

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

**Winds – Medium**

**Storm Surge – None**

**Rainfall/Flash Flooding – Low**

**Tornadoes – Low**

**Waves - Medium**

# WINTER STORM BRIEFING

5 PM EDT

Friday, January 5, 2024

Prepared by:

**Amanda Reinhart**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



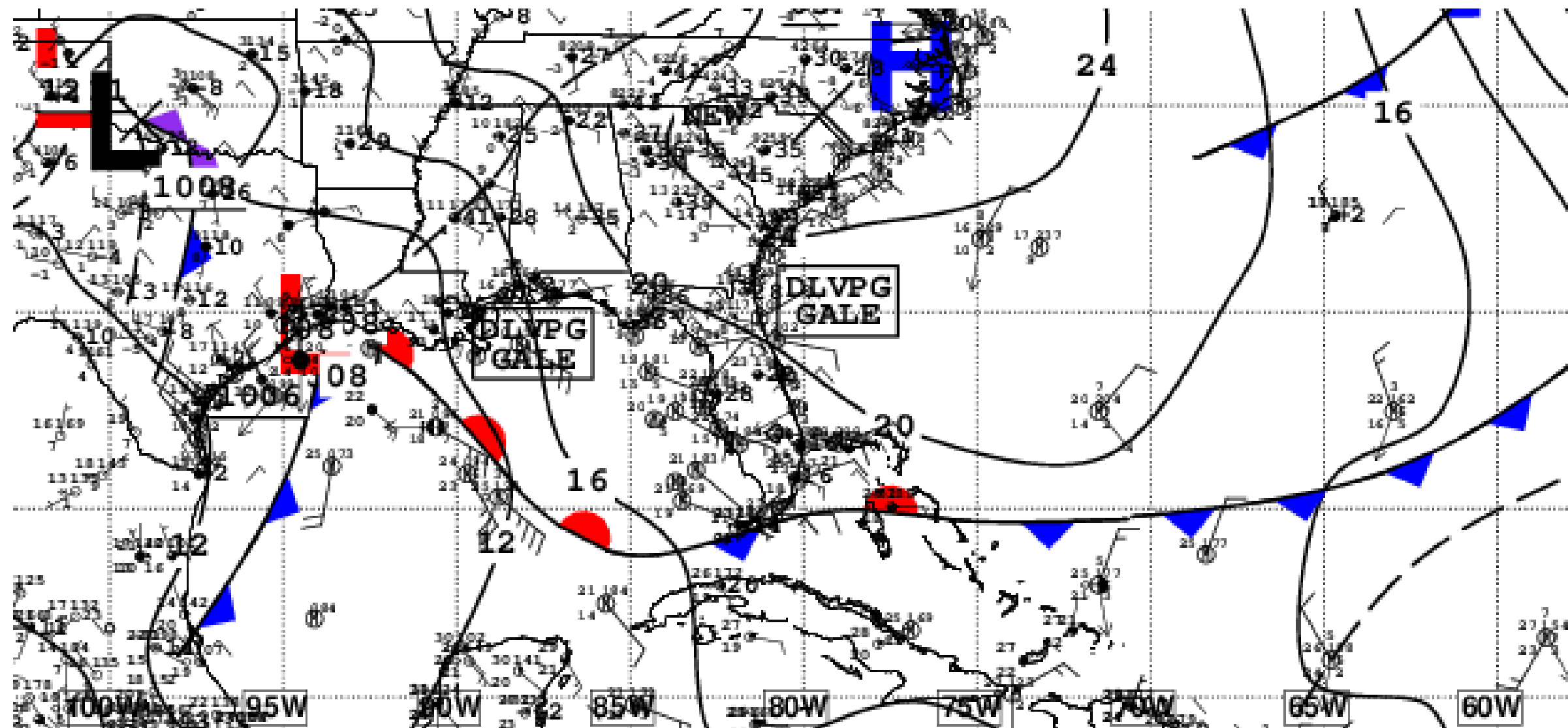
NHC\_TAFB

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

# Current Conditions



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



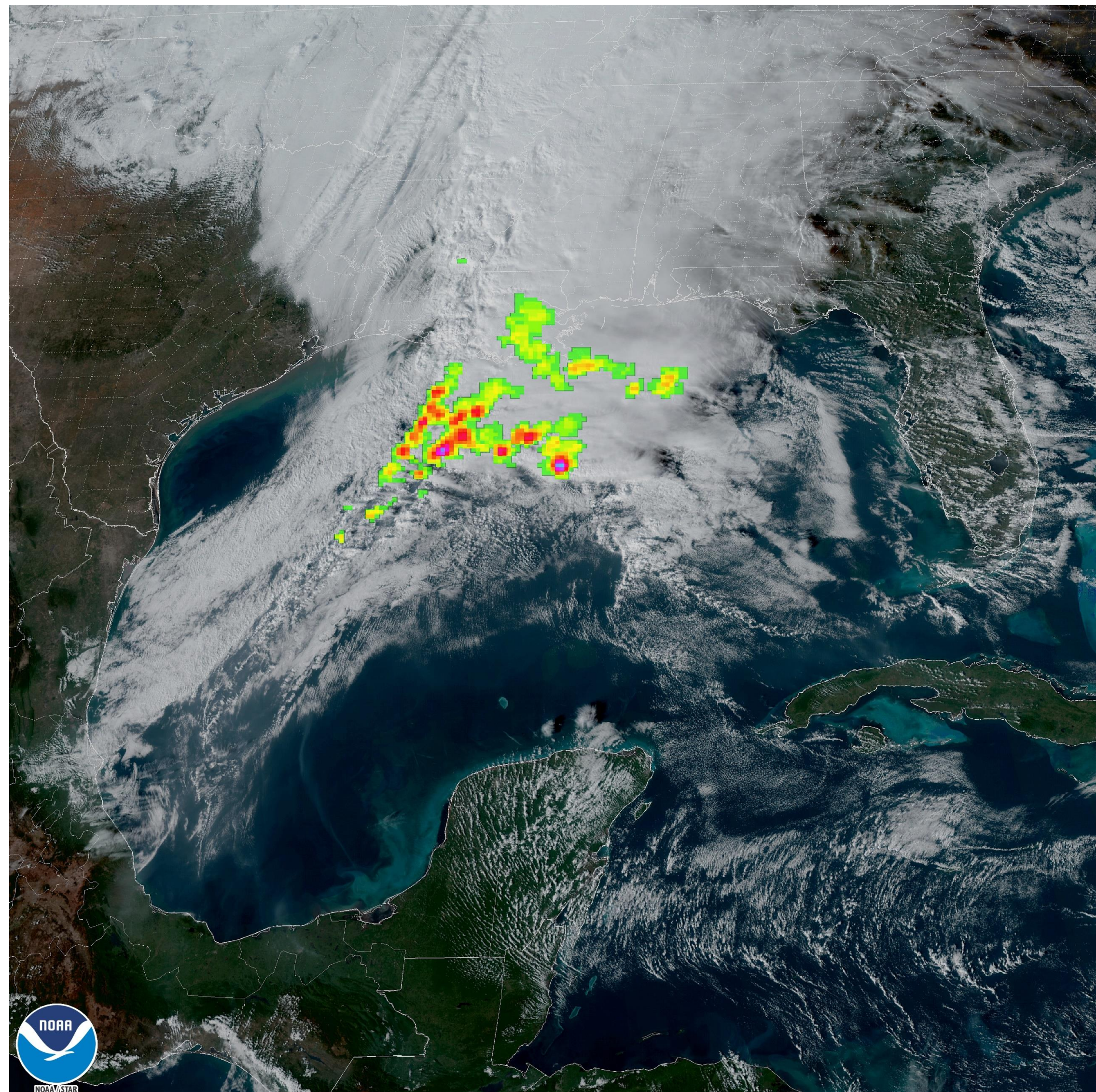
- Front is currently in the western Gulf of Mexico with strong winds ahead of the front and 6 to 10 ft seas in the north-central Gulf (off the coast of LA to Florida Panhandle)



# Satellite Imagery



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



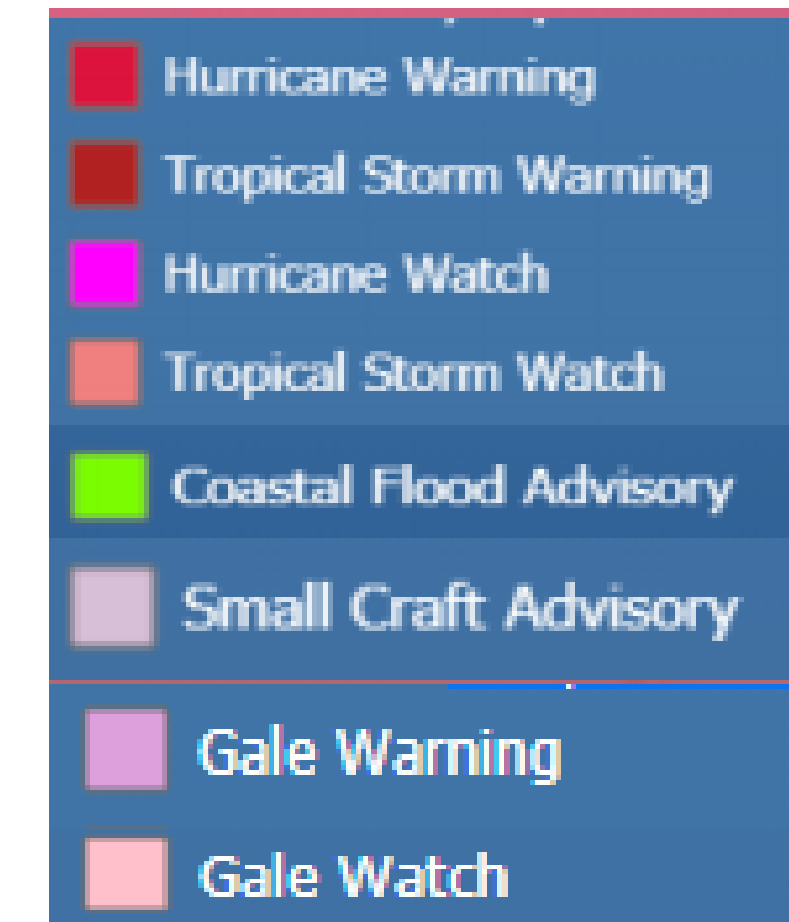
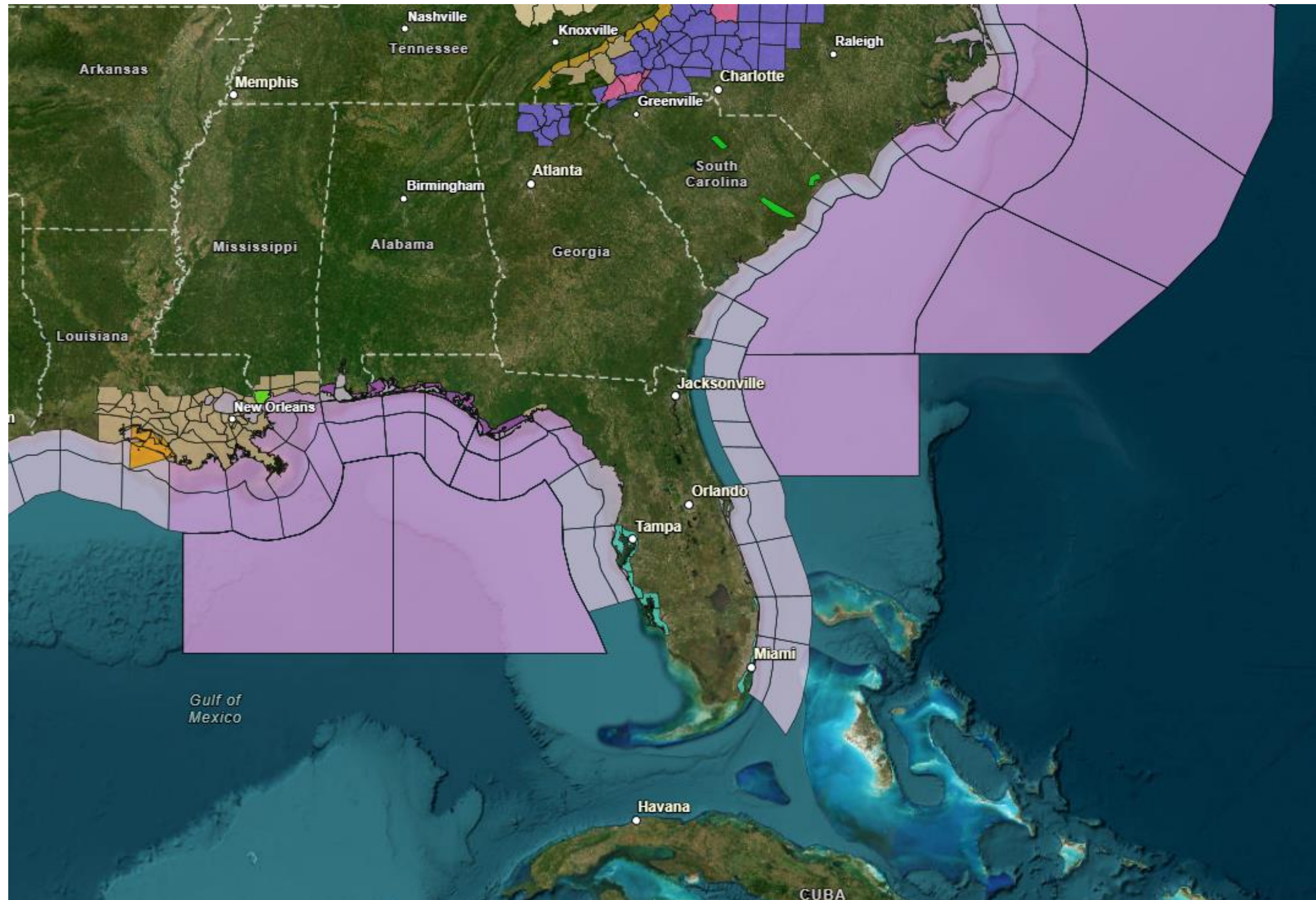
05 Jan 2024 21:11 NOAA/NESDIS/STAR GOES-East GLM FED over ABI 21:06 Geocolor



