

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Low

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - Moderate

TROPICAL STORM ELSA BRIEFING



9:00 AM EDT
Sunday, July 4, 2021

Prepared by:

Scott Stripling

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

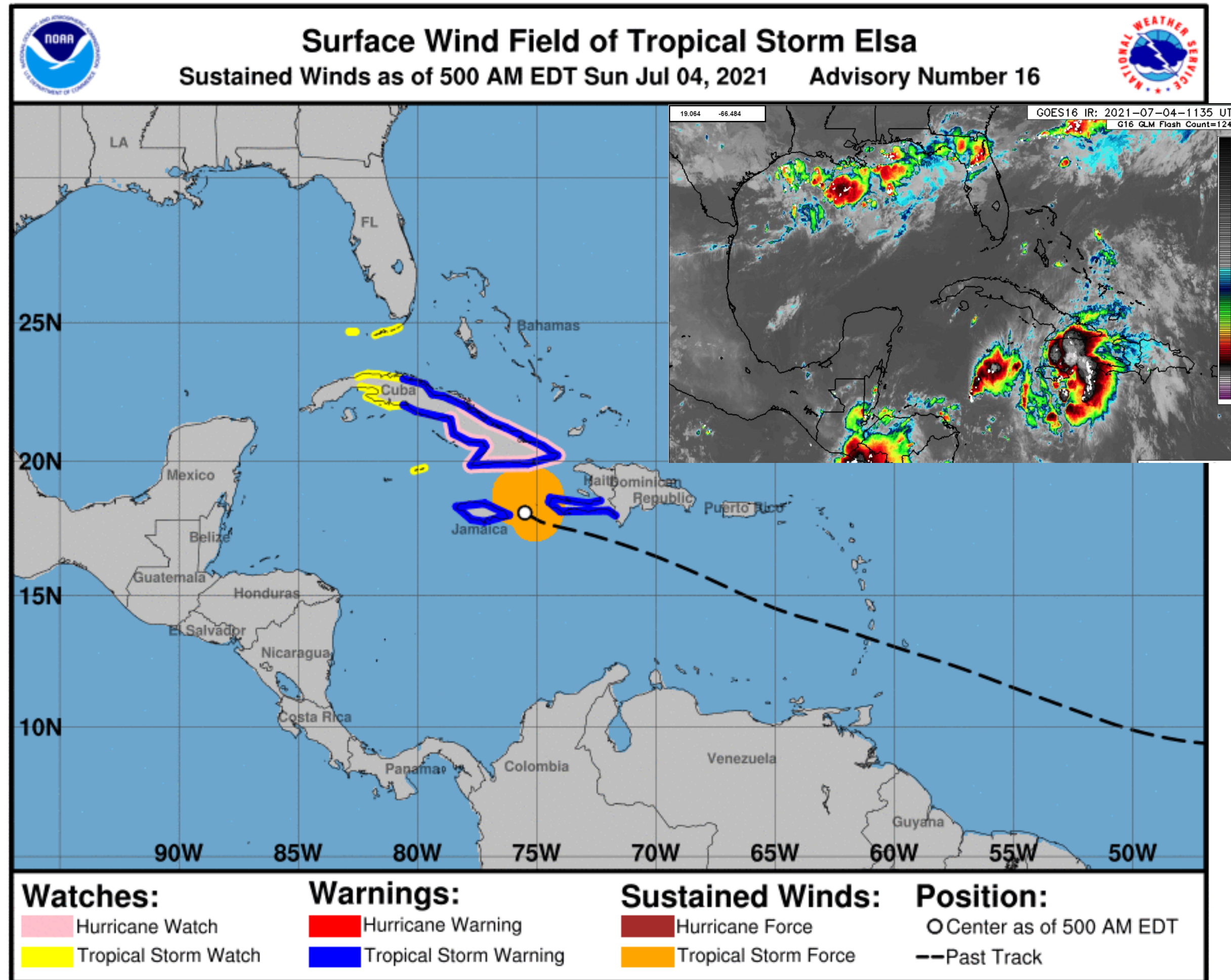


Situation Overview

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa Very Near Eastern Jamaica and Approaching Eastern Cuba...

Summary of 800 AM EDT...1200 UTC...Information

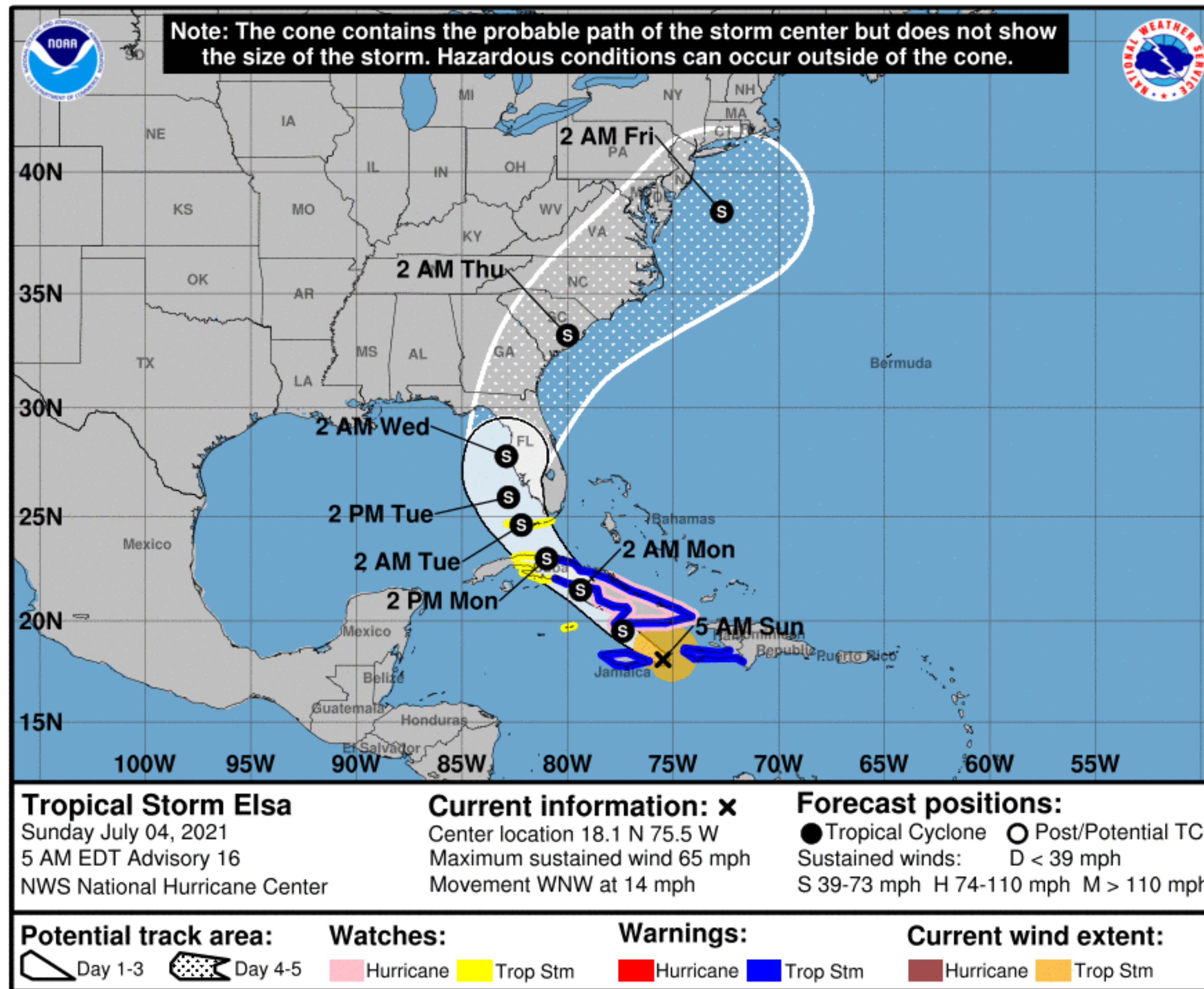
Location... 18.3N 76.2W
About 40 nm...ENE of Kingston Jamaica
About 125 nm...SE of Cabo Cruz Cuba
Maximum Sustained Winds...55 kt
Present Movement...285 degrees at 12 kt
Minimum Central Pressure...1007 mb

