

IMPACTS FOR D7 (through next 5 days)

Winds – Low (35-40 kt)

Storm Surge – Low

Rainfall/Flash Flooding – Low

Tornadoes – None

Waves - Low (Peaking 15 to 18 feet well offshore)

BRIEFING on Disturbance off SE coast of U.S.



8:15 AM EDT

Wednesday, September 20, 2023

Prepared by:

Andrew Hagen

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

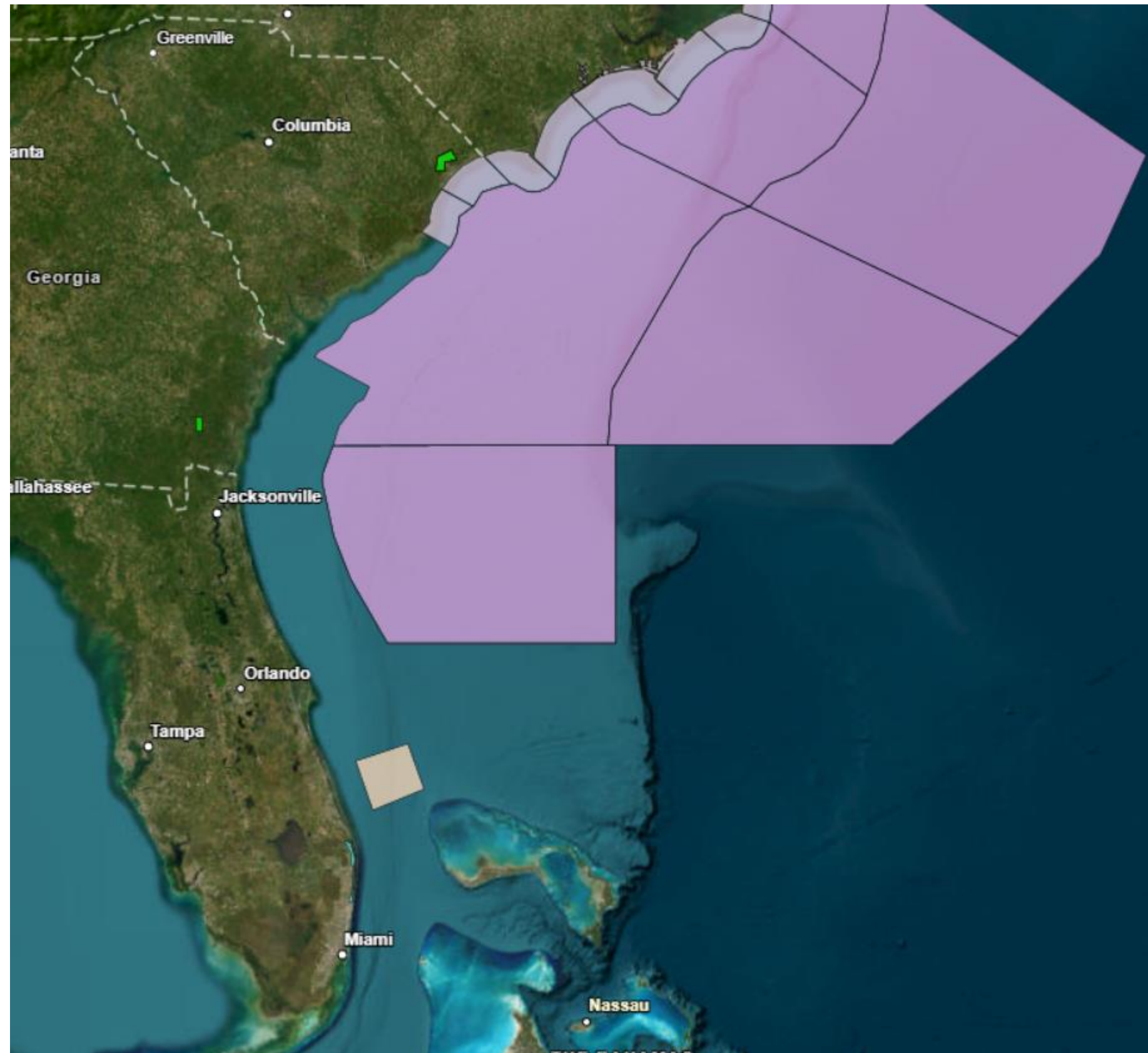
www.nhc.noaa.gov

Hazards Map

Gale Warnings over marine waters



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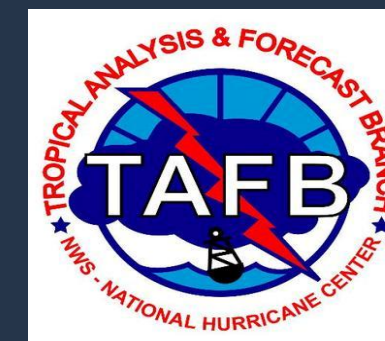


Small Craft Advisory

Gale Warning

Tropical Weather Outlook

Wed 9/20 8am EDT

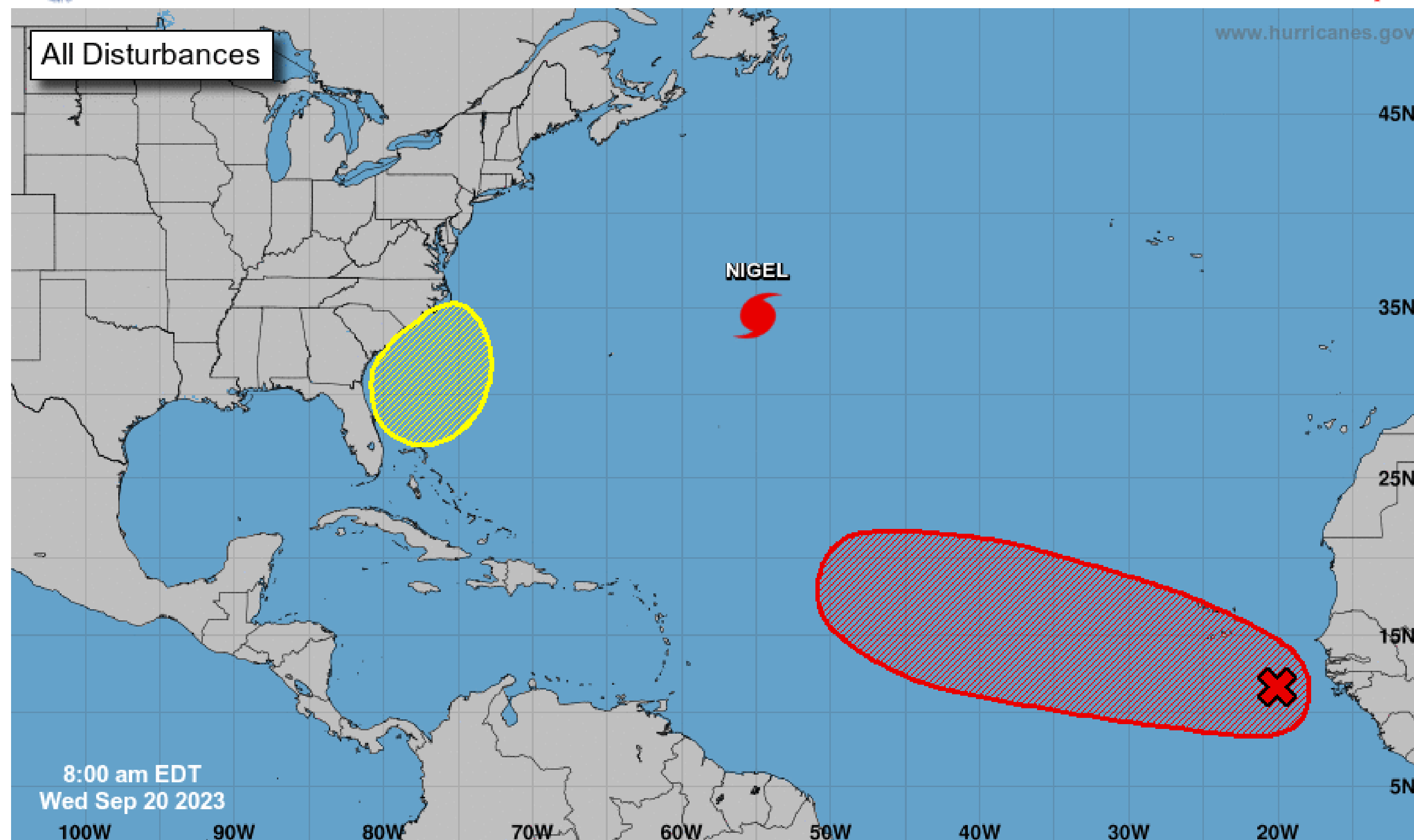
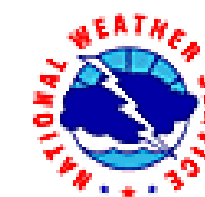


