 - Baton Rouge 15%
 - Morgan City 35%
 - New Iberia, LA 15%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
 - Clear or dark green are the lowest chances 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.



Hurricane Francine



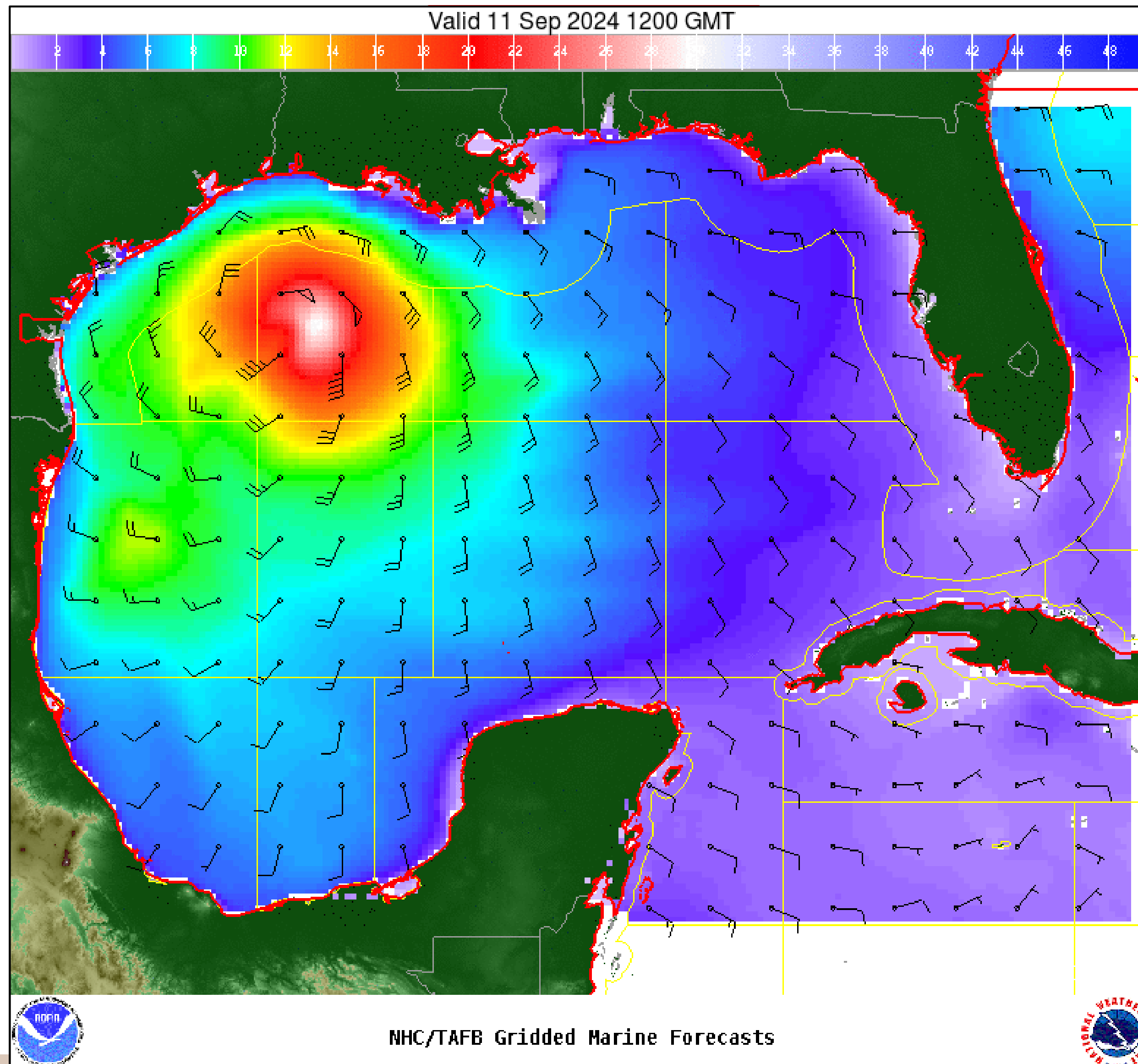
- Central Louisiana – Currently
- SE Louisiana – This afternoon
- Mississippi – This evening
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to 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