Forecast Information

Tropical Storm Elsa



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NWS National Hurricane Center



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

- Elsa is moving away from southern Haiti and very near eastern Jamaica this morning, and will approach eastern Cuba later this morning.
- Tropical storm conditions, and large seas expected to continue across much of the Windward Passage and will spread across eastern Cuba today.
- 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

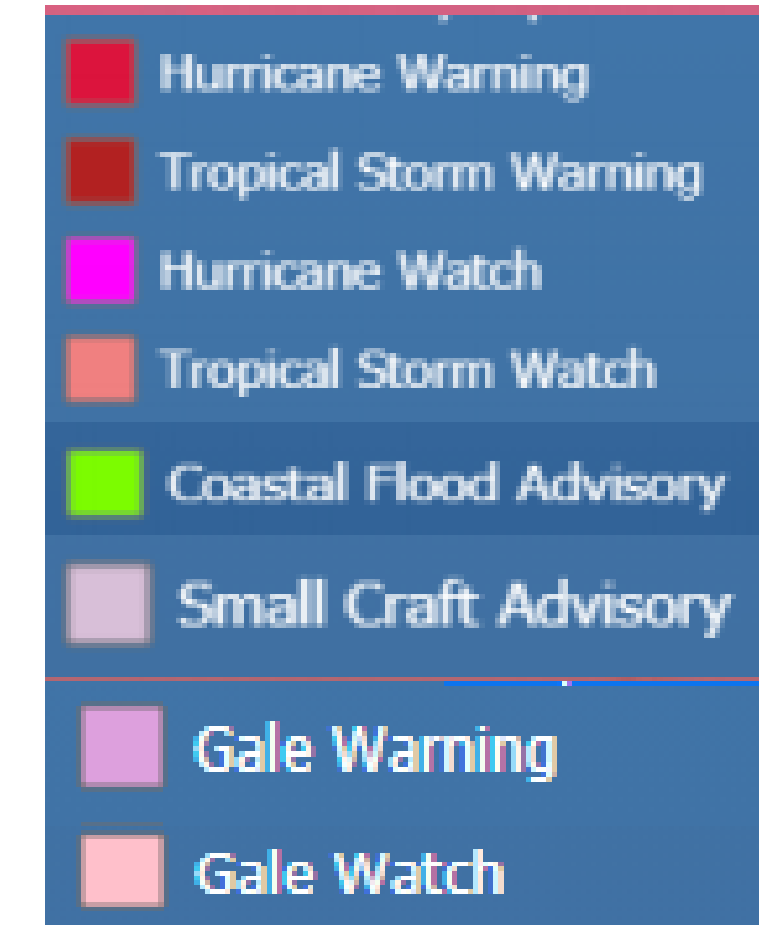
** Swaths are calculated using 67th percentile errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Tropical Storm Elsa



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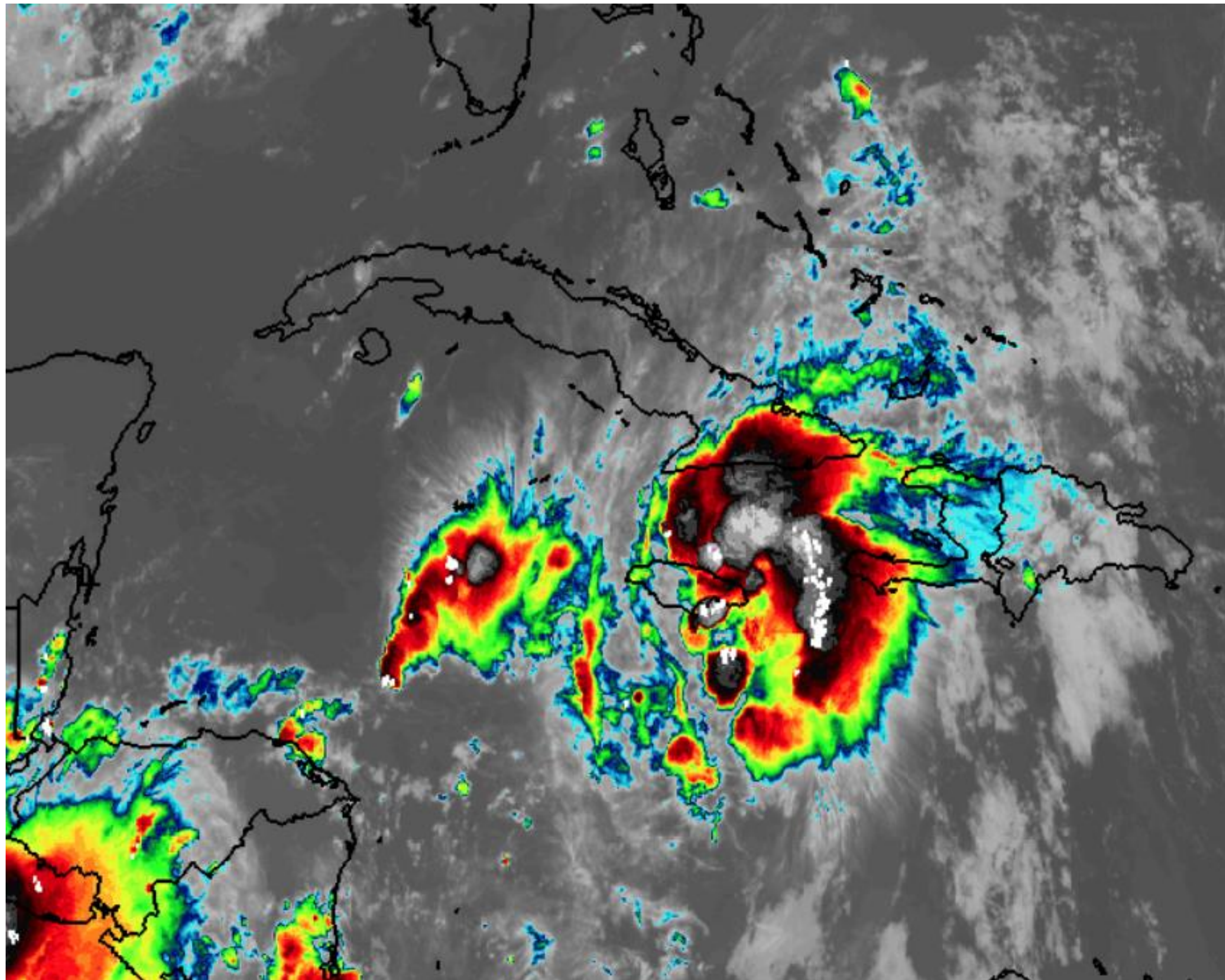
- <https://nowcoast.noaa.gov/>

Current Satellite View

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa near eastern Jamaica and
approaching eastern Cuba...

Summary of 800 AM EDT... 1200
UTC... Information

Location... 18.3N 76.2W
About 40 nm... ENE of Kingston Jamaica
About 125 nm... SE of Cabo Cruz Cuba
Maximum Sustained Winds... 55 kt
Present Movement... 285 degrees at 12 kt
Minimum Central Pressure... 1007 mb