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Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida

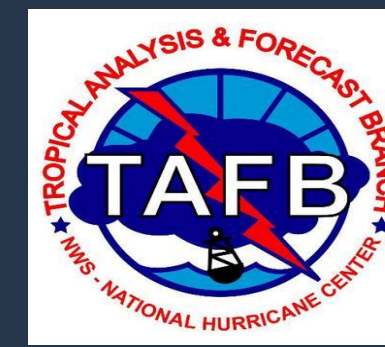


Current Disturbances and Seven-Day Cyclone Formation Chance: < 40% 40-60% > 60%
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone or Remnants

- A non-tropical low pressure is expected to form along a frontal boundary by early Fri morning
- Could acquire subtropical characteristics as it moves northward
- Regardless of whether it becomes subtropical, gale force winds and rough seas are expected over the Atlantic.
- Large surf and beach erosion expected along GA, SC coast. Minor coastal flooding possible.
- **Reminder:** The hatched area represents a possible development area, not the system's path after development occurs.

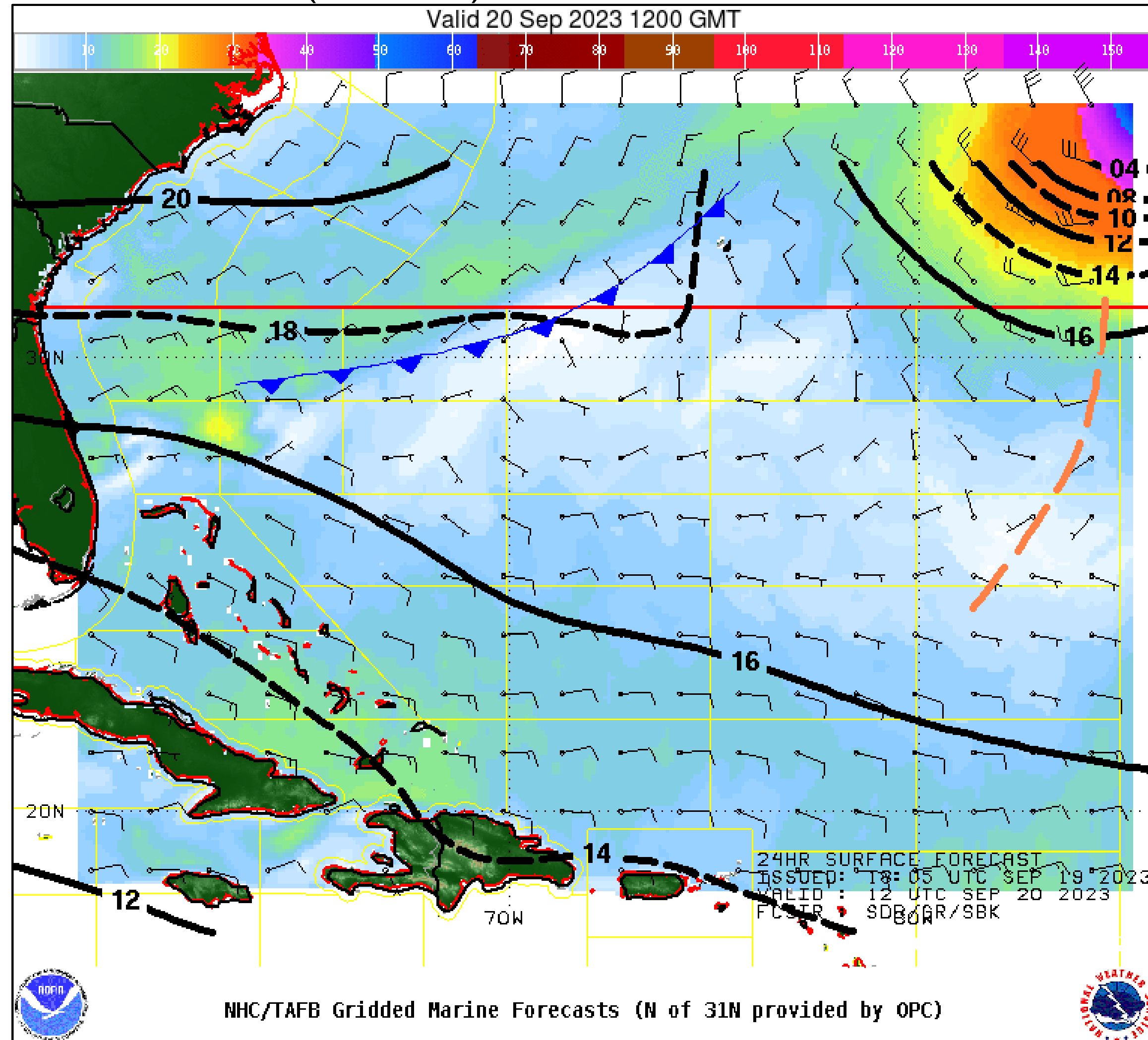
Wind And Waves

Current Conditions **Wednesday 9/20 – 8am EDT**



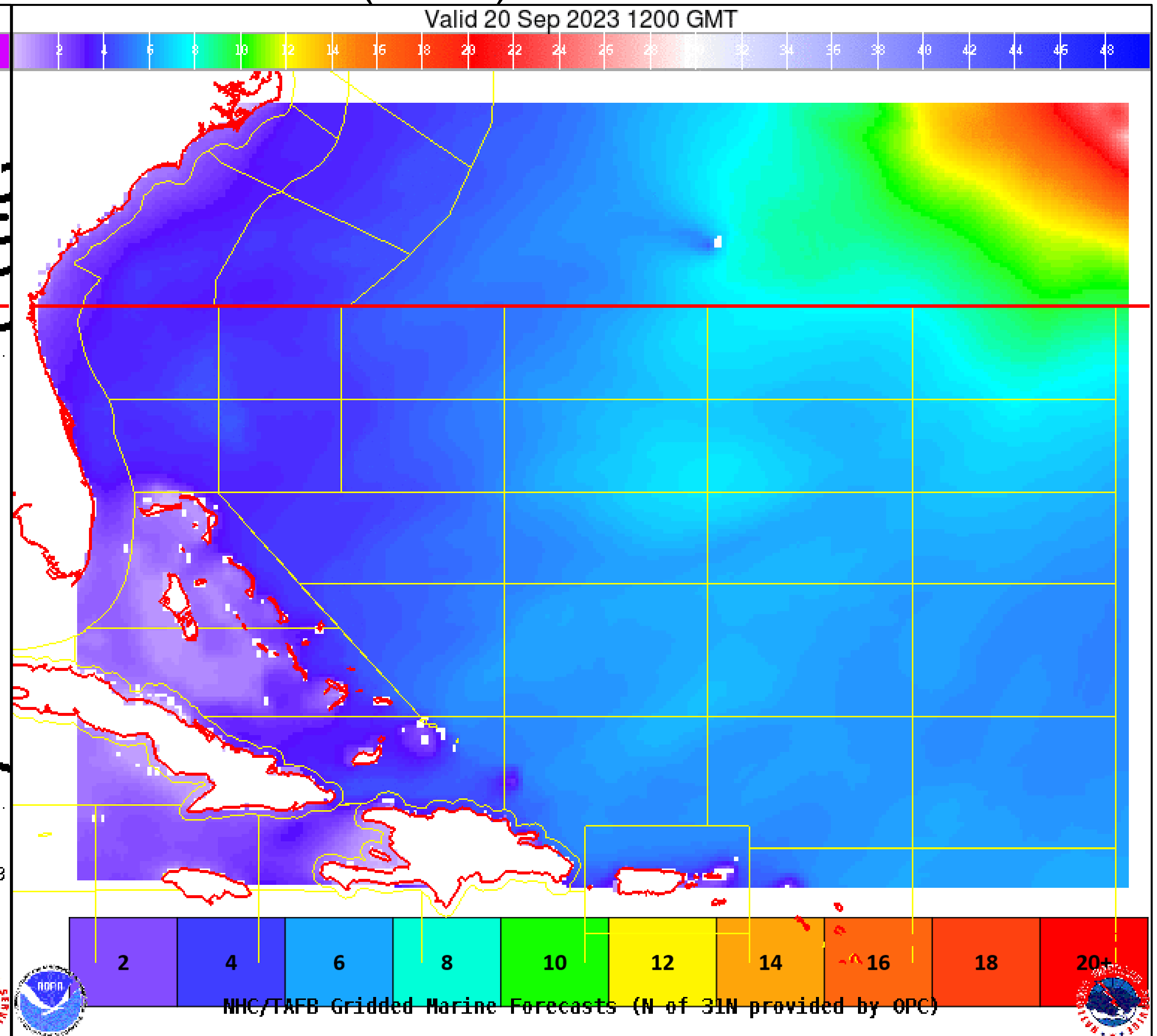
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WIND SPEED (in knots)



Sustained Wind Speed (kt)

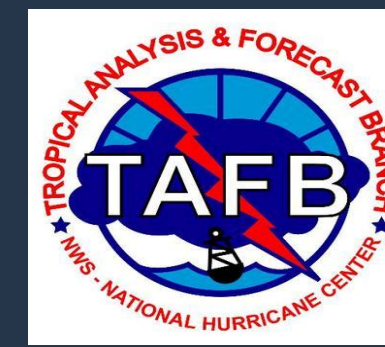
WAVE HEIGHT (in feet)



Significant Wave Height (ft)

