

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Low

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - Moderate

TROPICAL STORM ELSA BRIEFING



4:00 PM EDT
Sunday, July 4, 2021

Prepared by:
Scott Stripling

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

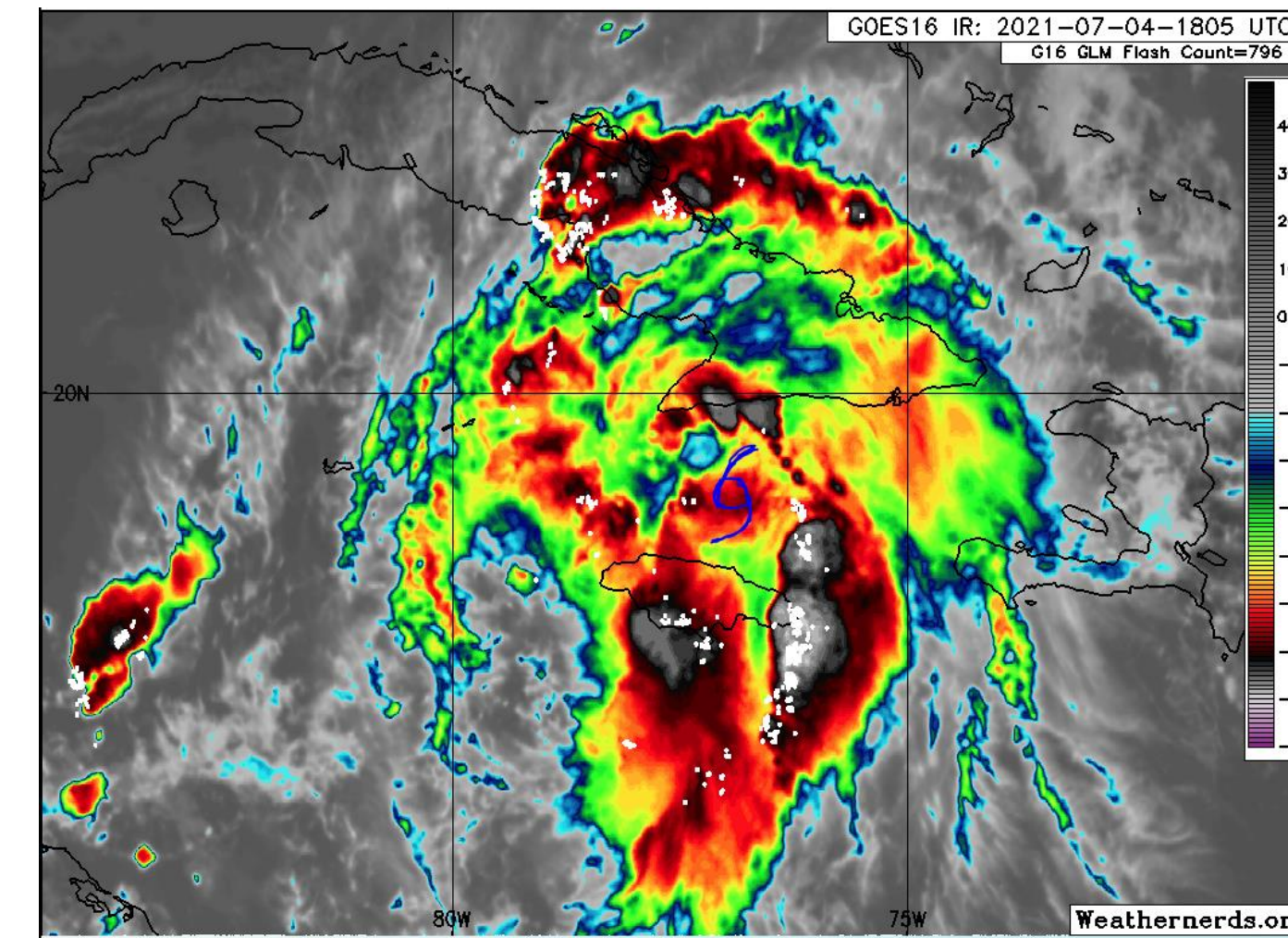
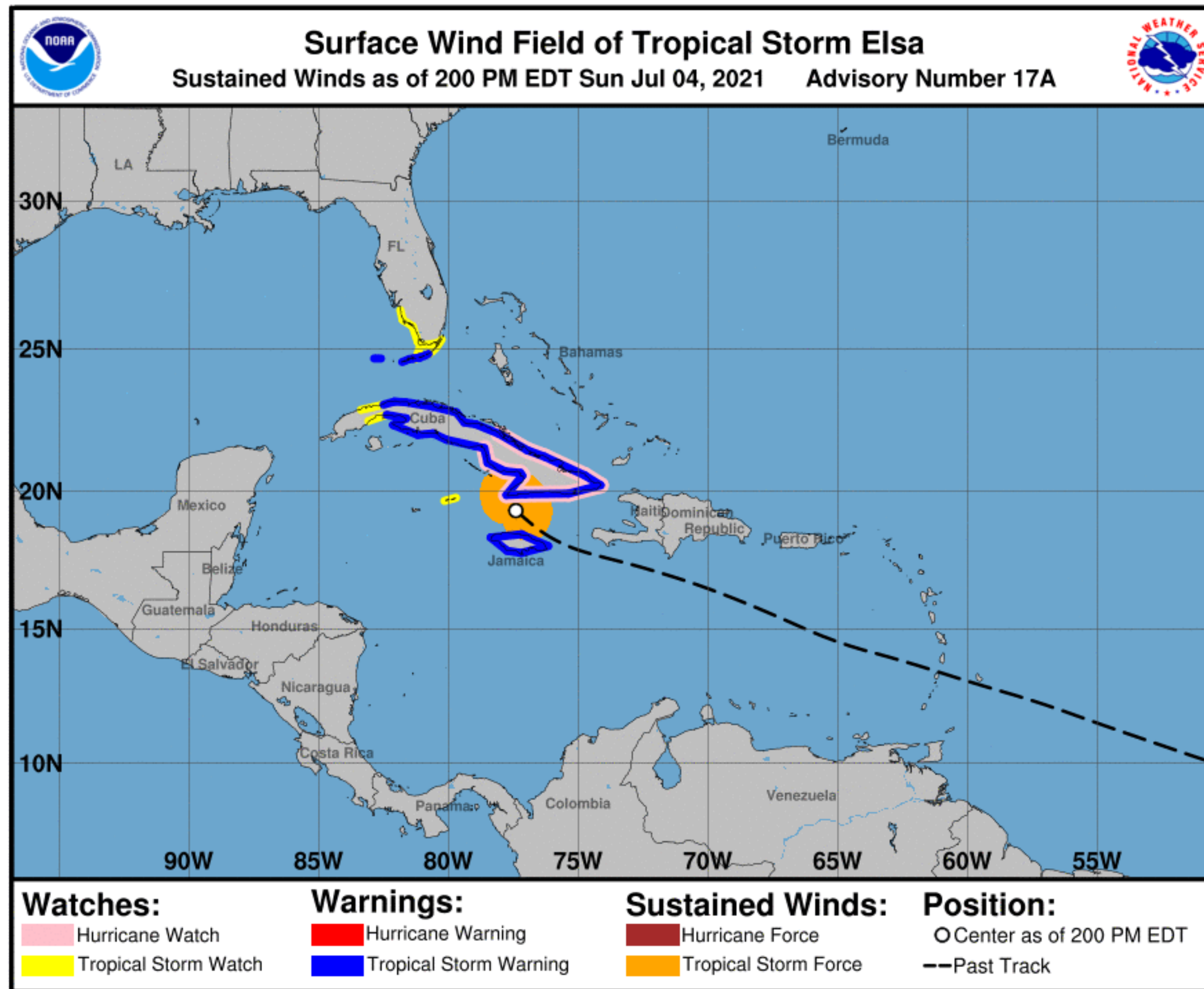
www.nhc.noaa.gov

Situation Overview

Tropical Storm Elsa



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...Elsa Approaching the Waters near Cabo Cruz
Cuba...

