

IMPACTS FOR District 7 (through next 5 days)

Winds – Moderate

Storm Surge – None

Rainfall/Flash Flooding – Low

Tornadoes – Moderate

Waves - Moderate

WINTER STORM BRIEFING

Noon EST

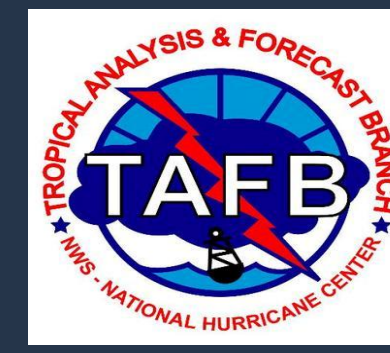
Monday, January 8, 2024

Prepared by:

Stephen Konarik

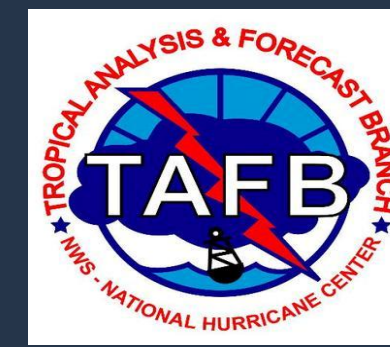
*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



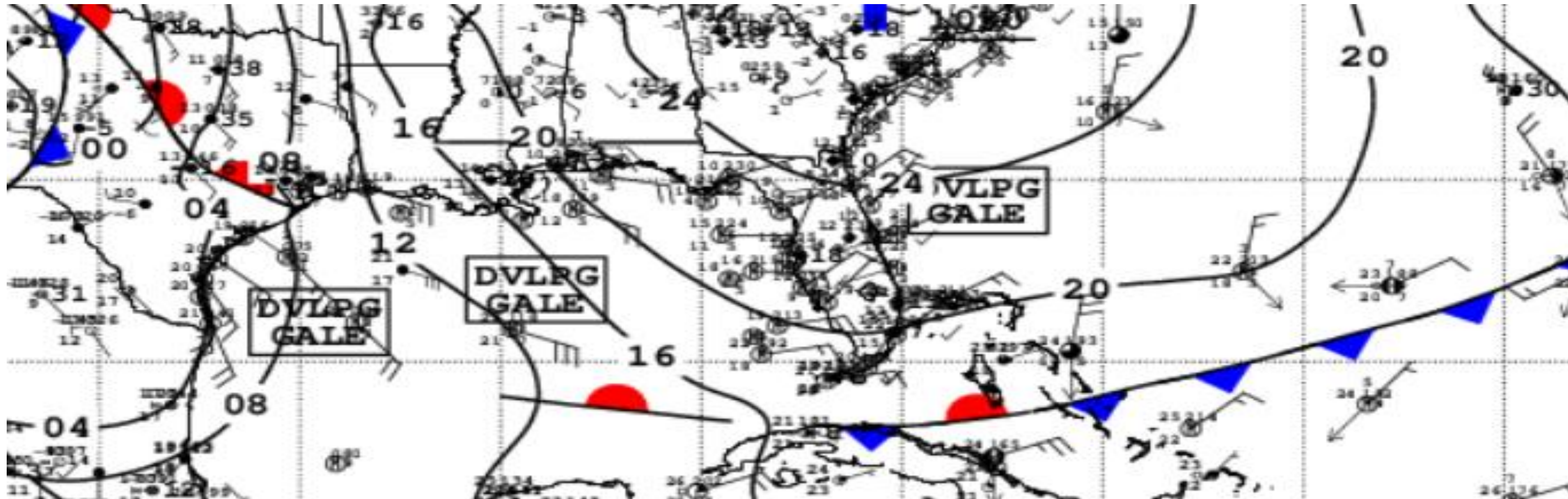


- Southerly Gales of 30 to 40 kt in NE Gulf of Mexico today into early Tue, with higher gusts, mainly N of Tampa Bay
- Southerly Gales of 30 to 40 kt offshore Florida's Atlantic coast, N of West Palm Beach, late tonight through Tue night.
- One or more bands or squall lines of severe thunderstorms with very strong winds possible tonight and Tue, all Gulf and Atlantic waters.

Surface Analysis



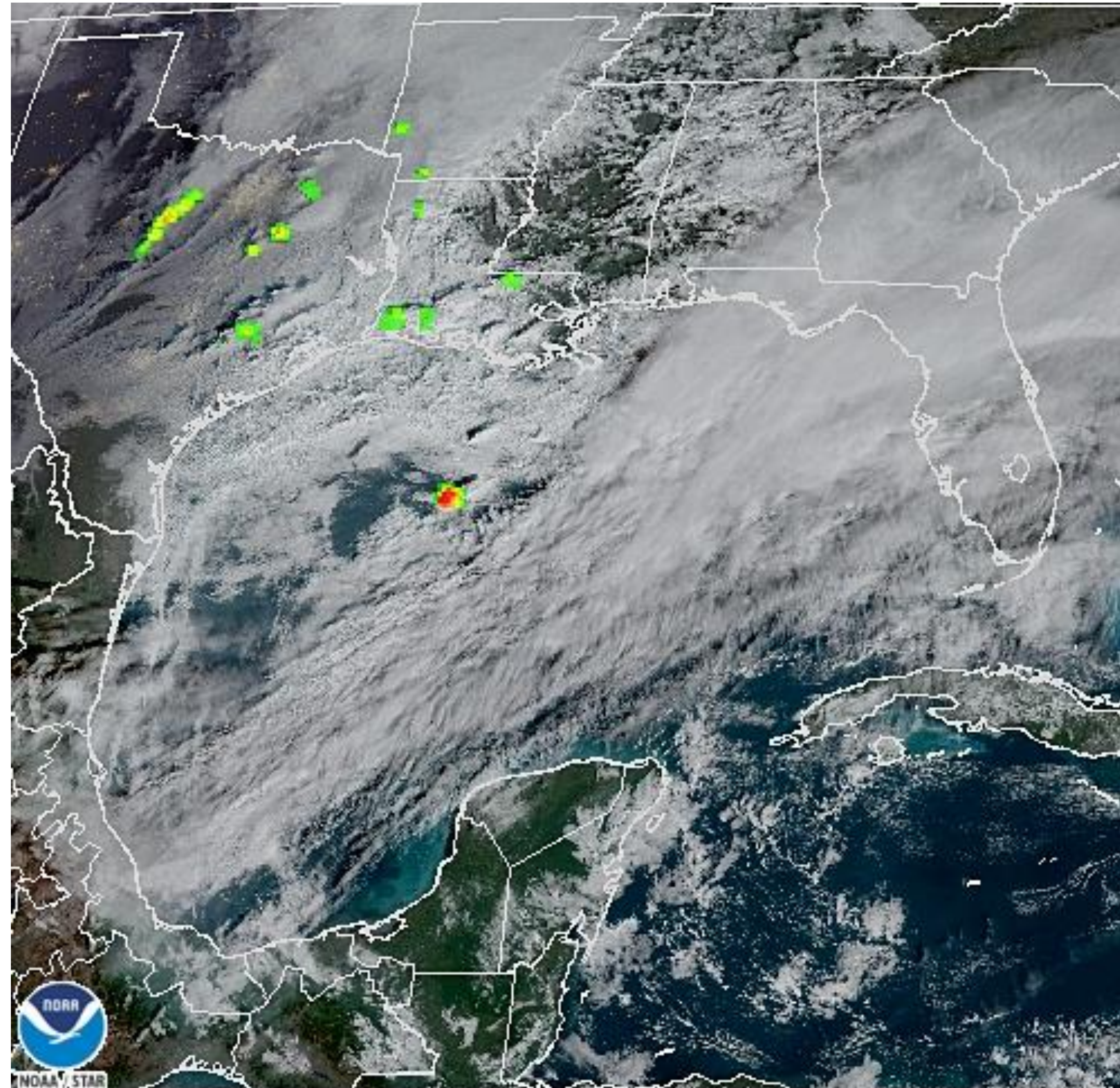
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Current Satellite View



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NWS National Hurricane Center



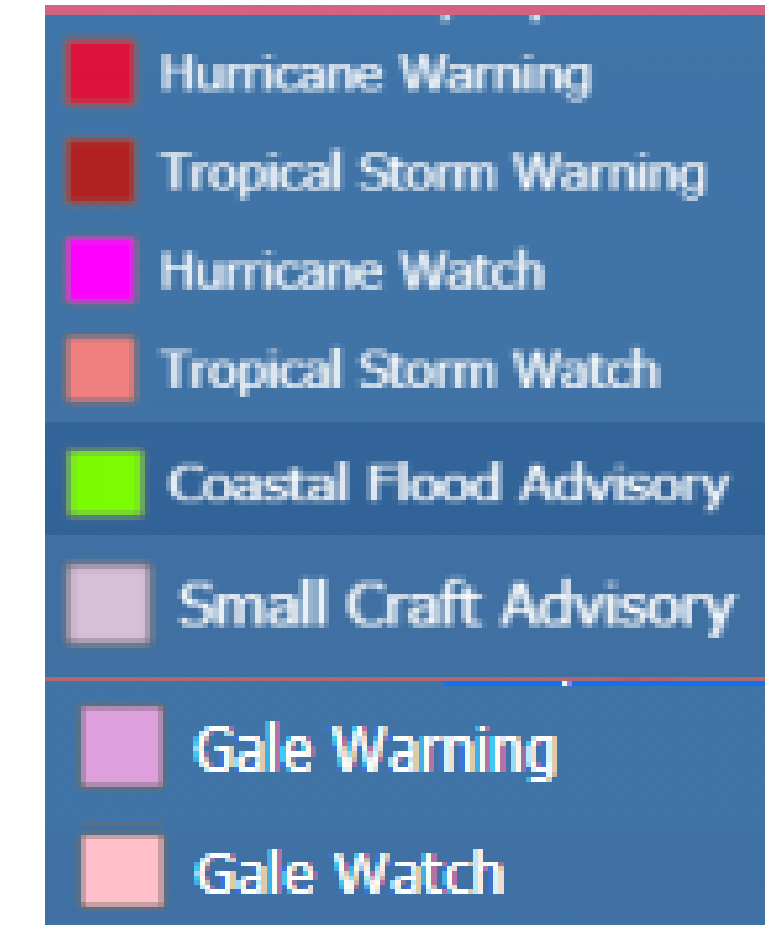
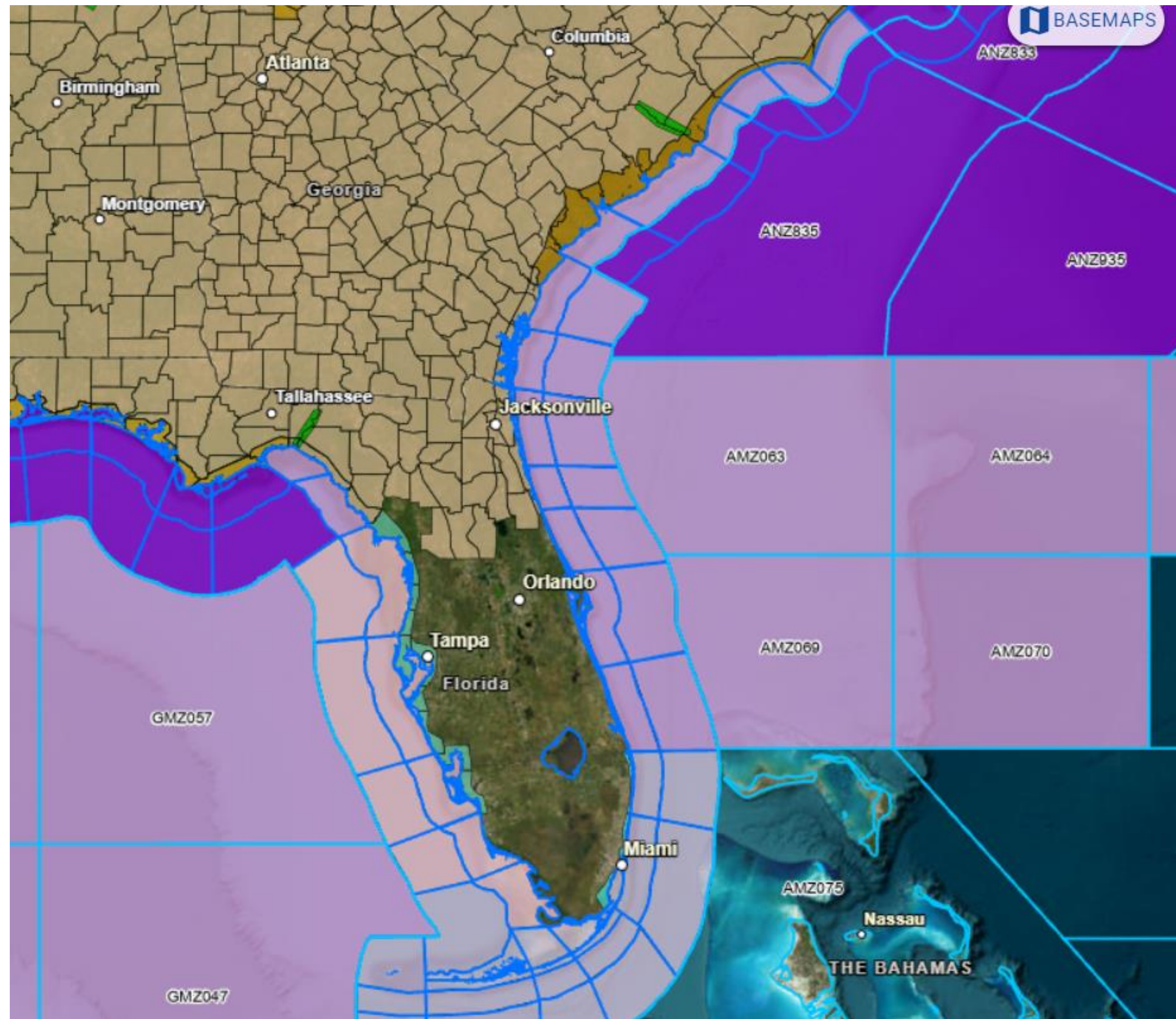
08 Jan 2024 14:46 NESDIS/STAR GOES-East GLM FED