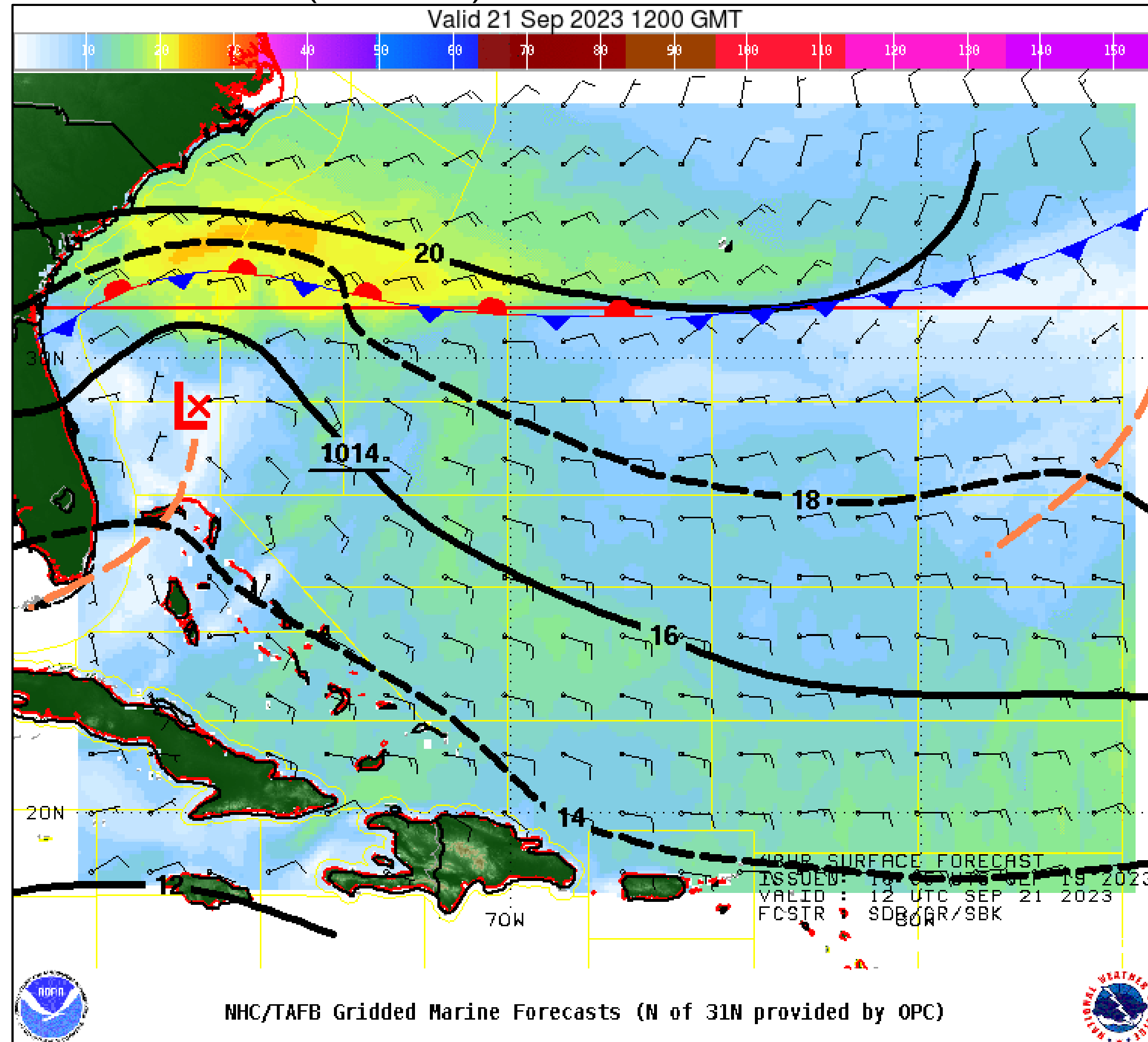
Wind And Waves

24 Hour Forecast **Thursday 9/21 – 8am EDT**

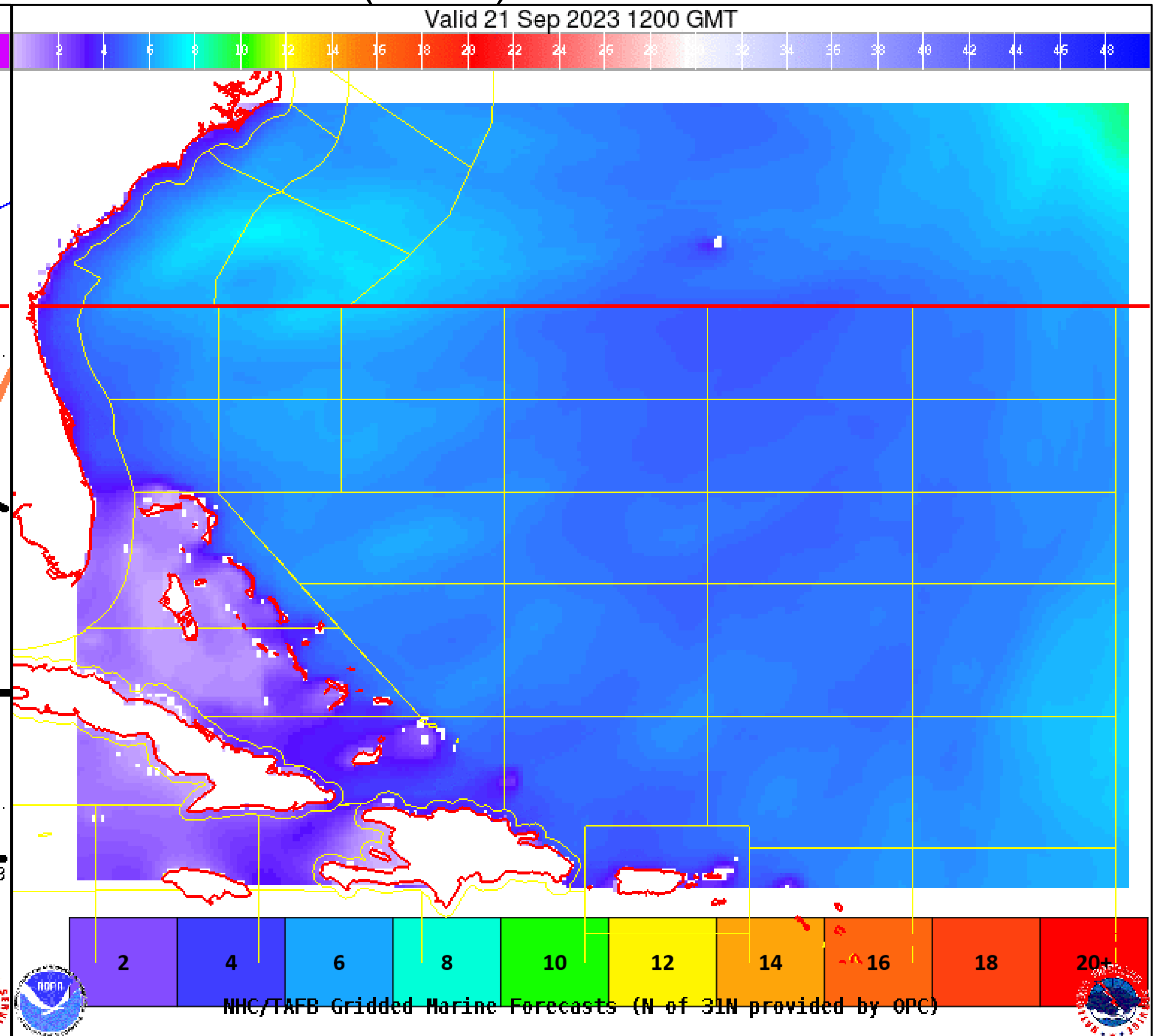


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WIND SPEED (in knots)