Hurricane Francine



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Current Conditions

September 11 7am CDT

Peak Winds: 80 kt

Peak Seas: 27 ft

■ Wave heights are in feet



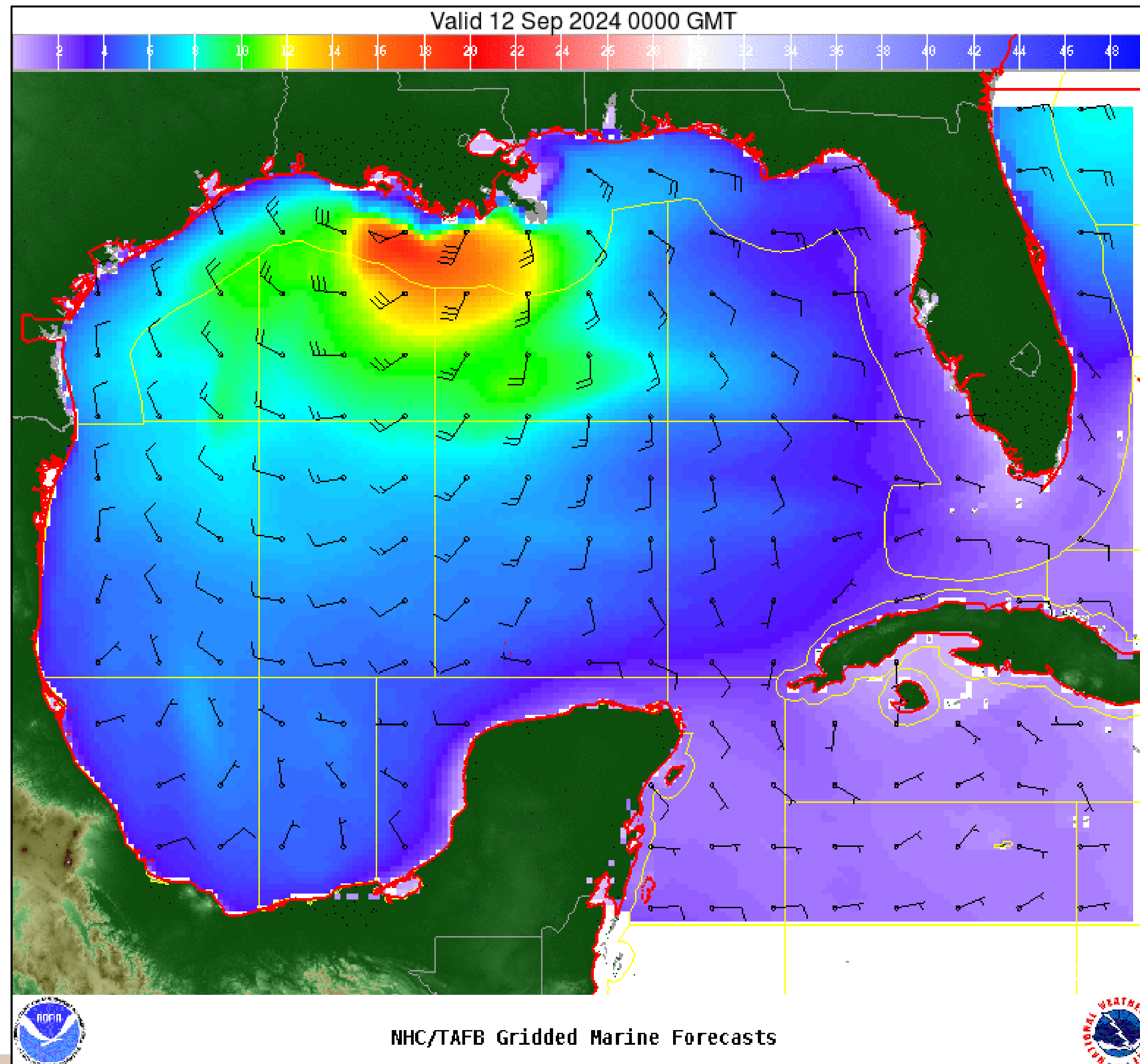
Significant Wave Height (ft)

Wind And Waves

Hurricane Francine



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12 Hour Forecast

This evening September 11 7pm CDT

Peak Winds: 80 kt

Peak Seas: 20 ft

■ Wave heights are in feet



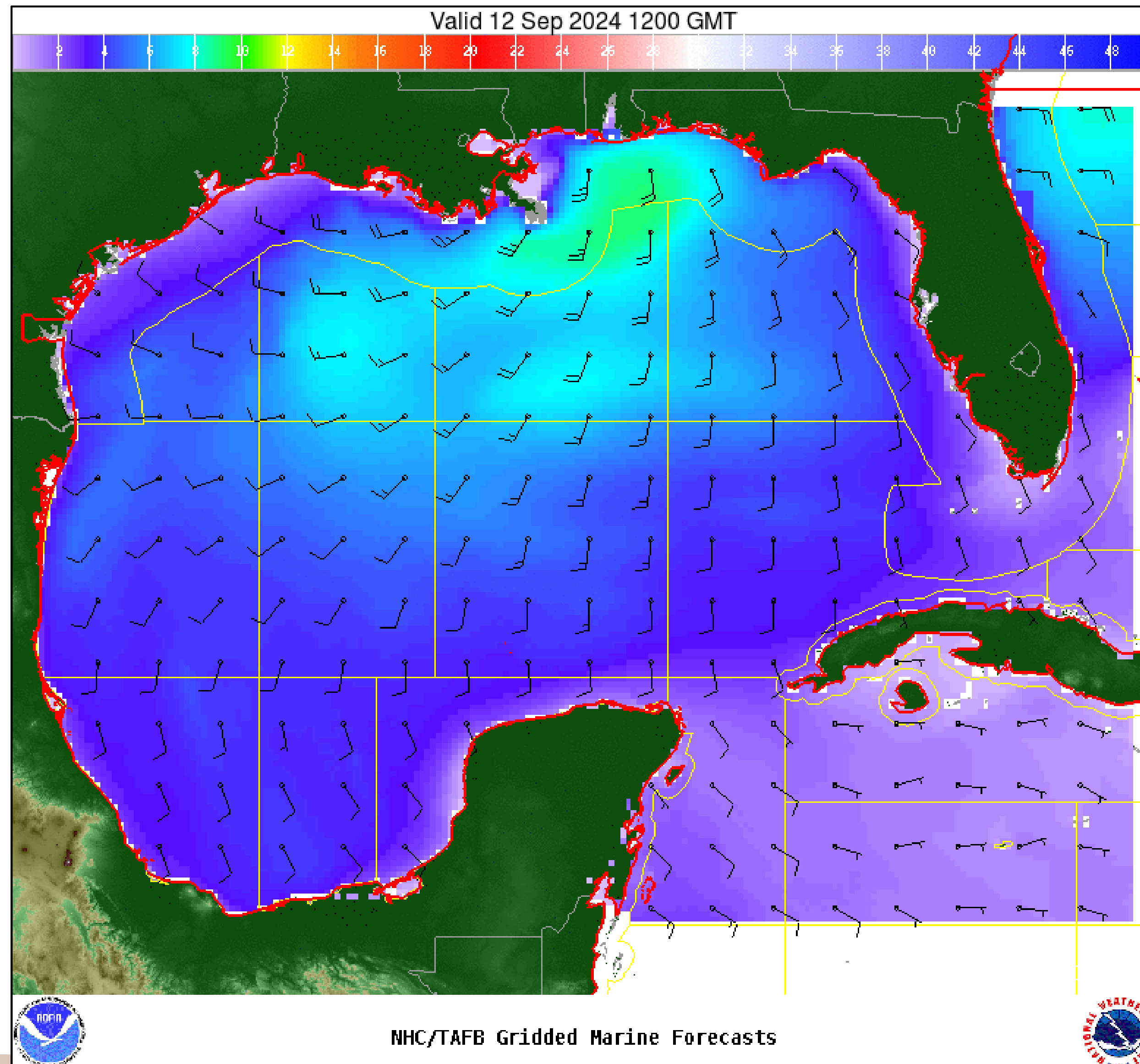
Significant Wave Height (ft)