Hazards Map

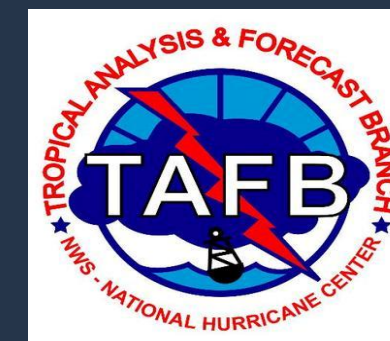
Tropical Storm Elsa



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NWS National Hurricane Center



GULF OF MEXICO FORECAST

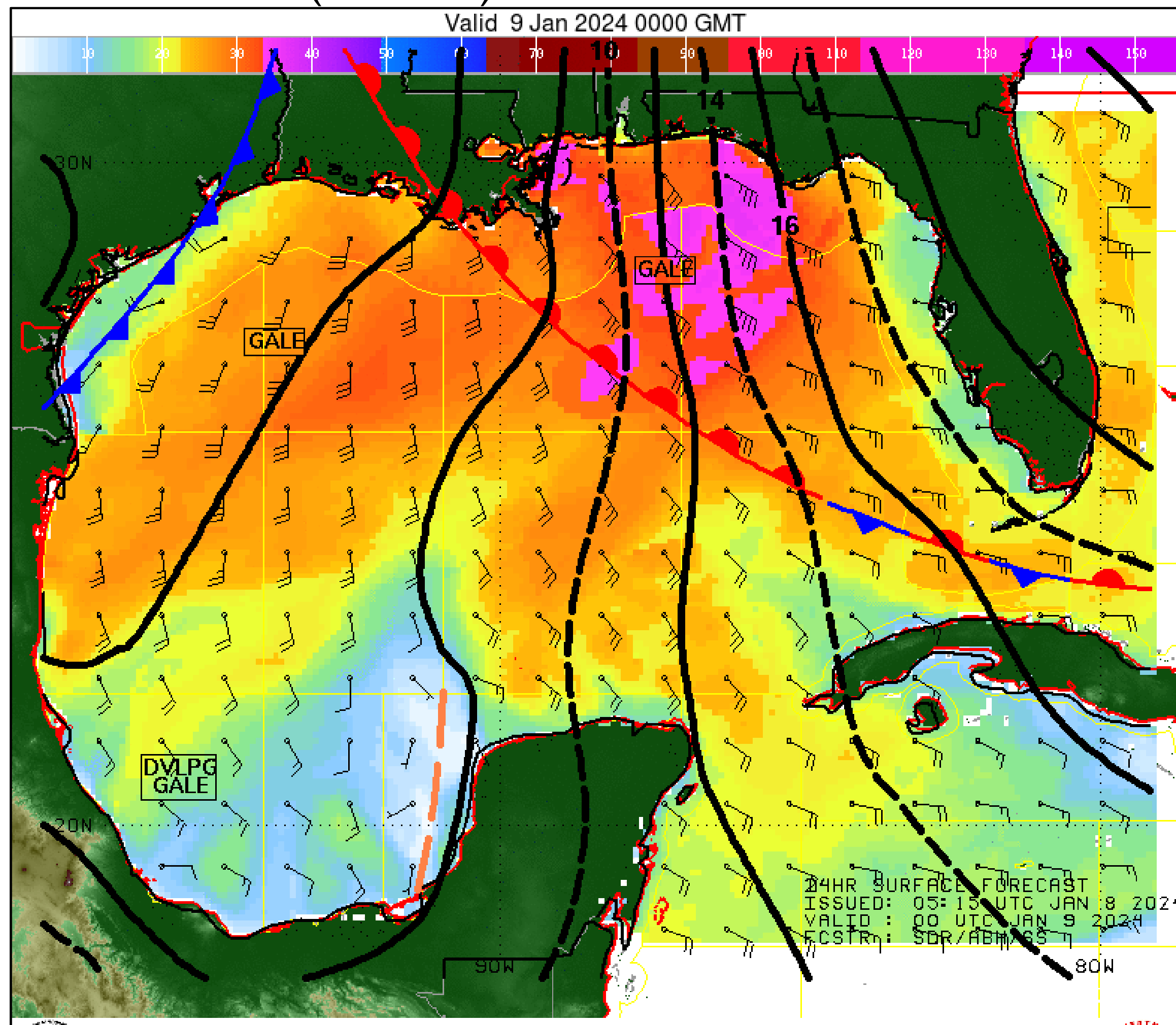


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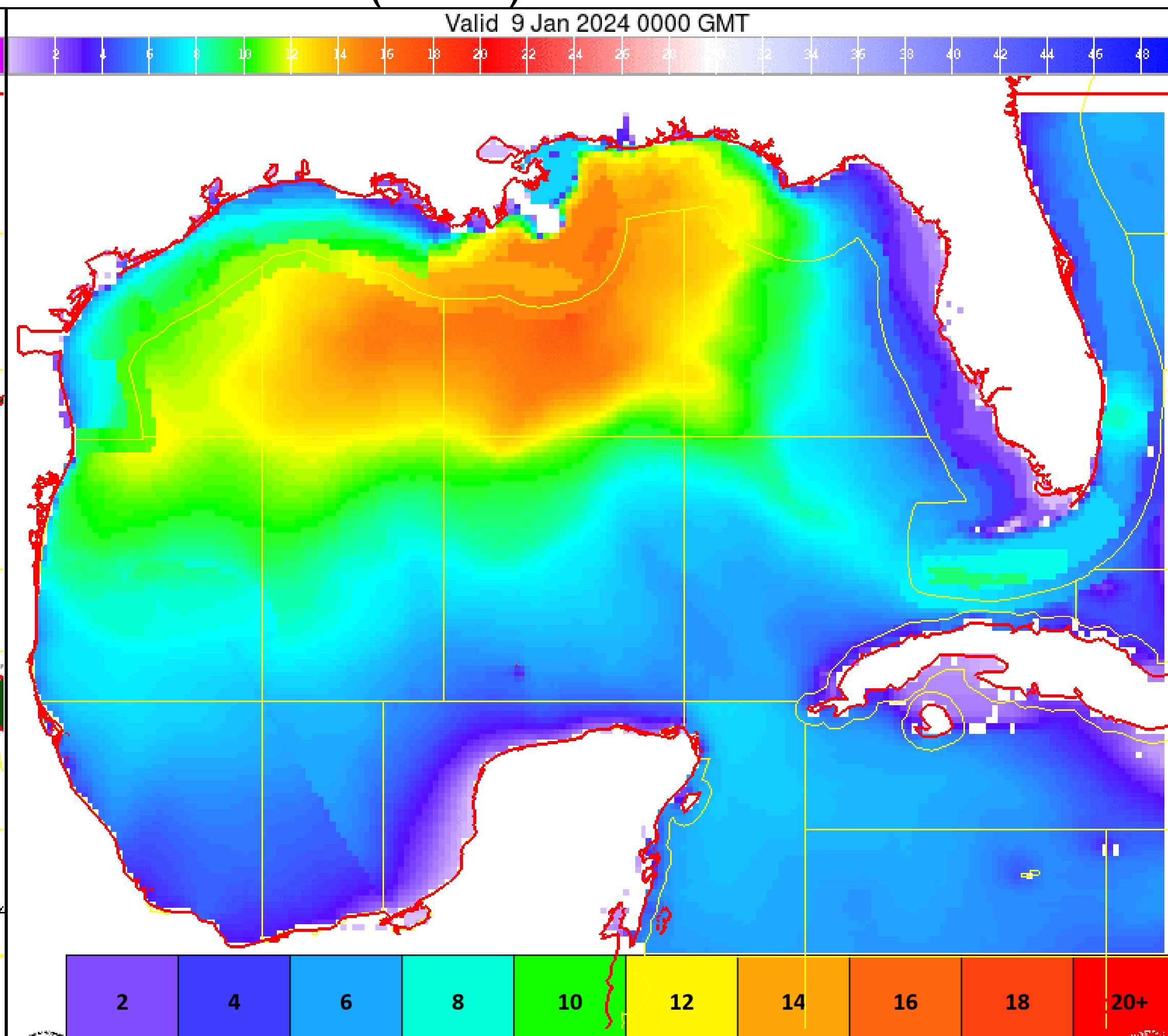
12 Hour Forecast **THIS EVENING**

WIND SPEED (in knots) **Peak Winds: SE 35 KT**

WAVE HEIGHT (in feet) **Peak Seas: 16 FT**



NHC/TAFB Gridded Marine Forecasts



NHC/TAFB Gridded Marine Forecasts
Significant Wave Height (ft)