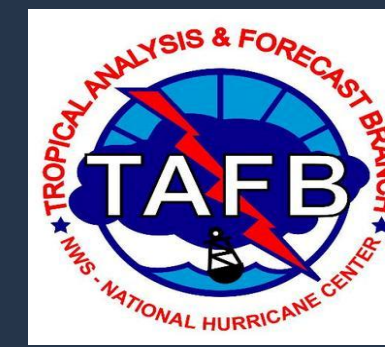


WAVE HEIGHT (in feet)



Wind And Waves

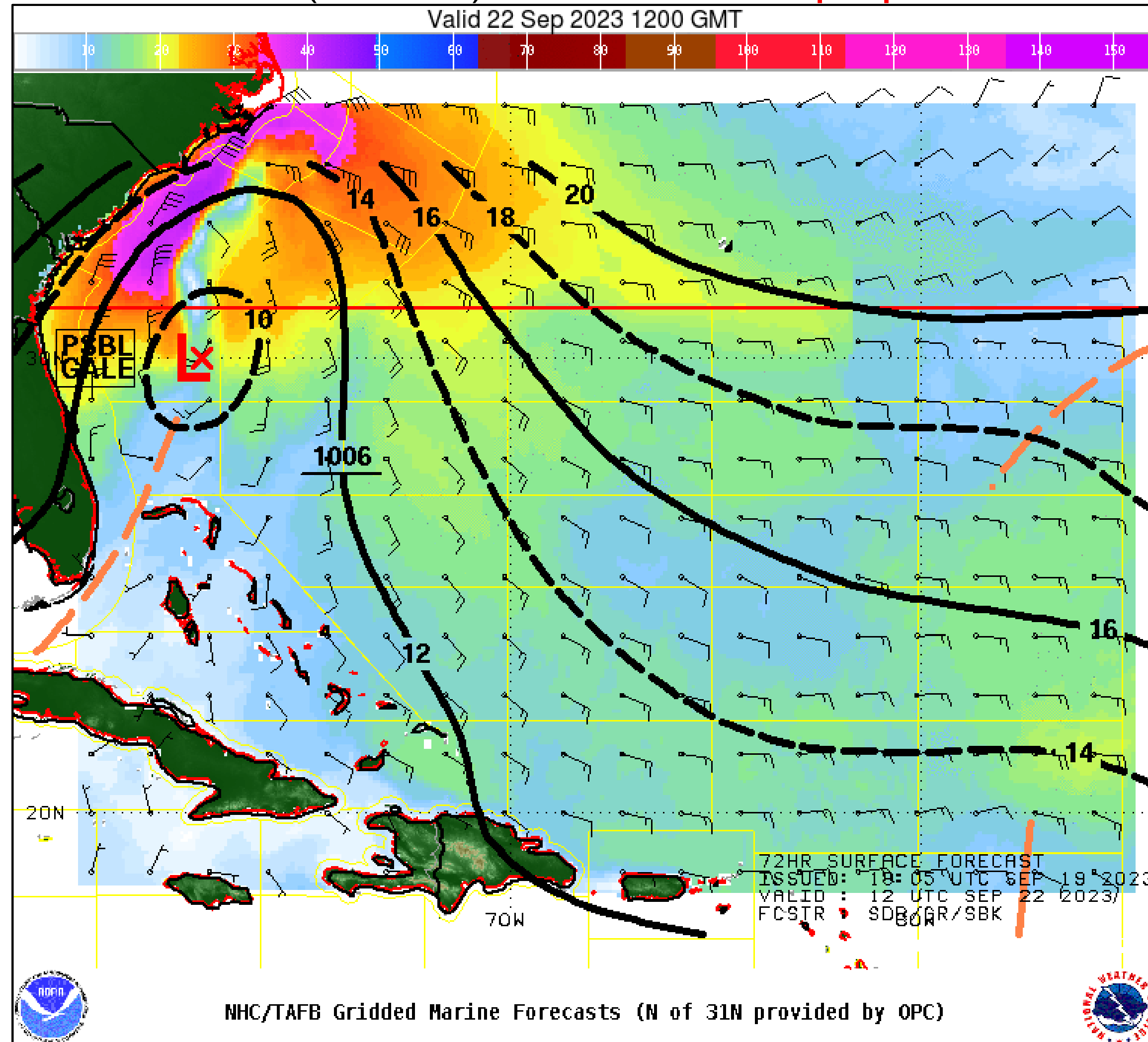
48 Hour Forecast **Friday 9/22 – 8 am EDT**