Summary of 200 PM EDT...1800 UTC...Information

Location... 19.3N 77.4W

About 35 nm...SSE of Cabo Cruz Cuba

Maximum Sustained Winds...50 kt

Present Movement...310 degrees at 12 kt

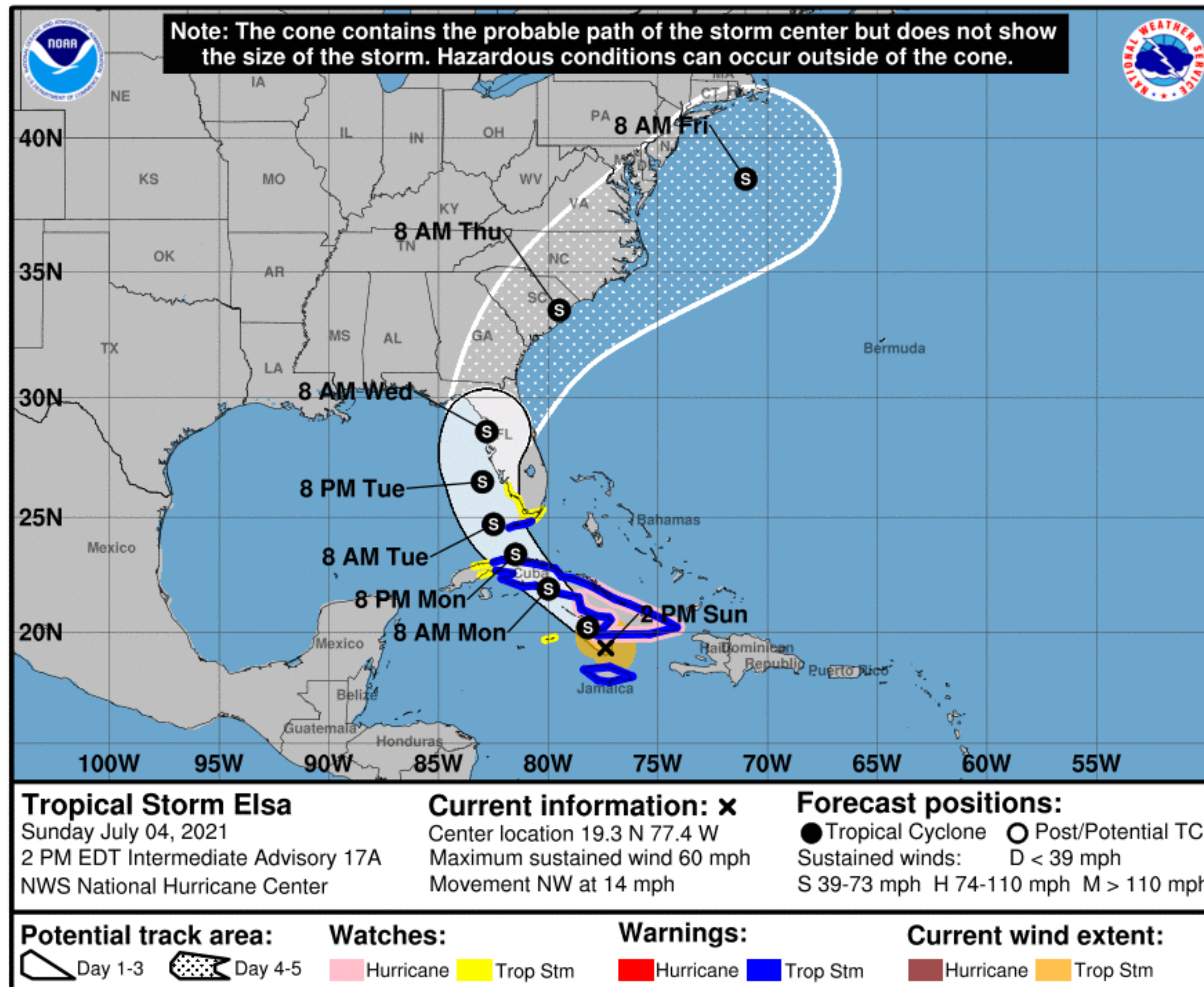
Minimum Central Pressure...1009 mb

Forecast Information

Tropical Storm Elsa



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

- Elsa is expected to begin exiting the approach to the Windward Passage and move across or very near Cabo Cruz, Cuba this evening.
- Tropical storm conditions and moderate to high seas will continue across the approach to the Windward Passage and eastern Cuba waters this evening and early tonight.
- White swath of potential track is the probable track error added to each side of the forecast track through day 3
- Hatched swath of potential track is 67th percentile error added to each side of the forecast track days 4-5

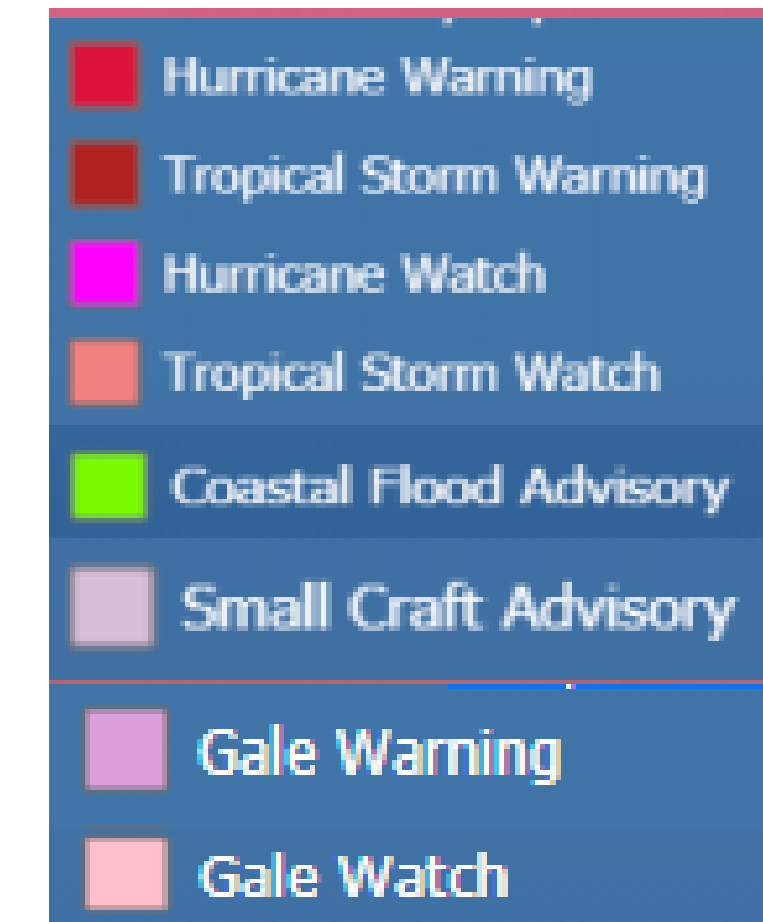
** Swaths are calculated using 67th percentile errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Tropical Storm Elsa



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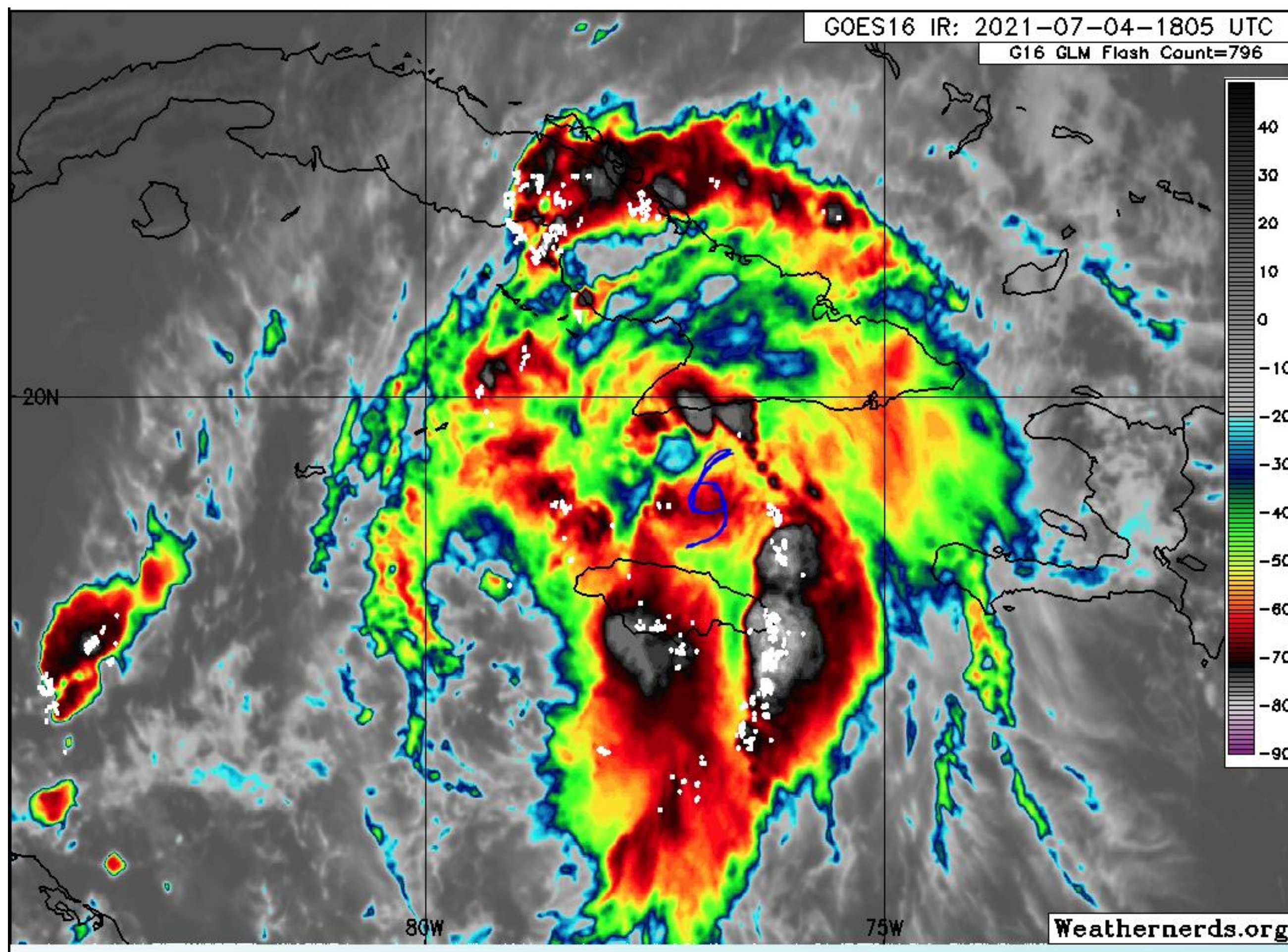
■ <https://nowcoast.noaa.gov/>

Current Satellite View

Tropical Storm Elsa



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NWS National Hurricane Center



...Elsa approaching Cabo Cruz Cuba...