T.S. Wind Speed Probabilities

Tropical Storm Elsa



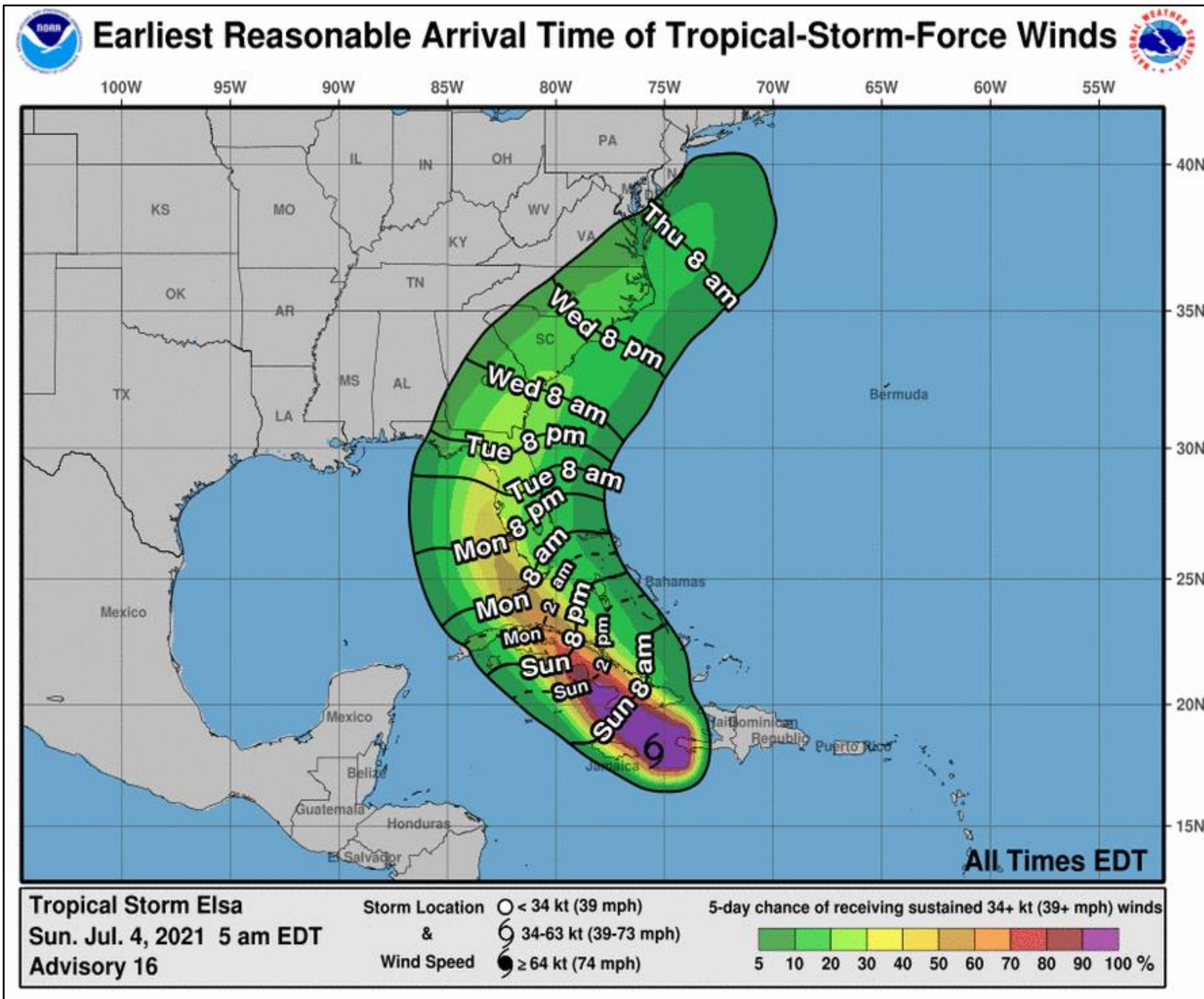
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- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are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



Tropical Storm Elsa



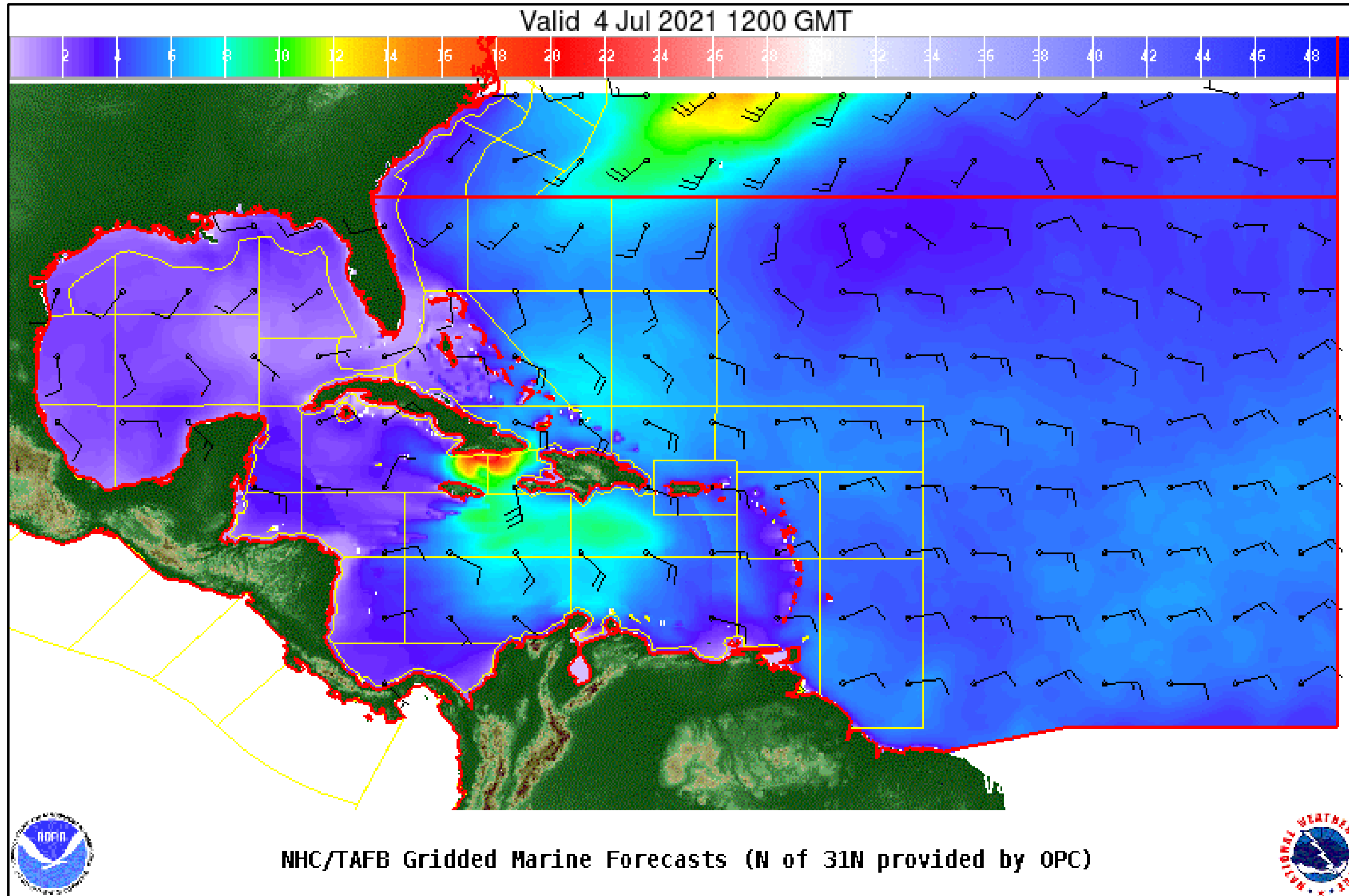
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Earliest reasonable time of arrival for TS winds across Key West area is early Monday morning
- Earliest reasonable time of arrival for TS winds across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

Wind And Waves

Tropical Storm Elsa

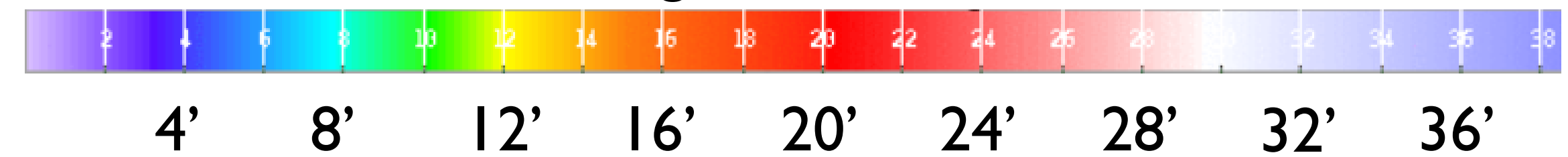


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NWS National Hurricane Center