Wind And Waves

Hurricane Francine



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24 Hour Forecast

Thursday September 12 at 7am CDT

Peak Winds: 40 kt

Peak Seas: 12 ft

■ Wave heights are in feet



Significant Wave Height (ft)

Tropical Storm Wind Time of Departure

Hurricane Francine



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▪ **MOST LIKELY**

- NEW ORLEANS LA – Midnight tonight
- HOUMA LA – Midnight tonight
- BATON ROUGE LA – Early morning Thursday
- MORGAN CITY LA – Midnight tonight
- LAFAYETTE LA - Midnight tonight
- NEW IBERIA LA – Midnight tonight

▪ **LATEST REASONABLE**

- NEW ORLEANS LA – Early morning Thursday
- HOUMA LA – Midnight tonight
- BATON ROUGE LA – Early morning Thursday
- MORGAN CITY LA – Midnight tonight
- LAFAYETTE LA - Early morning Thursday
- NEW IBERIA LA – Early morning Thursday

Potential Storm Surge

Hurricane Francine

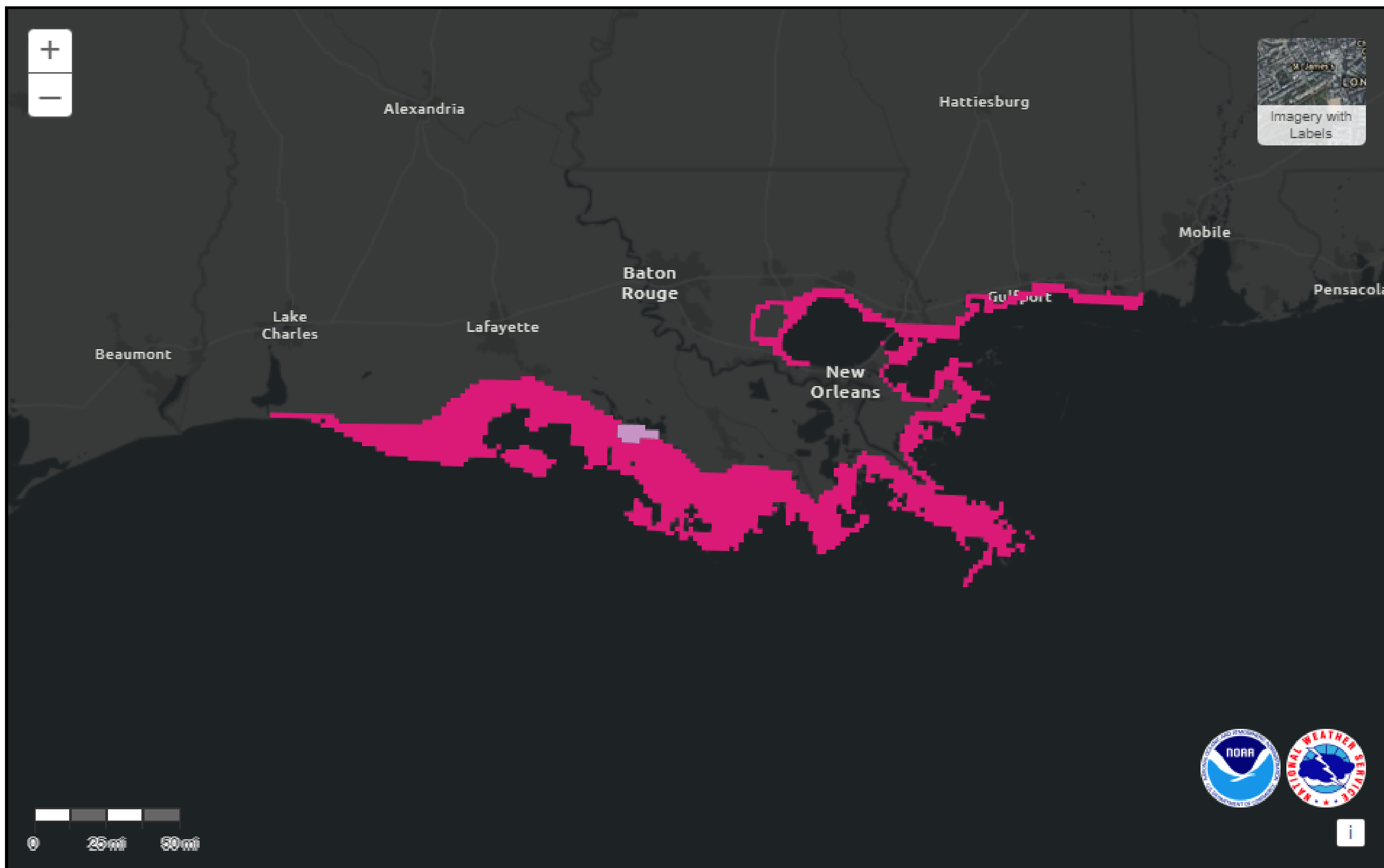




