

**IMPACTS FOR D7 (through next 5 days)**

**Winds – Low**

**Storm Surge – None**

**Rainfall/Flash Flooding – Medium**

**Tornadoes – Low**

**Waves - Low**

# INVEST AL97 BRIEFING

3:00 PM EDT

Thursday, August 1, 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)

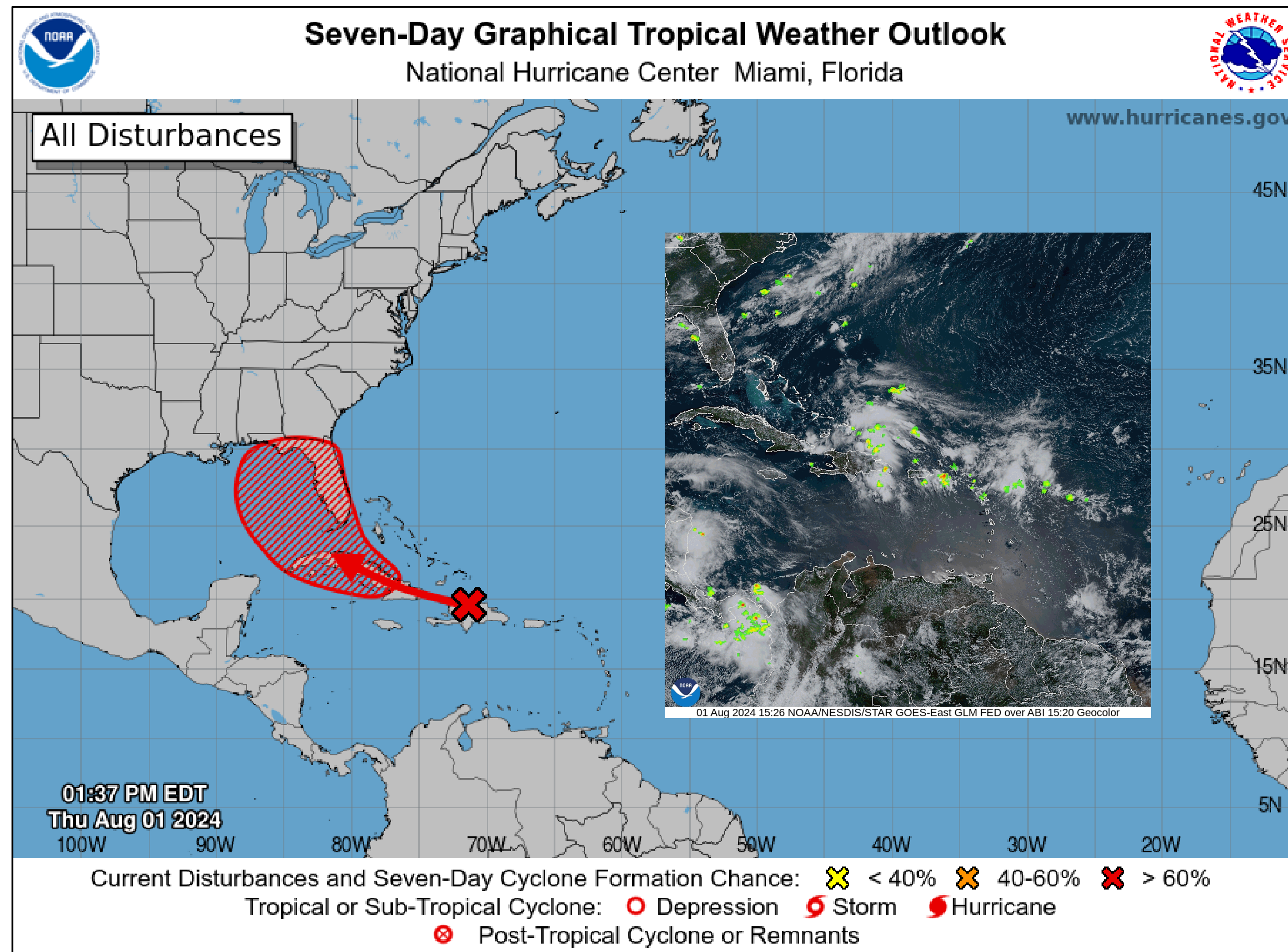


# Tropical Weather Outlook

Invest AL97



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- A well-defined tropical wave (AL97) is producing a large area of disorganized showers and thunderstorms.
- Development of this system should be slow to occur during the next day or so while it moves west-northwestward over portions of the Greater Antilles.
- Environmental conditions are forecast to be more conducive for development after the wave passes the Greater Antilles, and a tropical depression is likely to form this weekend or early next week over the eastern Gulf of Mexico near the Florida Peninsula.
- **Reminder:** *The hatched area represents a possible development area, not the system's path after development occurs.*