12 Hour Forecast
4 Jul 1200 UTC or 8 am
Peak Winds: 55 kt
Peak Seas: 20 ft

■ Wave heights are in feet

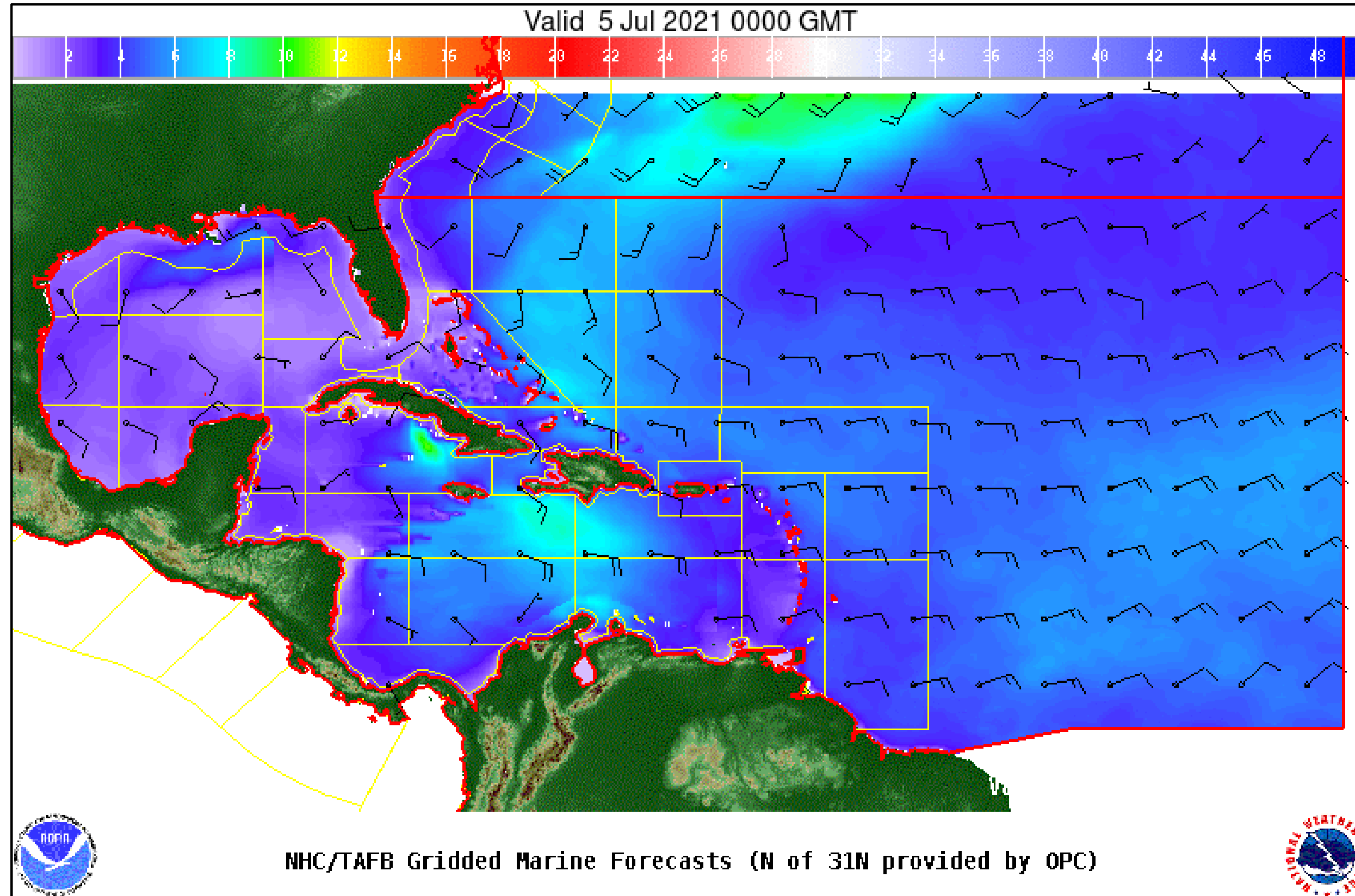


Wind And Waves

Tropical Storm Elsa



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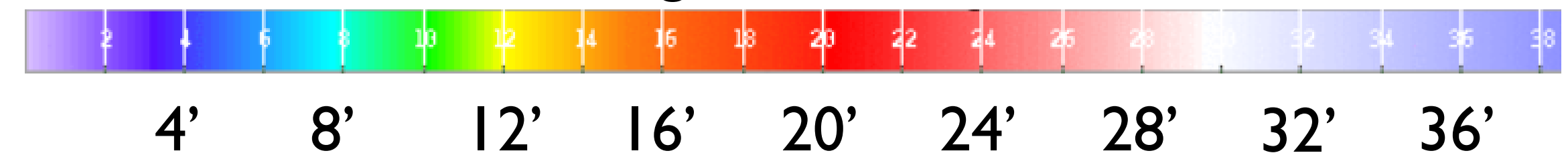
24 Hour Forecast