GULF OF MEXICO FORECAST

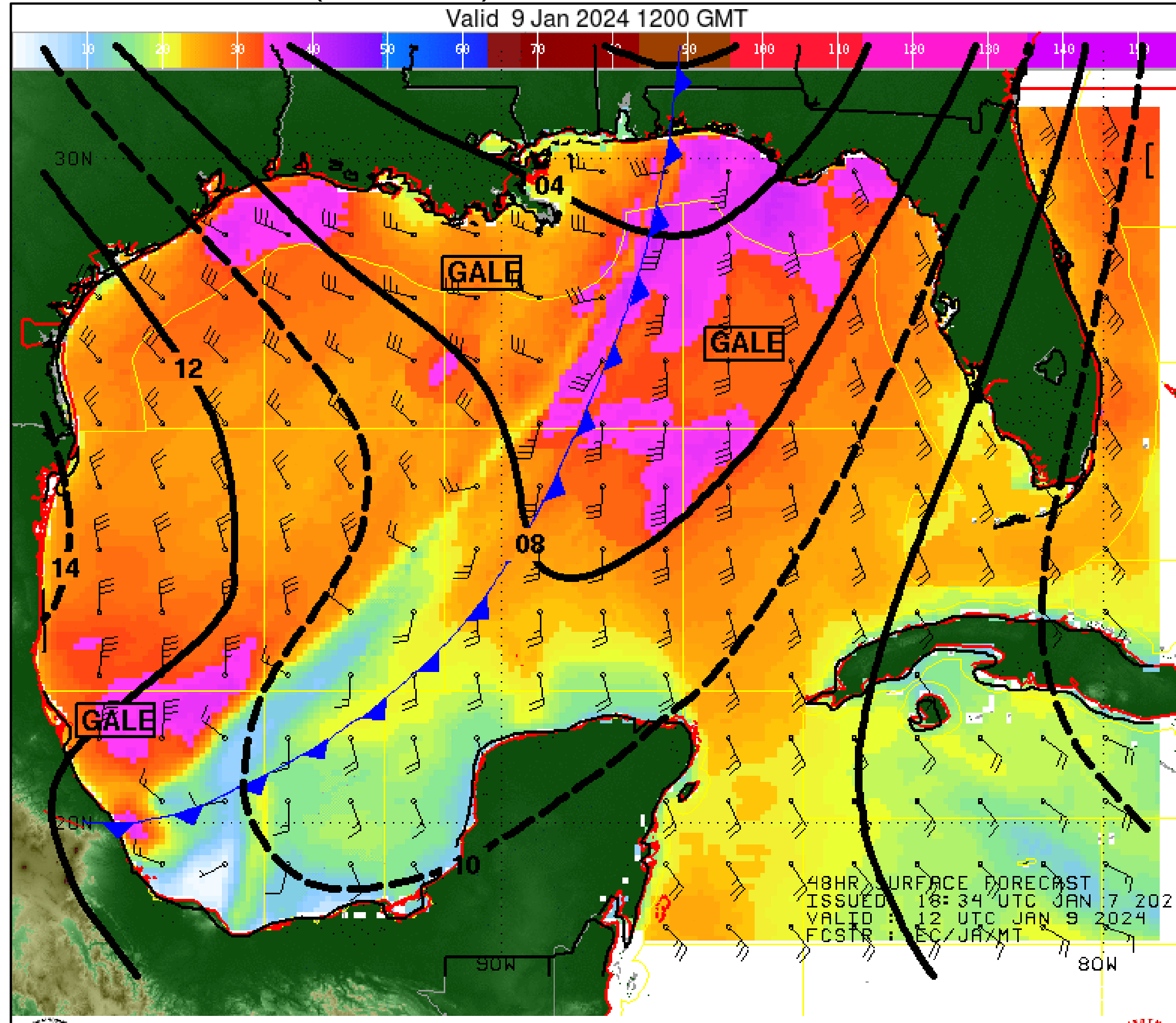


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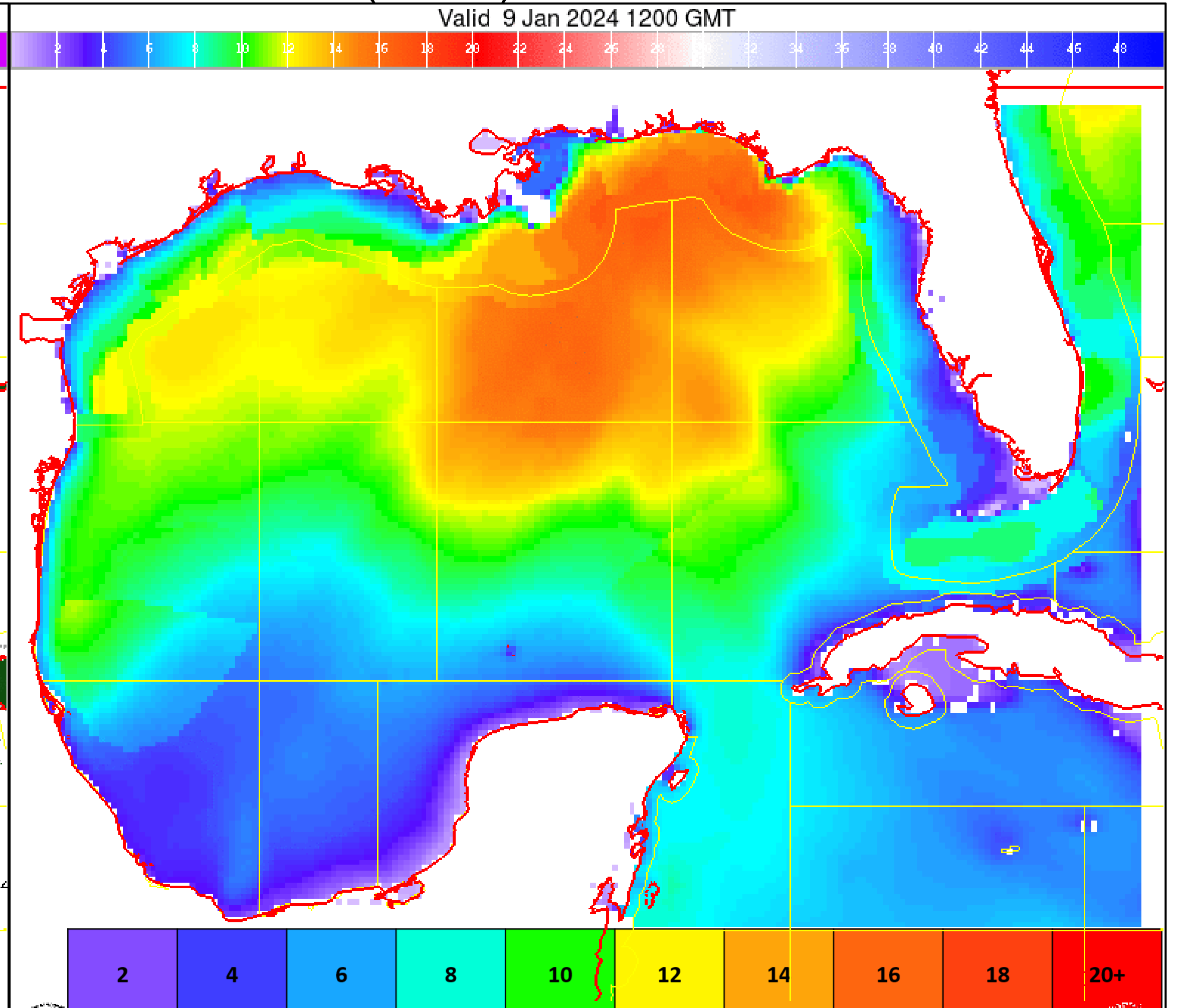
24 Hour Forecast **TUESDAY MORNING**

WIND SPEED (in knots) **Peak Winds: S 40 KT**

WAVE HEIGHT (in feet) **Peak Seas: 18 FT**



NHC/TAFB Gridded Marine Forecasts



NHC/TAFB Gridded Marine Forecasts
Significant Wave Height (ft)

GULF OF MEXICO FORECAST

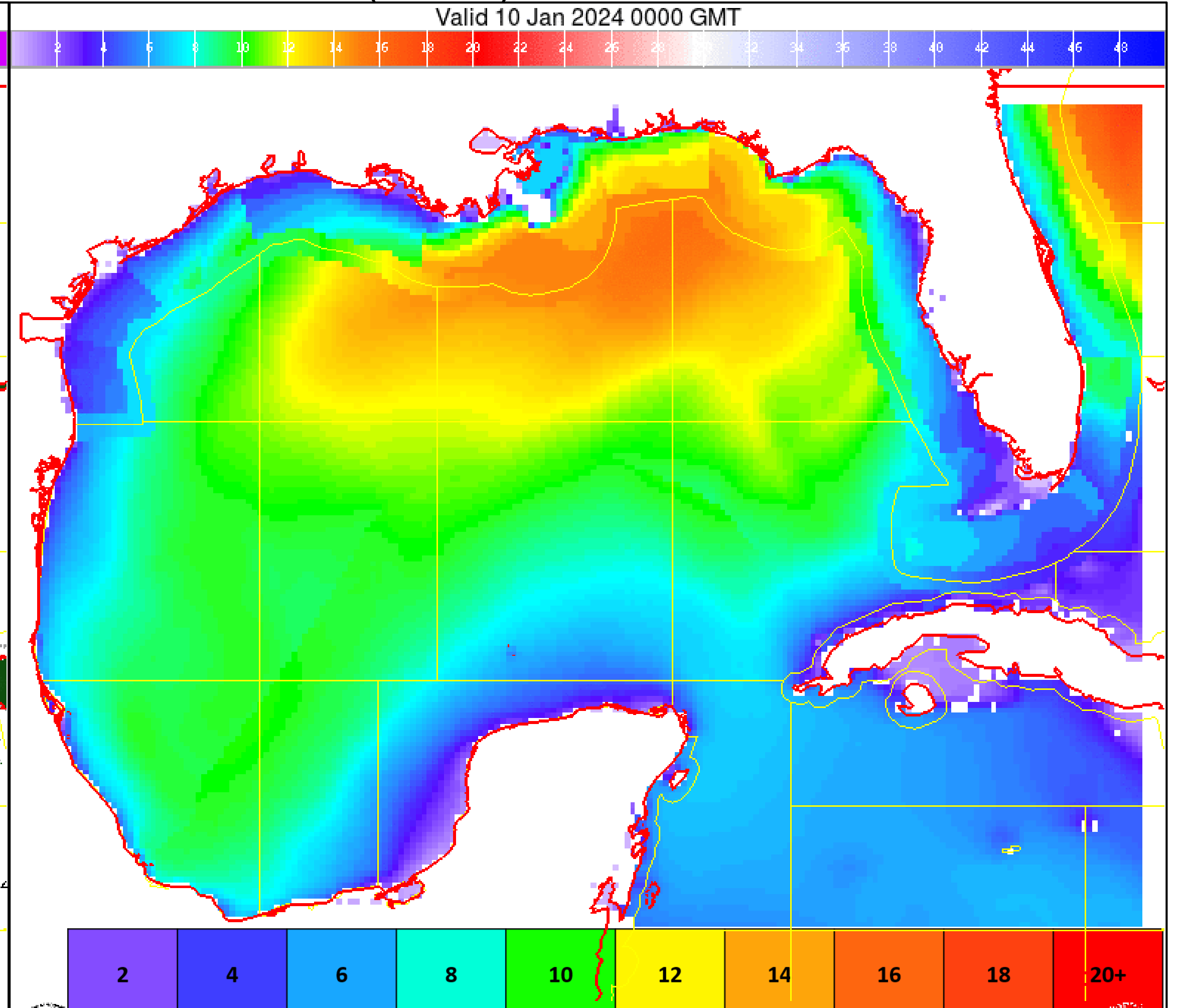
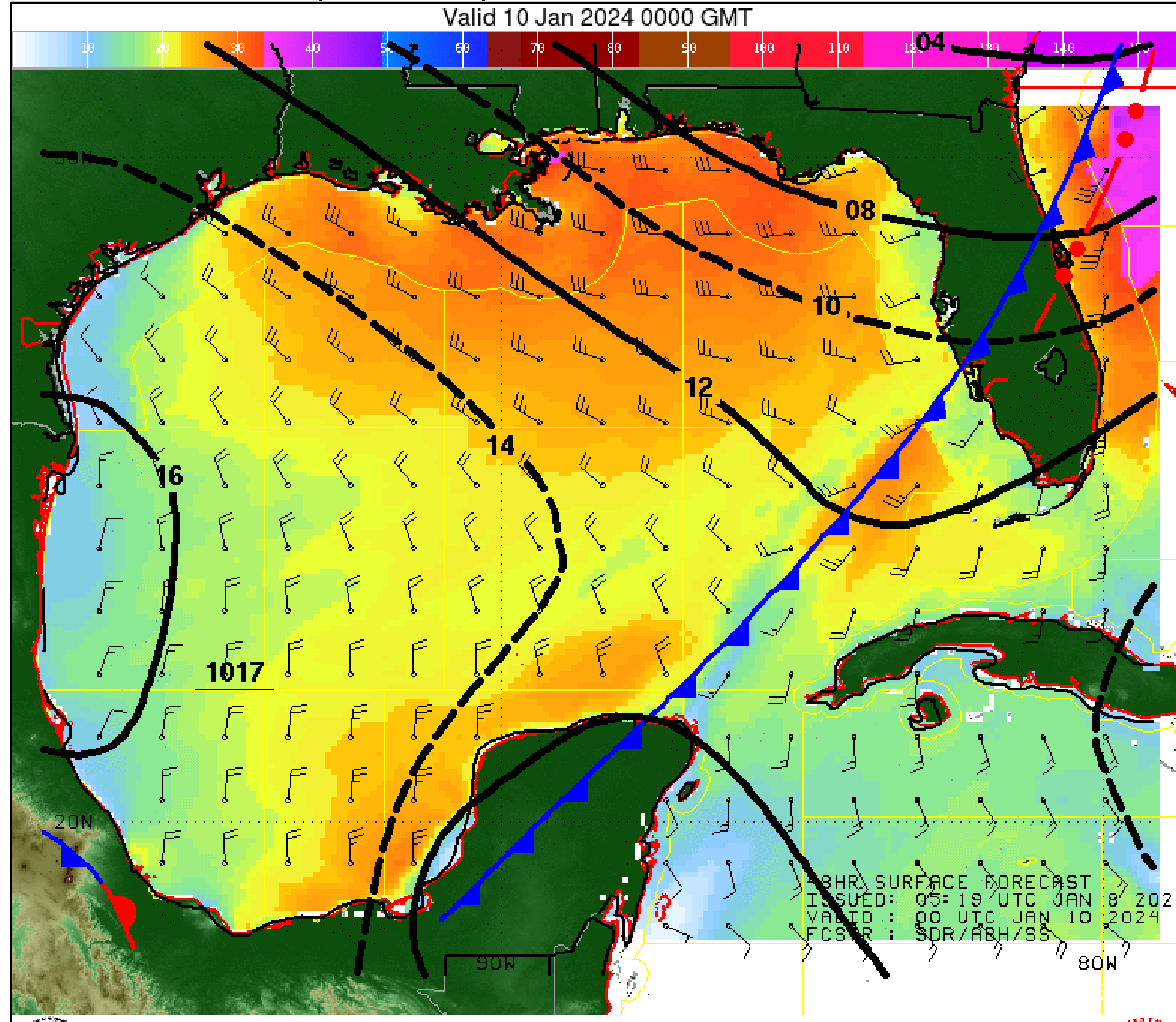
36 Hour Forecast **TUESDAY EVENING**