# Hazards Map



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

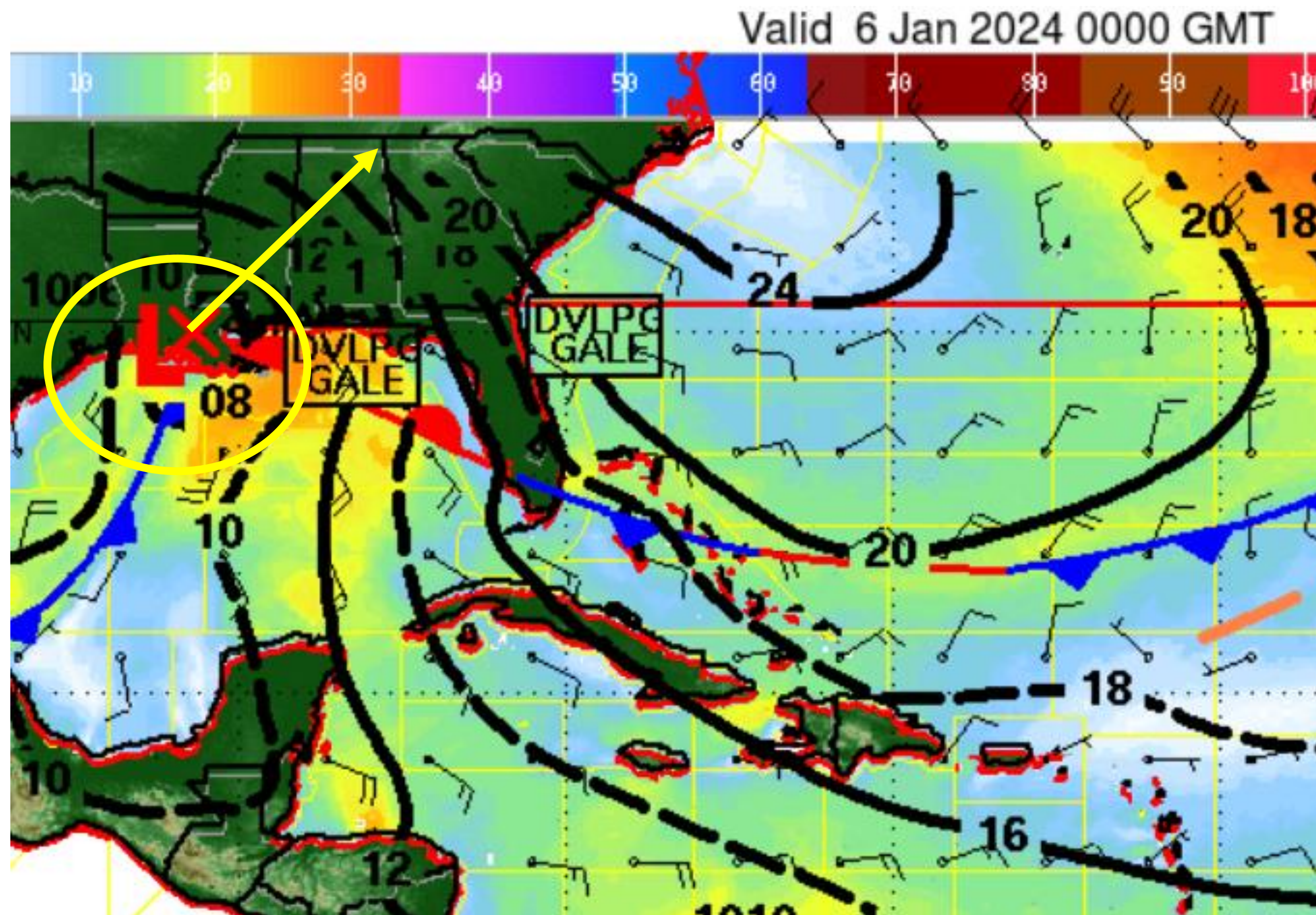




# Forecast Information



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



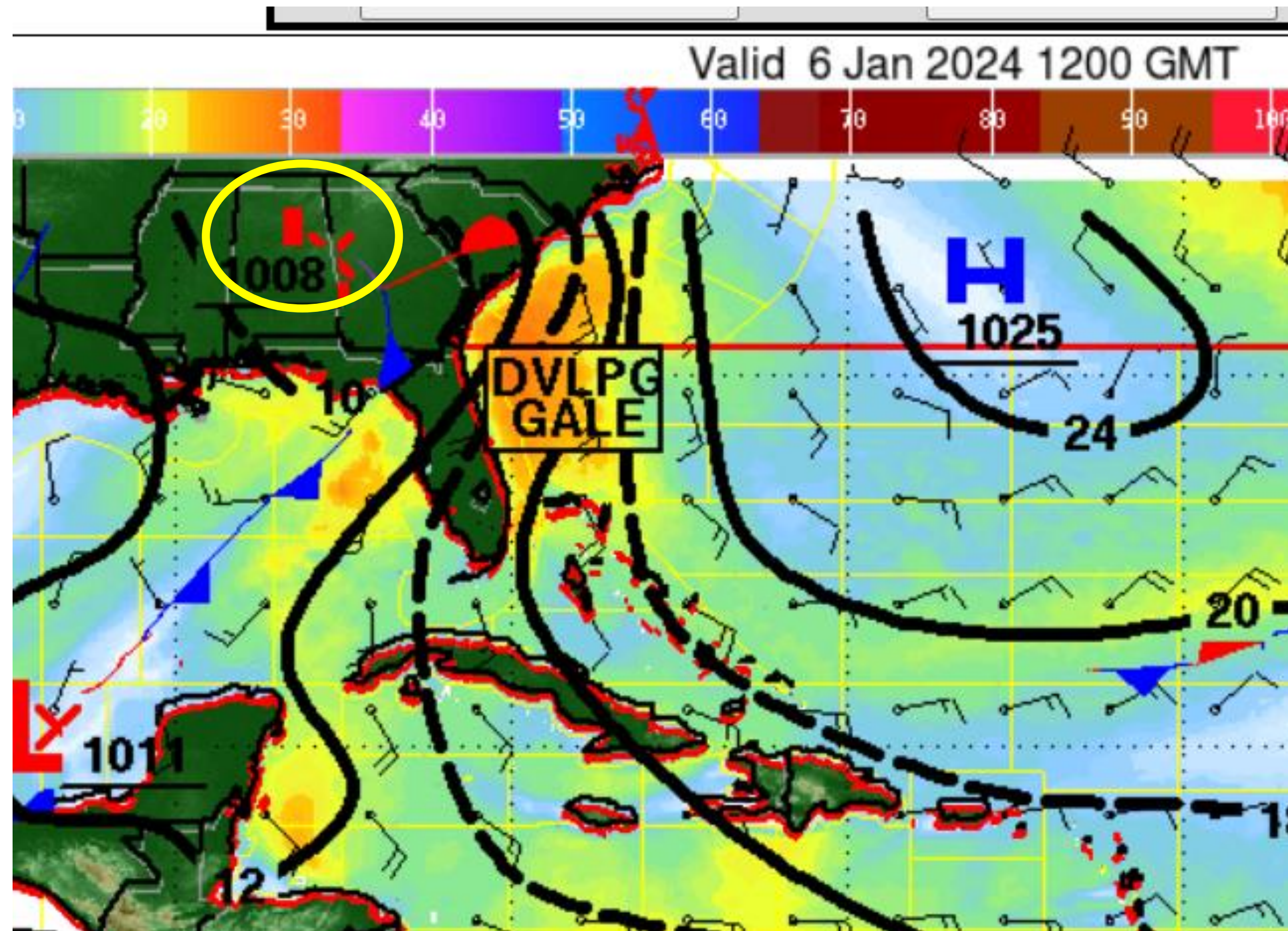
- Cold front is expected to push across the central and eastern Gulf of Mexico tonight
- Gales are expected to start this evening ahead of the front *in the Gulf*