5 Jul 0000 UTC or 8 pm

Peak Winds: 60 kt

Peak Seas: 14 ft

■ Wave heights are in feet

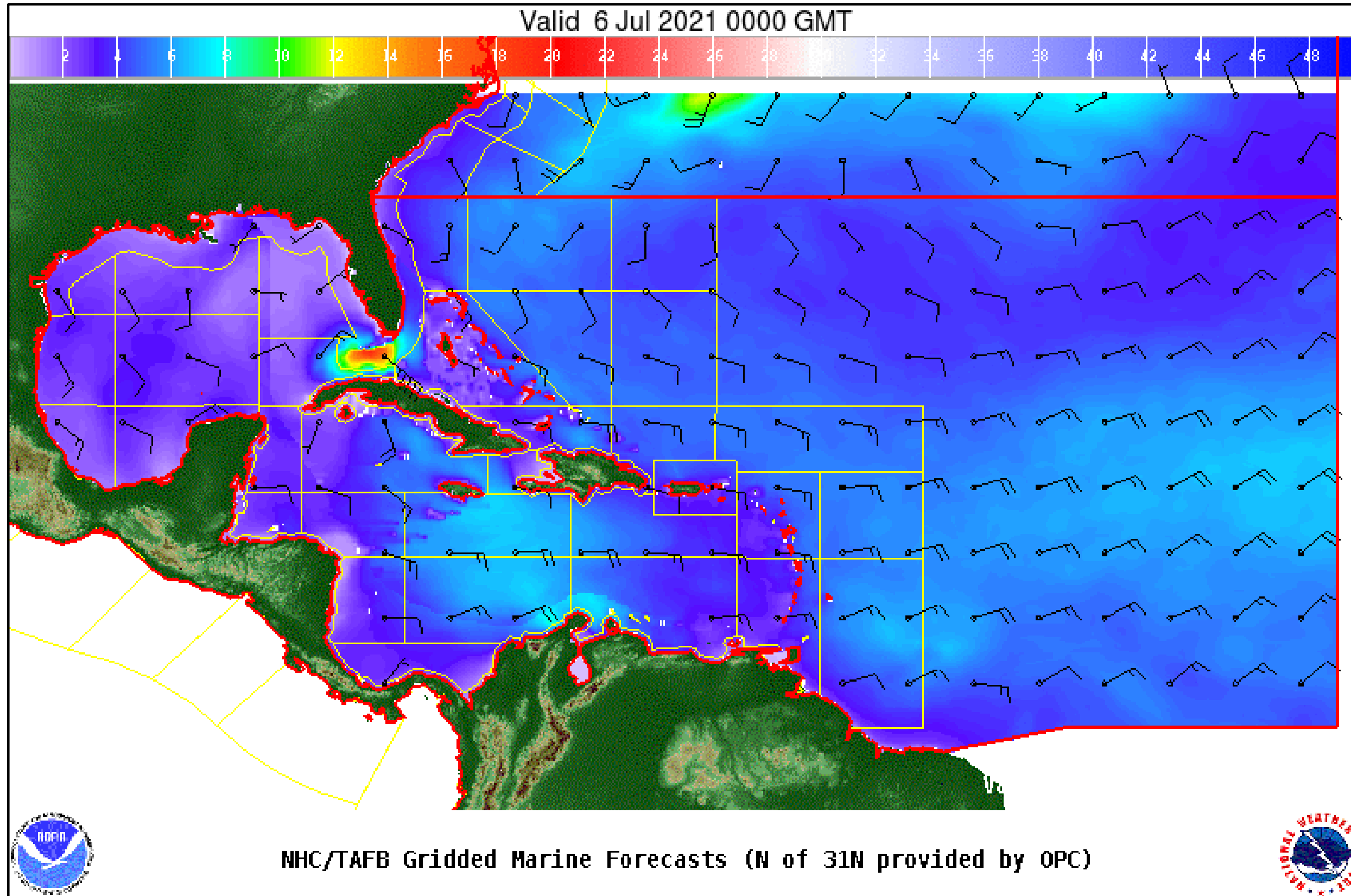


Wind And Waves

Tropical Storm Elsa



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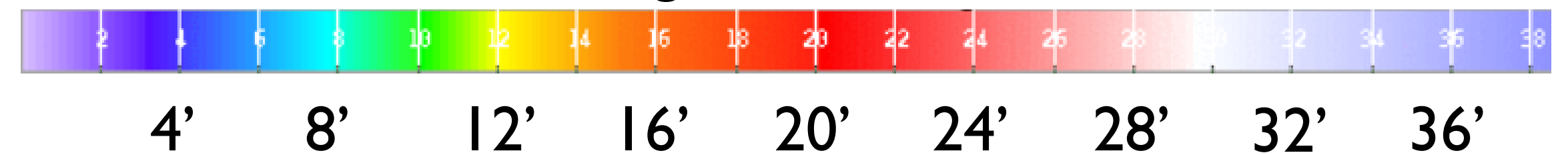
48 Hour Forecast

6 Jul 0000 UTC of 8 pm

Peak Winds: 50 kt

Peak Seas: 19 ft

■ Wave heights are in feet

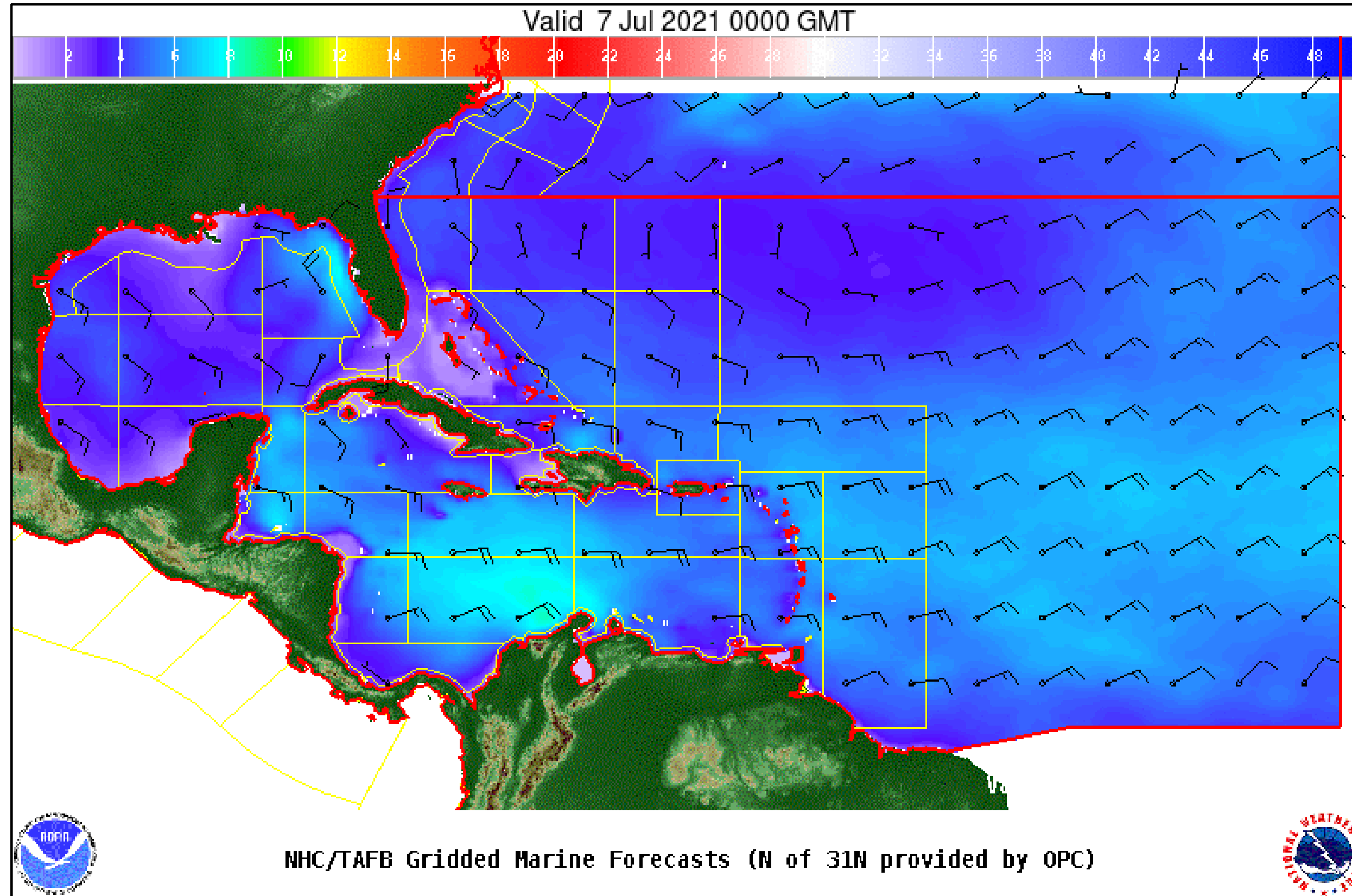


Wind And Waves

Tropical Storm Elsa



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NWS National Hurricane Center