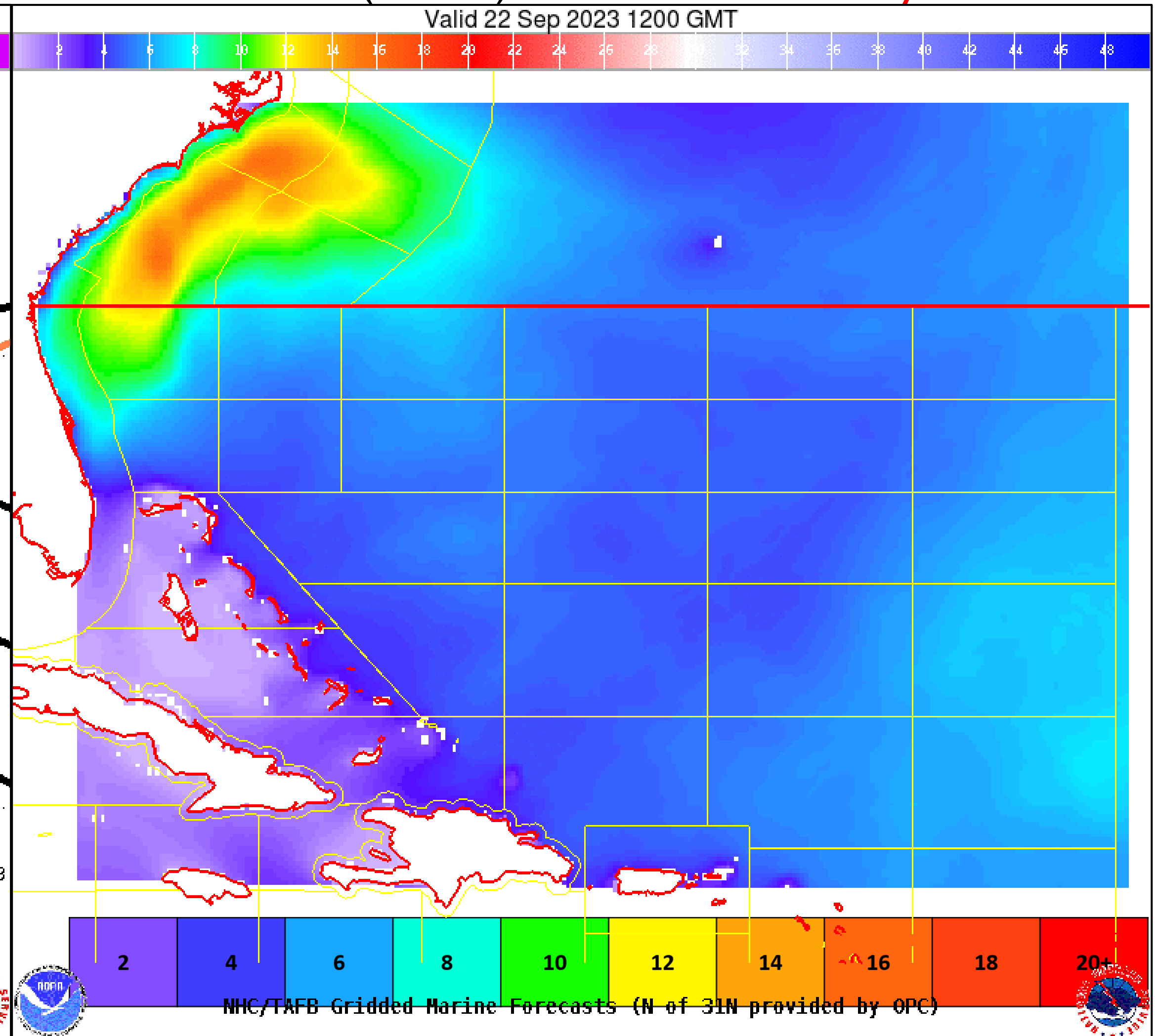
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NWS National Hurricane Center

WIND SPEED (in knots) – **35 to 40 kt in purple area**

WAVE HEIGHT (in feet) – **12 to 18 ft inside yellow area**



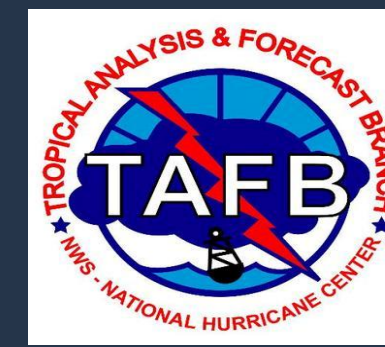
Sustained Wind Speed (kt)



Significant Wave Height (ft)