# Forecast Information



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



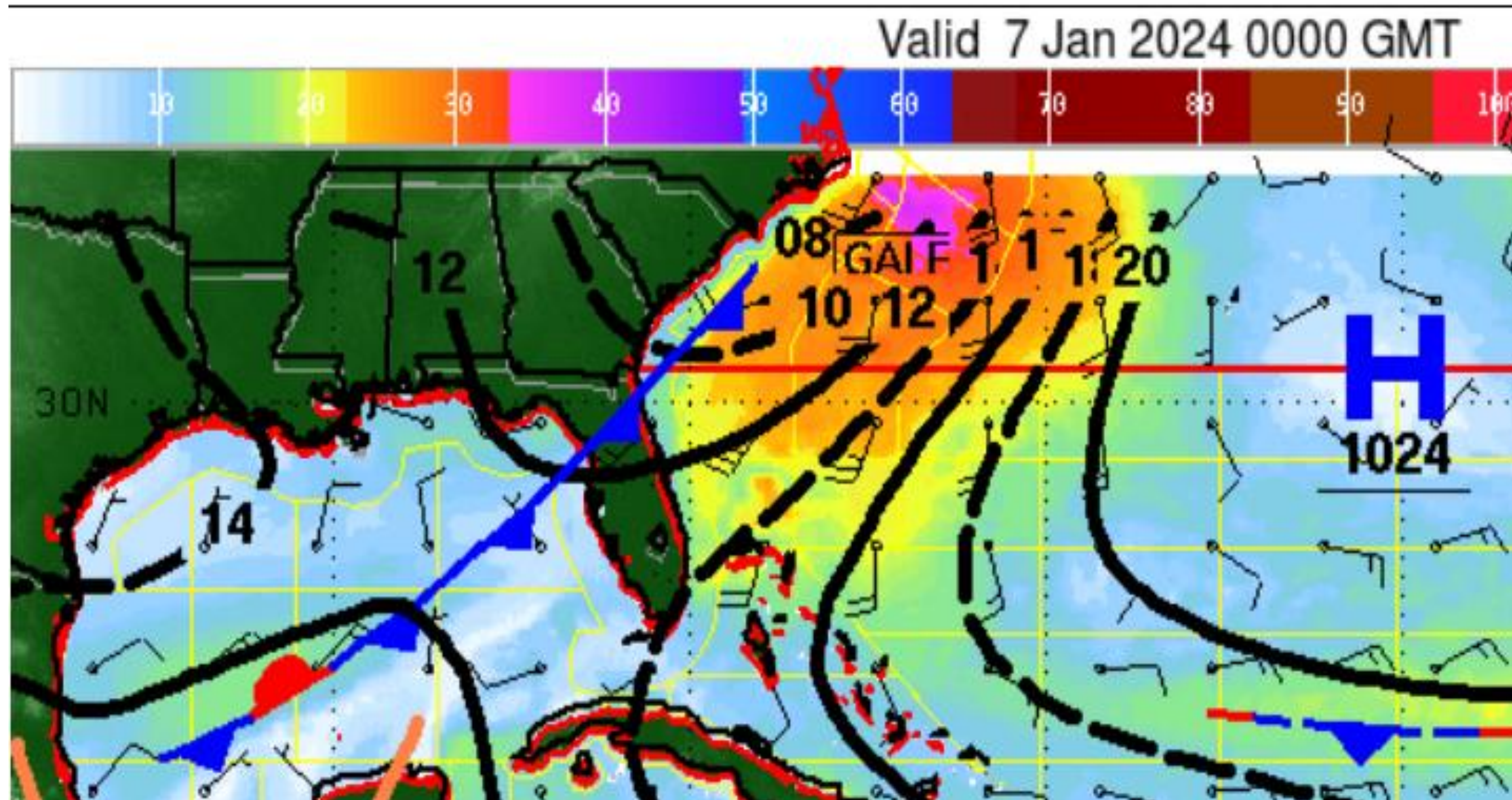
- Cold front will move toward the U.S. East Coast on Sat and push into the Atlantic by Sat evening



# Forecast Information



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Low pressure will move off the Mid-Atlantic coast Sat night/Sun morning – *well north of Charleston, SC*
- Cold front will move across Florida by Sun evening

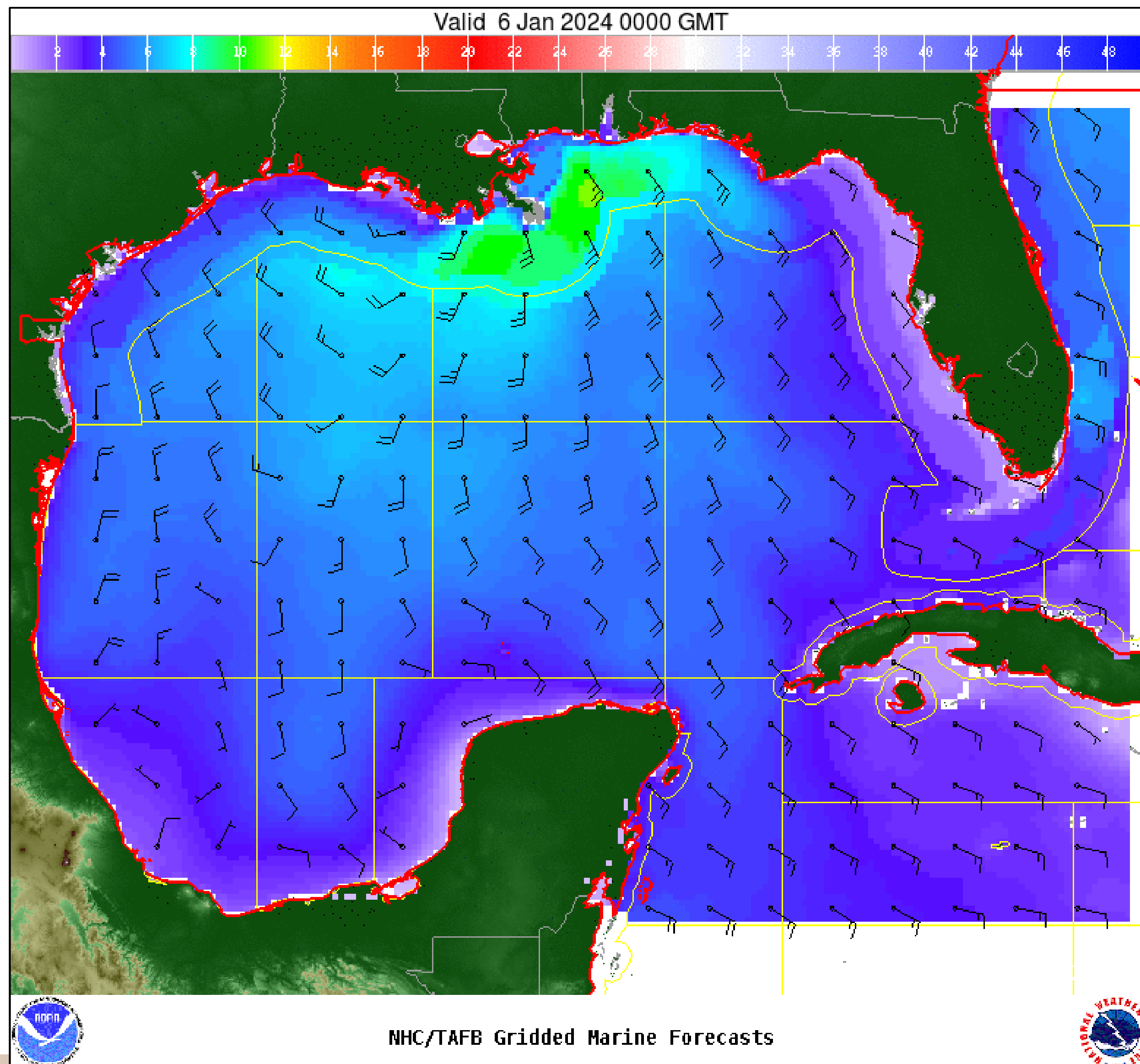


# Wind And Waves

Gulf of Mexico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



This Evening Conditions

Friday, January 5

Peak Winds: 35 kt winds (NE Gulf)

Peak Seas: 11 ft

■ Wave heights are in feet



Significant Wave Height (ft)

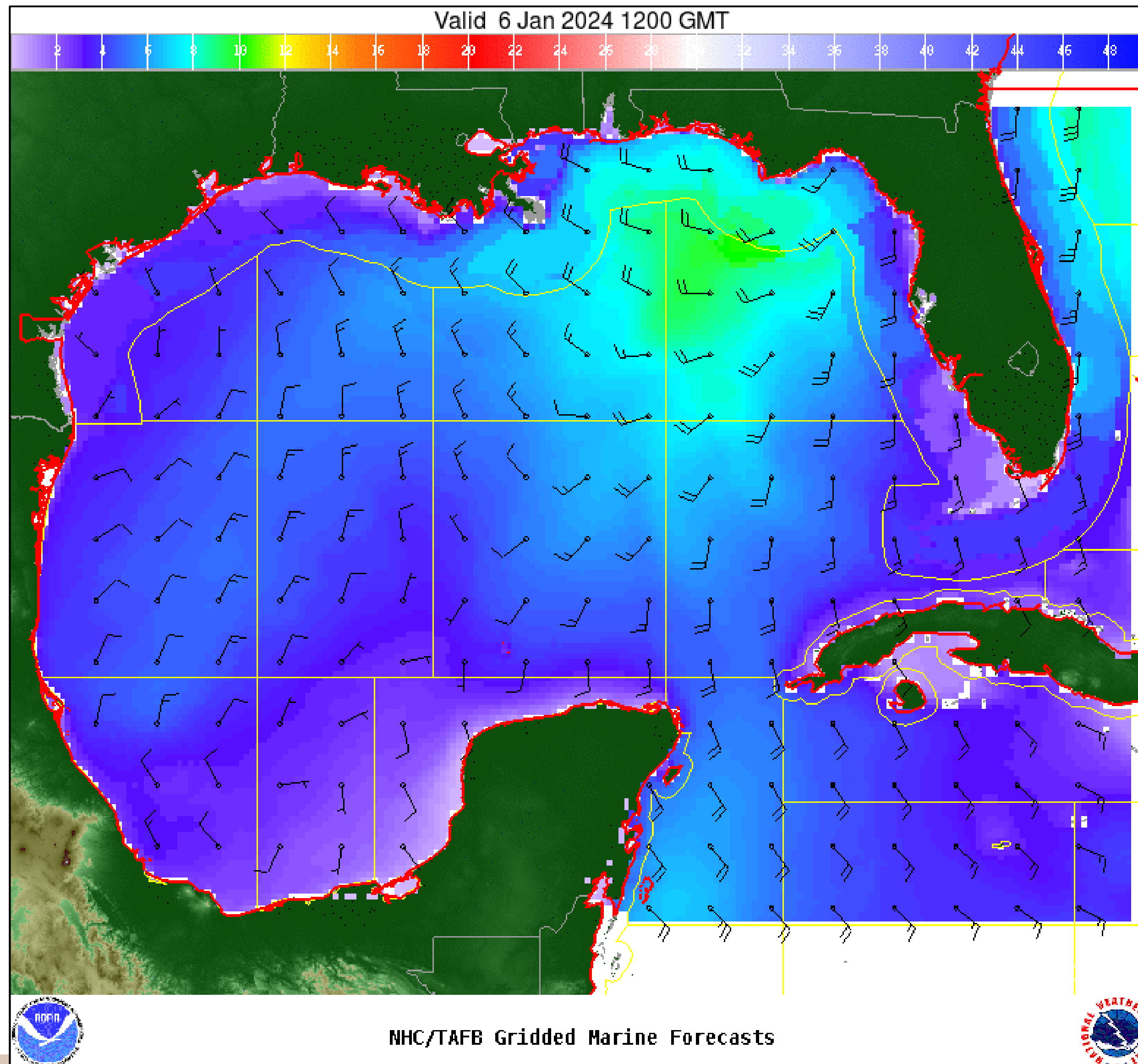


# Wind And Waves

Gulf of Mexico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 12 Hour Forecast