Summary of 200 PM EDT...1800
UTC...Information

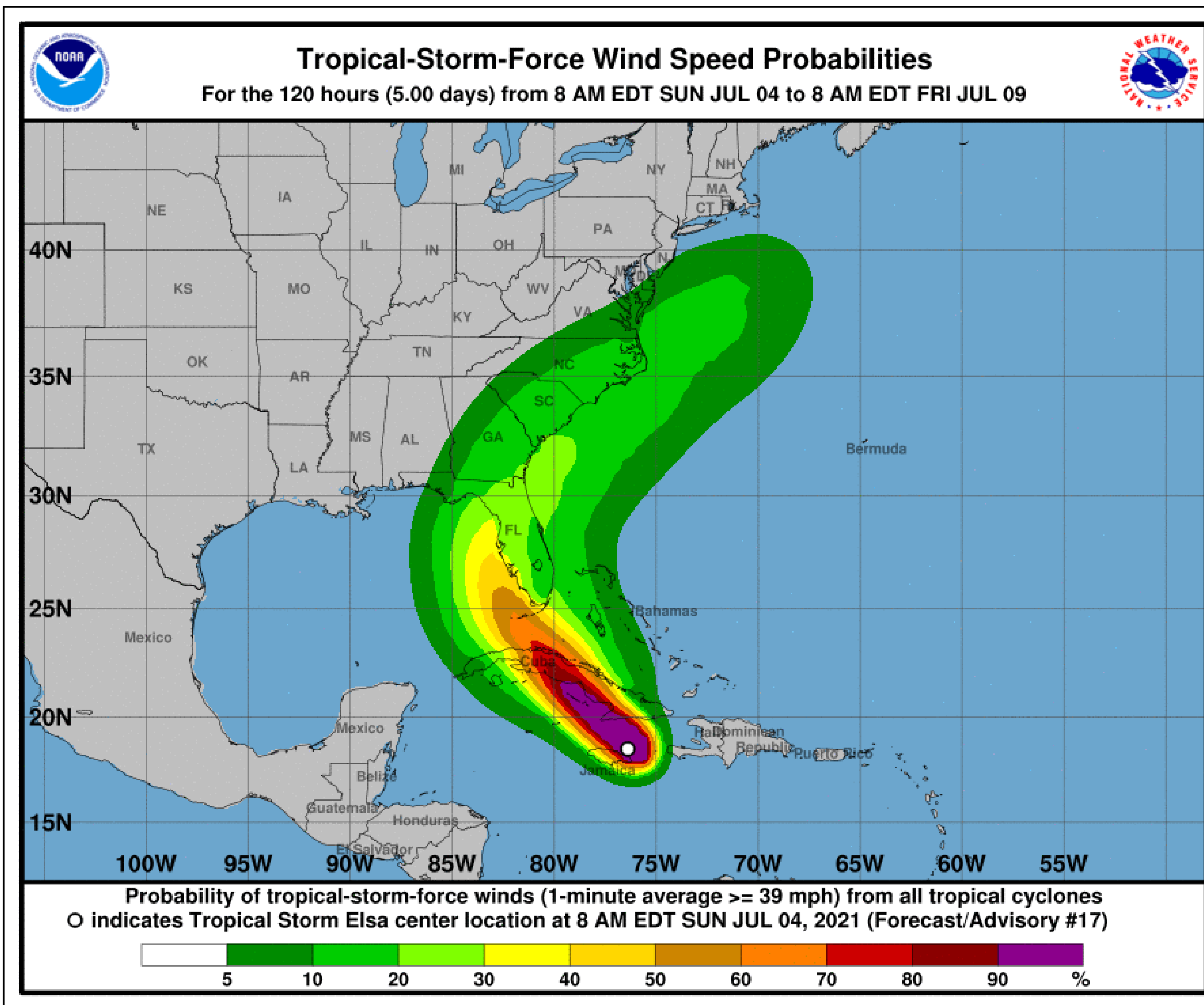
Location... 19.3N 77.4W
About 35 nm...SSE of Cabo Cruz Cuba
Maximum Sustained Winds...50 kt
Present Movement...310 degrees at 12 kt
Minimum Central Pressure...1009 mb

T.S. Wind Speed Probabilities

Tropical Storm Elsa



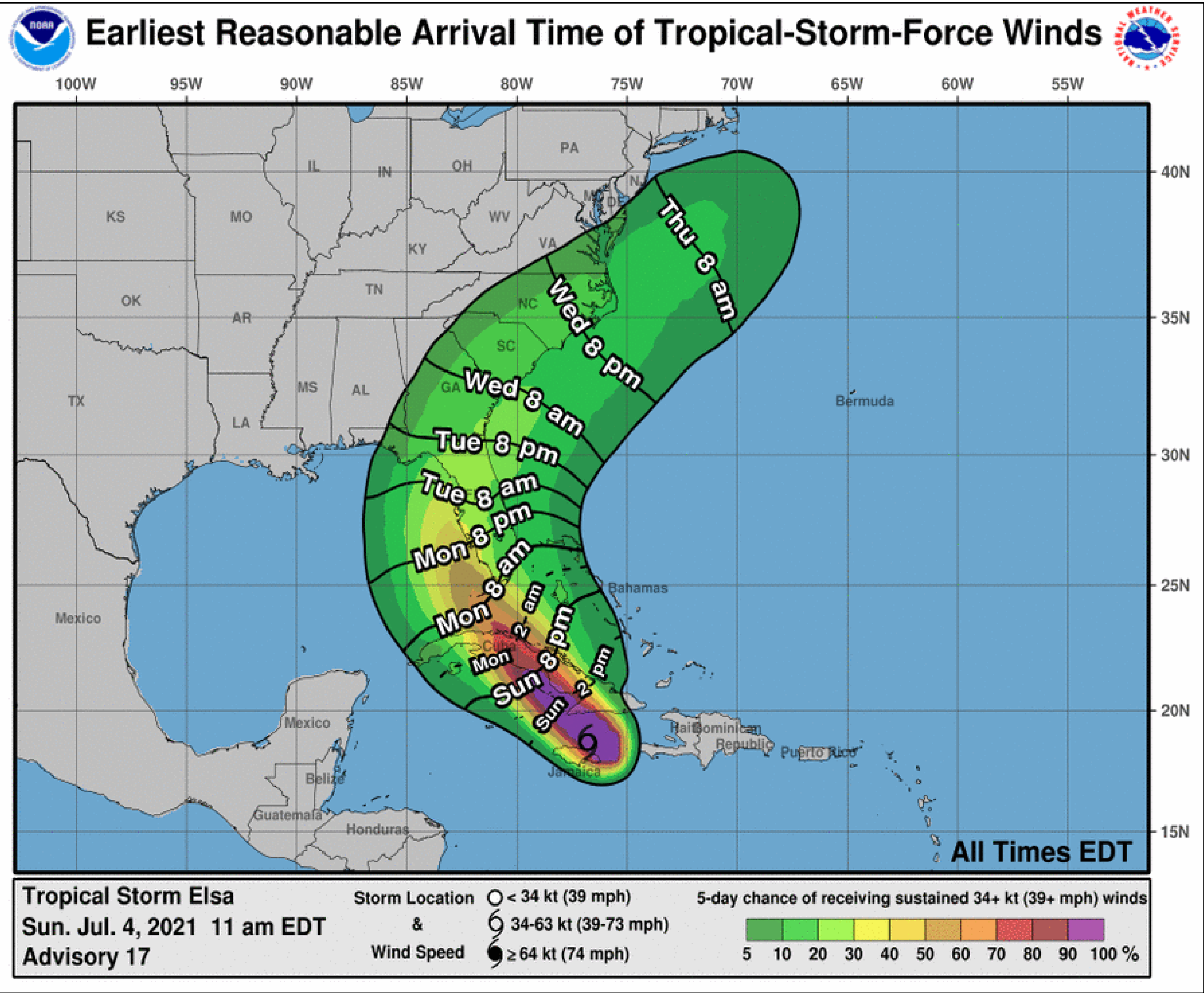
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- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.