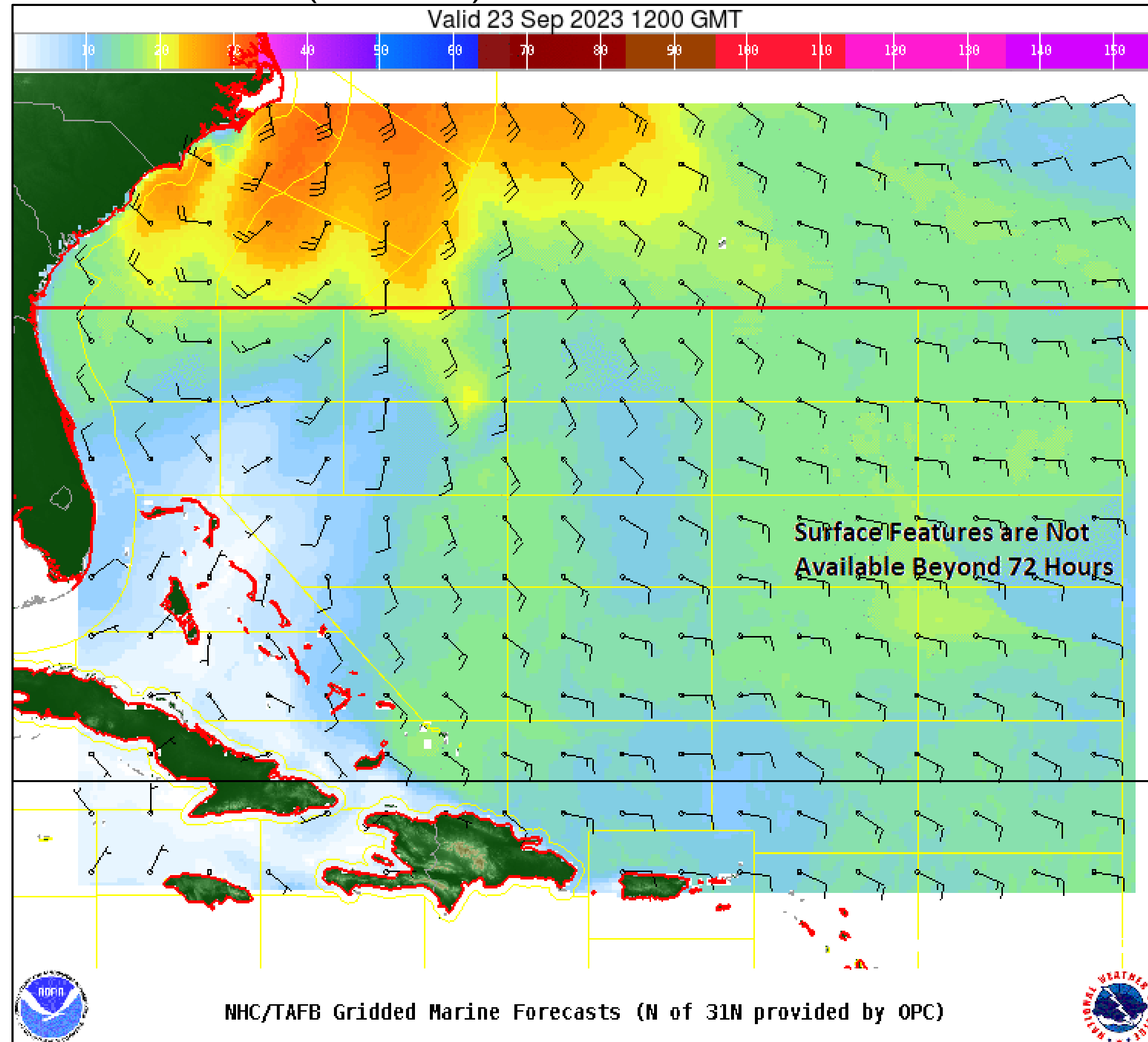
Wind And Waves

72 Hour Forecast **Saturday 9/23 – 8am EDT**

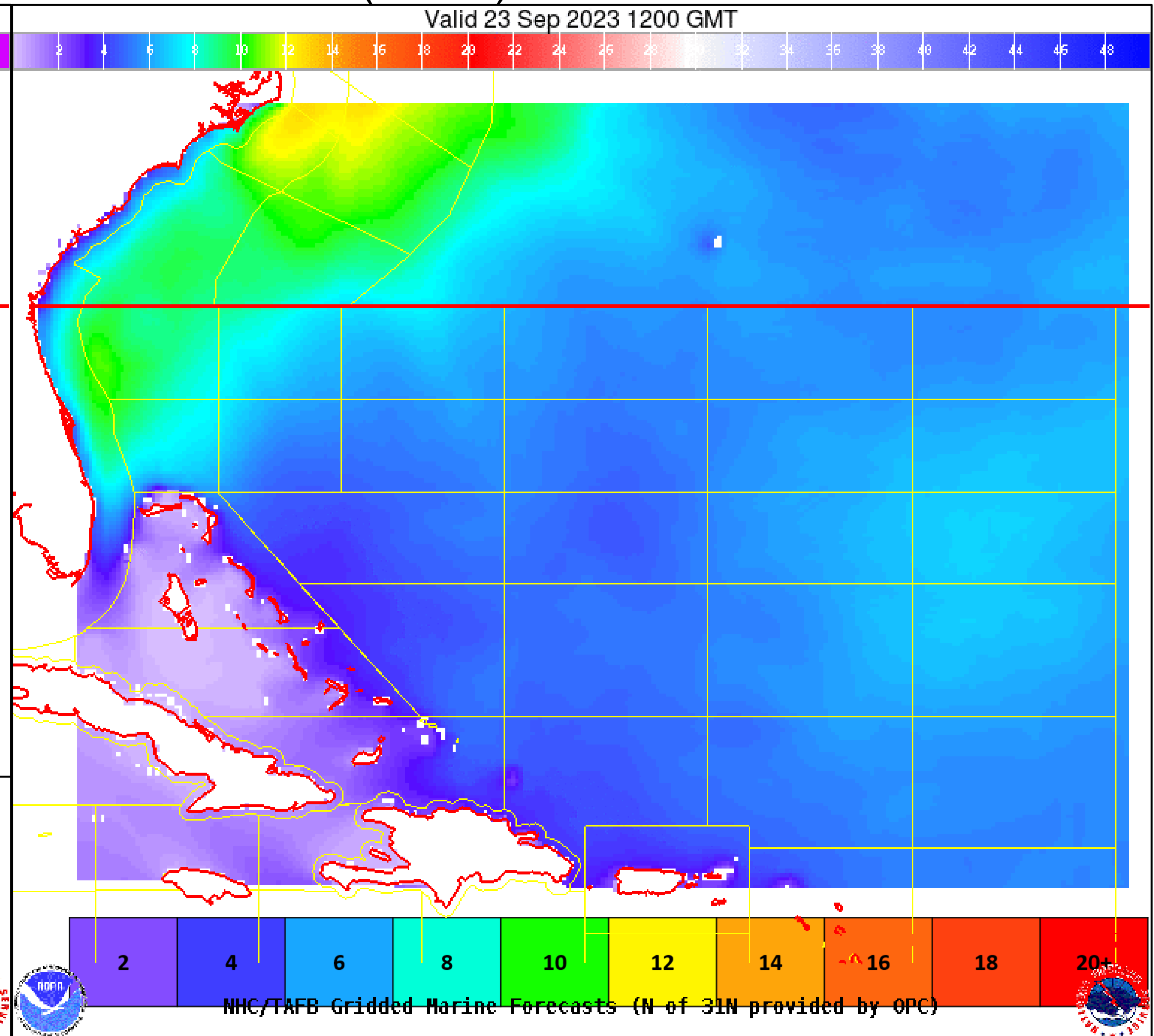


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WIND SPEED (in knots)

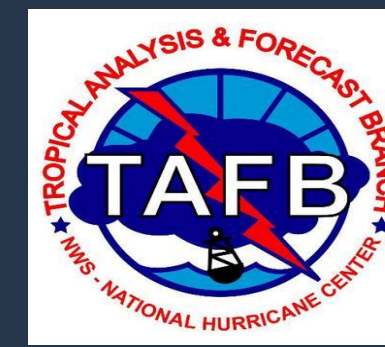


WAVE HEIGHT (in feet)