**Saturday, January 6 (morning)**

Peak Winds: 25 kt (NE Gulf)

Peak Seas: 9 ft

- Wave heights are in feet



Significant Wave Height (ft)

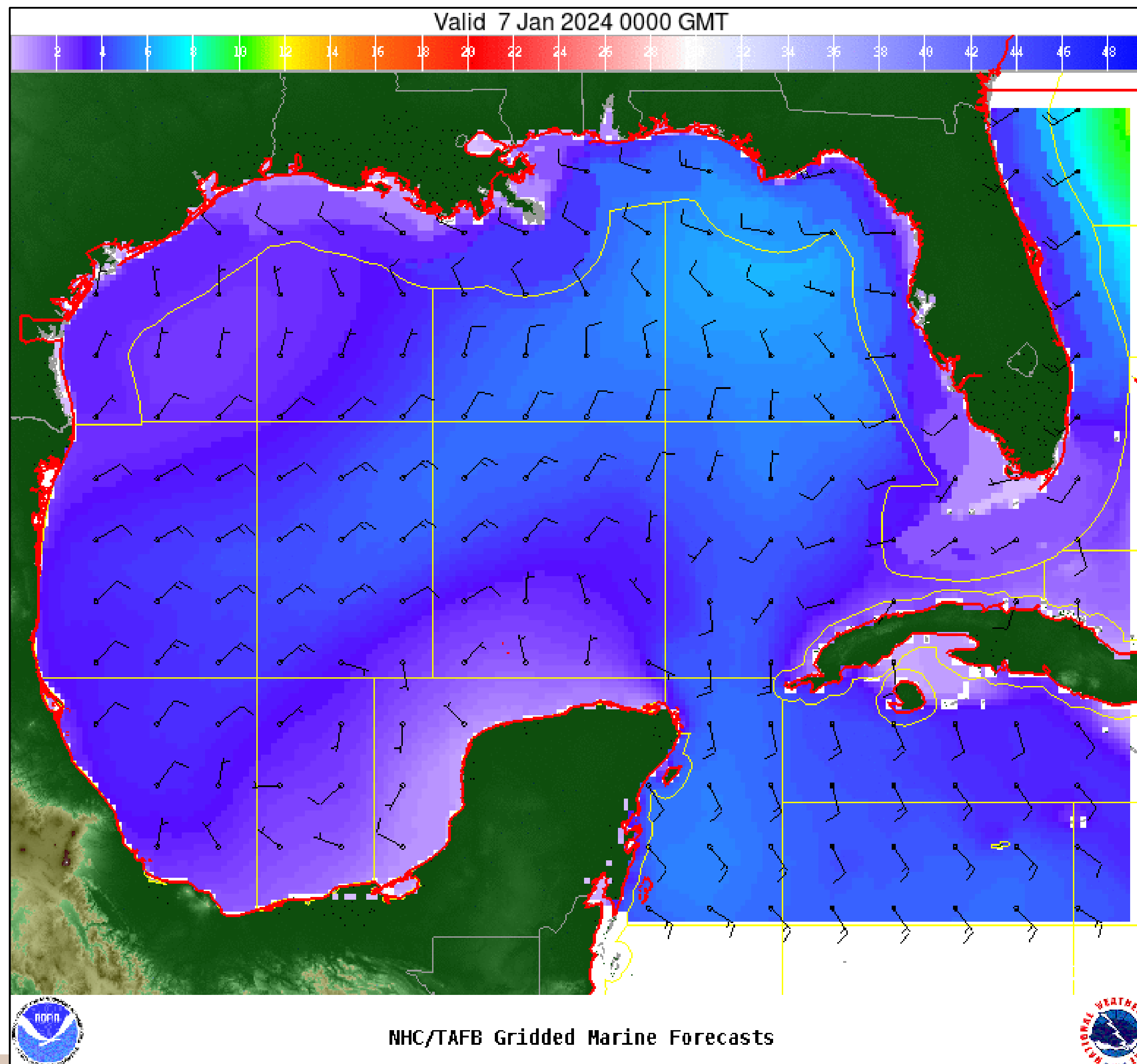


# Wind And Waves

Gulf of Mexico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



18 Hour Forecast

Saturday, January 6 (evening)

Peak Winds: 15 kt

Peak Seas: 6 ft

■ Wave heights are in feet



Significant Wave Height (ft)

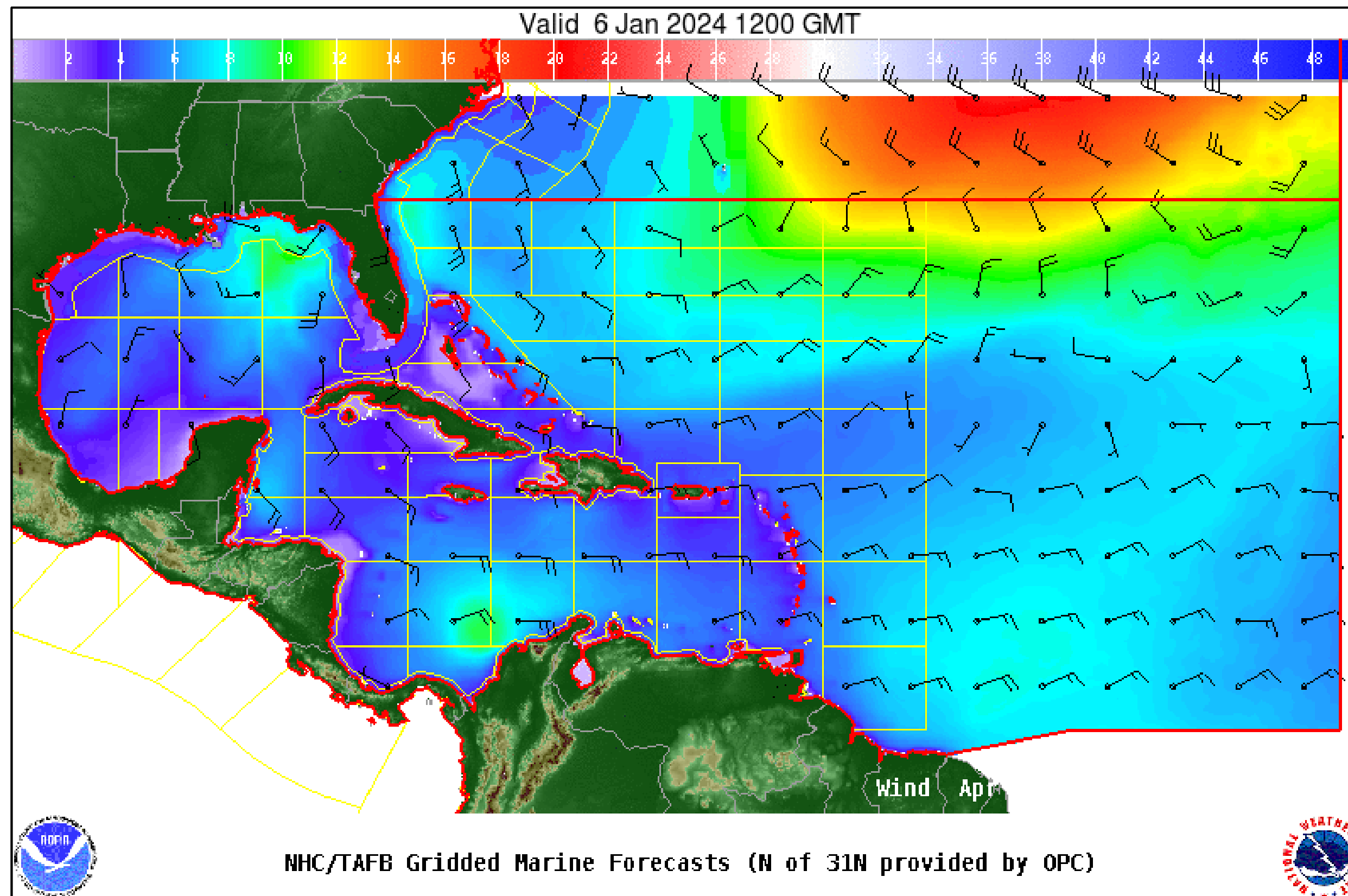


# Wind And Waves

Atlantic



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 12 Hour Forecast

**Saturday, January 6 (morning)**

Peak Winds: 30 kt (Gales developing by  
15Z/mid-morning on Sat off the JAX coast)

Peak Seas: 8 ft

- Wave heights are in feet



Significant Wave Height (ft)

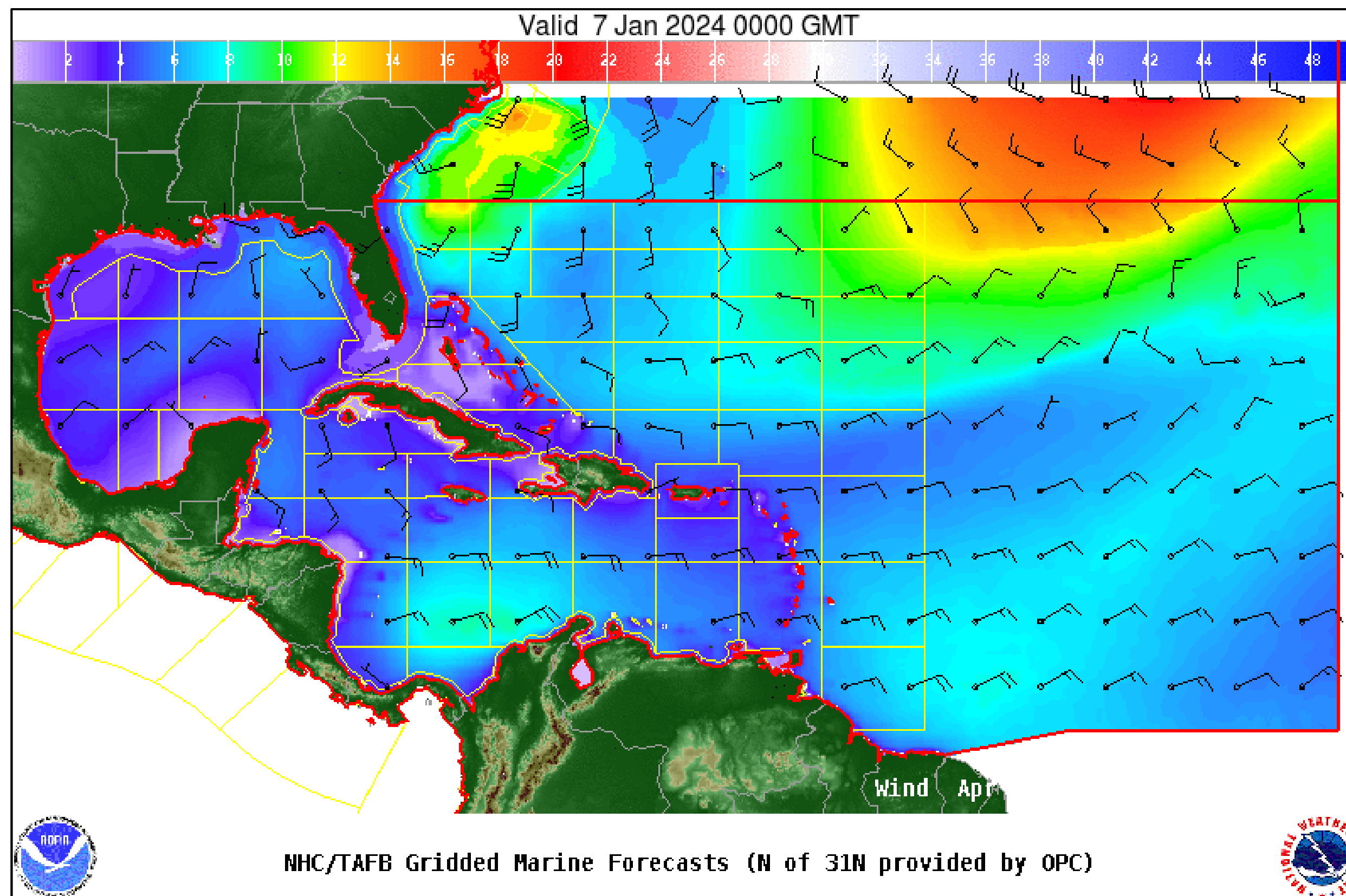


# Wind And Waves

Atlantic



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 18 Hour Forecast

**Saturday, January 6 (evening)**

Peak Winds: 25 kt

Peak Seas: 14 ft

### Note:

Gales will develop off the coast of GA/SC by Sat morning through Sat evening

- Wave heights are in feet



Significant Wave Height (ft)

