

IMPACTS FOR D7 (through next 5 days)

Winds – Low

Storm Surge – Low

Rainfall/Flash Flooding – Moderate

Tornadoes – None

Waves - Moderate

TROPICAL STORM ELSA BRIEFING



8:15 AM EDT
Thursday, July 1, 2021

Prepared by:

Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

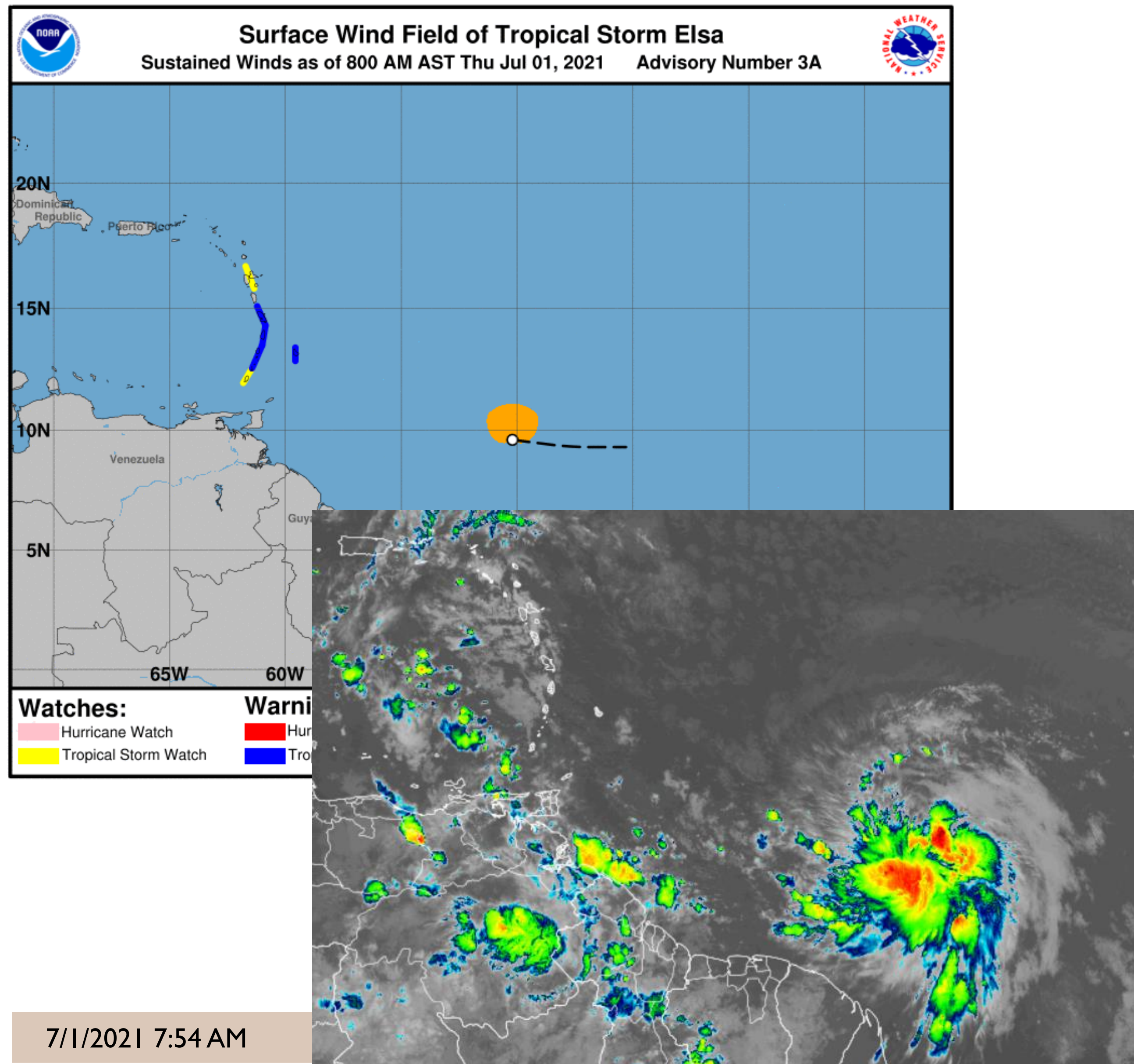


Situation Overview



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NWS National Hurricane Center

Tropical Storm Elsa



...ELSA CONTINUING QUICKLY WESTWARD...