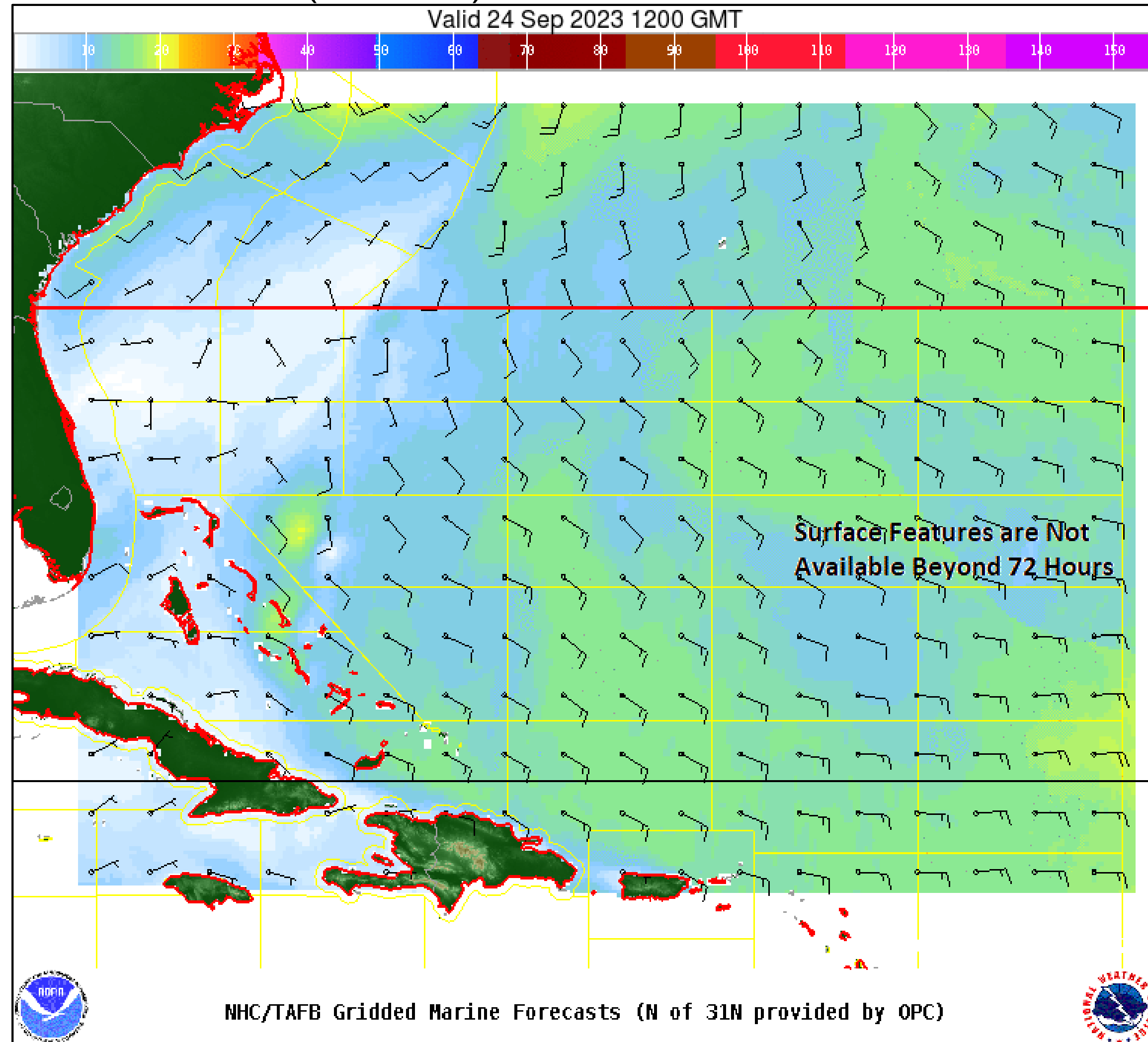
Wind And Waves

96 Hour Forecast **Sunday 9/24 8am EDT**

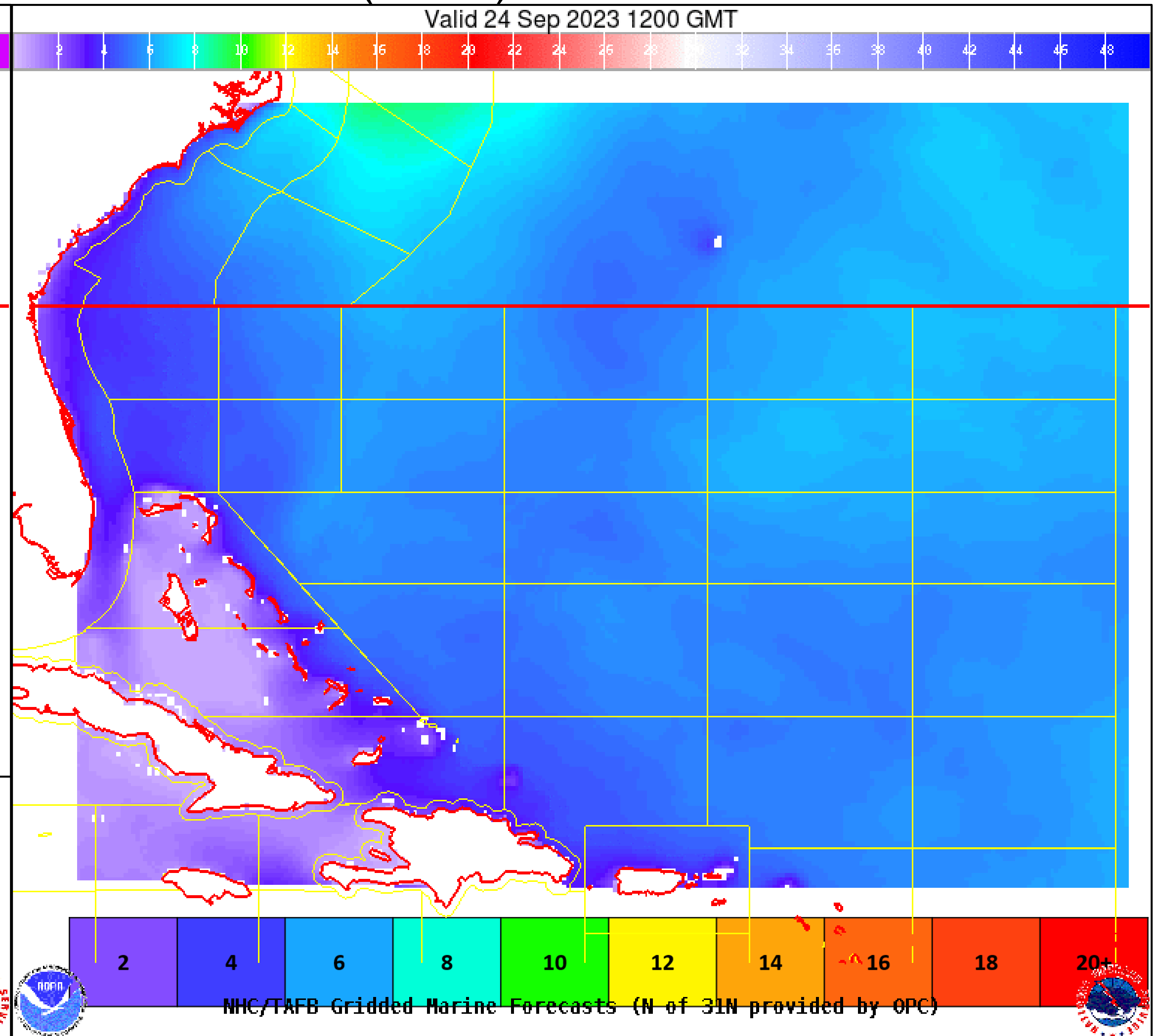


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WIND SPEED (in knots)



WAVE HEIGHT (in feet)