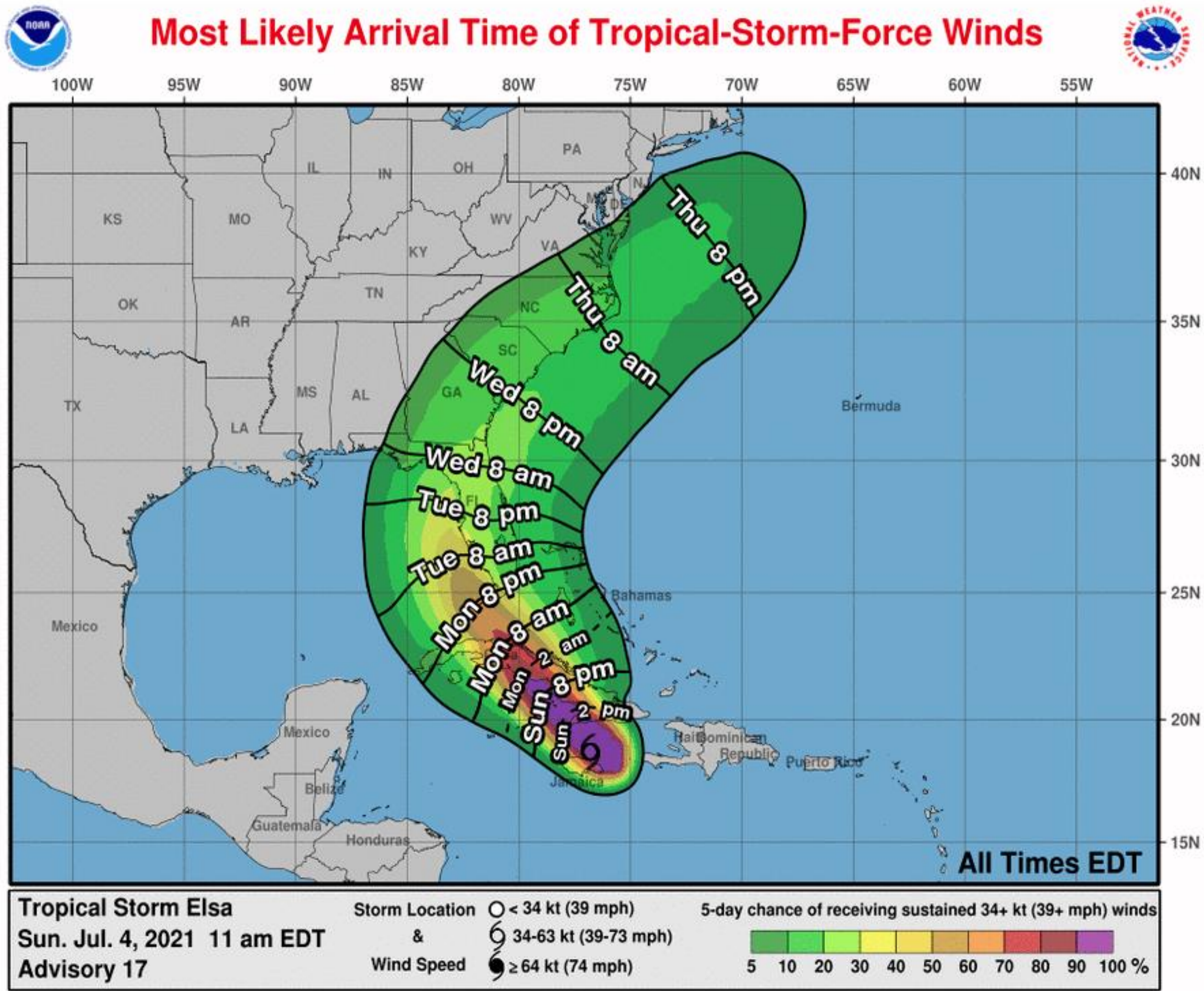
Tropical Storm Elsa



- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Earliest reasonable time of arrival for TS winds across Key West area is early Monday morning
- Earliest reasonable time of arrival for TS winds across Tampa Bay/St Pete area is early Monday night
- See the color bar below the image for more details.



Tropical Storm Elsa



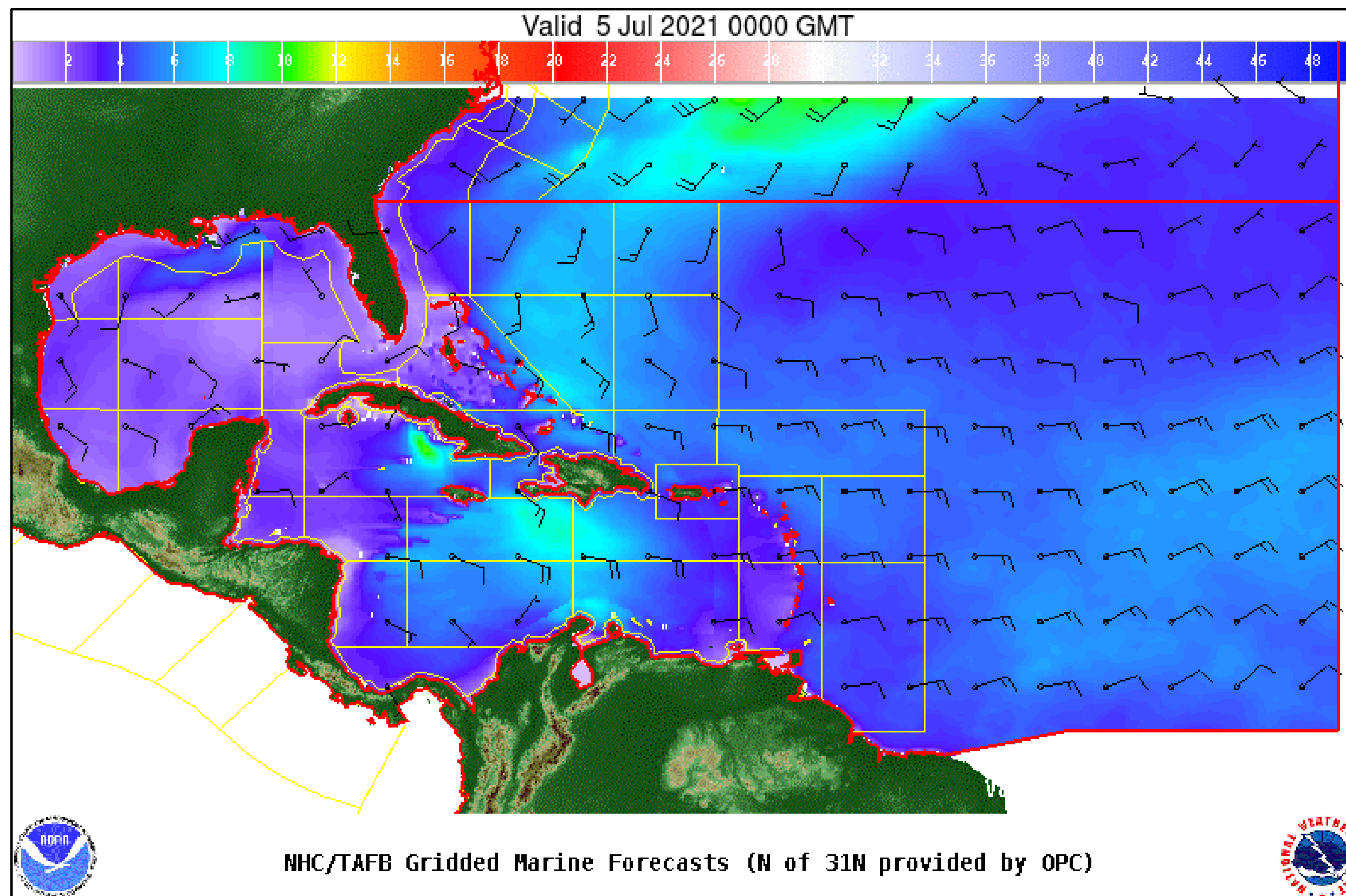
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Most likely time of arrival for TS winds across Key West area is Monday evening
- Most likely time of arrival for TS winds across Tampa Bay/St Pete area is early Tue evening
- See the color bar below the image for more details.