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

WIND SPEED (in knots) **Peak Winds: SW 30 KT**

WAVE HEIGHT (in feet) **Peak Seas: 16 FT**



NHC/TAFB Gridded Marine Forecasts

NHC/TAFB Gridded Marine Forecasts
Significant Wave Height (ft)

GULF OF MEXICO FORECAST

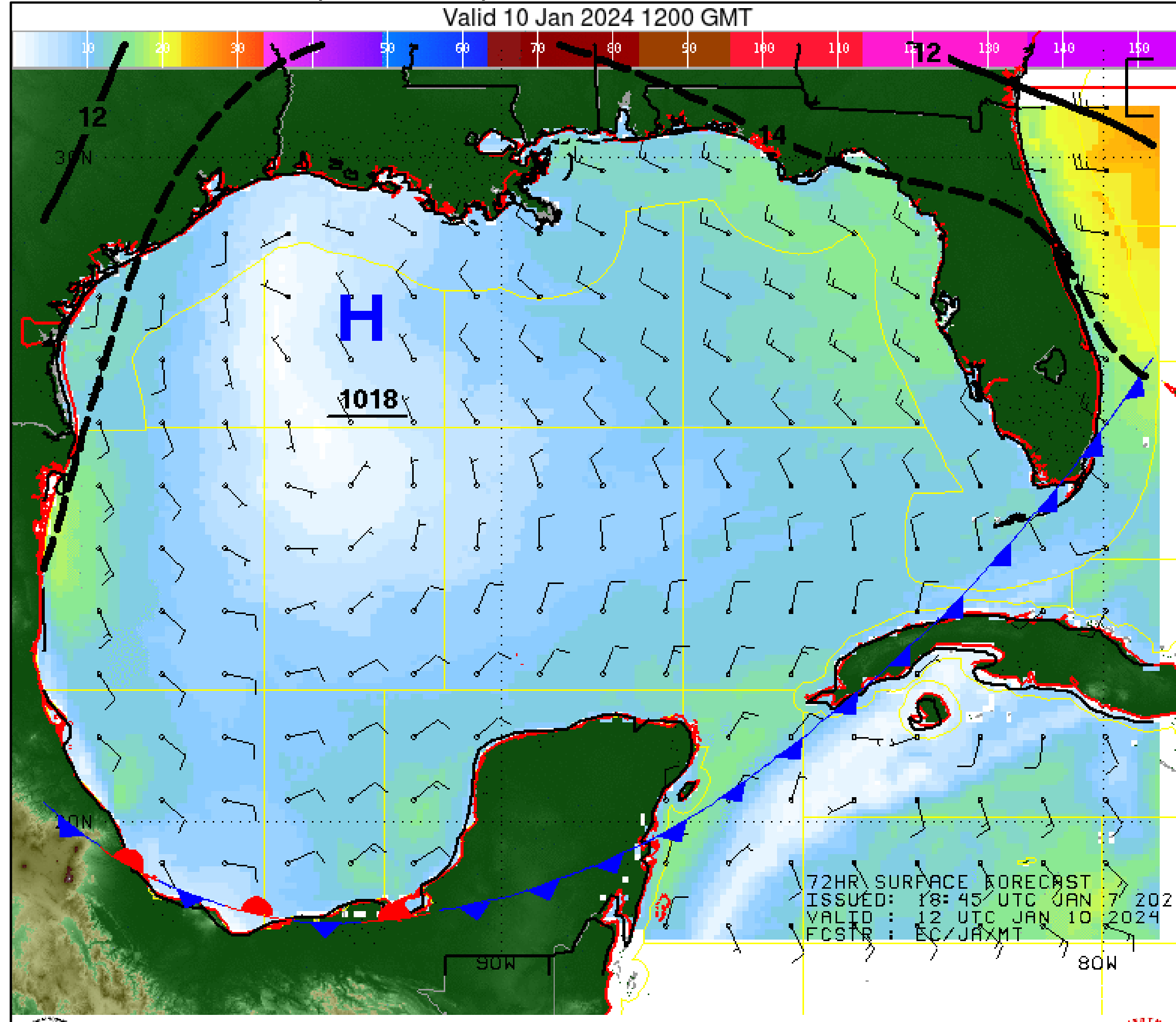
48 Hour Forecast **WEDNESDAY MORNING**



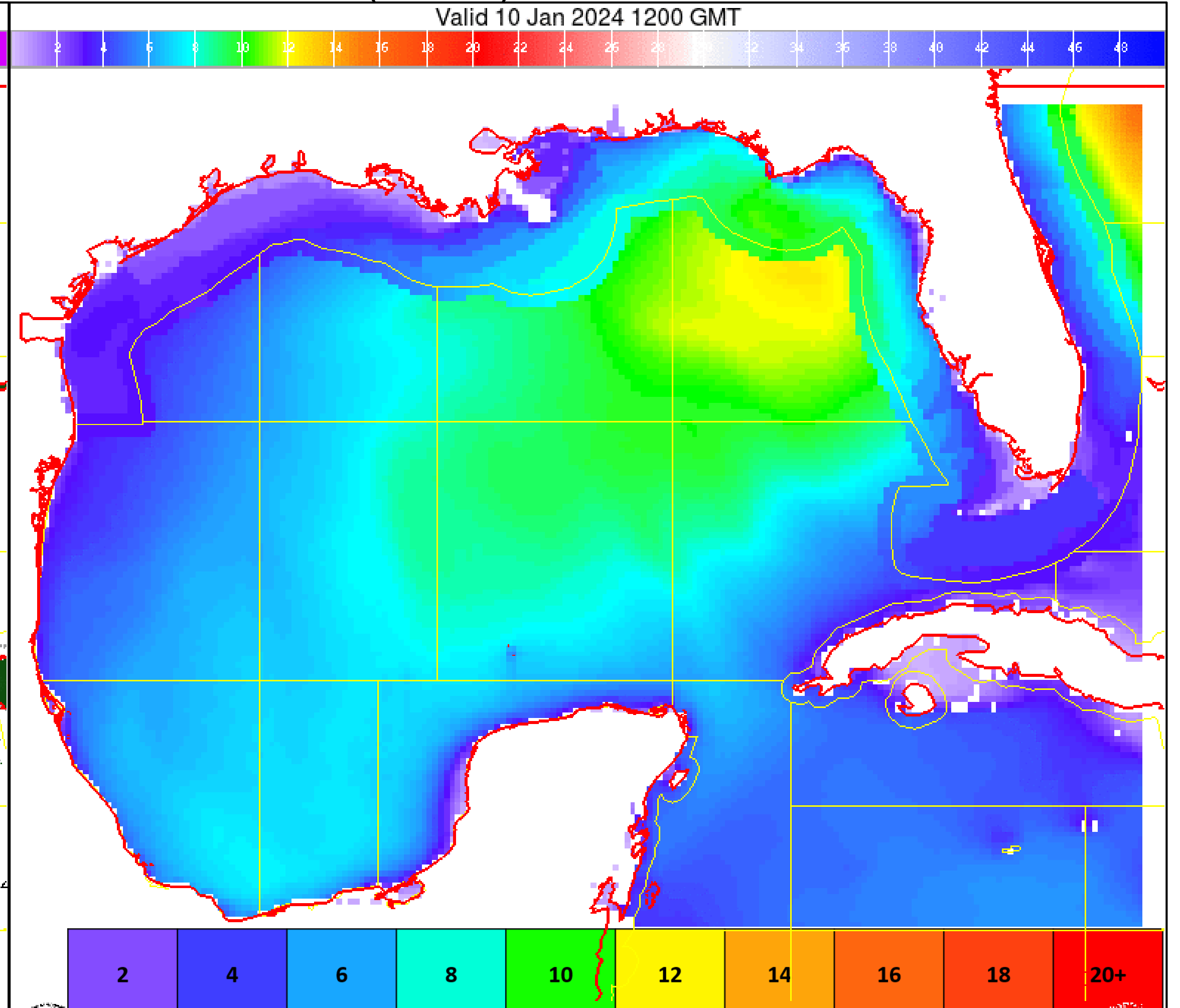
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NWS National Hurricane Center

WIND SPEED (in knots) **Peak Winds: NW 15 KT**

WAVE HEIGHT (in feet) **Peak Seas: 13 FT**



NHC/TAFB Gridded Marine Forecasts



NHC/TAFB Gridded Marine Forecasts
Significant Wave Height (ft)

ATLANTIC FORECAST

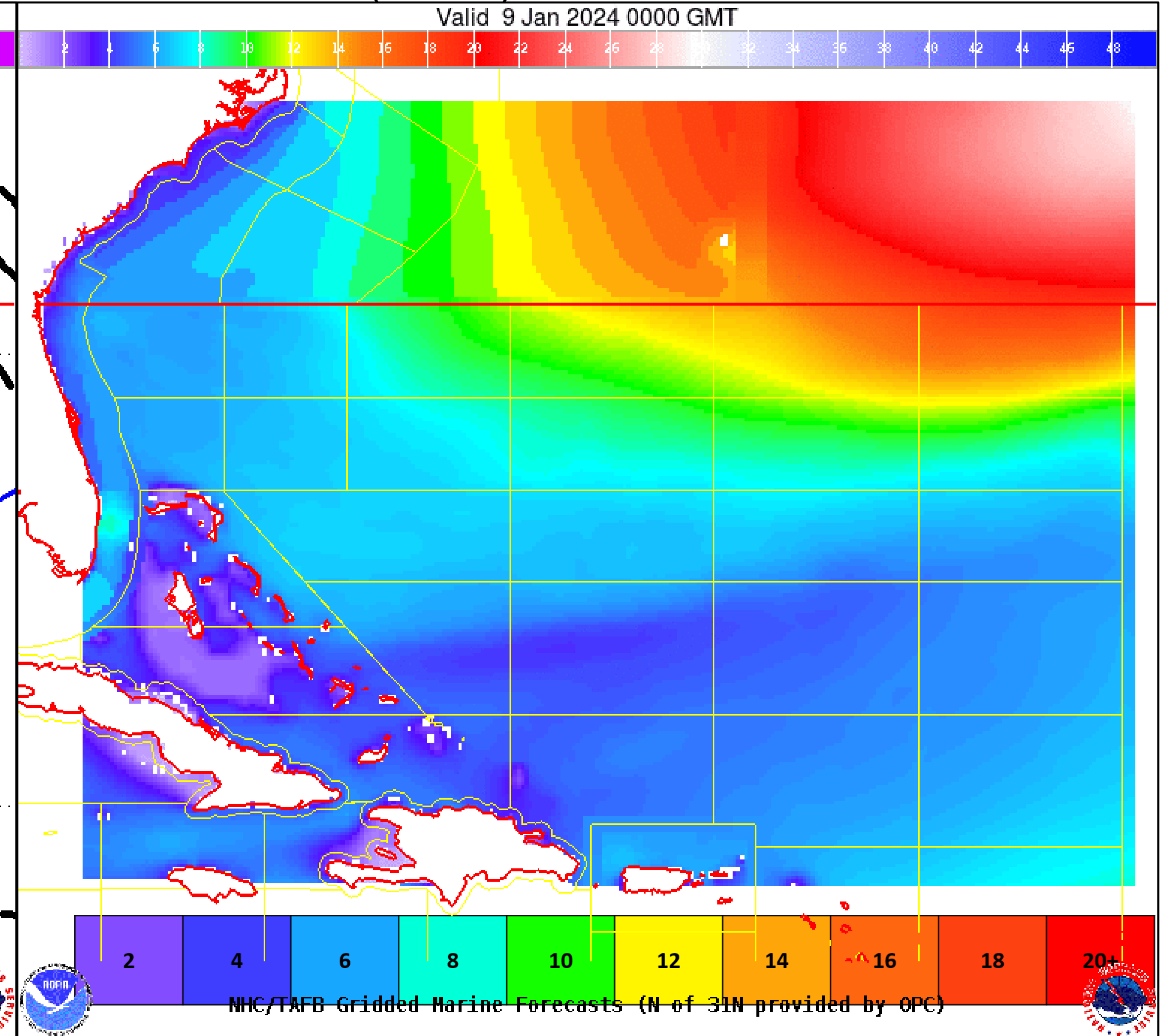
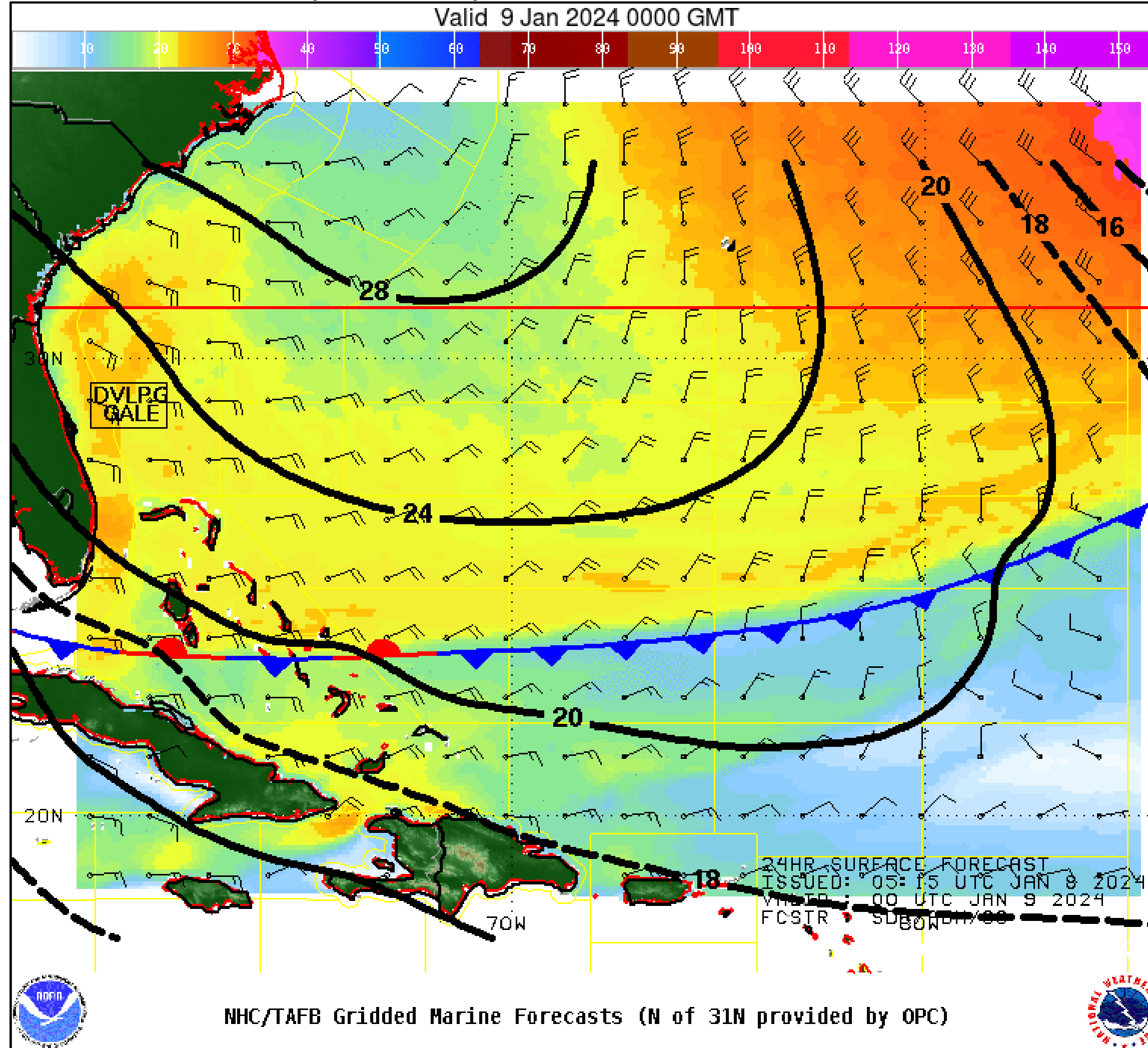