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Hurricane Francine

Advisory 12 — Issued: 10:00 AM CDT Wed Sep 11



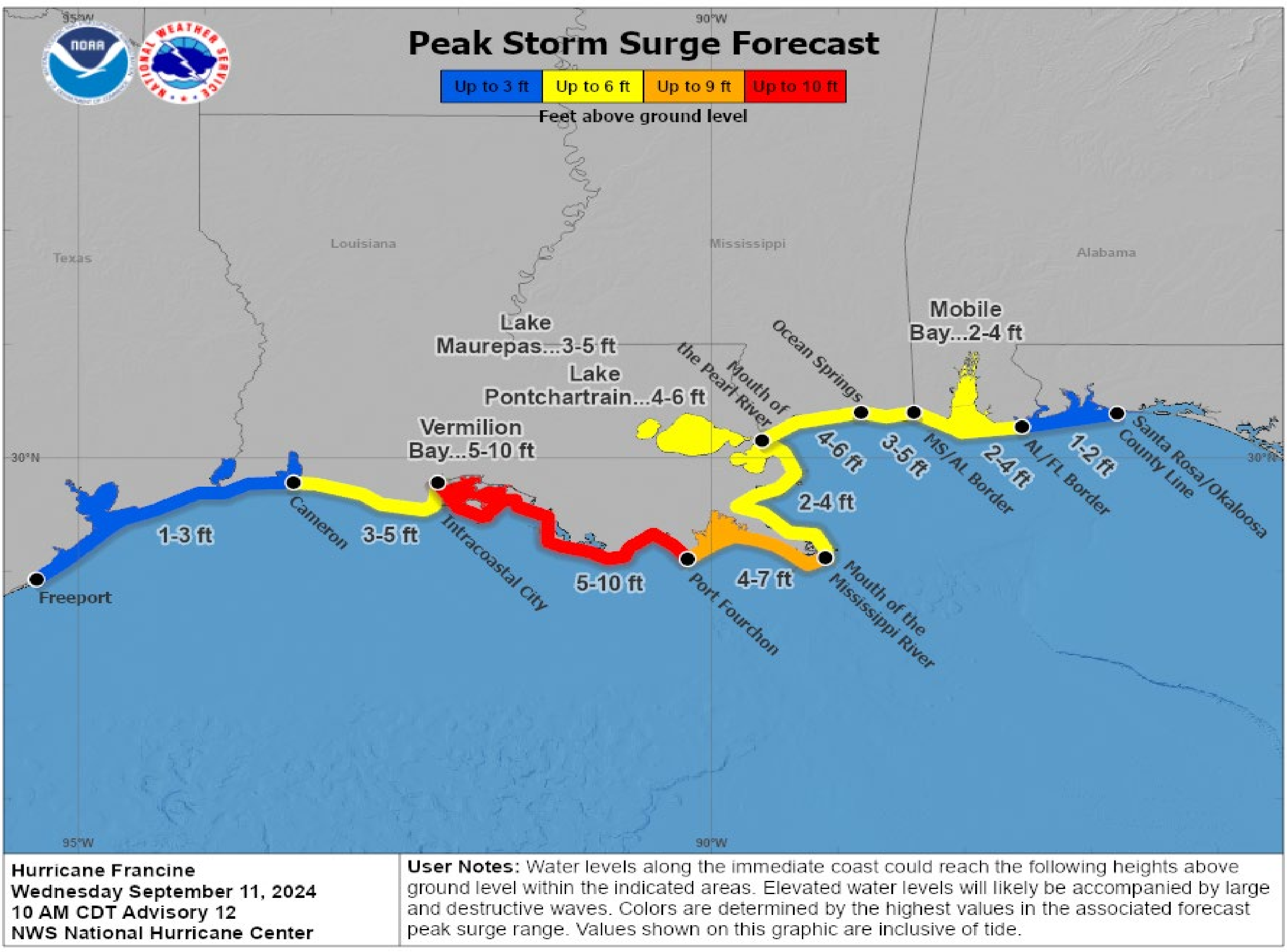
 Storm Surge Warning
 Storm Surge Watch

Potential Peak Storm Surge / Watches and Warnings

Hurricane Francine



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



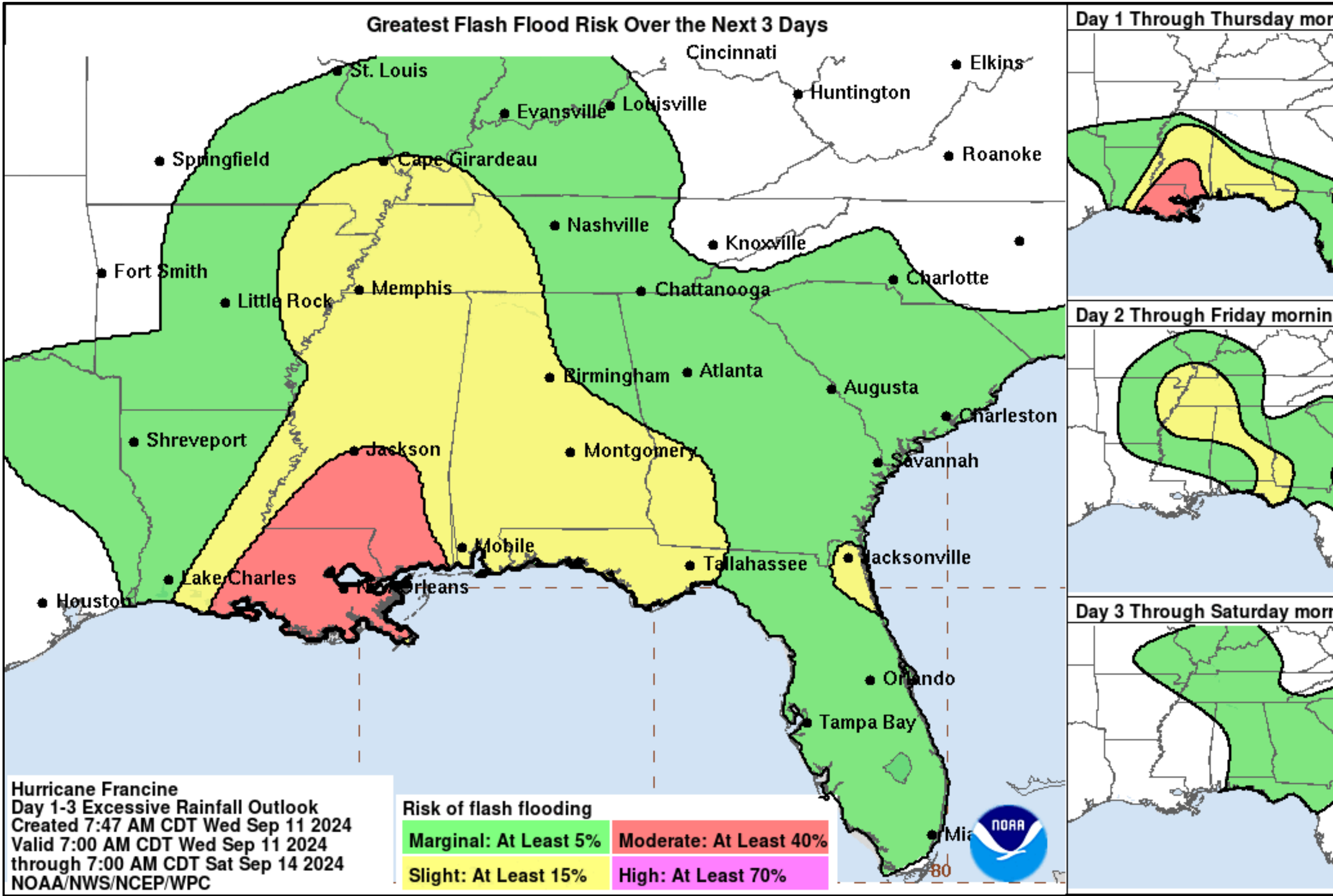
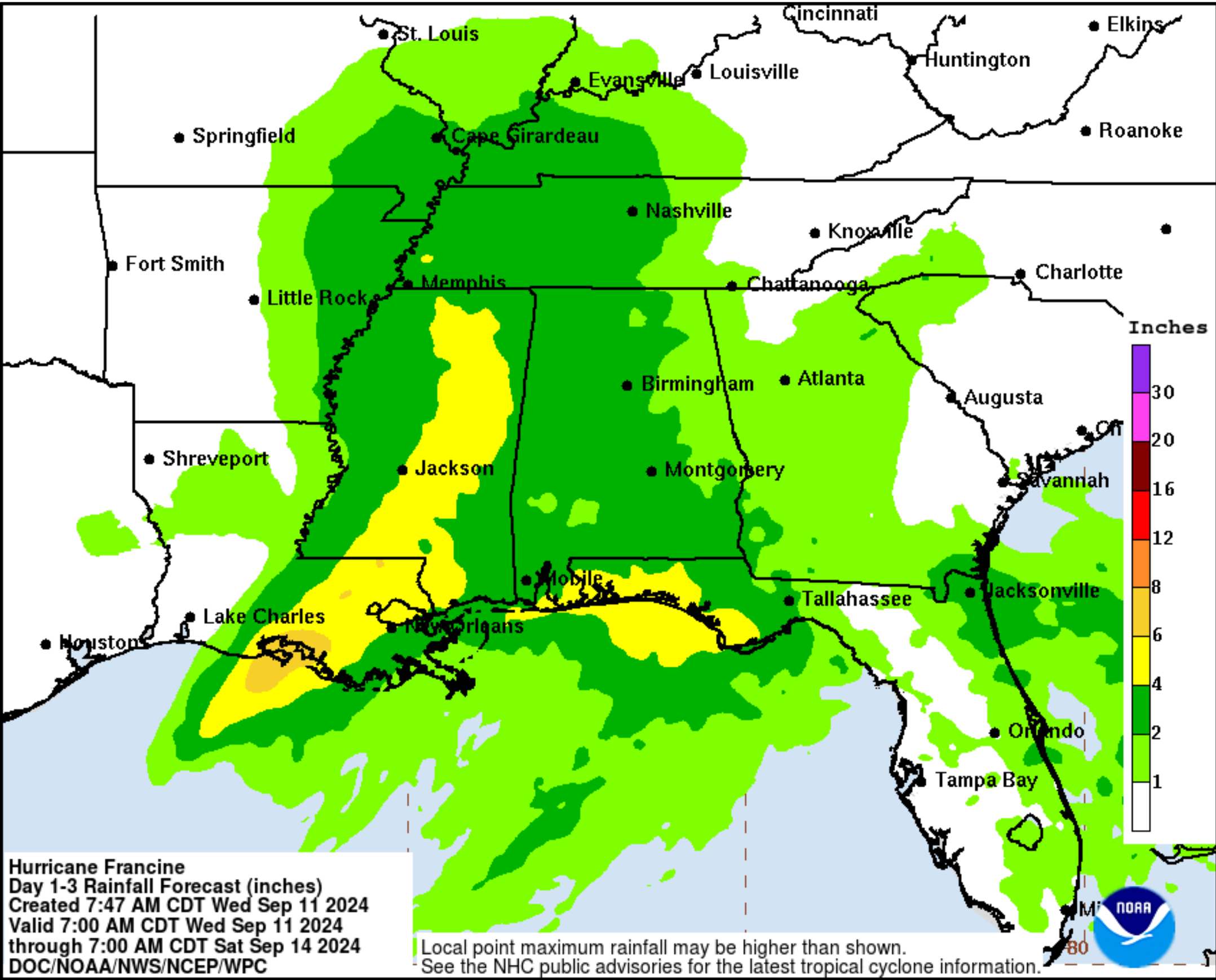
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Francine