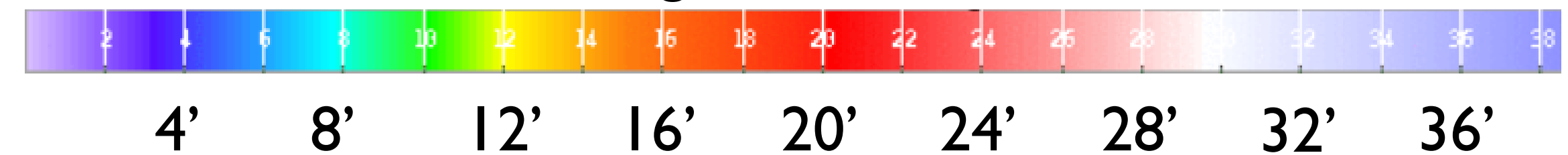
72 Hour Forecast

7 Jul 0000 UTC of 8 pm

Peak Winds: 50 kt

Peak Seas: 12 ft

■ Wave heights are in feet

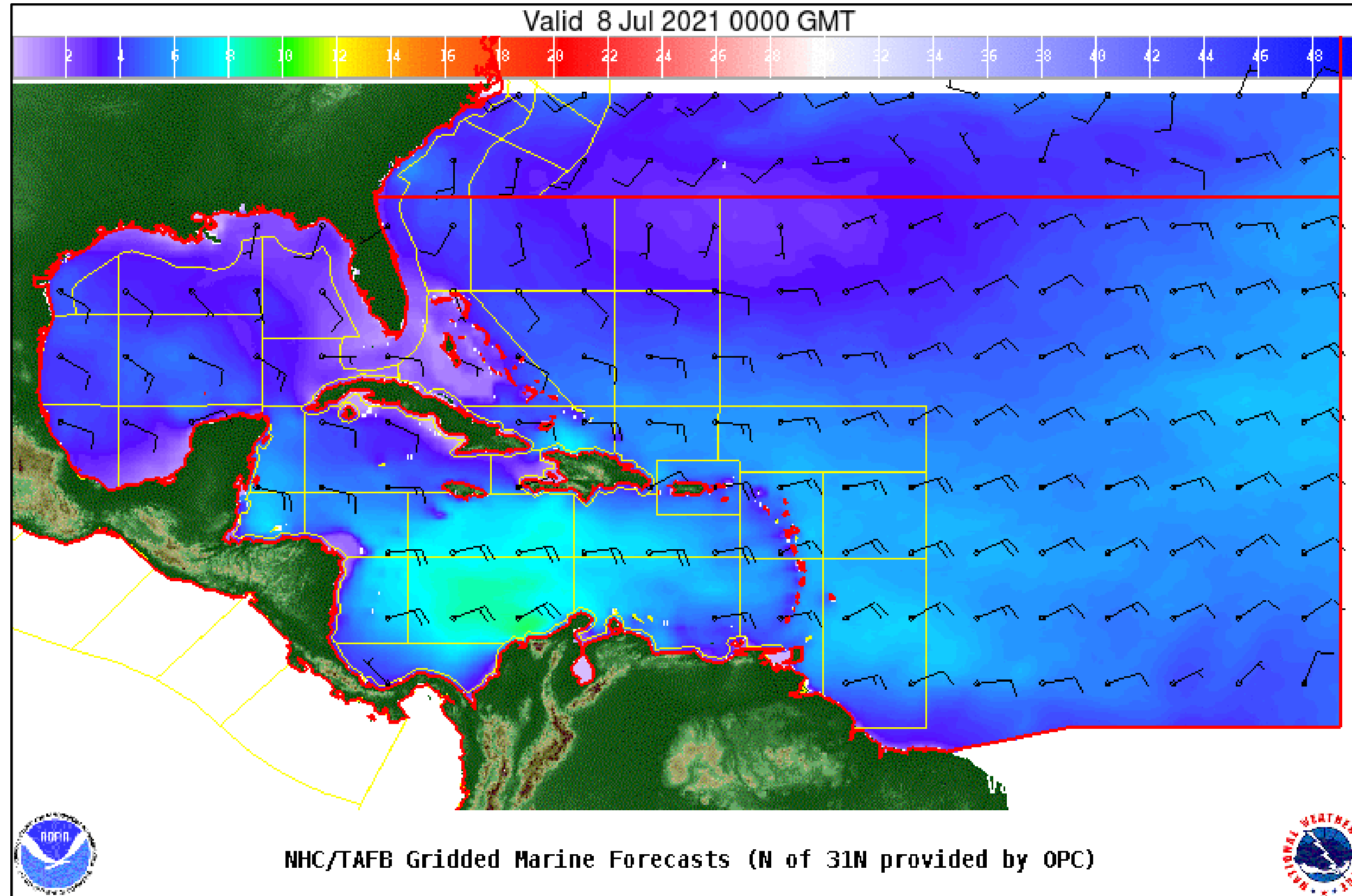


Wind And Waves

Tropical Storm Elsa



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NWS National Hurricane Center

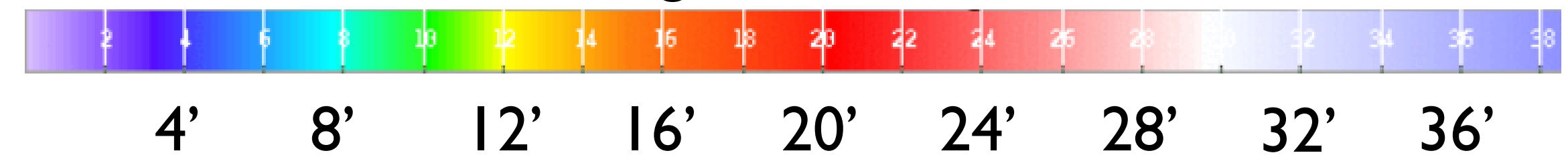


96 Hour Forecast

8 Jul 0000 UTC or 8 pm

Peak Seas: 6 ft

■ Wave heights are in feet

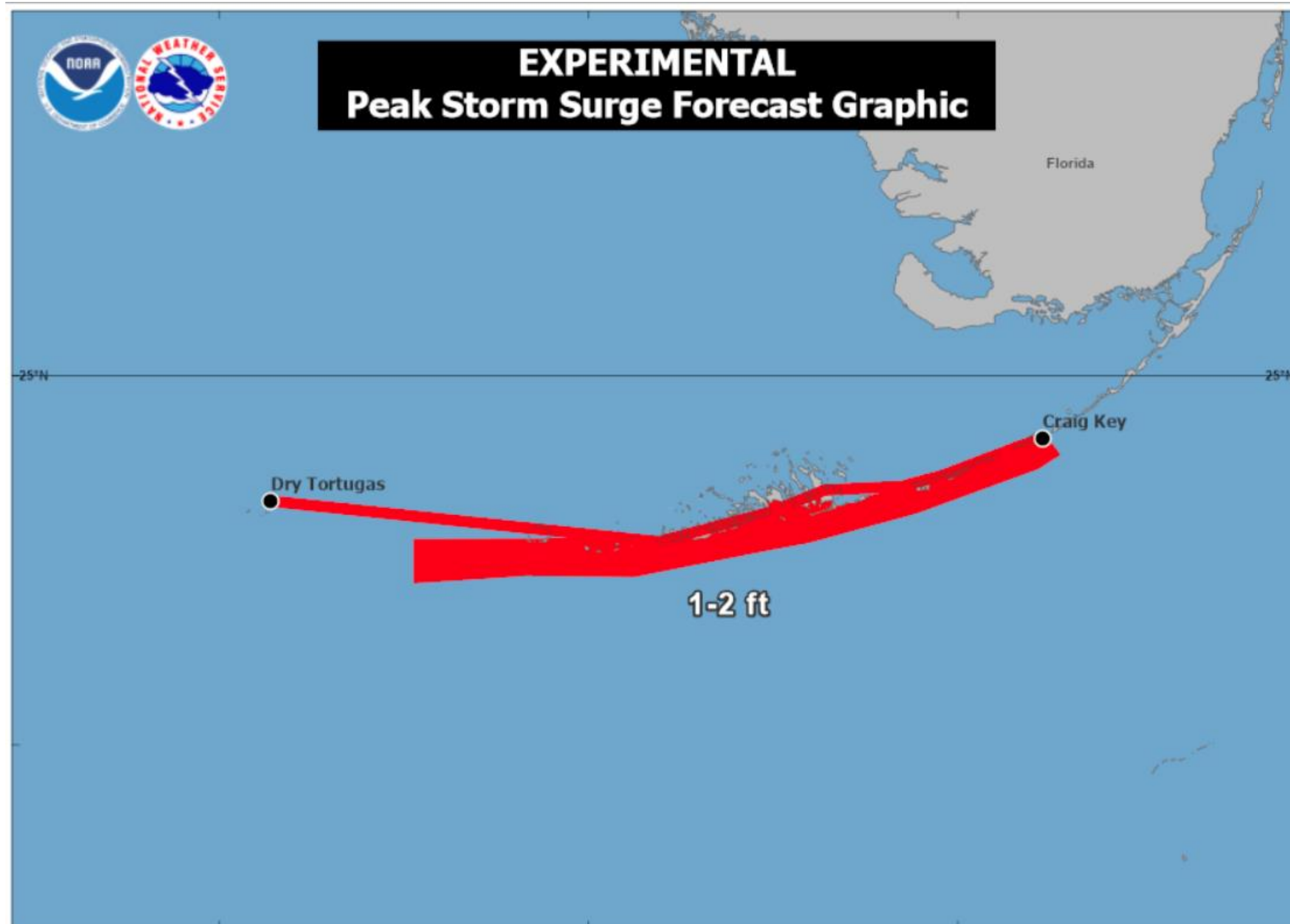


Potential Peak Storm Surge / Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Elsa