Wind And Waves

Tropical Storm Elsa



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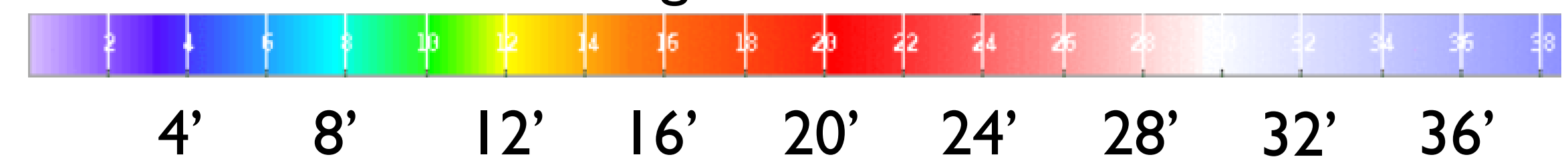
12 Hour Forecast

5 Jul 0000 UTC or 8 pm

Peak Winds: 55 kt

Peak Seas: 14 ft

■ Wave heights are in feet

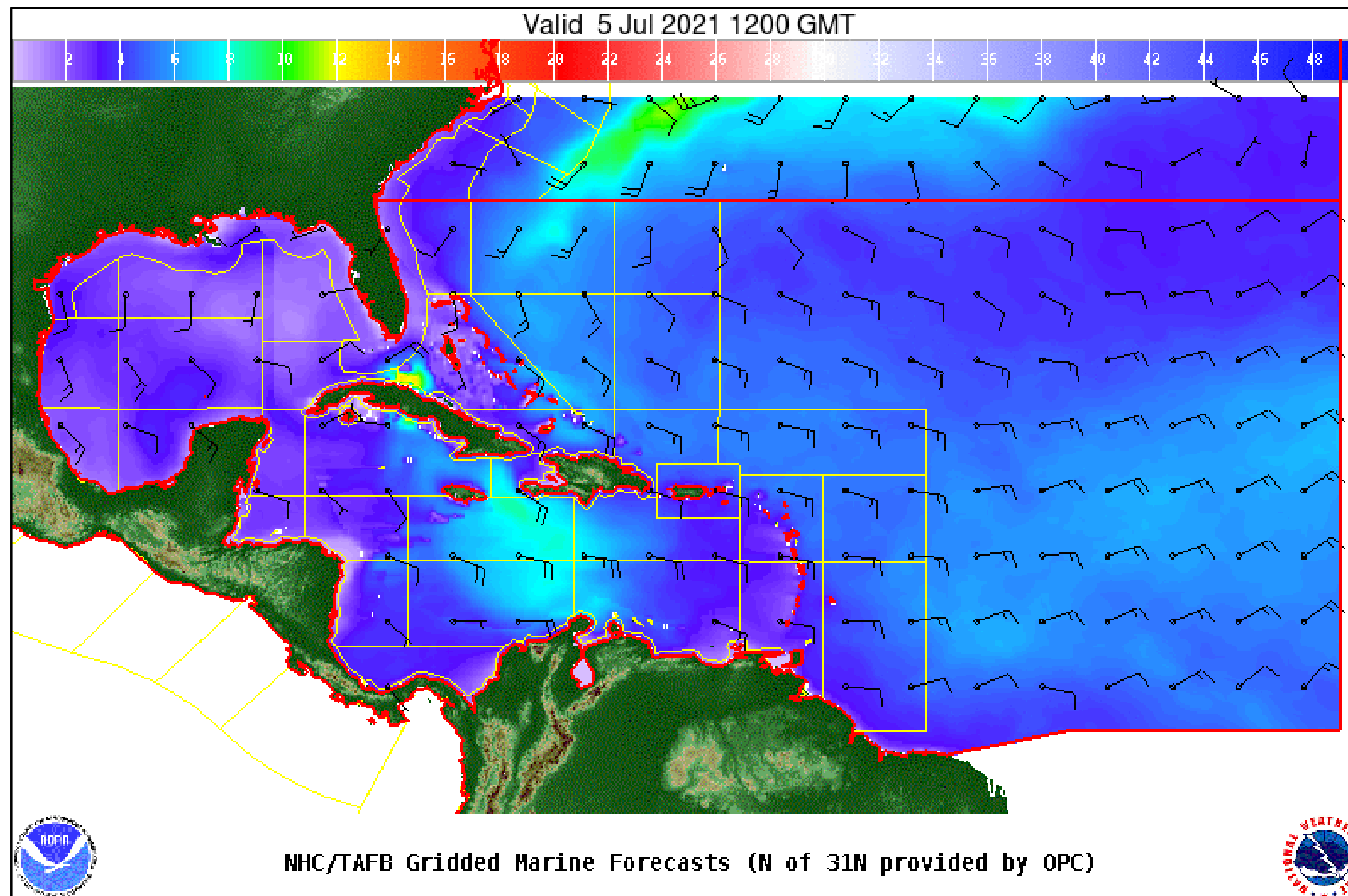


Wind And Waves

Tropical Storm Elsa



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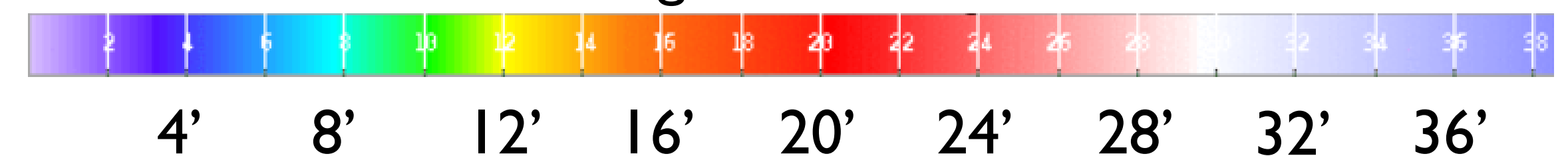
24 Hour Forecast

5 Jul 1200 UTC or 8 am

Peak Winds: 60 kt

Peak Seas: 12 ft Straits of Florida, 8 ft Carib

■ Wave heights are in feet

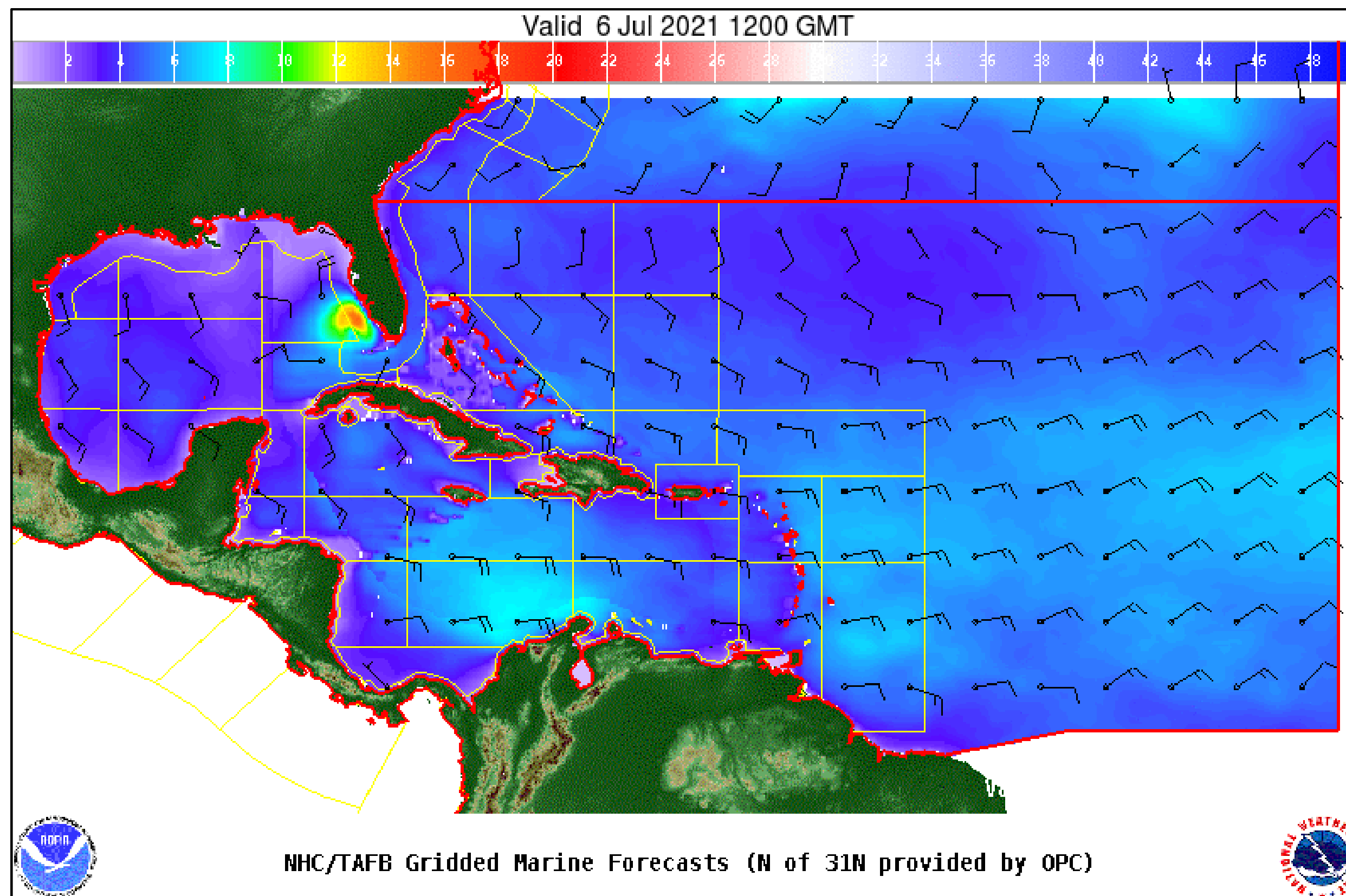


Wind And Waves

Tropical Storm Elsa



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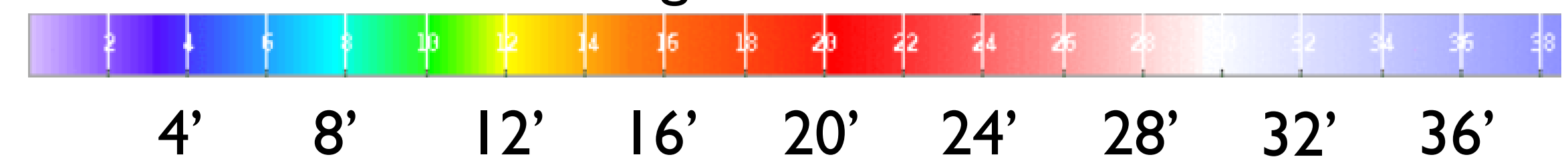
48 Hour Forecast