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%**

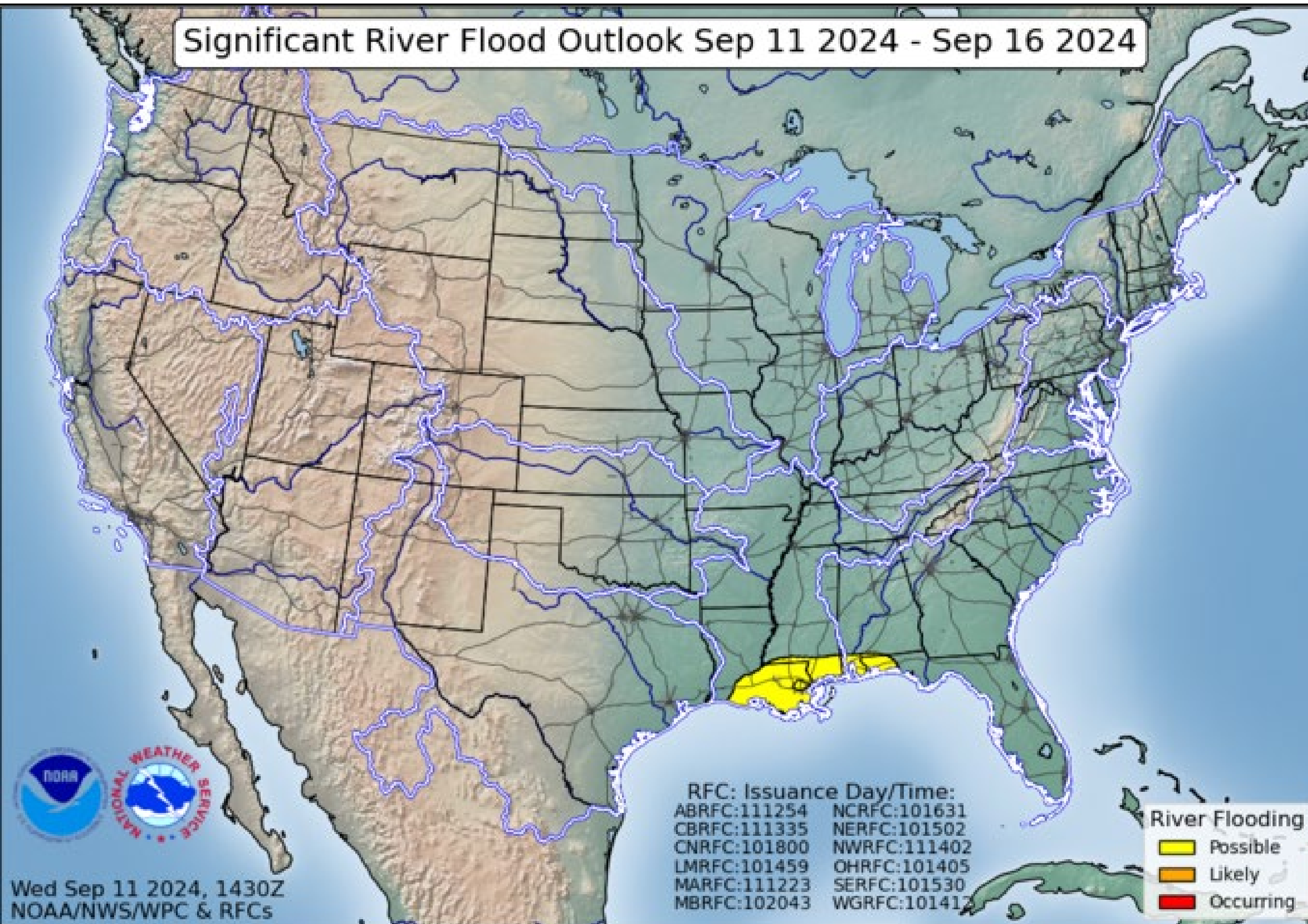
Refer to map legend for Valid Time

Flood Outlook

Hurricane Francine



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NWS National Hurricane Center