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

12 Hour Forecast **This Evening**

WIND SPEED (in knots) **Peak Winds: SE 25 KT**

WAVE HEIGHT (in feet) **Peak Seas: 10 FT**



NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

Sustained Wind Speed (kt)

Significant Wave Height (ft)

ATLANTIC FORECAST

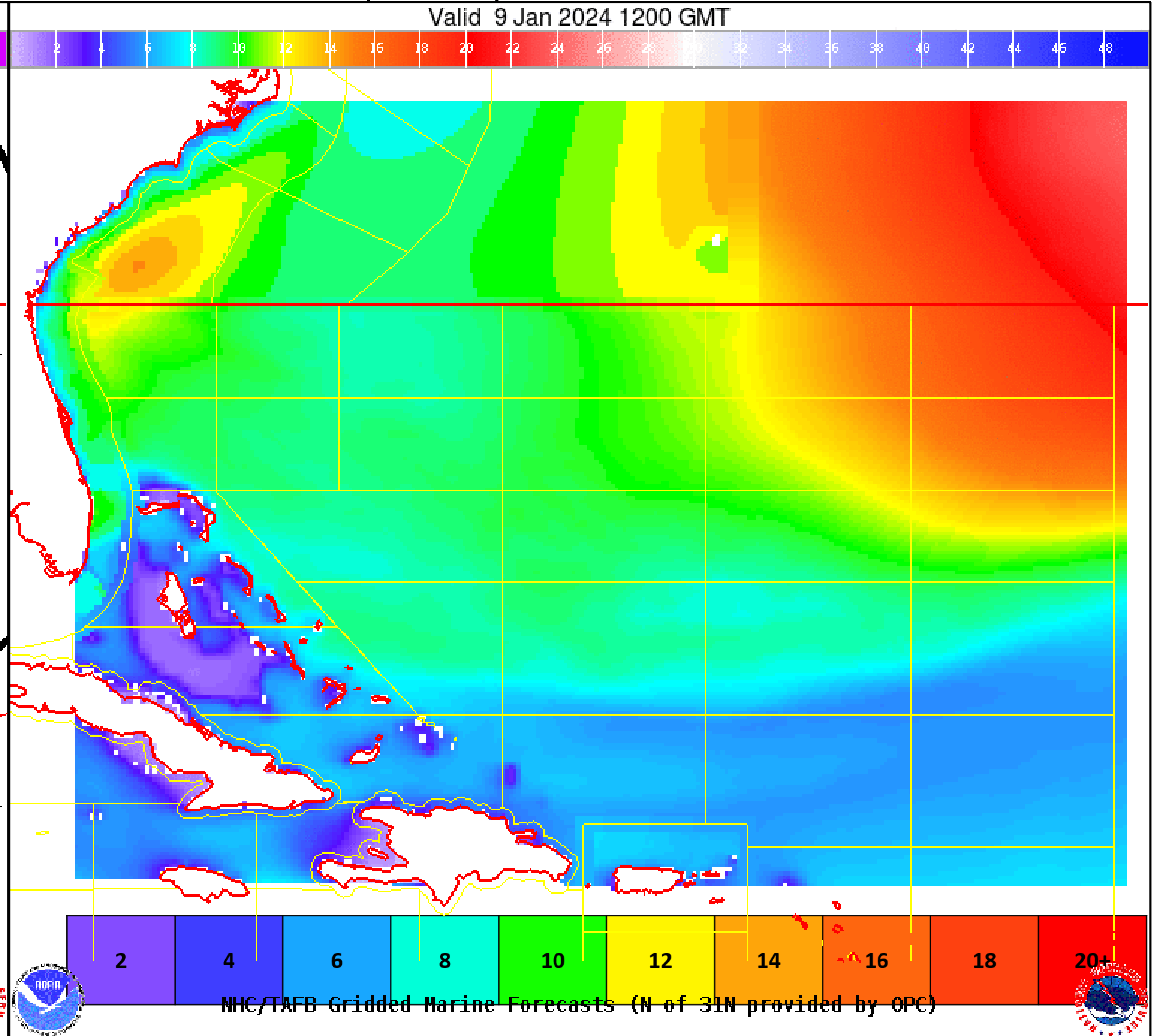
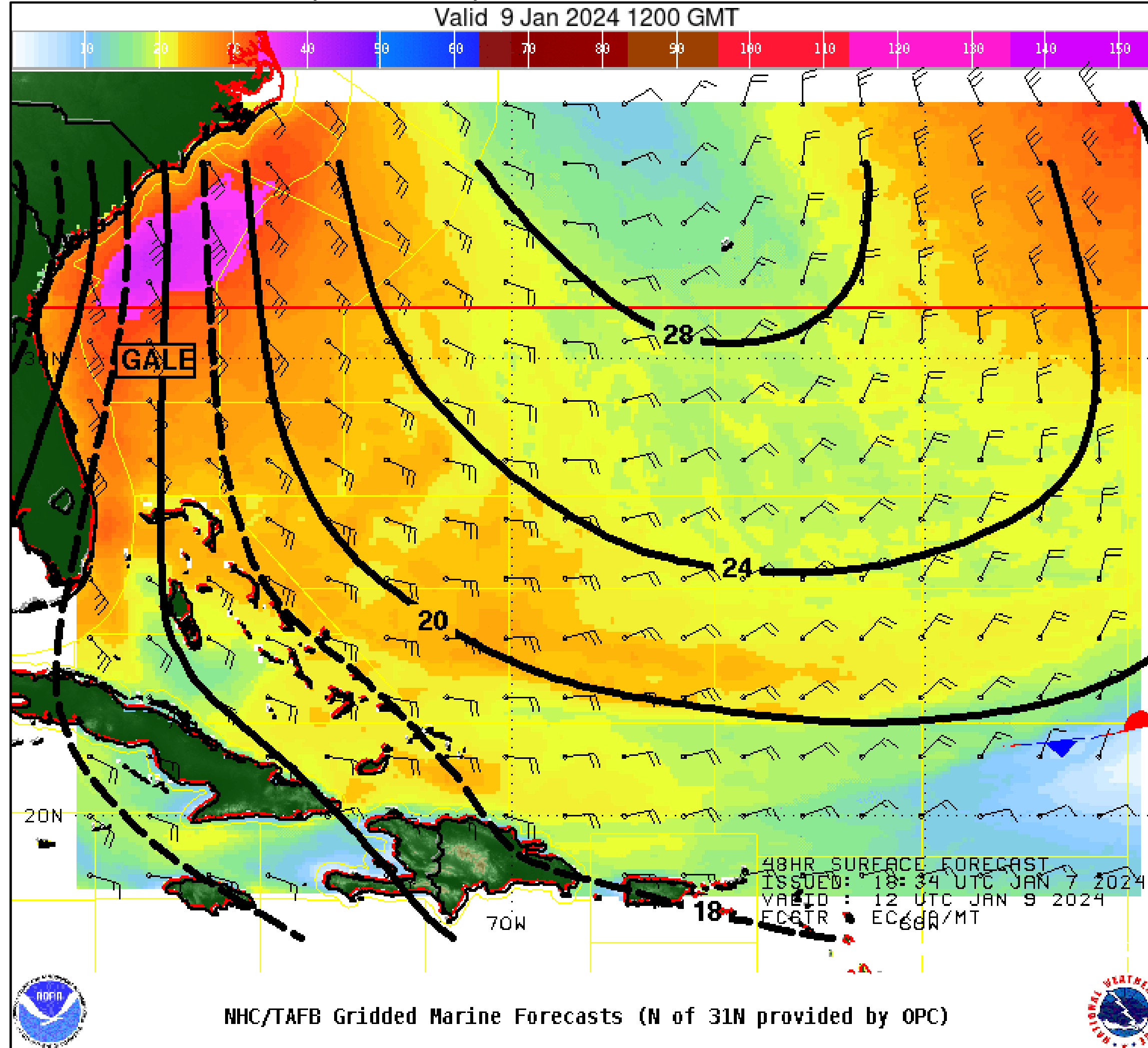
24 Hour Forecast **TUESDAY MORNING**



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

WIND SPEED (in knots) **Peak Winds: SE 35 KT**

WAVE HEIGHT (in feet) **Peak Seas: 14 FT**



NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

Sustained Wind Speed (kt)

Significant Wave Height (ft)