6 Jul 1200 UTC of 8 am

Peak Winds: 50 kt

Peak Seas: 15 ft

■ Wave heights are in feet

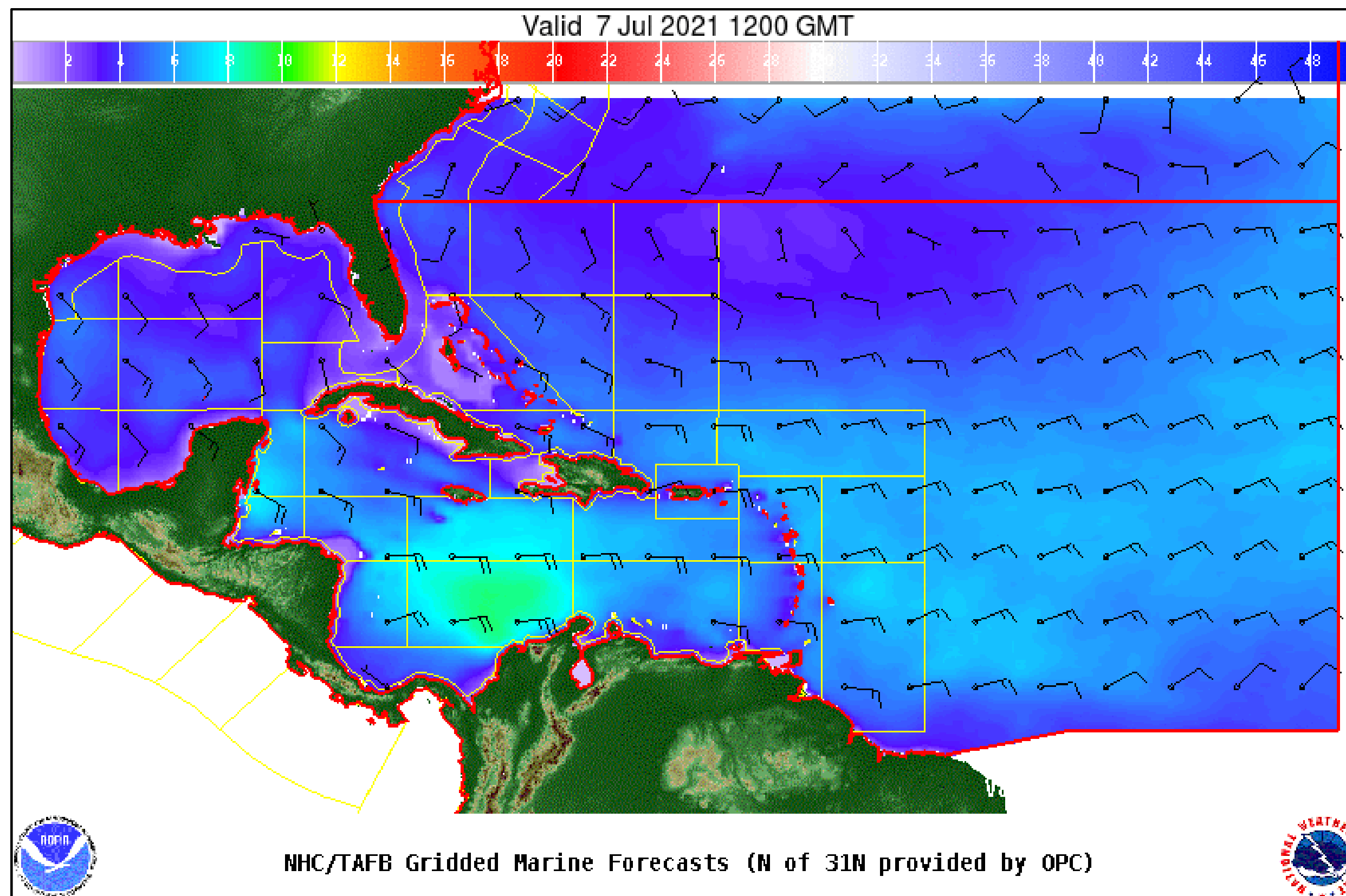


Wind And Waves

Tropical Storm Elsa



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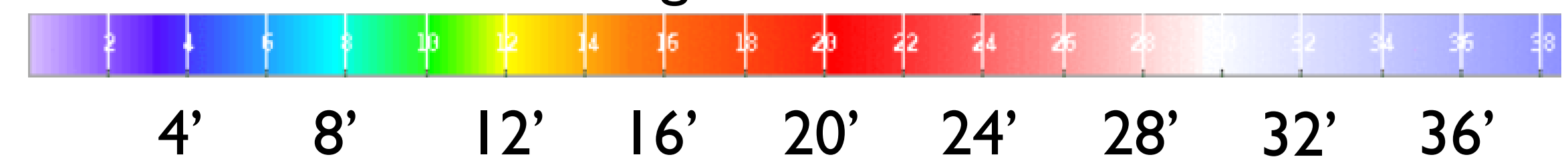
72 Hour Forecast