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

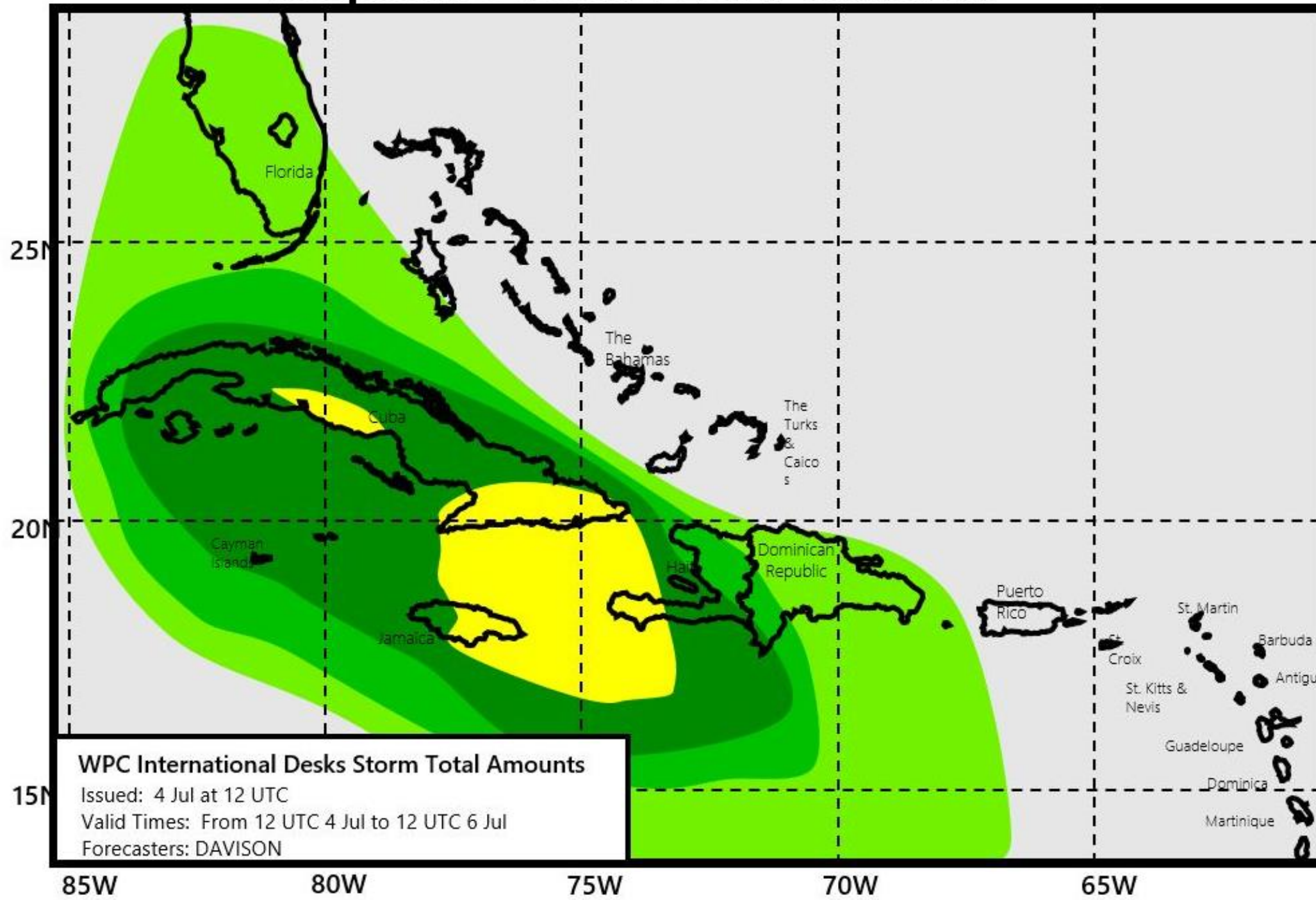
Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

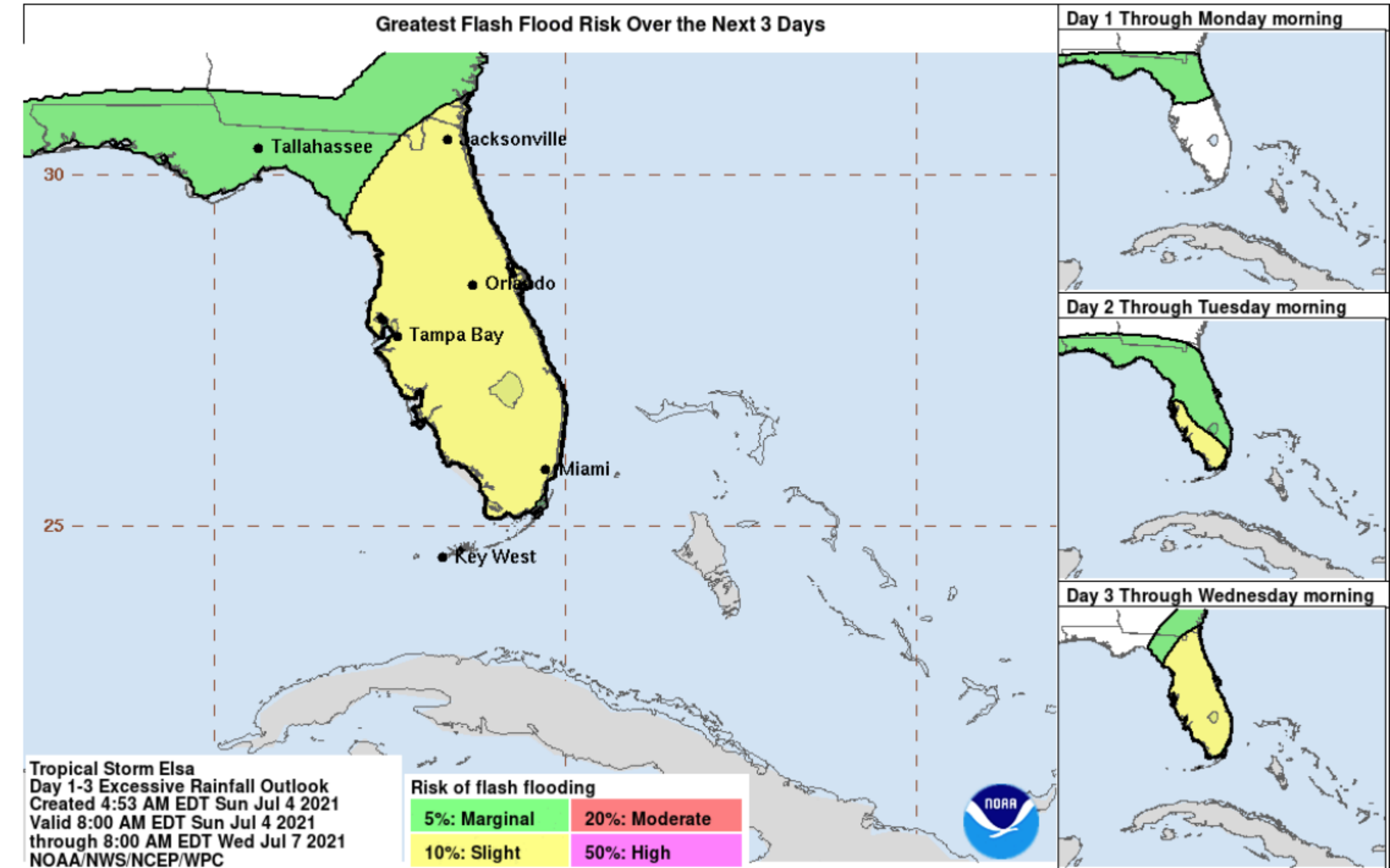
Tropical Storm Elsa

Tropical Storm ELSA Rainfall



Rainfall (in)	Rainfall (mm)
30+	750+
25-30	625-750
20-25	500-625
15-20	375-500
10-15	250-375
8-12	200-300
6-10	150-250
3-6	75-150
2-3	50-75
1-2	25-50

NOTE
This forecast is for planning purposes. A detailed official forecast will be issued by the respective National Hydro Meteorological Service.



- Total rainfall in inches through 6 Jul 1200 UTC or 8 am.