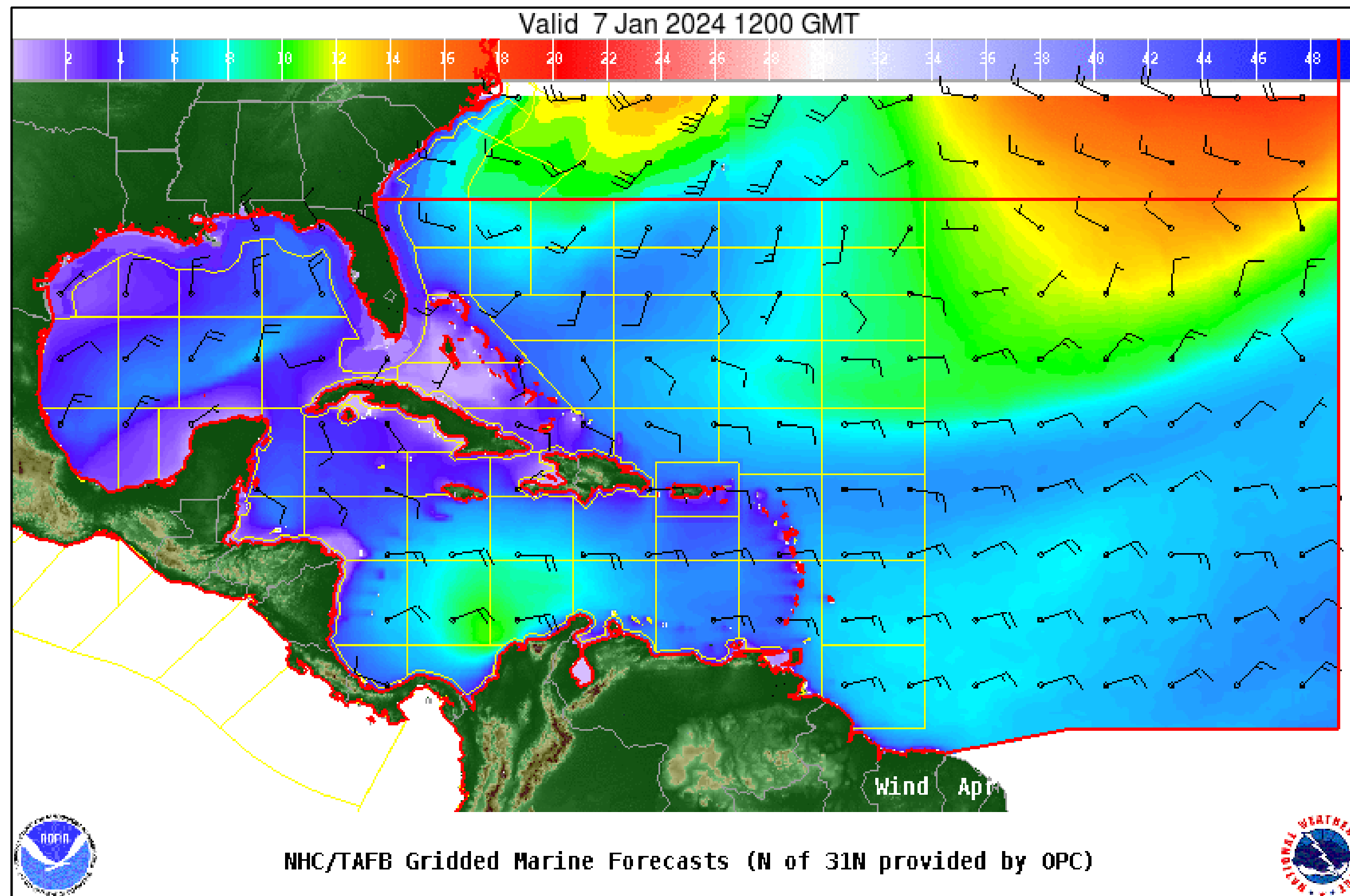


# Wind And Waves

Atlantic



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 48 Hour Forecast

**Sunday, January 7 (morning)**

Peak Winds: 15-20 kt

Peak Seas: 6 ft

- Wave heights are in feet



Significant Wave Height (ft)

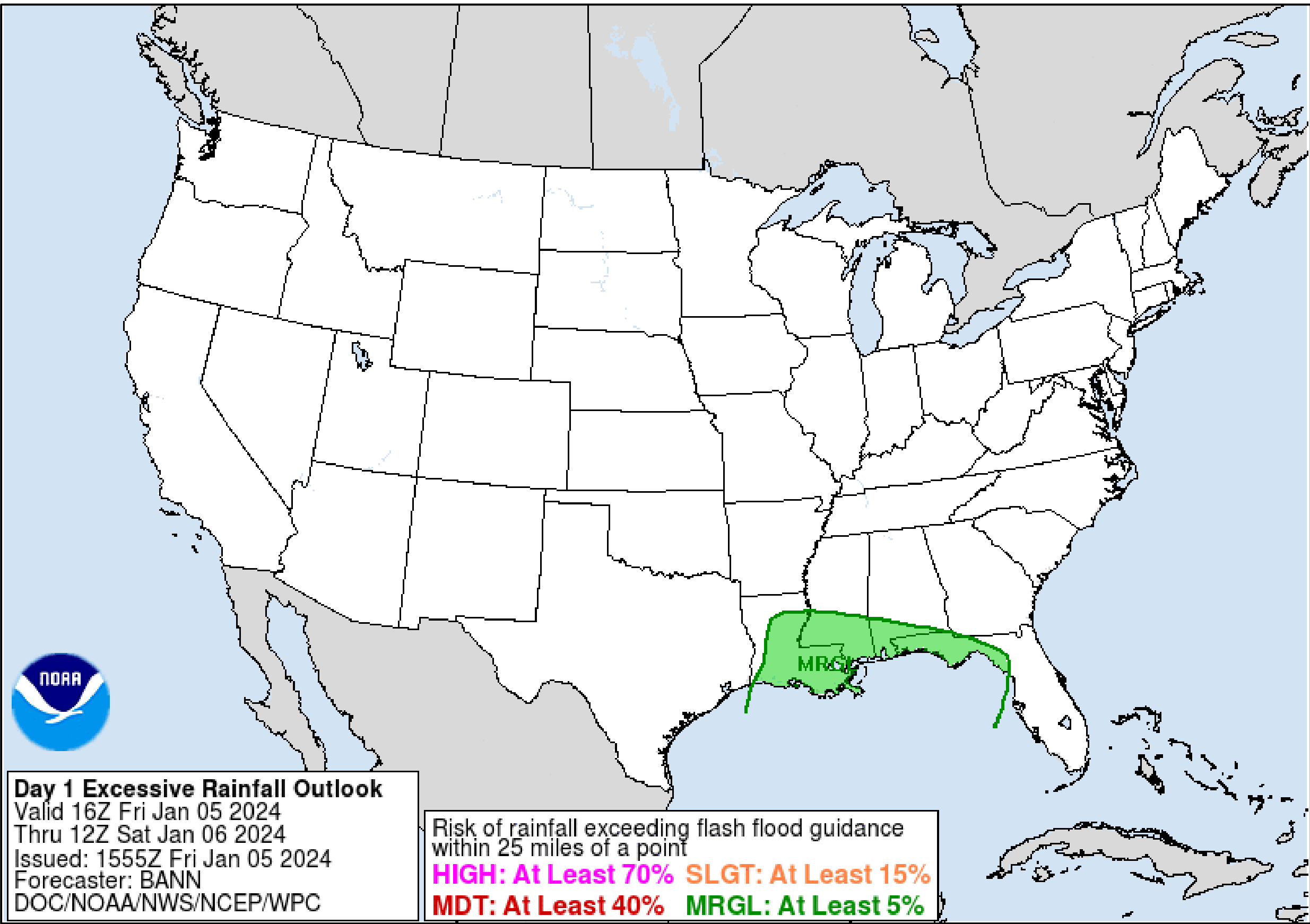
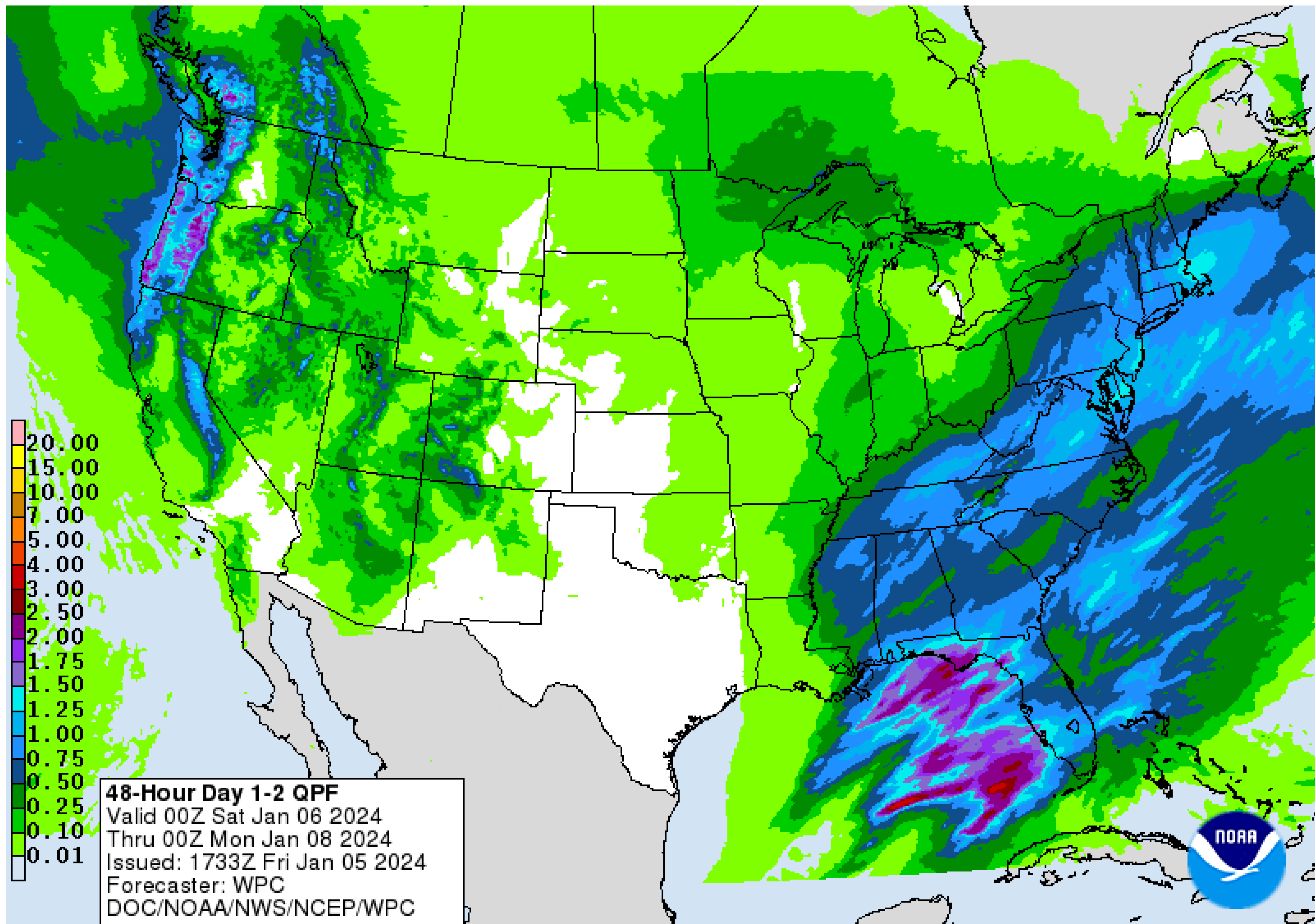


# Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

Images from NWS Weather Prediction Center



- ERO is valid this evening through Sat morning
- No ERO on Saturday

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

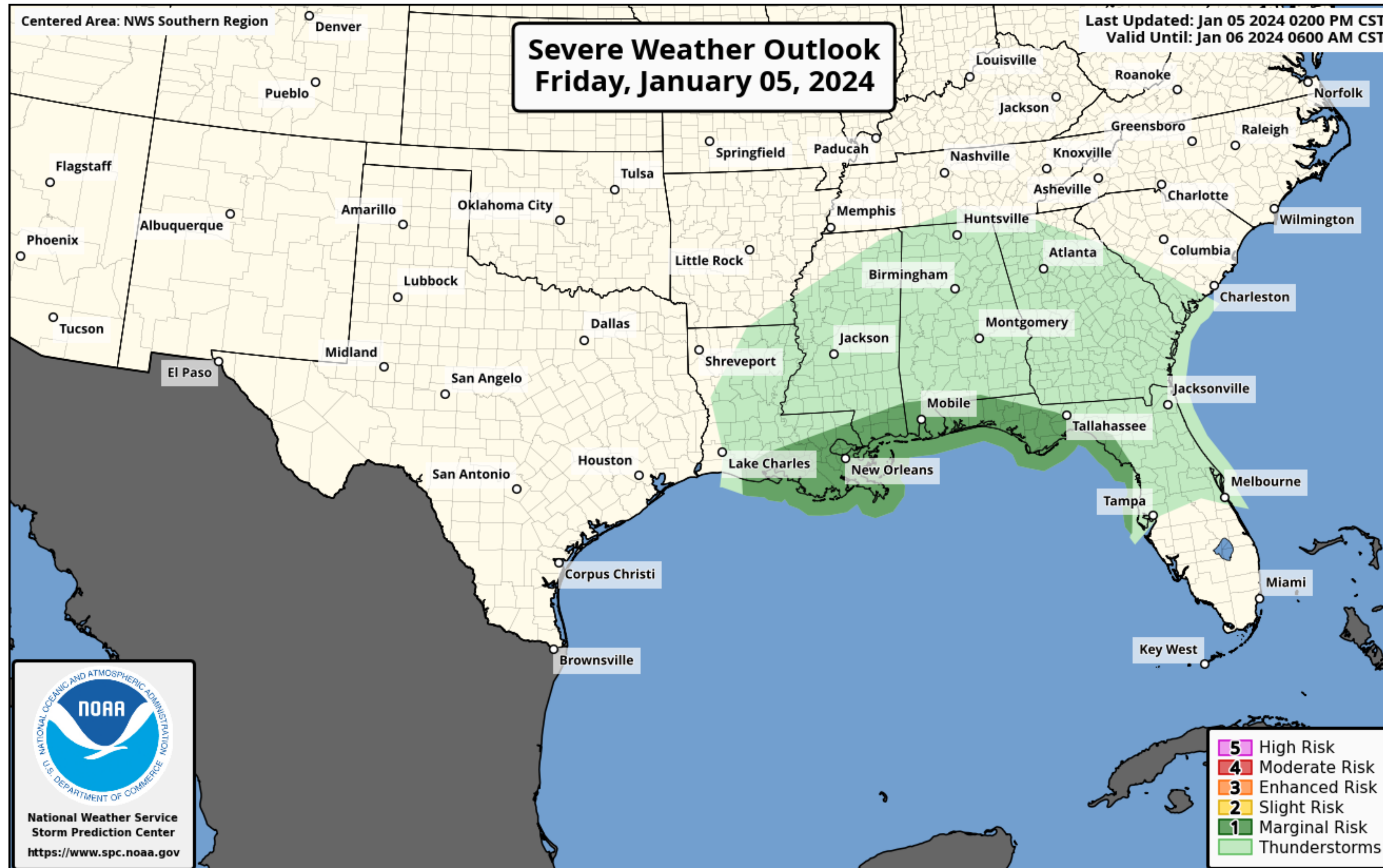


# Tornado Outlook – Day 1

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



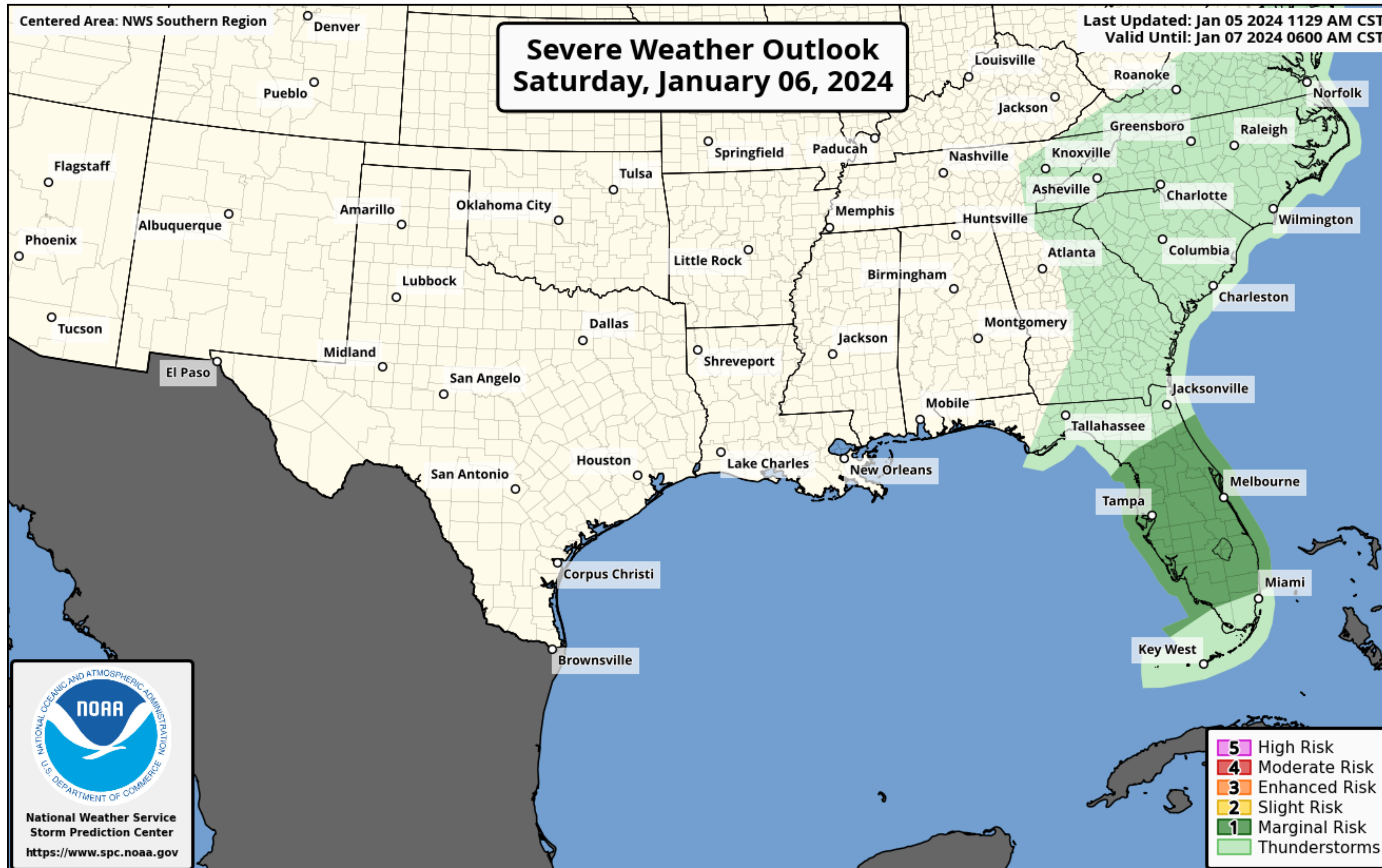


# Tornado Outlook – Day 2

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center





# Key Messages



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

## Marine Key Messages:

- Strong cold front will sweep through the Gulf and the US East Coast (from South Carolina southward to Florida) tonight through Sat evening
- Gales are expected off NE Florida to SC coast (well offshore) on Saturday
  - There are Small Craft Advisories in effect from Charleston southward to Miami and west coast of Florida
- Seas will build 8 to 10 ft off the NE Florida coast and 8 to 14 ft off the GA/SC coast
- Conditions will improve across the area Sat evening into Sun