7 Jul 1200 UTC of 8 am

Peak Winds: 55 kt

Peak Seas: 18 ft

■ Wave heights are in feet

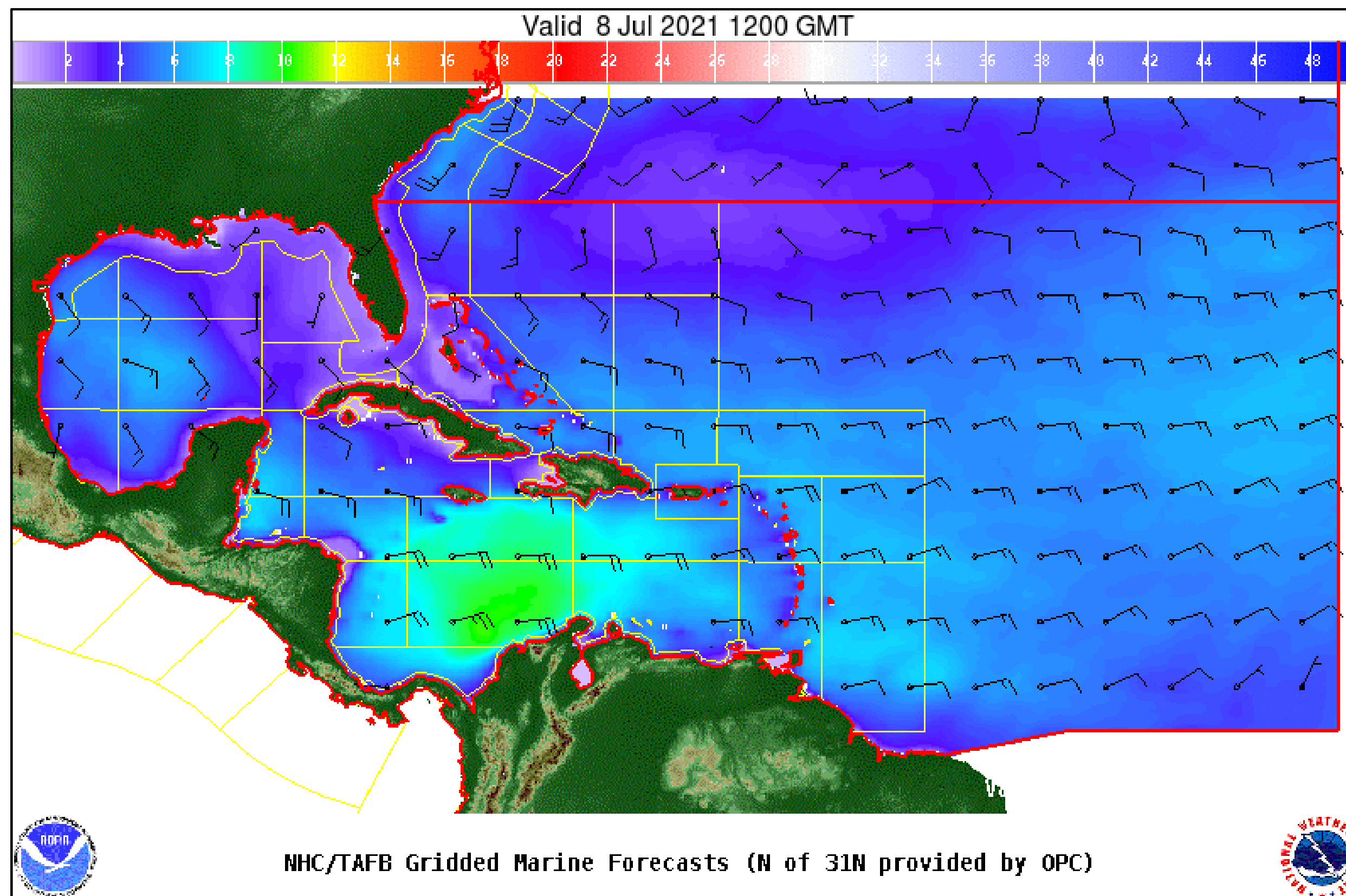


Wind And Waves

Tropical Storm Elsa



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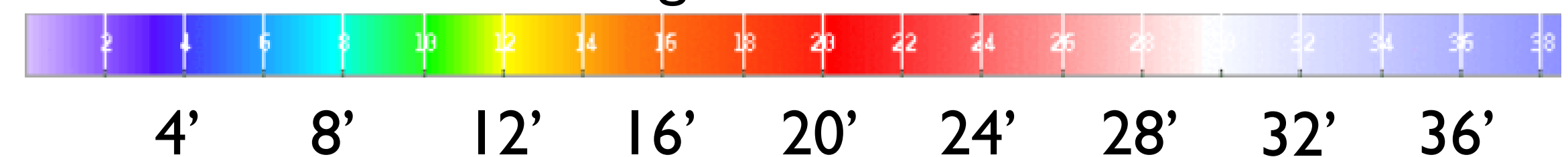
96 Hour Forecast