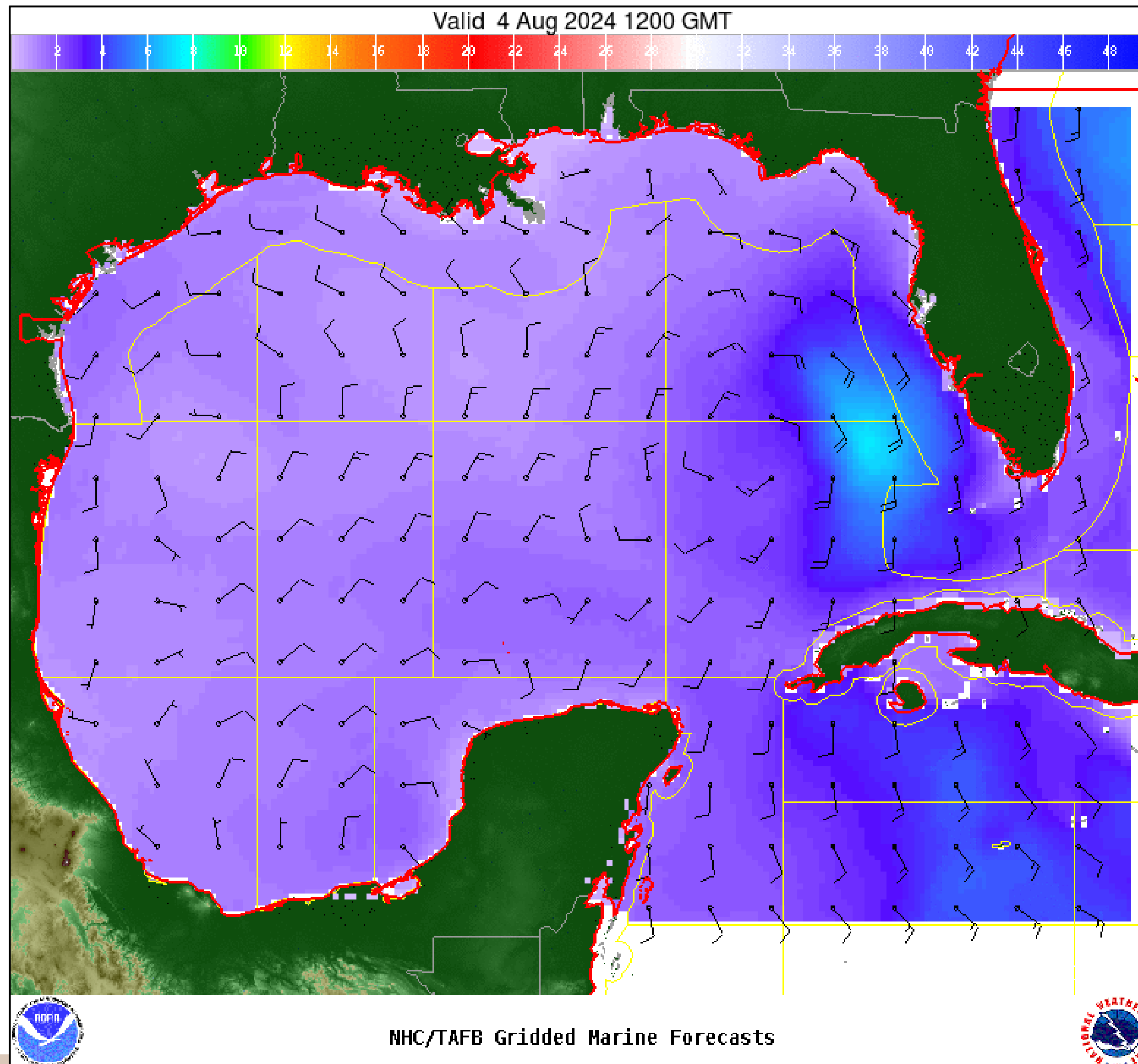


# Wind And Waves

Invest AL97



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 72 Hour Forecast

12Z Sunday, August 4<sup>th</sup>, 2024