Possible River Flooding in LA, MS, AL, and FL

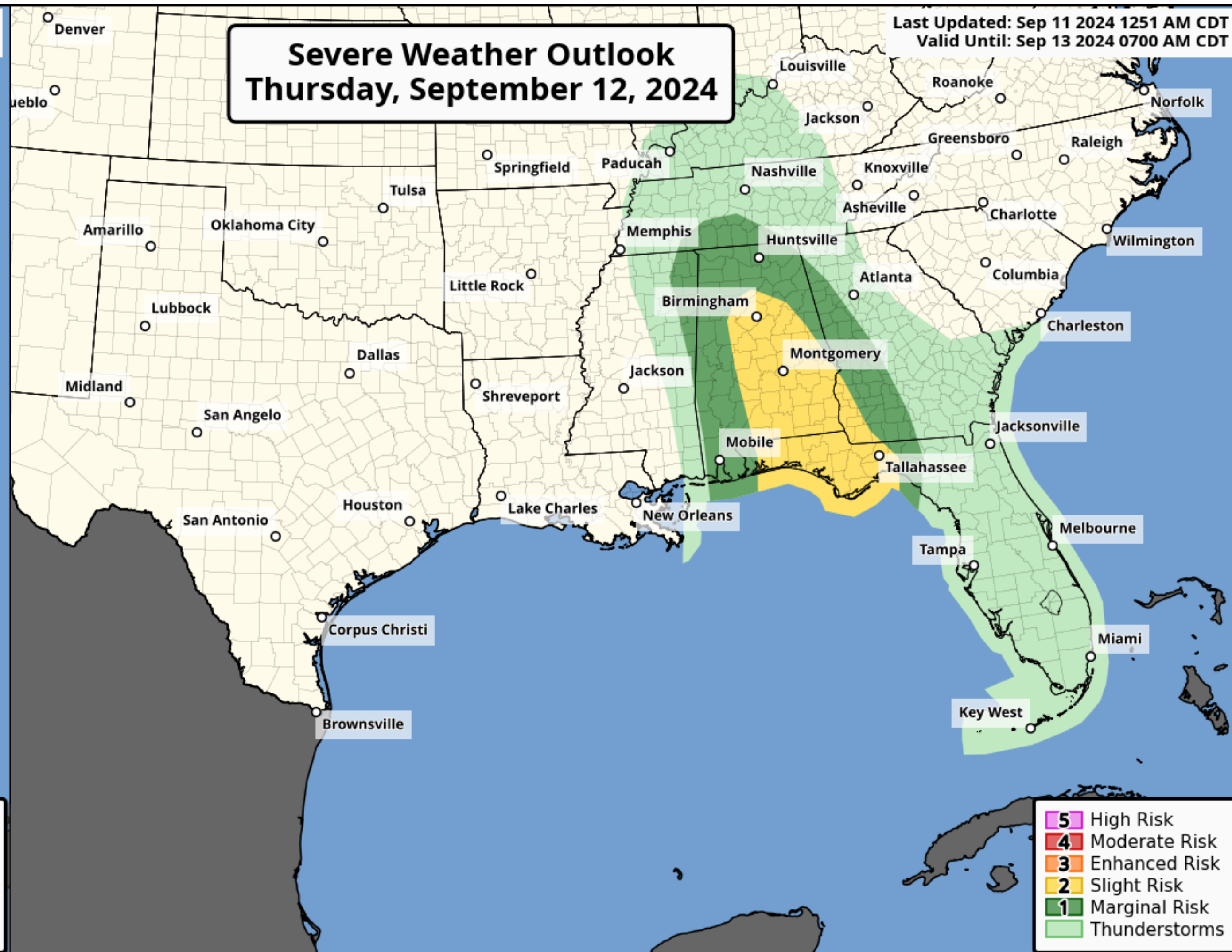
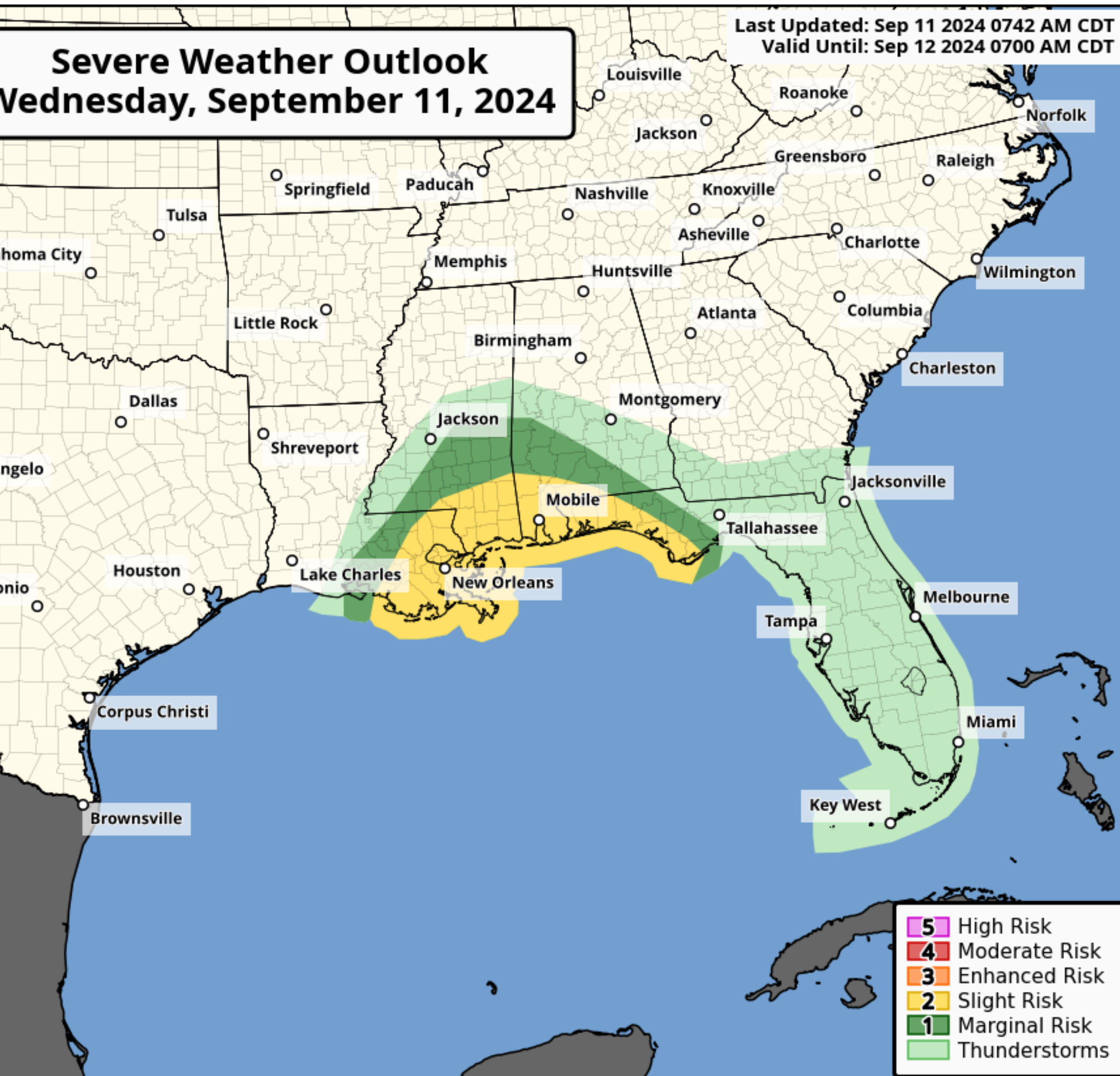
Tornado Outlook – Day 1 & 2

Hurricane Francine

Image from NWS Storm Prediction Center



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NWS National Hurricane Center



Key Messages

Hurricane Francine



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NWS National Hurricane Center