Refer to map legend for Valid Time

Key Messages

Tropical Storm Elsa




Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Tropical Storm Elsa

Advisory 16: 5:00 AM EDT Sun Jul 04, 2021

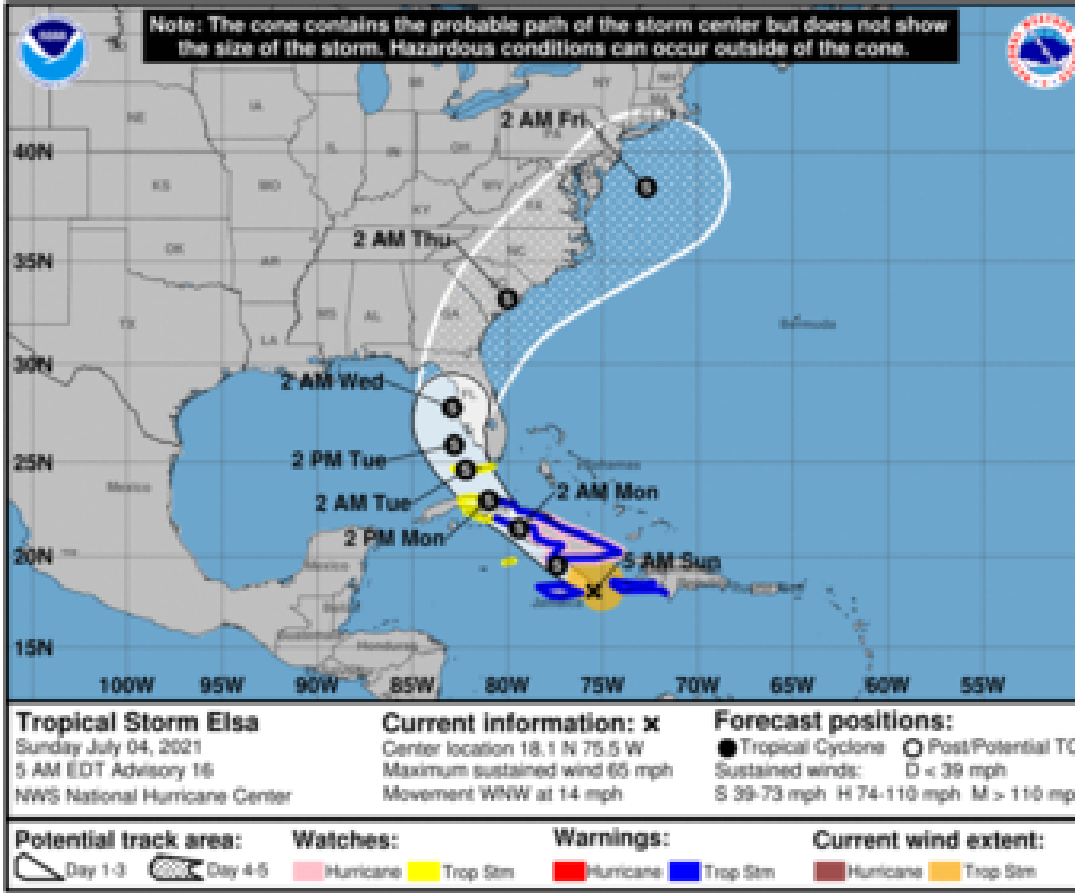


1. Widespread heavy rain will move across southern Haiti and Jamaica tonight into Sunday where isolated to scattered flash flooding and mudslides will be possible. Heavy rain will then impact the Cayman Islands and Cuba Sunday into Monday resulting in significant flooding and mudslides over Cuba. As Elsa approaches the Florida Keys and Florida Peninsula early next week, isolated flash flooding and minor river flooding will be possible.

2. Tropical storm conditions and dangerous storm surge are expected with hurricane conditions possible in portions of eastern Cuba later this morning. Tropical storm conditions are possible in central and western Cuba tonight and Monday.

3. There is an increasing risk of tropical storm conditions, storm surge, and rainfall impacts beginning late Monday in the Florida Keys, and a Tropical Storm Watch is in effect for portions of the Florida Keys.

4. There is a risk of tropical storm conditions, storm surge, and rainfall impacts along the Florida Peninsula Monday night through Wednesday and the coasts of Georgia and the Carolinas Wednesday and Thursday. However, uncertainty in the forecast remains larger than usual due to Elsa's potential interaction with Cuba.



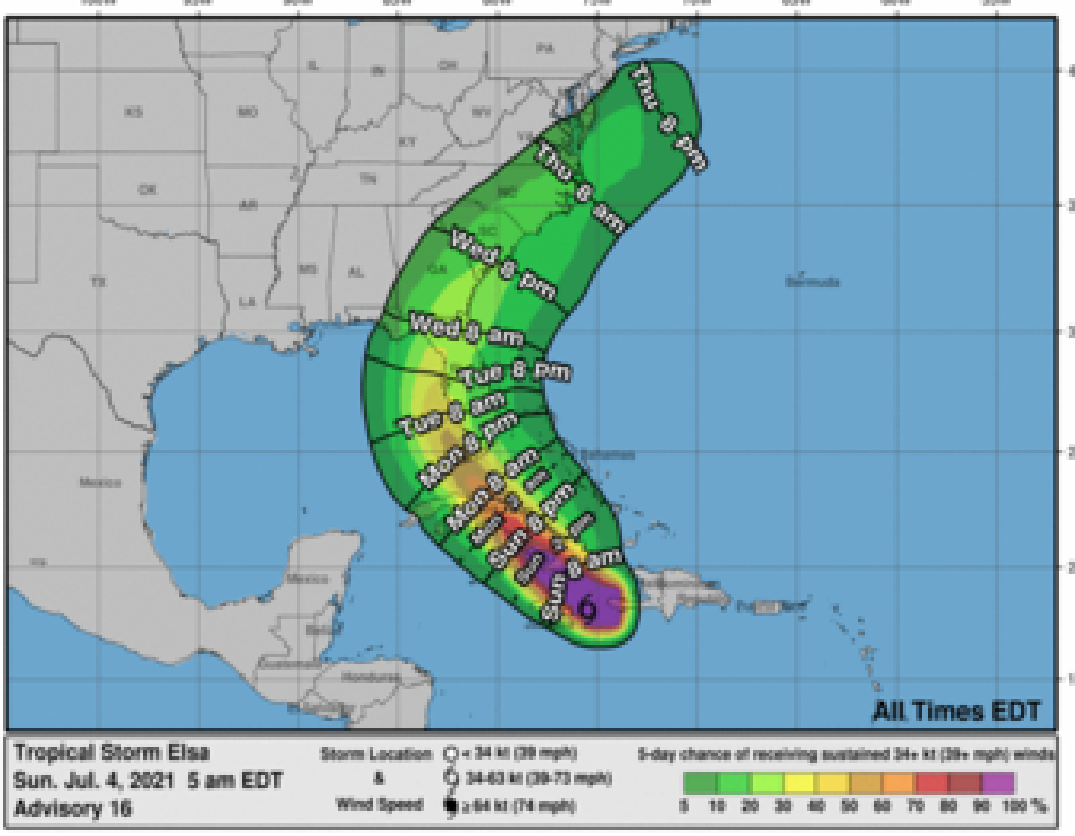
Tropical Storm Elsa
Sunday July 04, 2021
5 AM EDT Advisory 16
NWS National Hurricane Center

Current information: x
Center location 18.1 N 75.5 W
Maximum sustained wind 65 mph
Movement WNW at 14 mph

Forecast positions:
● Tropical Cyclone ○ Post-Potential TC
Sustained winds: □ < 39 mph
S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Day 1-3 Day 4-5
Watches: Hurricane Trop Stm
Warnings: Hurricane Trop Stm
Current wind extent: Hurricane Trop Stm

Most Likely Arrival Time of Tropical-Storm-Force Winds



Tropical Storm Elsa
Sun, Jul. 4, 2021 5 am EDT
Advisory 16

Storm Location ○ = 34 kt (39 mph)
● = 34-63 kt (39-73 mph)
● = 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds
5 10 20 30 40 50 60 70 80 90 100 %

Wind Speed

All Times EDT

For more information go to hurricanes.gov

- Tropical Storm conditions expected to exit Haiti today and spread across Jamaica and into eastern Cuba today
- Large seas to near 20 ft expected across eastern Jamaica waters and the Windward Passage this morning
- Wind strength and wave heights associated with Elsa moving across the Straits of Florida contingent on land interaction with the islands



TROPICAL STORM ELSA BRIEFING

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

*The Next Briefing Will Be:
Sunday 4:00 PM EDT*

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



NHC_TAFB

www.nhc.noaa.gov