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

**Winds – Medium**

**Storm Surge – None**

**Rainfall/Flash Flooding – Low**

**Tornadoes – Low**

**Waves - Medium**



# Looking Ahead...



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

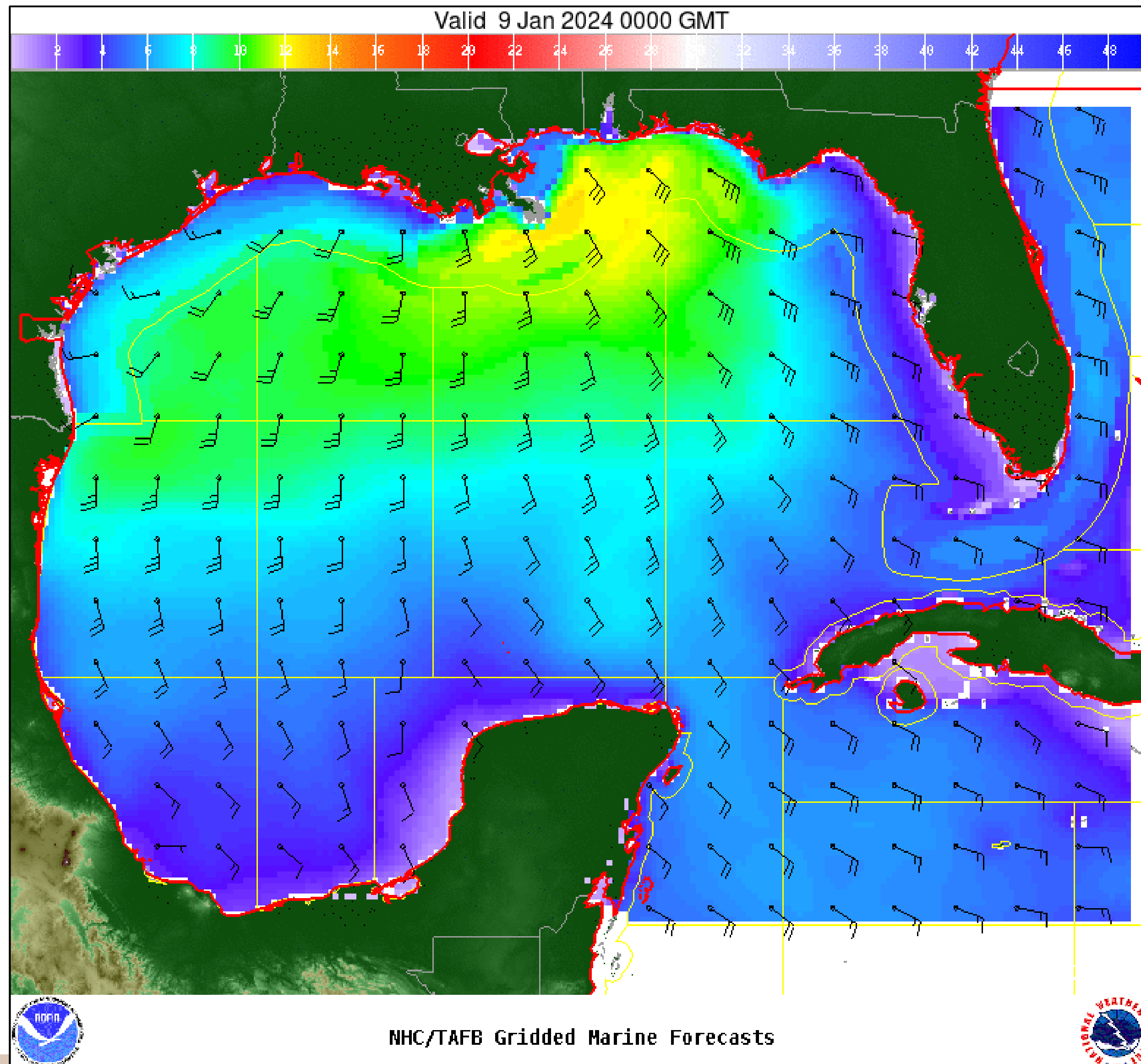
Next system impacting the Gulf/Atlantic early next week....



# Wind And Waves



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Tue evening  
Peak Winds: 35 kt (NE Gulf)

- Wave heights are in feet



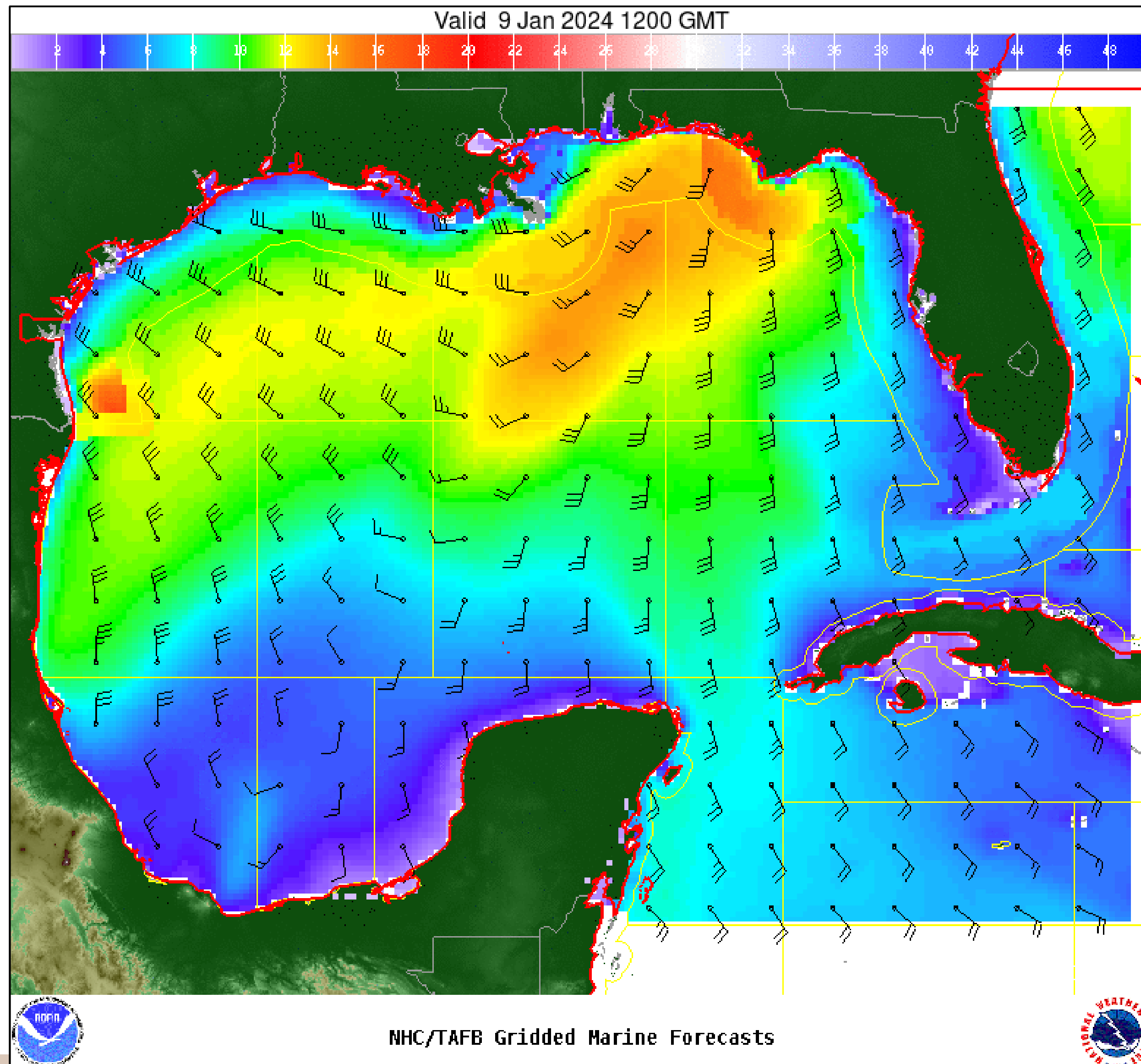
Significant Wave Height (ft)



# Wind And Waves



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Tue morning  
Peak Winds: 35 kt (NE Gulf/NE FL coast)

- Wave heights are in feet



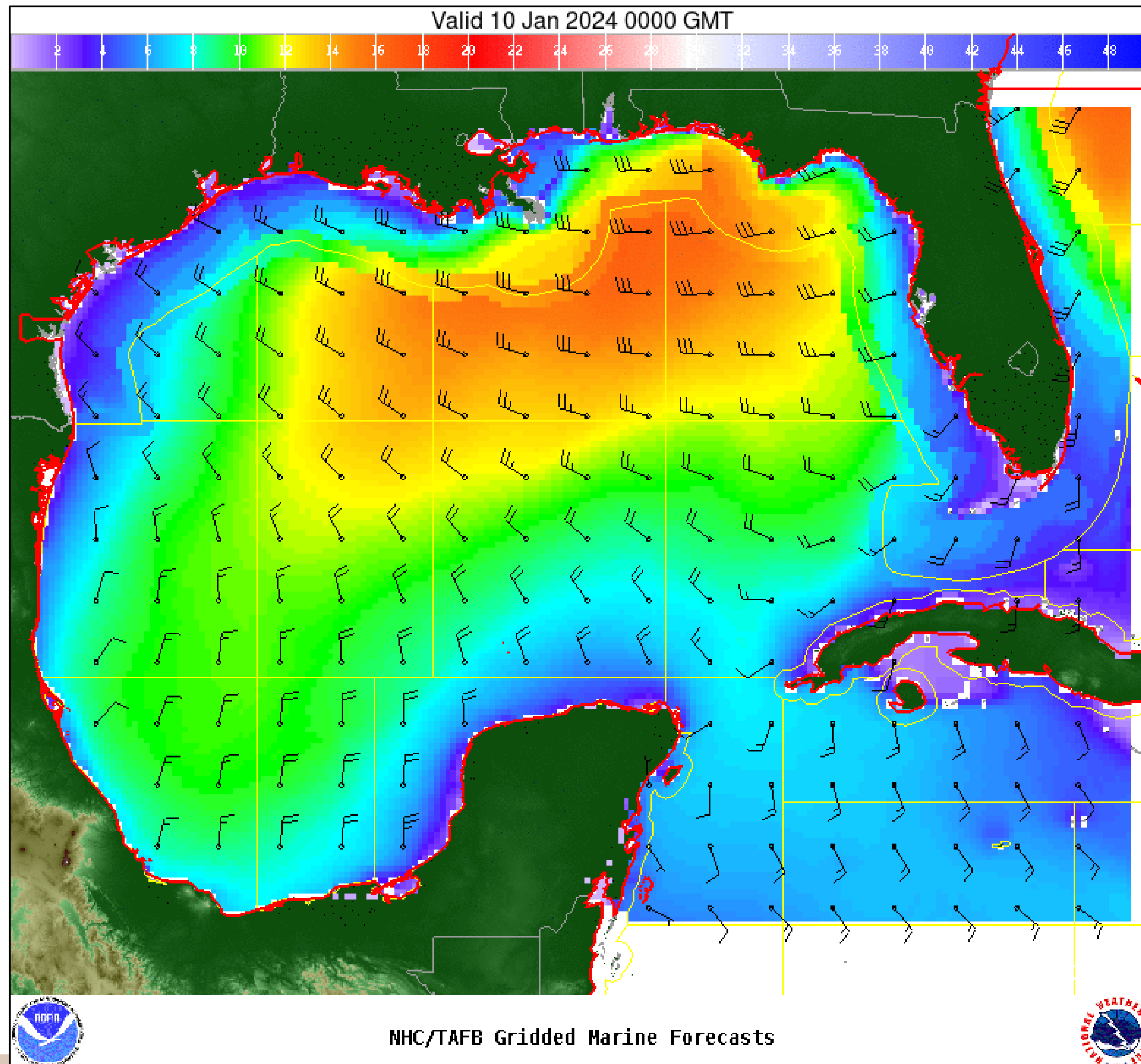
Significant Wave Height (ft)



# Wind And Waves



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Tue evening  
Peak Winds: 30 kt