Peak Winds: 15 to 20 kt **\*AS OF NOW**

Peak Seas: 8 to 9 ft **\*AS OF NOW**

■ Wave heights are in feet



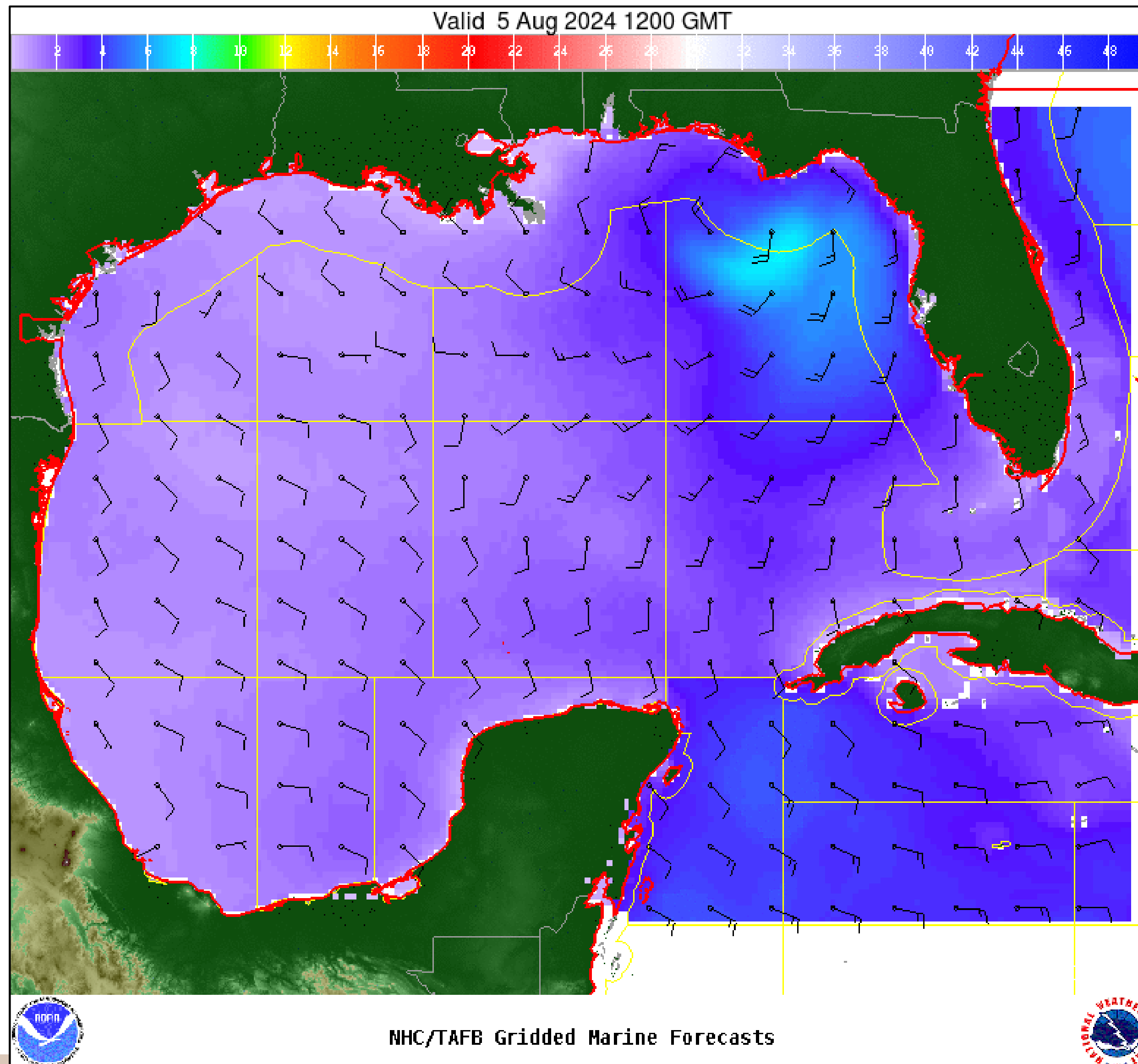
Significant Wave Height (ft)