ATLANTIC FORECAST

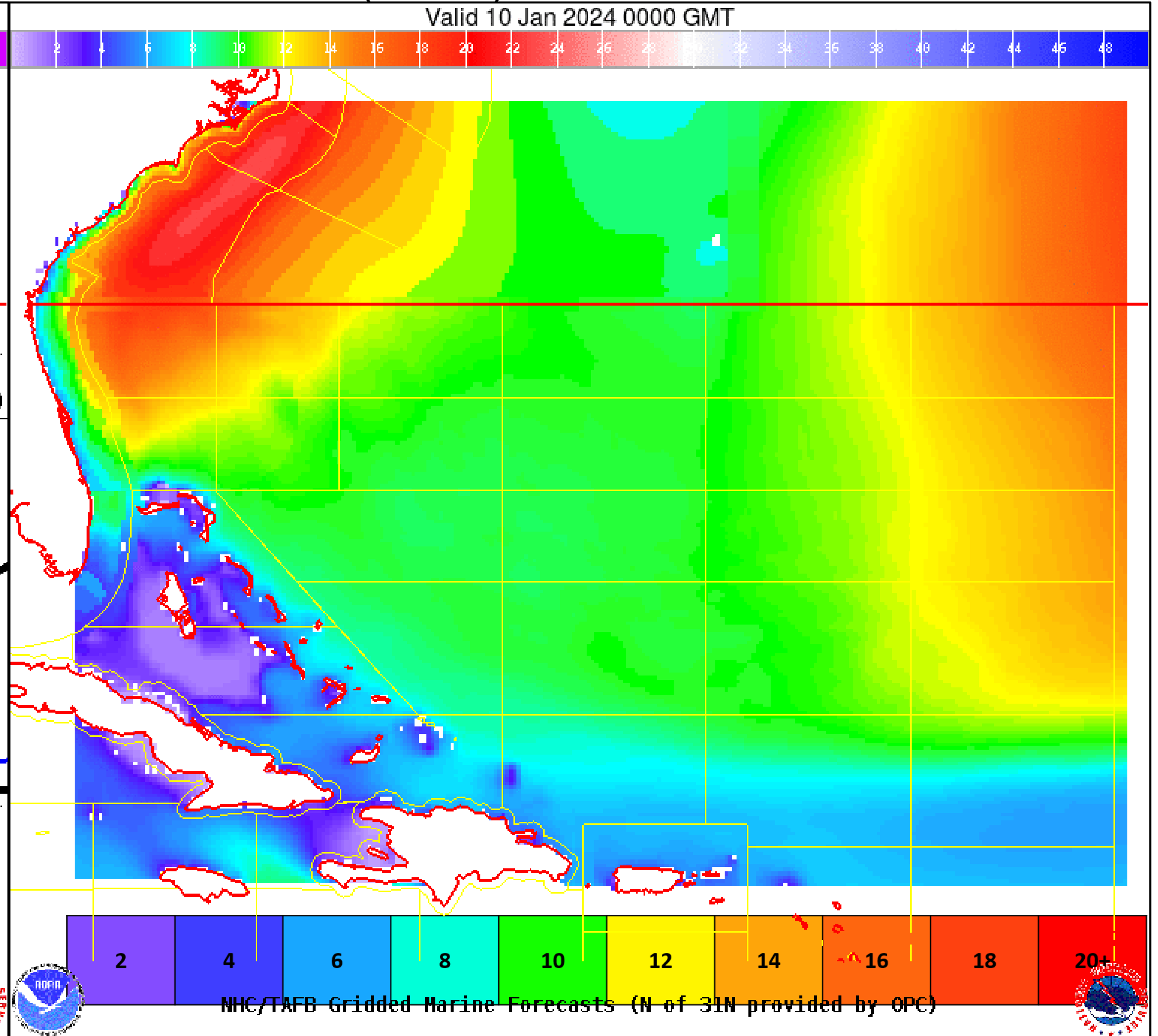
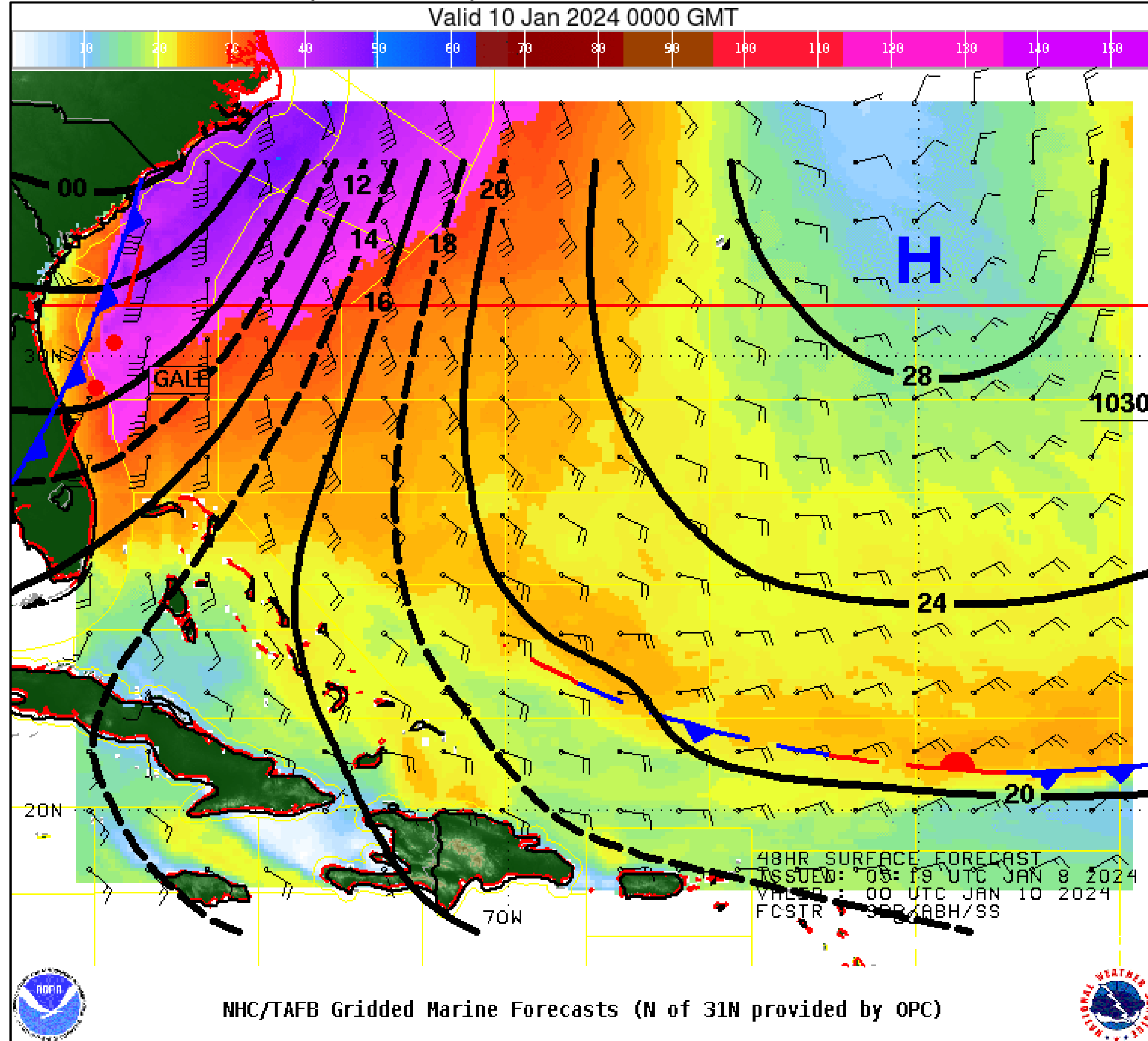
36 Hour Forecast **TUESDAY EVENING**



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

WIND SPEED (in knots) **Peak Winds: S 40 KT**

WAVE HEIGHT (in feet) **Peak Seas: 19 FT**



NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

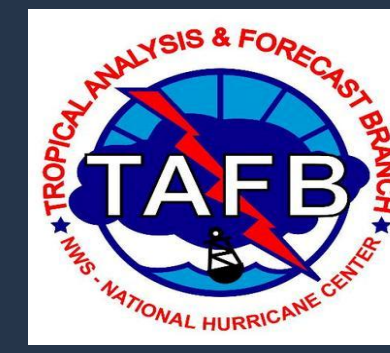
NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

Sustained Wind Speed (kt)

Significant Wave Height (ft)