Key Messages for Hurricane Francine

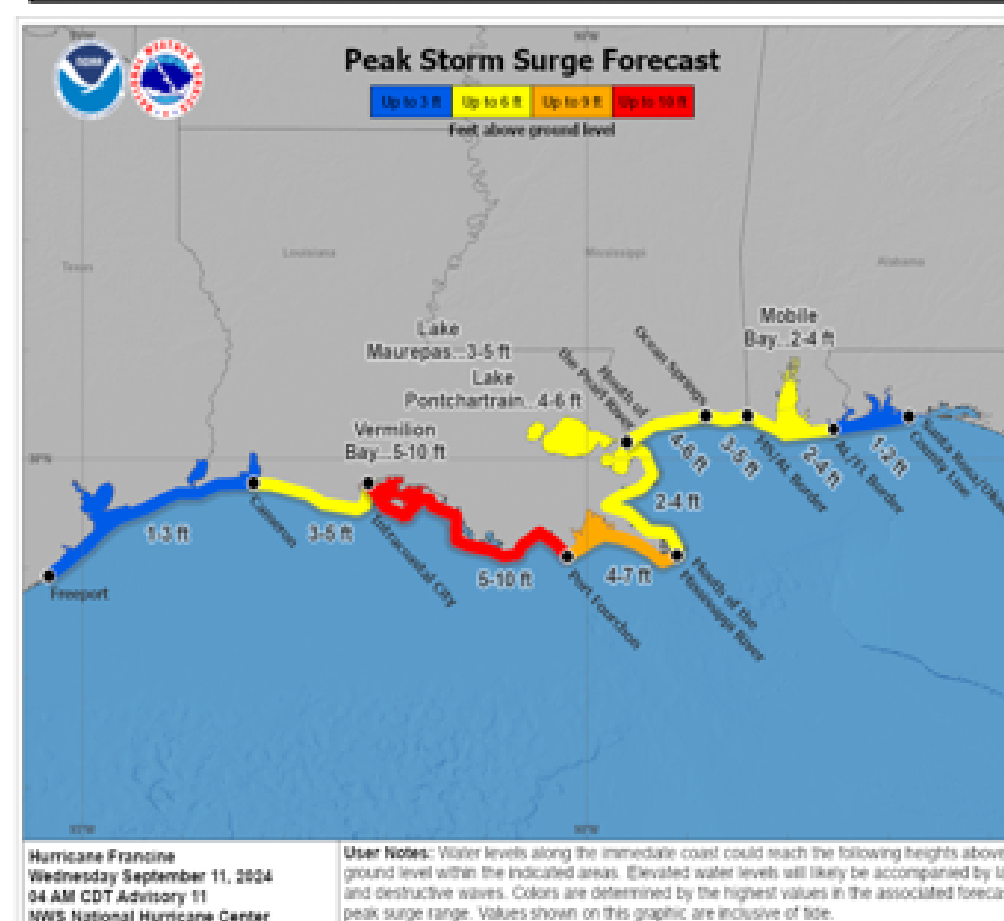
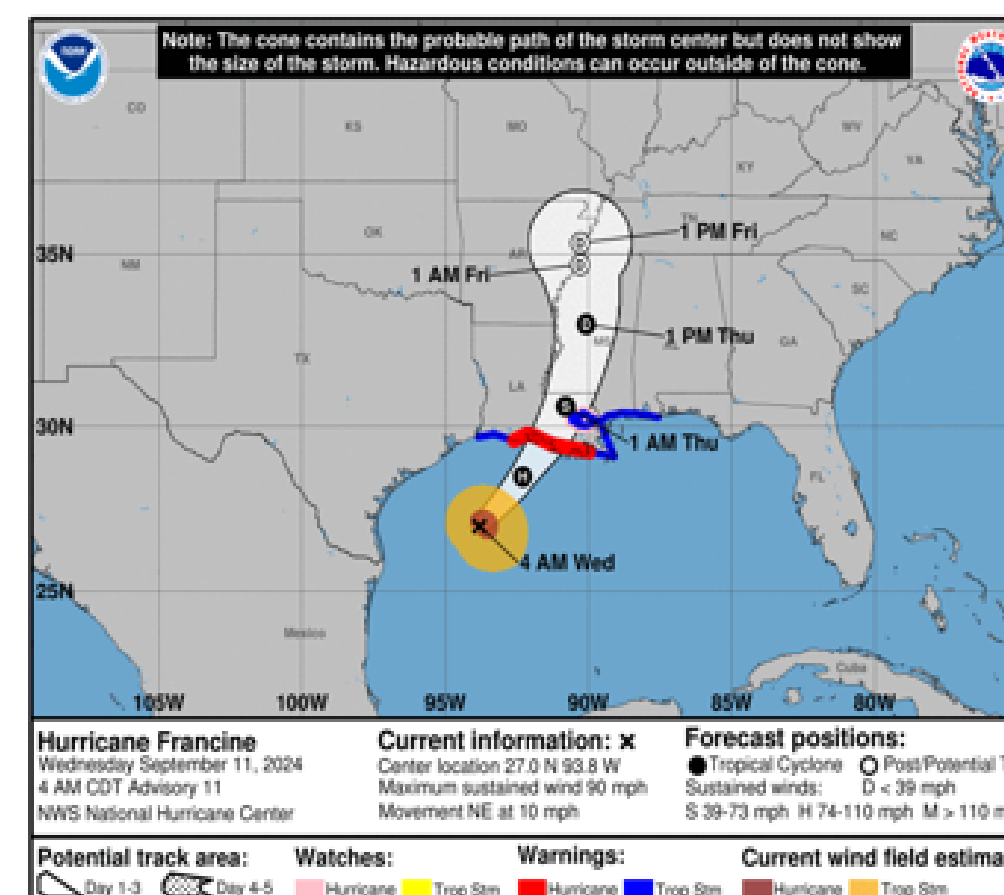
Advisory 11: 4:00 AM CDT Wed Sep 11, 2024



1. There is a danger of life-threatening storm surge today for the Louisiana and Mississippi coastlines, where a Storm Surge Warning is in effect. Residents in the warning area should follow advice, including evacuation orders, given by local officials.

2. Damaging and life-threatening hurricane-force winds are expected in portions of southern Louisiana later today, where a Hurricane Warning is in effect. Tropical storm conditions are expected to begin within this area later this morning, and preparations to protect life and property should be complete.

3. Francine is expected to bring heavy rainfall and the risk of considerable flash and urban flooding across southeastern Louisiana, Mississippi, far southern Alabama and northern Florida through Thursday night. Flash and urban flooding is probable across the Lower Tennessee Valley and Lower Mississippi Valley Wednesday night into Friday morning.



For more information go to hurricanes.gov

IMPACTS FOR D8

Winds/US Coast – **High**

Winds/SRR – **High**

Waves/US Coastal – **High**

Waves/SRR – **High**

through next 5 days

US Storm Surge – **Extreme**

US Rainfall/Flash Flooding – **High**

US Tornadoes – **Low**



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

This briefing was prepared by:
Nelsie.Ramos@noaa.gov

*The Next Briefing Will Be:
Thursday 1:00 AM CDT*

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



NHC_TAFB

www.nhc.noaa.gov