# Wind And Waves

Invest AL97



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 96 Hour Forecast

12Z Monday, August 5<sup>th</sup>, 2024

Peak Winds: 15 to 20 kt **\*AS OF NOW**

Peak Seas: 8 to 9 ft **\*AS OF NOW**

■ Wave heights are in feet



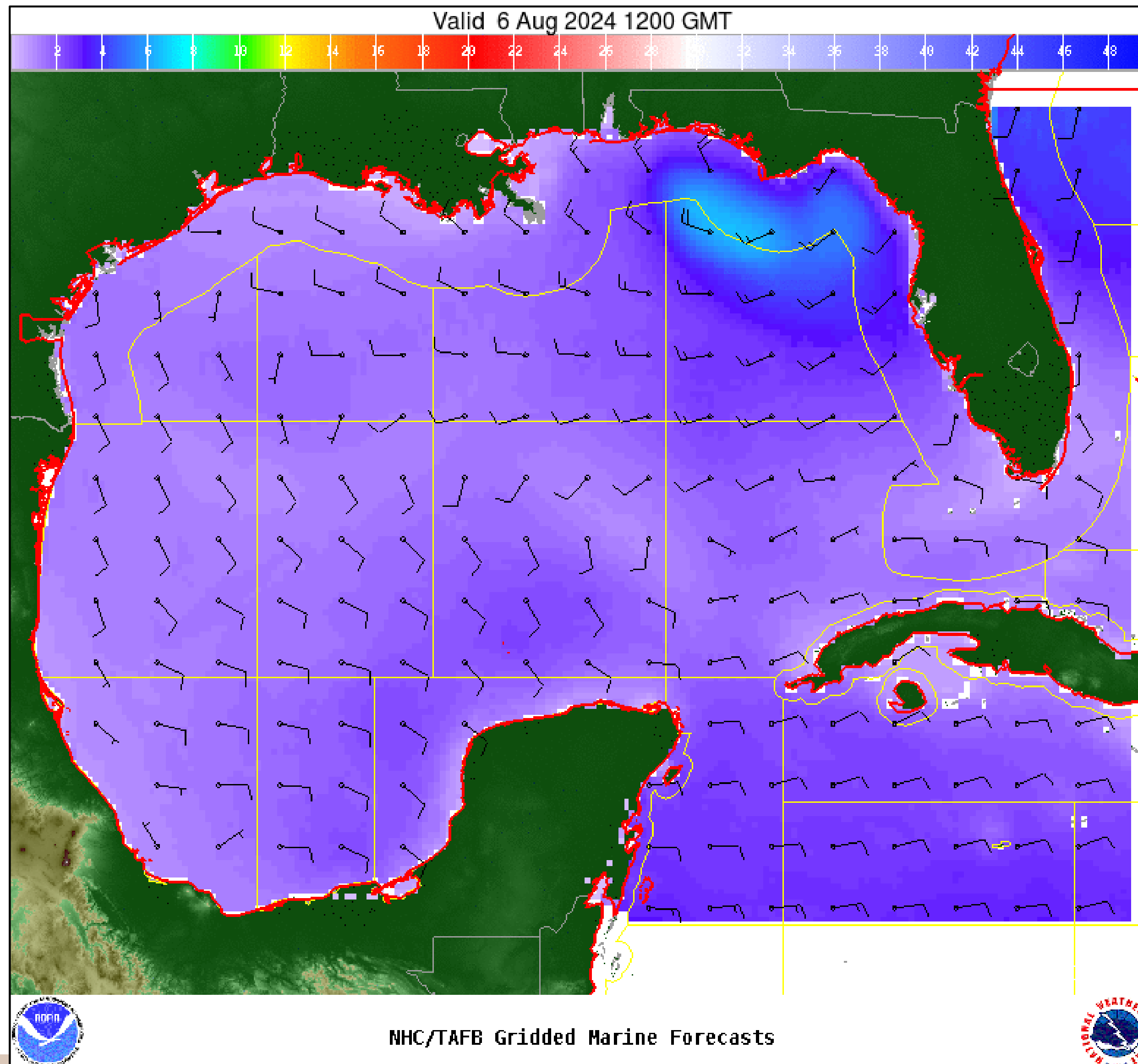
Significant Wave Height (ft)