ATLANTIC FORECAST

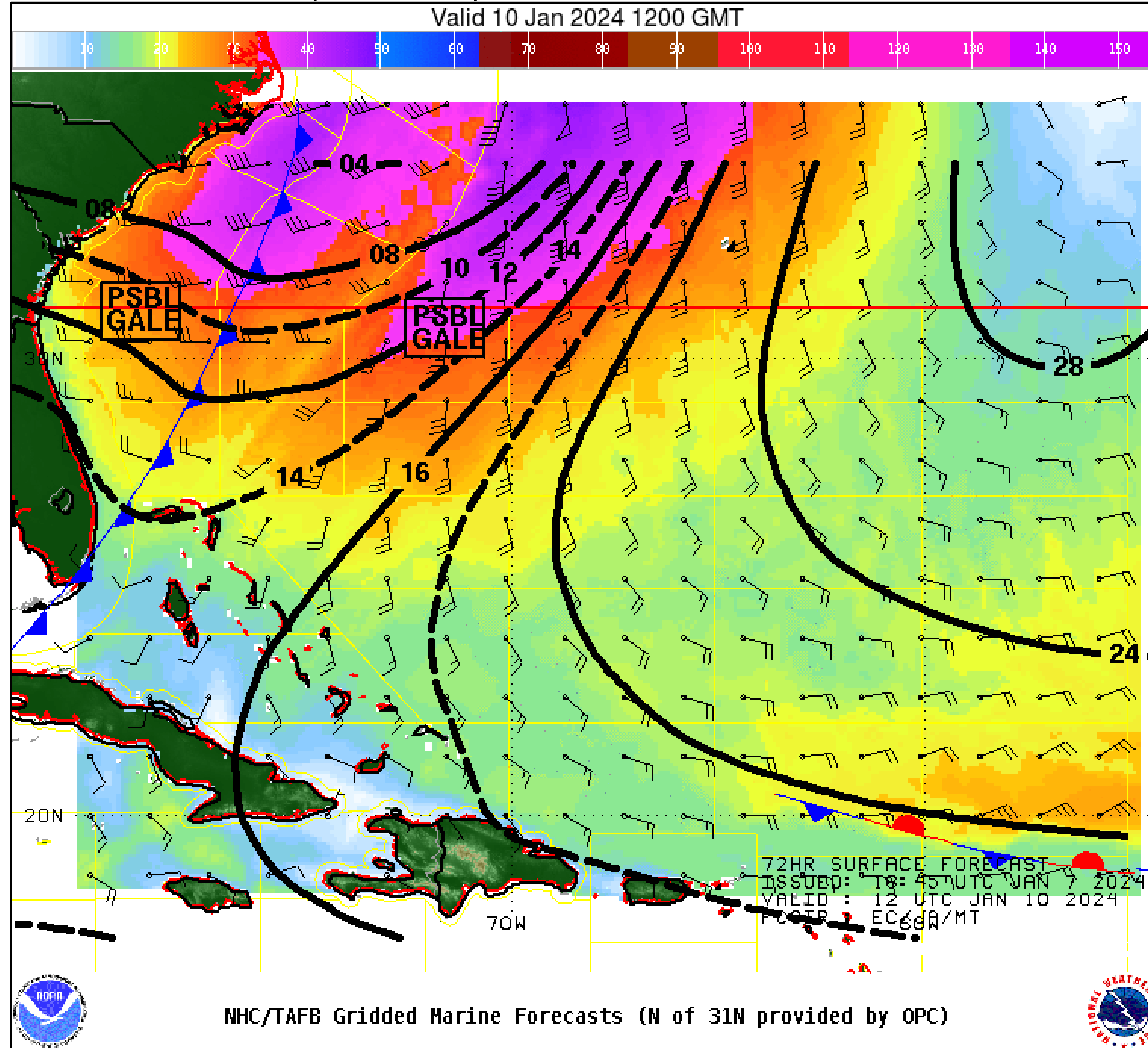
48 Hour Forecast **WEDNESDAY MORNING**



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

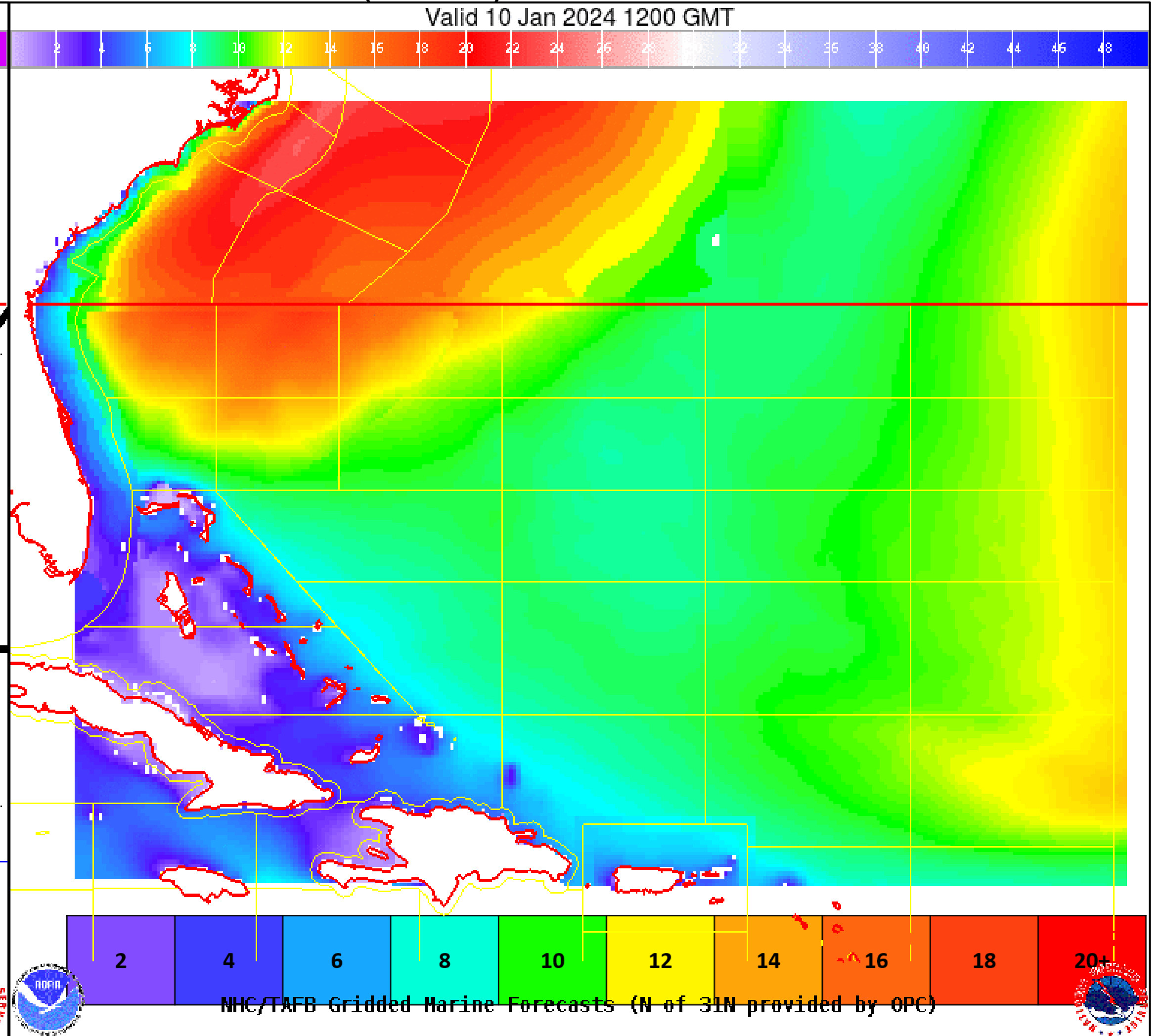
WIND SPEED (in knots) **Peak Winds: SW 35 KT**

WAVE HEIGHT (in feet) **Peak Seas: 18 FT**



NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

Sustained Wind Speed (kt)



NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

Significant Wave Height (ft)

ATLANTIC FORECAST

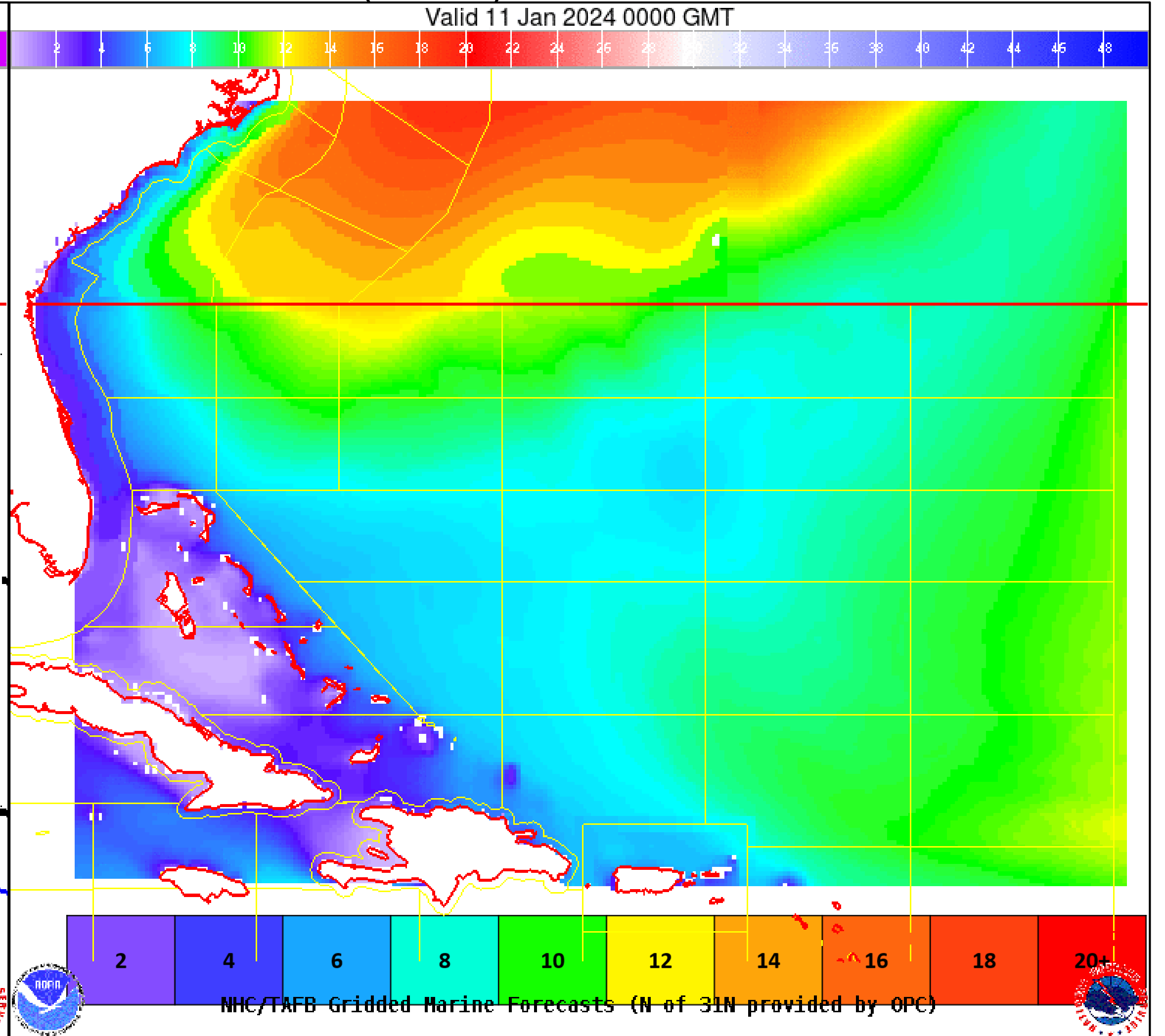
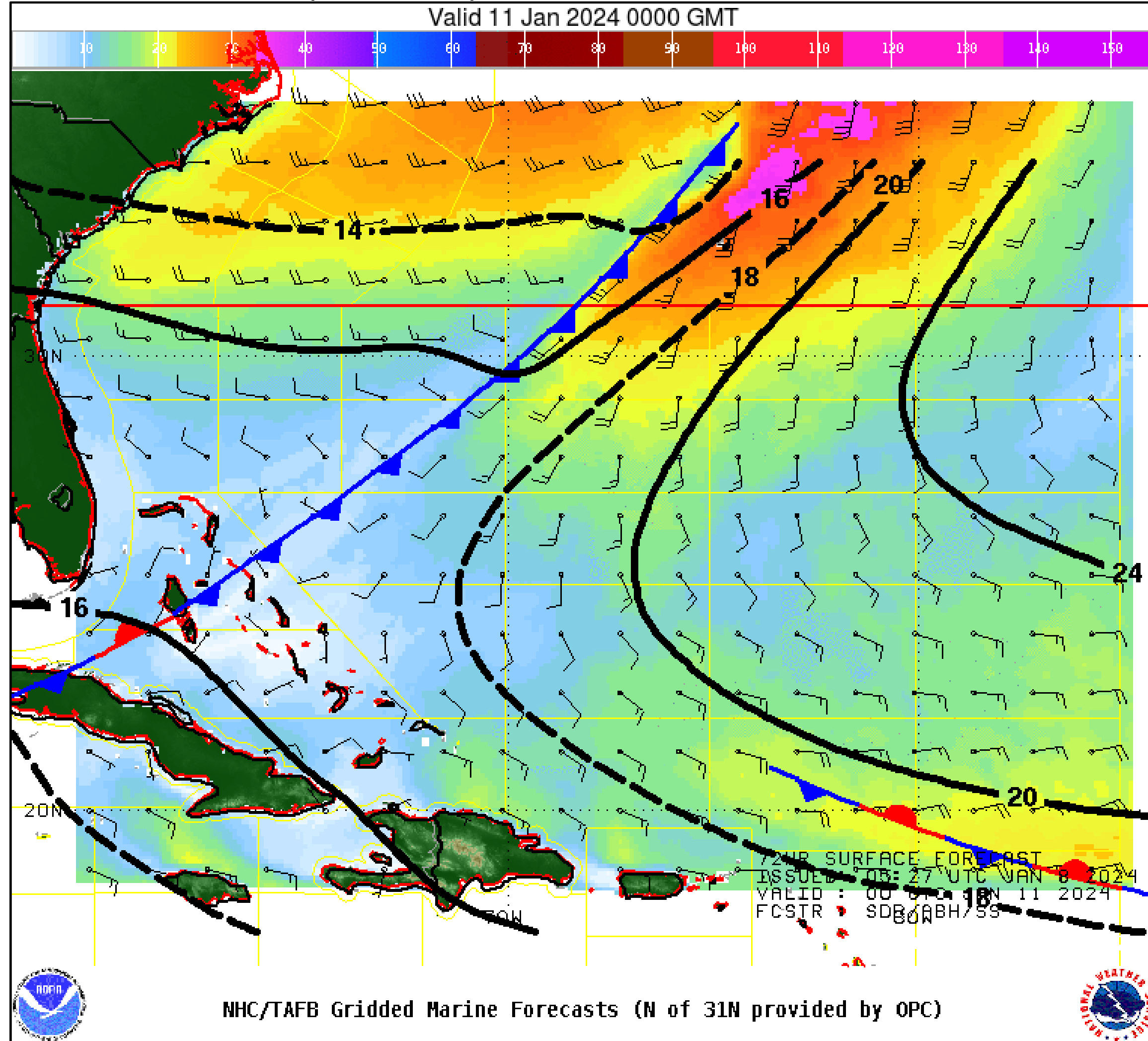


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NWS National Hurricane Center

60 Hour Forecast **WEDNESDAY EVENING**

WIND SPEED (in knots) **Peak Winds: W 25 KT**

WAVE HEIGHT (in feet) **Peak Seas: 14 FT**



NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

Sustained Wind Speed (kt)

Significant Wave Height (ft)