8 Jul 1200 UTC of 8 am

Peak Winds: 40 kt

Peak Seas: 4 ft

■ Wave heights are in feet

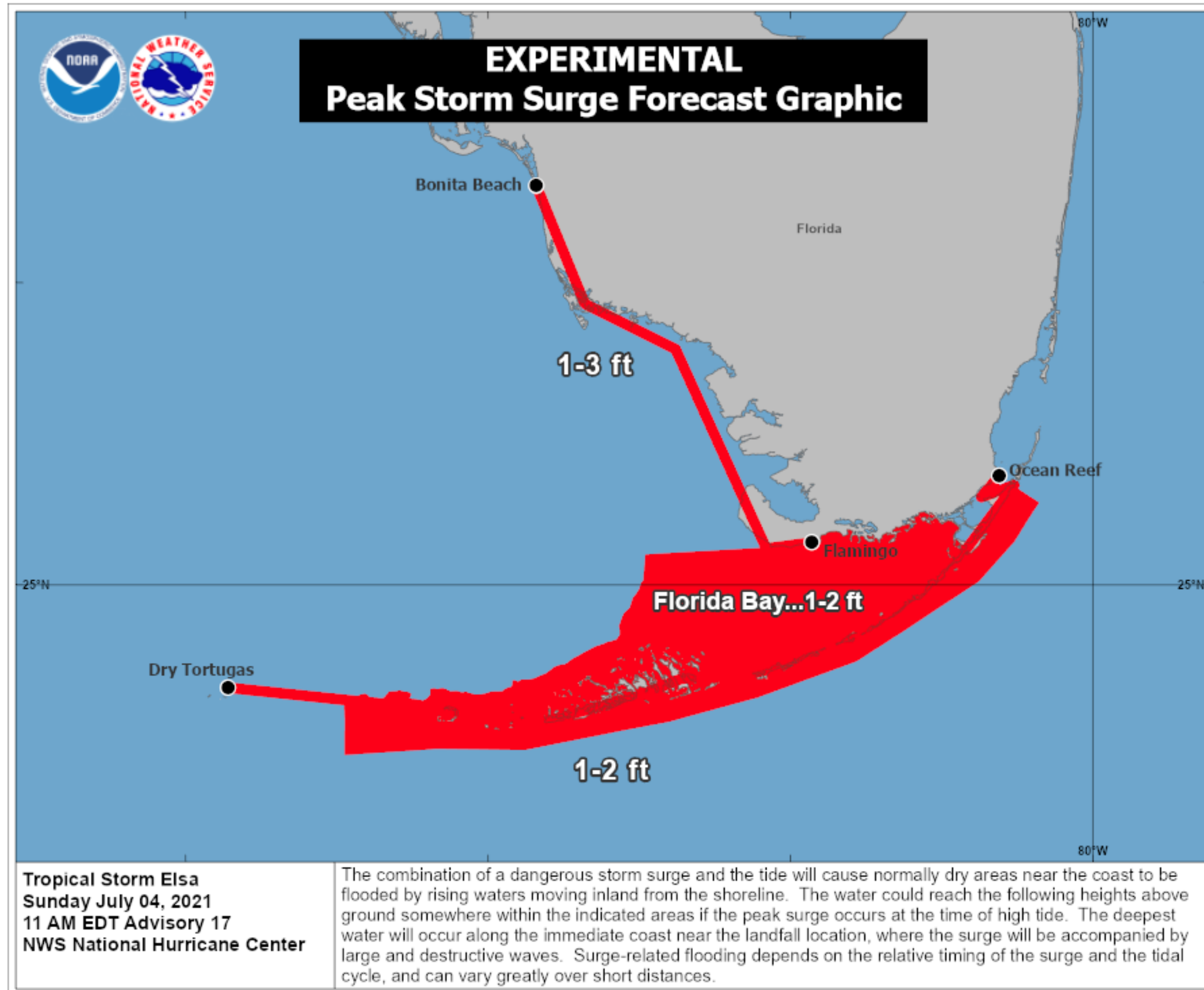


Potential Peak Storm Surge / Watches and Warnings



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Tropical Storm Elsa



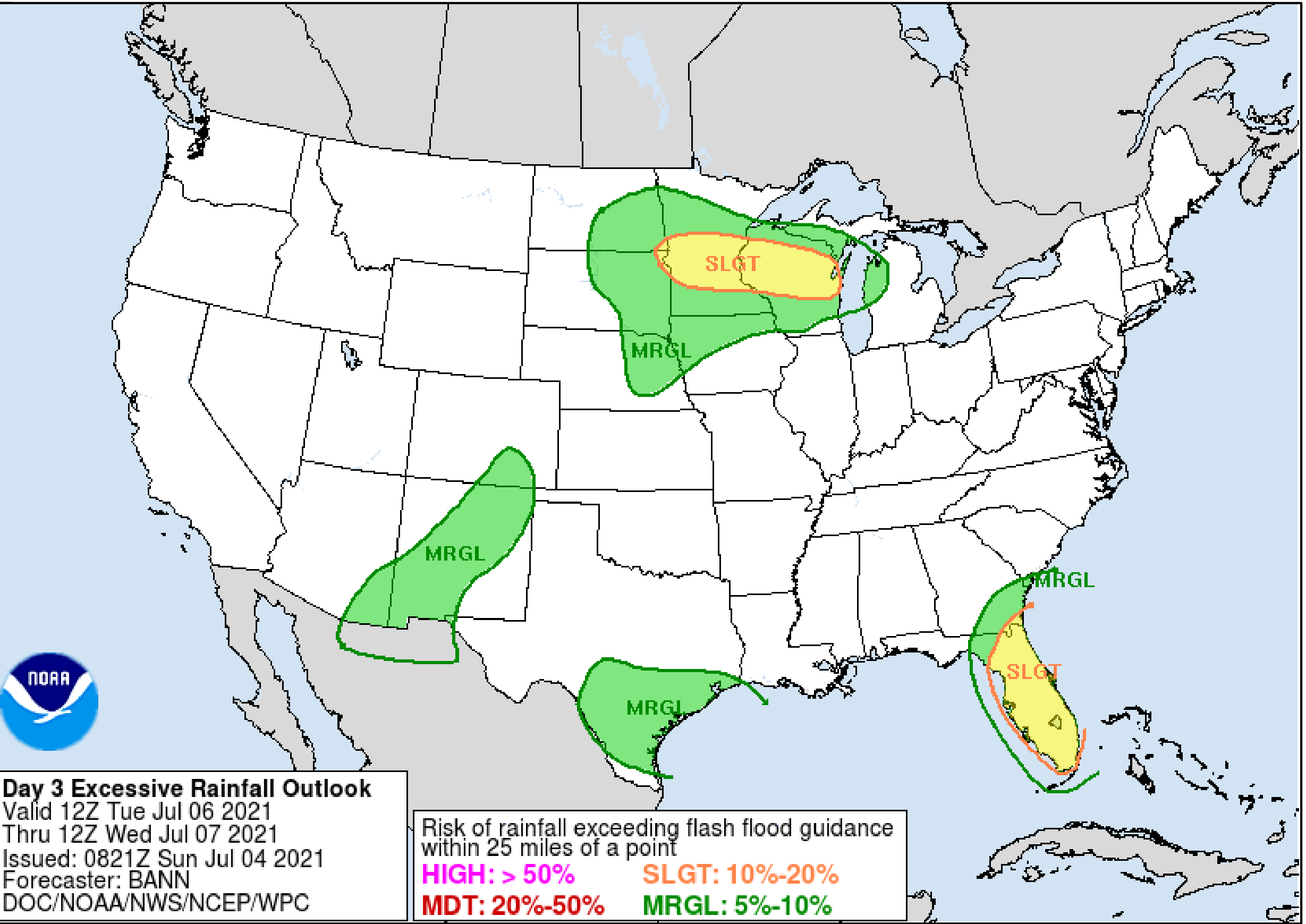
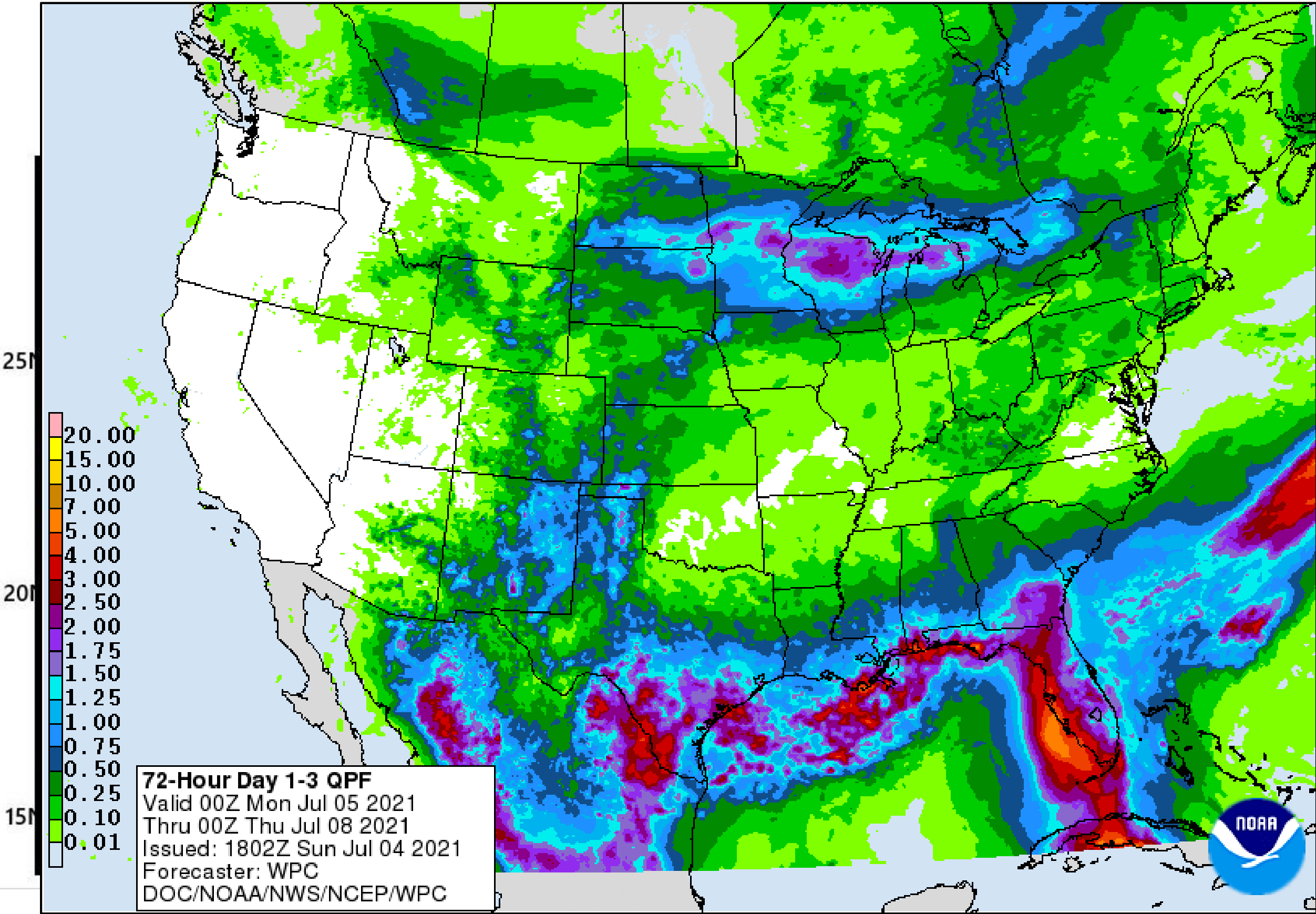
- Potential storm surge is represented in feet above the ground at any given point.

Expected Storm Total Rainfall and Chance of Rainfall Flooding



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Tropical Storm Elsa



- Total rainfall in inches through 8 Jul 1200 UTC or 8 am.

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

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

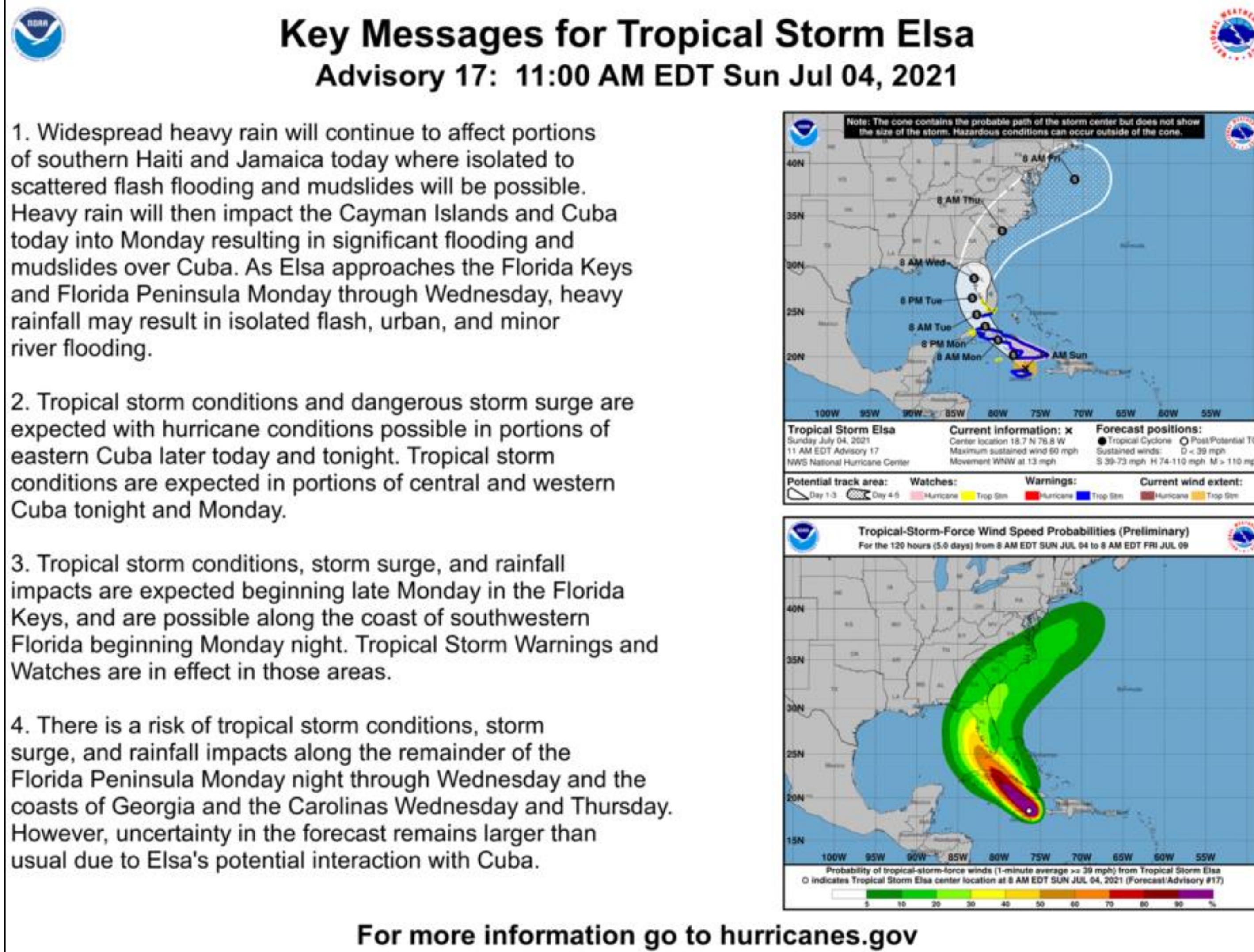
Refer to map legend for Valid Time

Key Messages

Tropical Storm Elsa



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NWS National Hurricane Center



- Tropical Storm conditions expected across eastern Cuba and adjacent Caribbean waters this evening and tonight
- Large seas 12 to 18 ft across northern Jamaica waters and approach to the Windward Passage to slam into SE coast of Cuba this evening
- Elsa to move across Cuba tonight through Monday and enter the Straits of Florida late Monday afternoon, with a brief period for reintensification possible Monday evening and night



TROPICAL STORM ELSA BRIEFING

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

*The Next Briefing Will Be:
Monday 9:00 AM EDT*

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



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