# Wind And Waves

Invest AL97



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 120 Hour Forecast

12Z Tuesday, August 6<sup>th</sup>, 2024

Peak Winds: 15 to 20 kt **\*AS OF NOW**

Peak Seas: 8 to 9 ft **\*AS OF NOW**

- Wave heights are in feet



Significant Wave Height (ft)

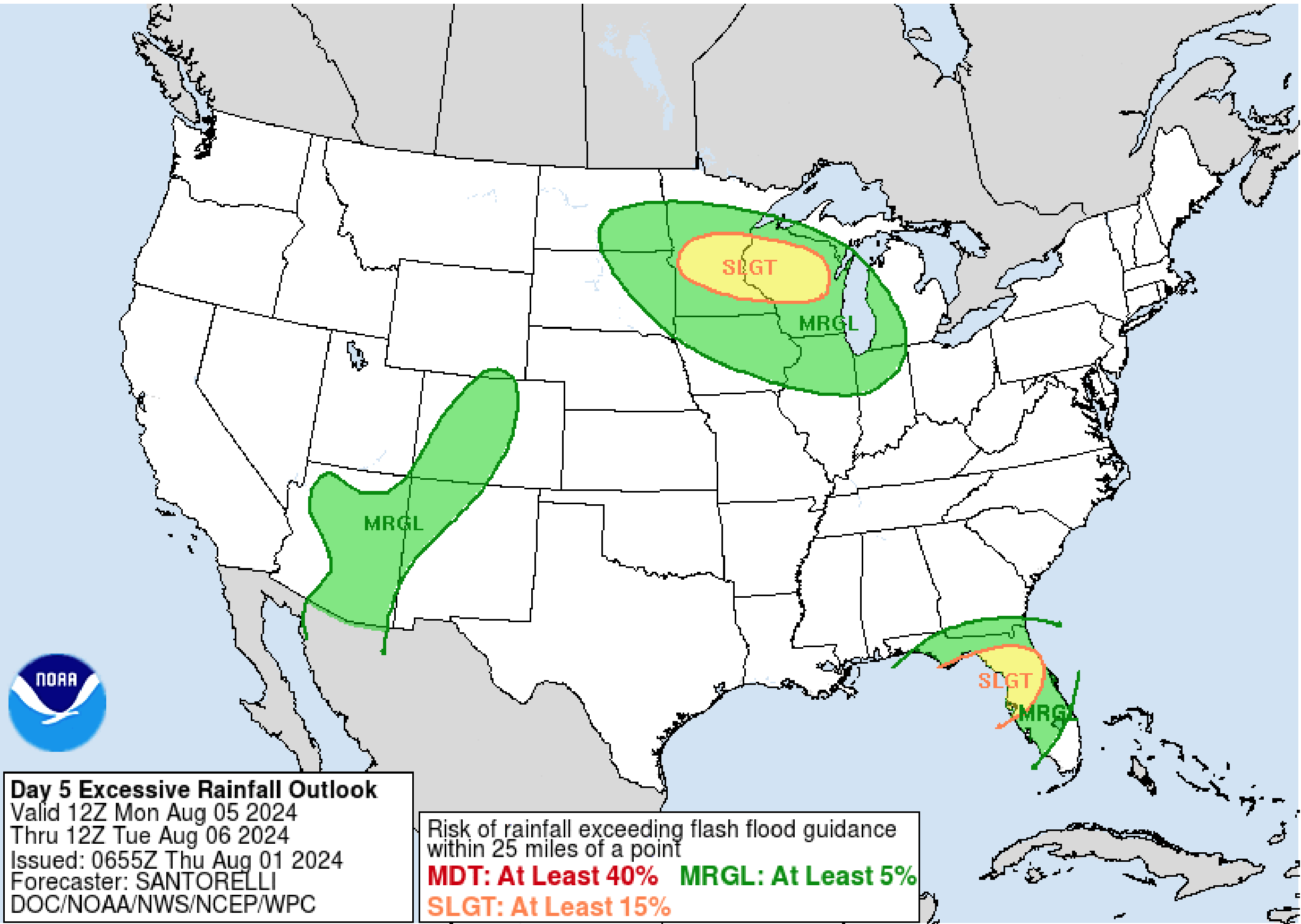
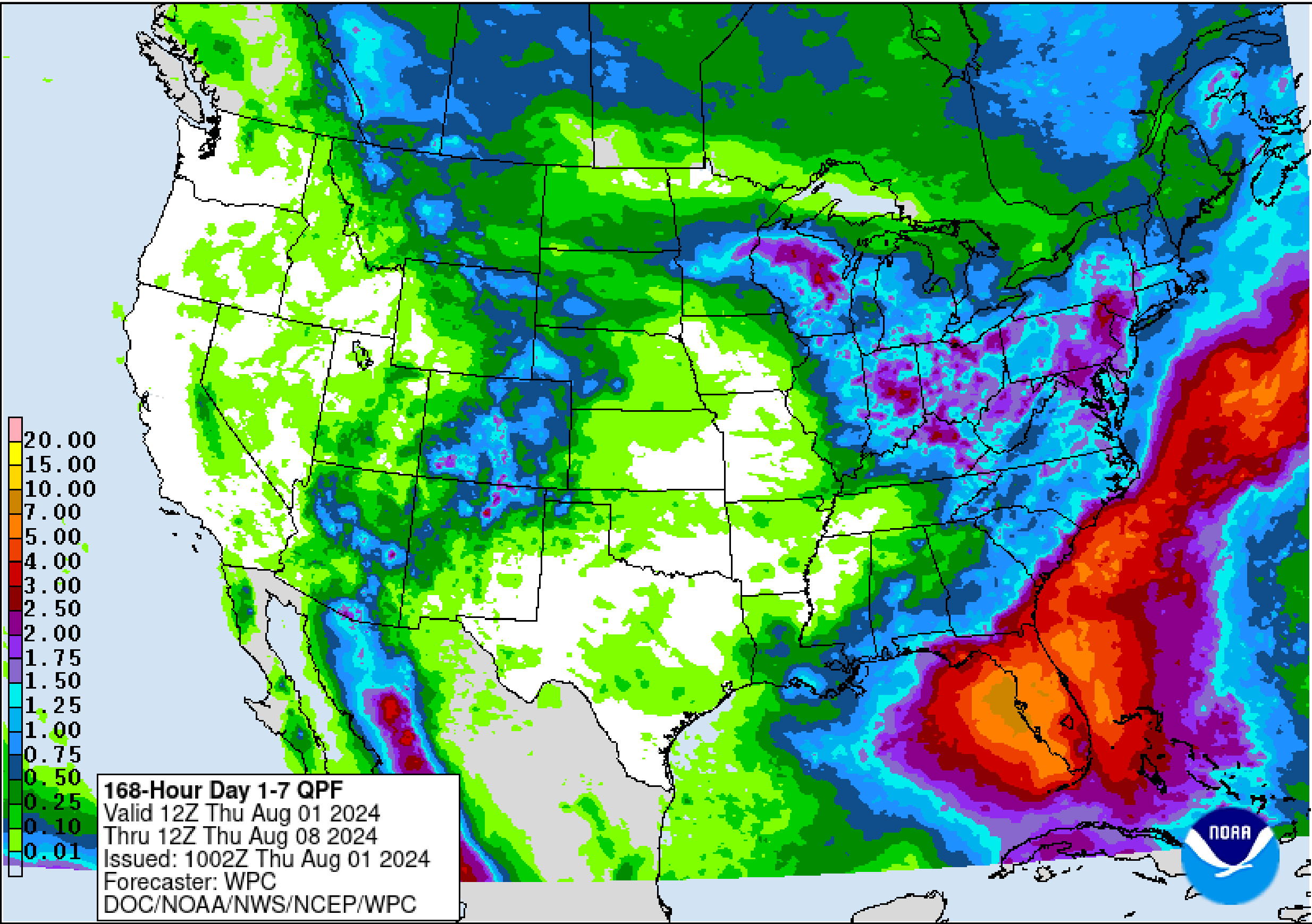
# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Invest AL97

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

Invest AL97



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

Impacts to the D7 area may be significantly higher than indicated here, if official Tropical Cyclone Advisories are begun.

- Wind - Low
- Waves - Low
- Storm Surge - None
- Rainfall Flooding - Medium
- Tornadoes - Low



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



# INVEST AL97 BRIEFING

**TIME of NEXT NHC Tropical Weather Outlook:**

**00 UTC: 8 PM EDT**

This briefing was prepared by:

Keren Rosado-Vázquez - [keren.rosado-Vazquez@noaa.gov](mailto:keren.rosado-Vazquez@noaa.gov)

*The Next Briefing Will Be:*

*Friday 3:00 PM EDT*

*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)