Expected Storm Total Rainfall and Chance of Rainfall Flooding

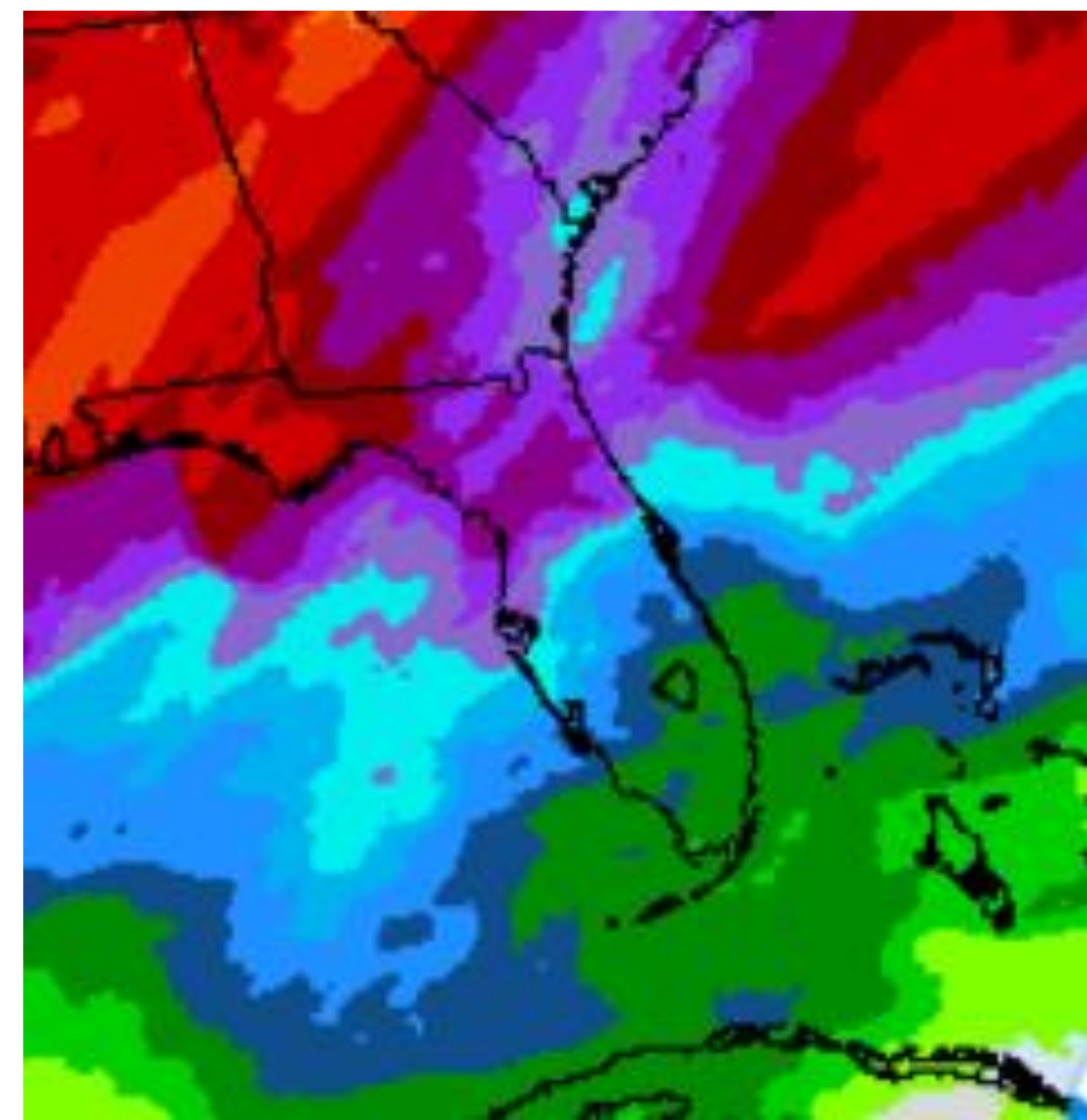
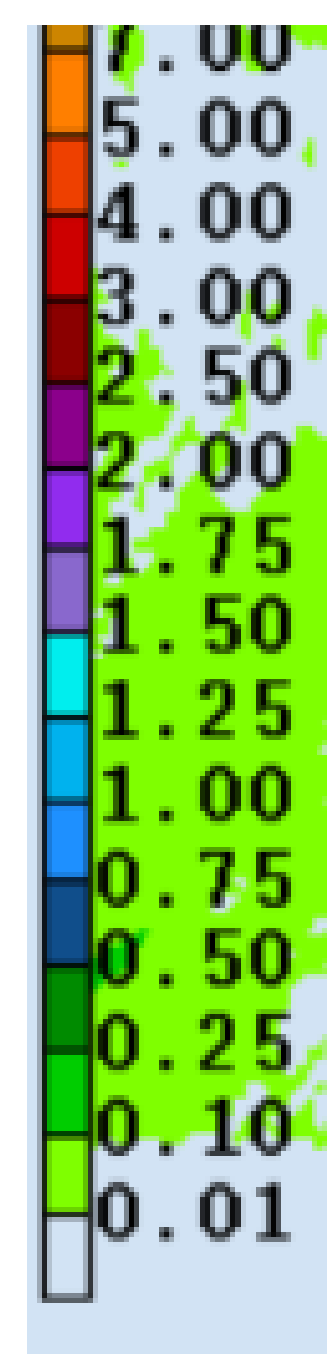


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NWS National Hurricane Center

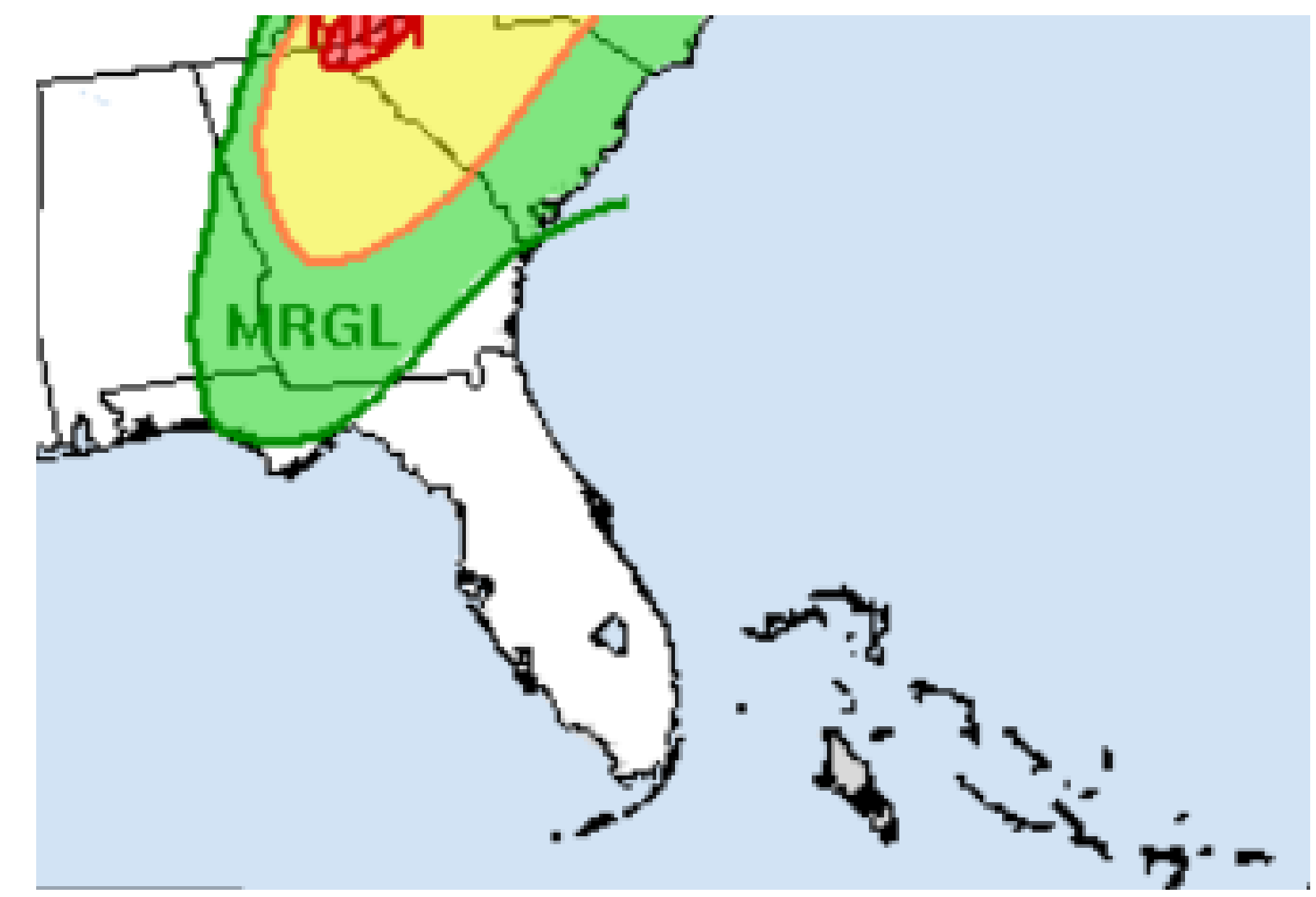
Winter Storm

Images from NWS Weather Prediction Center

STORM TOTAL RAINFALL



TUESDAY RAINFALL FLOODING RISK



Risk of rainfall exceeding flash flood guidance within 25 miles of a point

- HIGH: > 50%**
- MDT: 20%-50%**
- SLGT: 10%-20%**
- MRGL: 5%-10%**

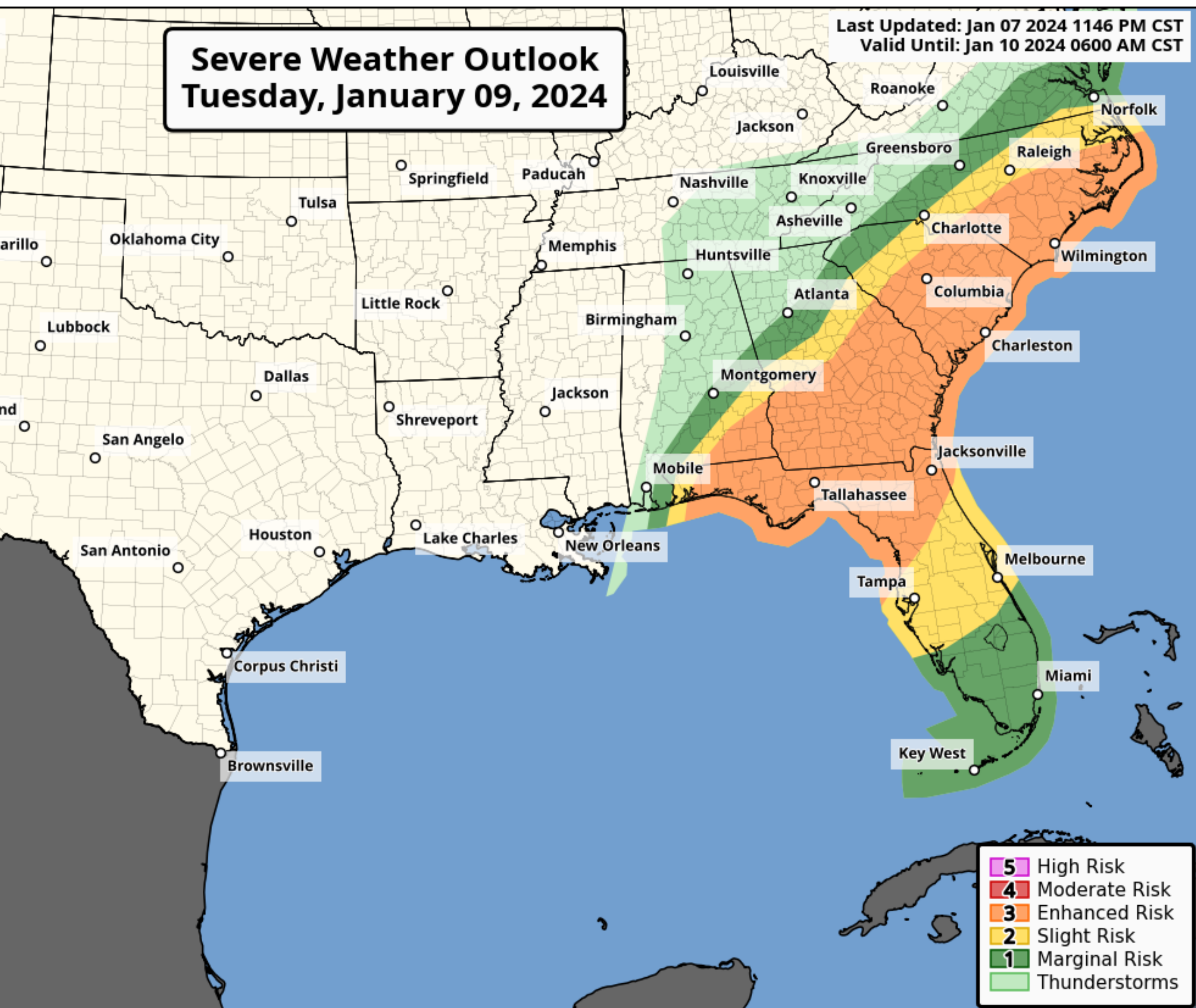
Tornado Outlook – Day 2

Winter Storm

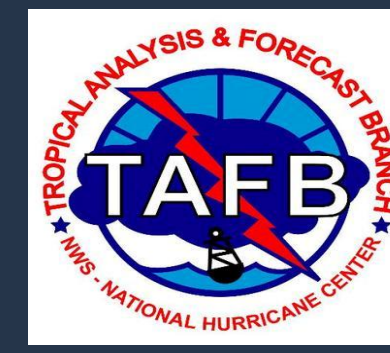
Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- Widespread wind gusts of 50 to 60 kt with one or more bands of severe thunderstorms late tonight through Tue, especially in orange shaded areas
- Significant tornado/waterspout risk, especially in South Carolina



- Southerly gales of 30 to 40 kt offshore Florida's Gulf coast, N of Tampa Bay today through early Tue
- Southerly gales of 30 to 40 kt offshore Florida's Atlantic coast, N of West Palm Beach, late tonight through Tue night
- Severe thunderstorms along and ahead of a cold front tonight through Tue, wind and tornado threat increases farther N.



WINTER STORM BRIEFING

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

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



NHC_TAFB

www.nhc.noaa.gov