- Wave heights are in feet



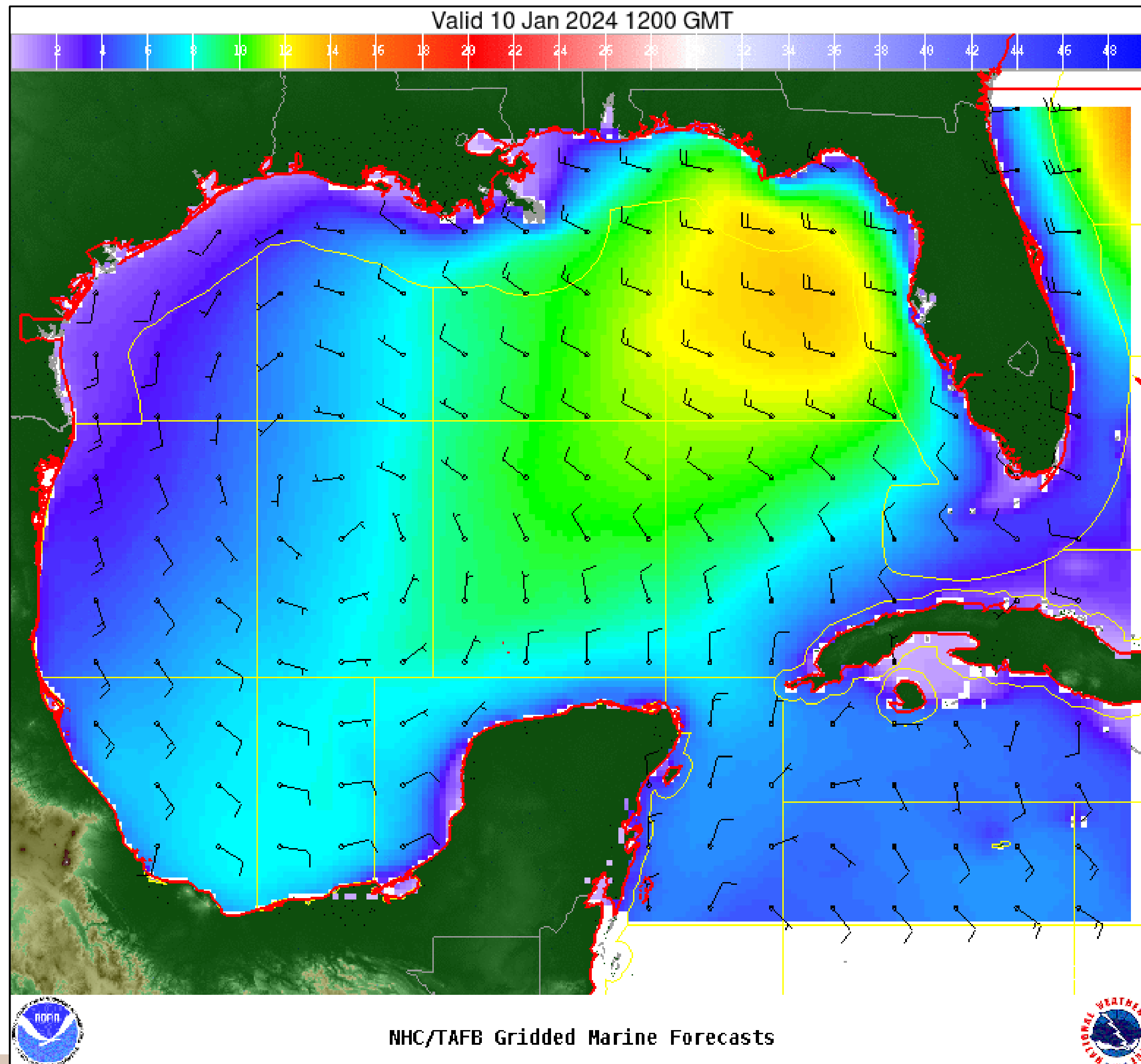
Significant Wave Height (ft)



# Wind And Waves



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Wed morning  
Peak Winds: 20 kt

- Wave heights are in feet



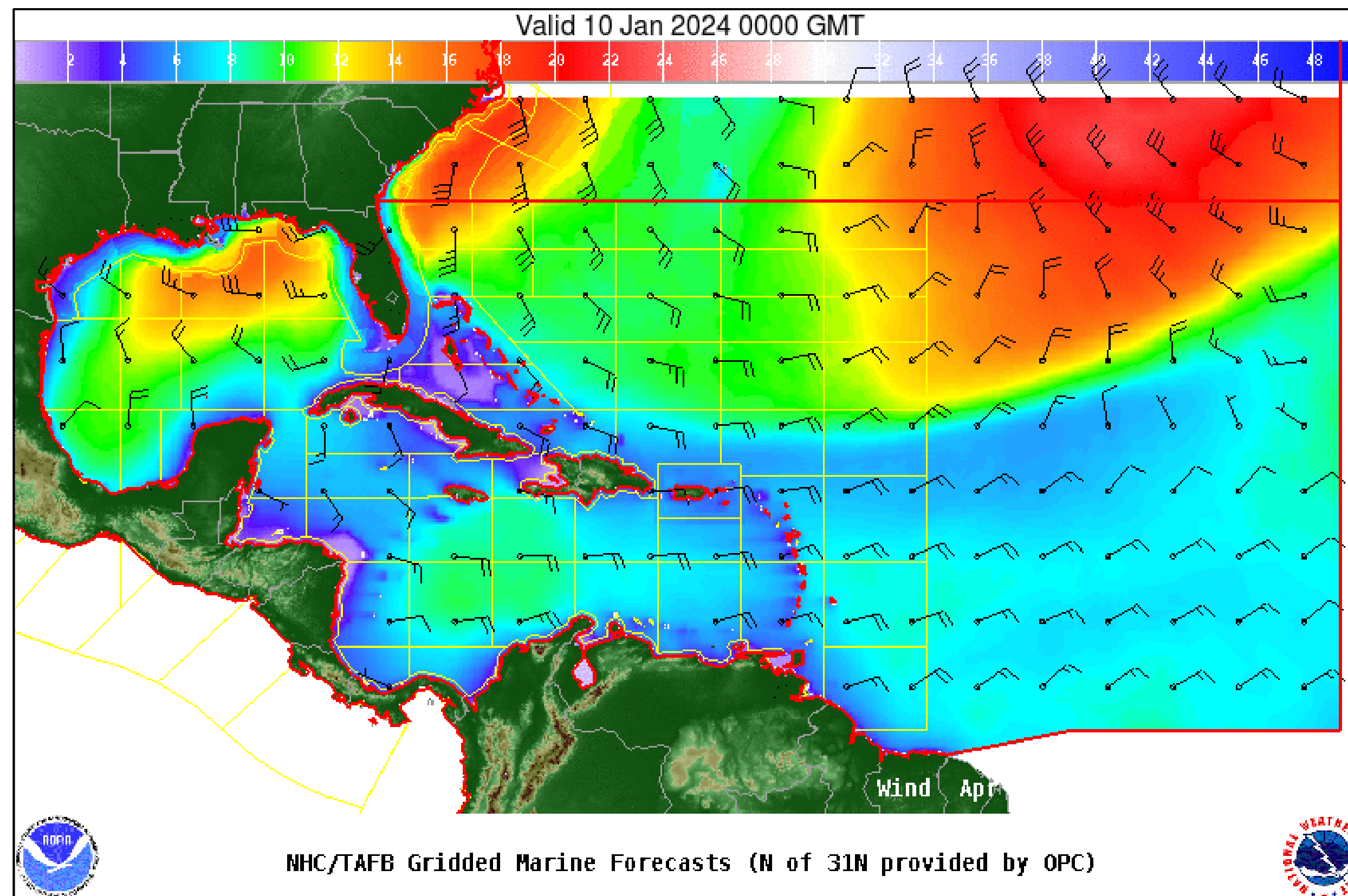
Significant Wave Height (ft)



# Wind And Waves



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Tue morning/evening  
Peak Winds: 35 kt

- Wave heights are in feet



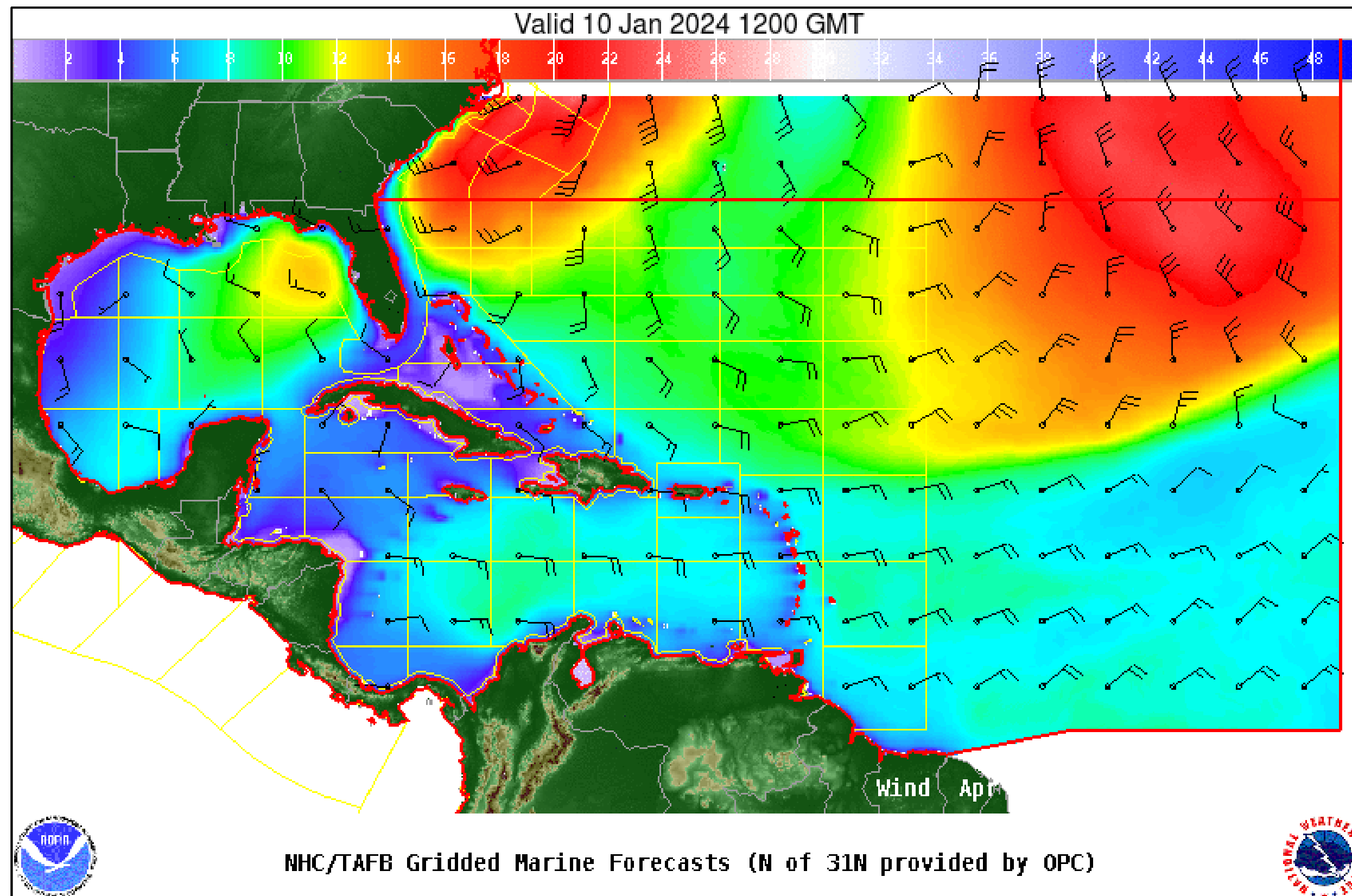
Significant Wave Height (ft)



# Wind And Waves



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Wed morning  
Peak Winds: 30-35 kt

- Wave heights are in feet



Significant Wave Height (ft)





# BRIEFING

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

*The Next Briefing Will Be:  
Saturday 5:00 PM EDT*

*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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