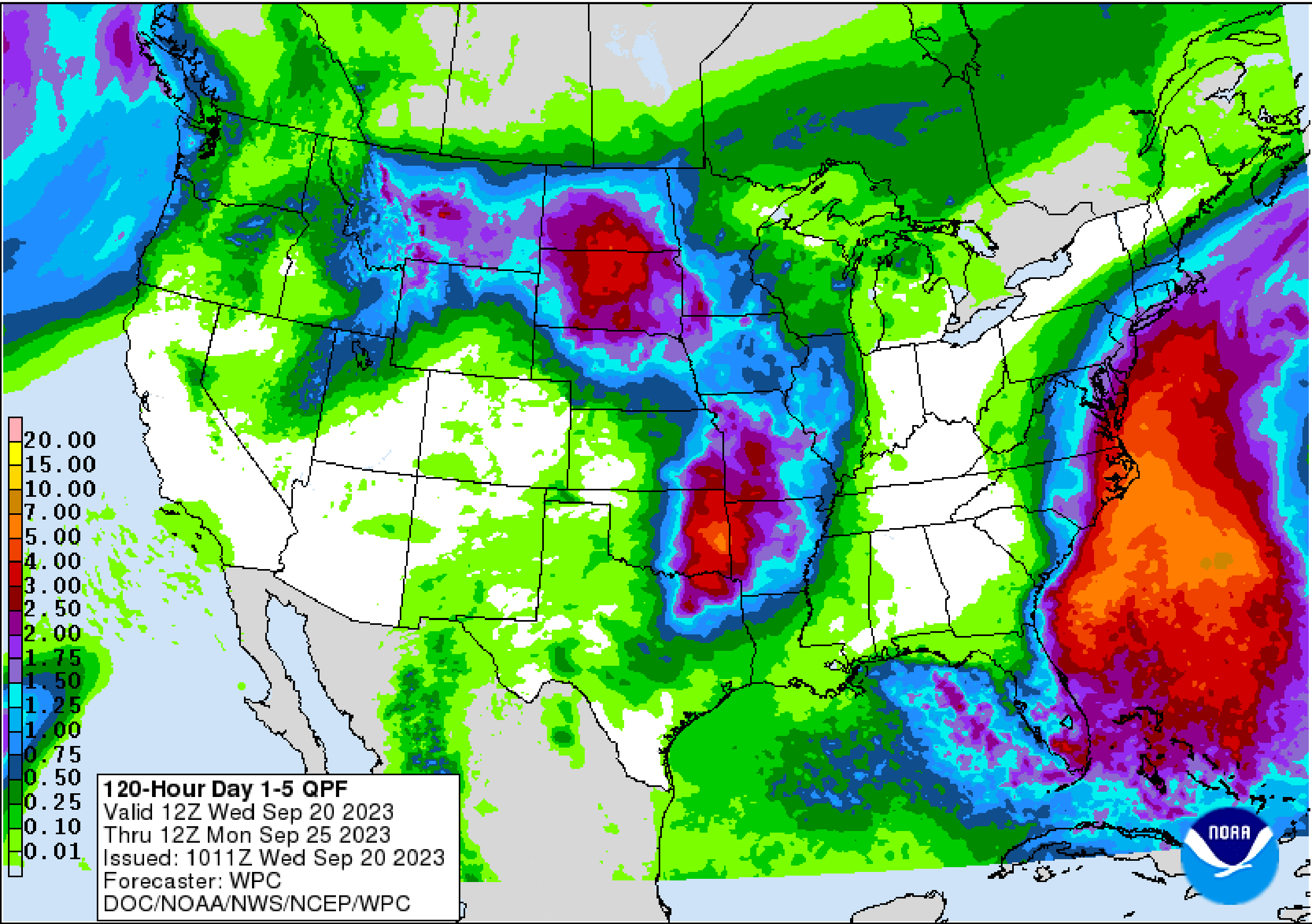


Expected Storm Total Rainfall and Chance of Rainfall Flooding

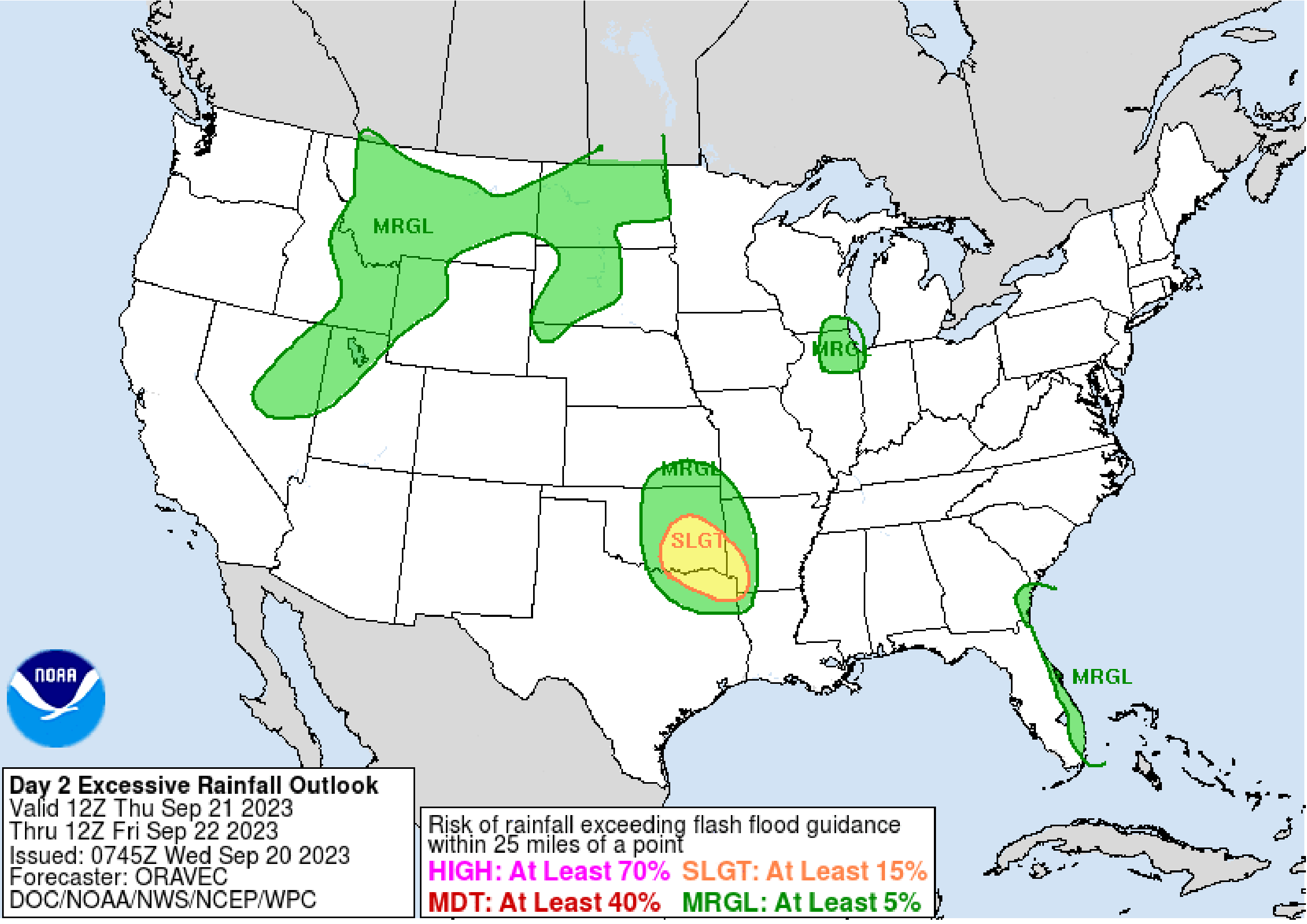
Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Day 1-5 Rainfall from WPC



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

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

Day 2: 8am Thu – 8am Fri

■ Timing:

- Winds/seas begin increasing offshore northern Florida through South Carolina Thursday
- Gale force winds begin well offshore Thu evening, and low pressure forms late Thu night
- Winds and seas peak offshore Georgia and South Carolina daytime Friday and continue through Friday night before gradually improving over the weekend as the low lifts northward.
- Any minor coastal flooding threat for GA and SC Thu night should begin to diminish late Fri as winds shift from NE to N.
- Gales should end offshore by Sat morning, but winds/seas remain significant into Sat afternoon

■ Other impacts

- Rainfall/flooding threat marginal from coastal FL through GA.
- No tornado threat



BRIEFING on Disturbance off SE coast of U.S.

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

NEXT BRIEFING: Thu 9/21 8:15am

*You can always get the latest graphics and information at
www.hurricanes.gov/marine*



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