SUMMARY OF 800 AM EDT INFORMATION

LOCATION...9.6N 50.2W
ABOUT 680 NM ESE OF THE WINDWARD IS.
MAXIMUM SUSTAINED WINDS...35 KT
PRESENT MOVEMENT...W AT 22 KT

SIZE

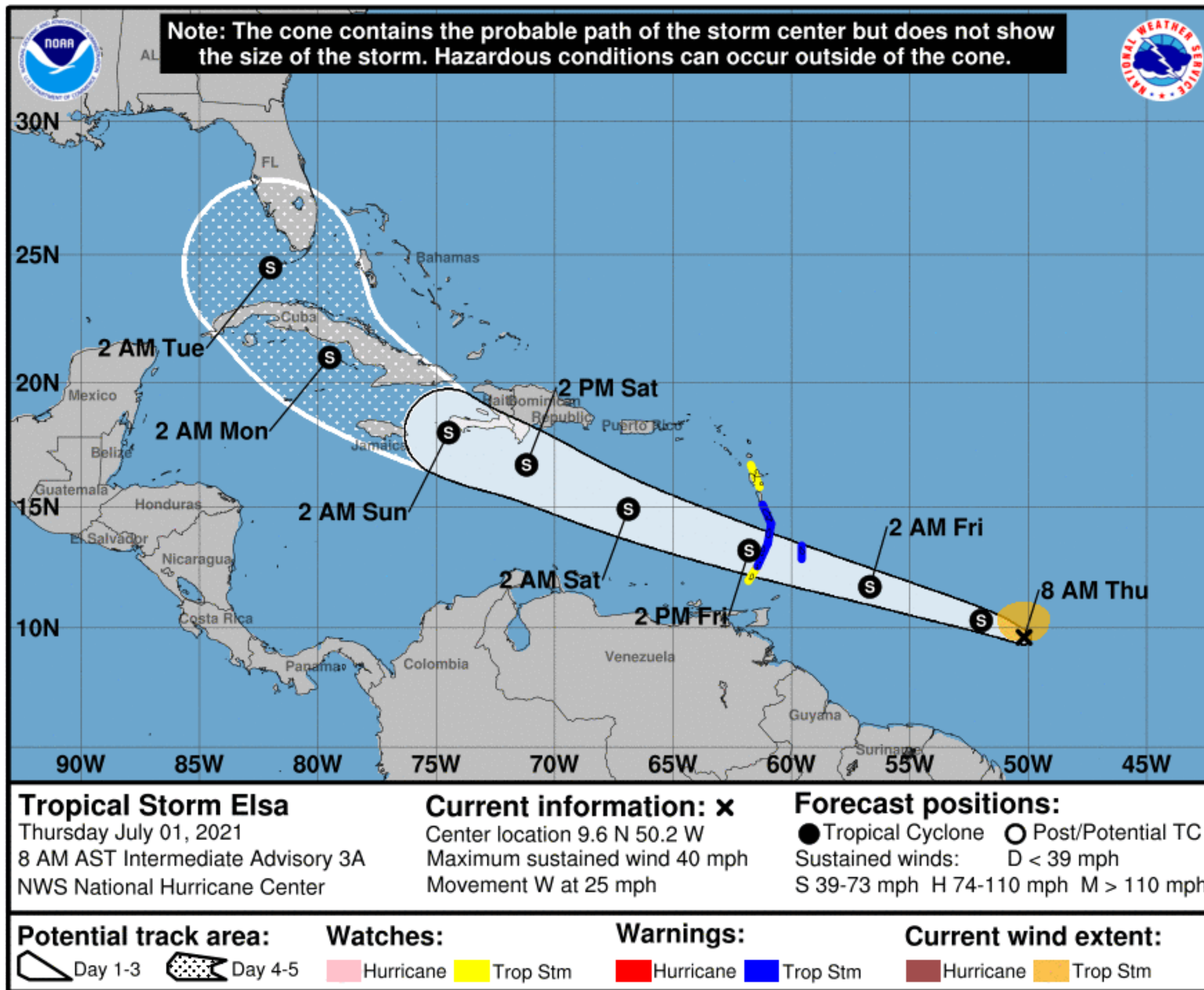
34 KT..... 90NE 0SE 0SW 90NW.
12 FT SEAS.. 60NE 0SE 0SW 0NW.
PEAK SEAS 13 FT

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 expected to turn slightly toward WNW at slightly slower rate of speed during next several days**
- **System expected to intensify some, but unlikely to become hurricane**
- **Uncertainty in both track and max winds very large beyond day 3**
- Current center forecast positions through the next 5 days illustrated by dots
- White swath of potential track is average track error added to each side of the forecast track through day 3
- Hatched swath of potential track is average track error added to each side of the forecast track days 4-5

Hazards Map

Tropical Storm Elsa



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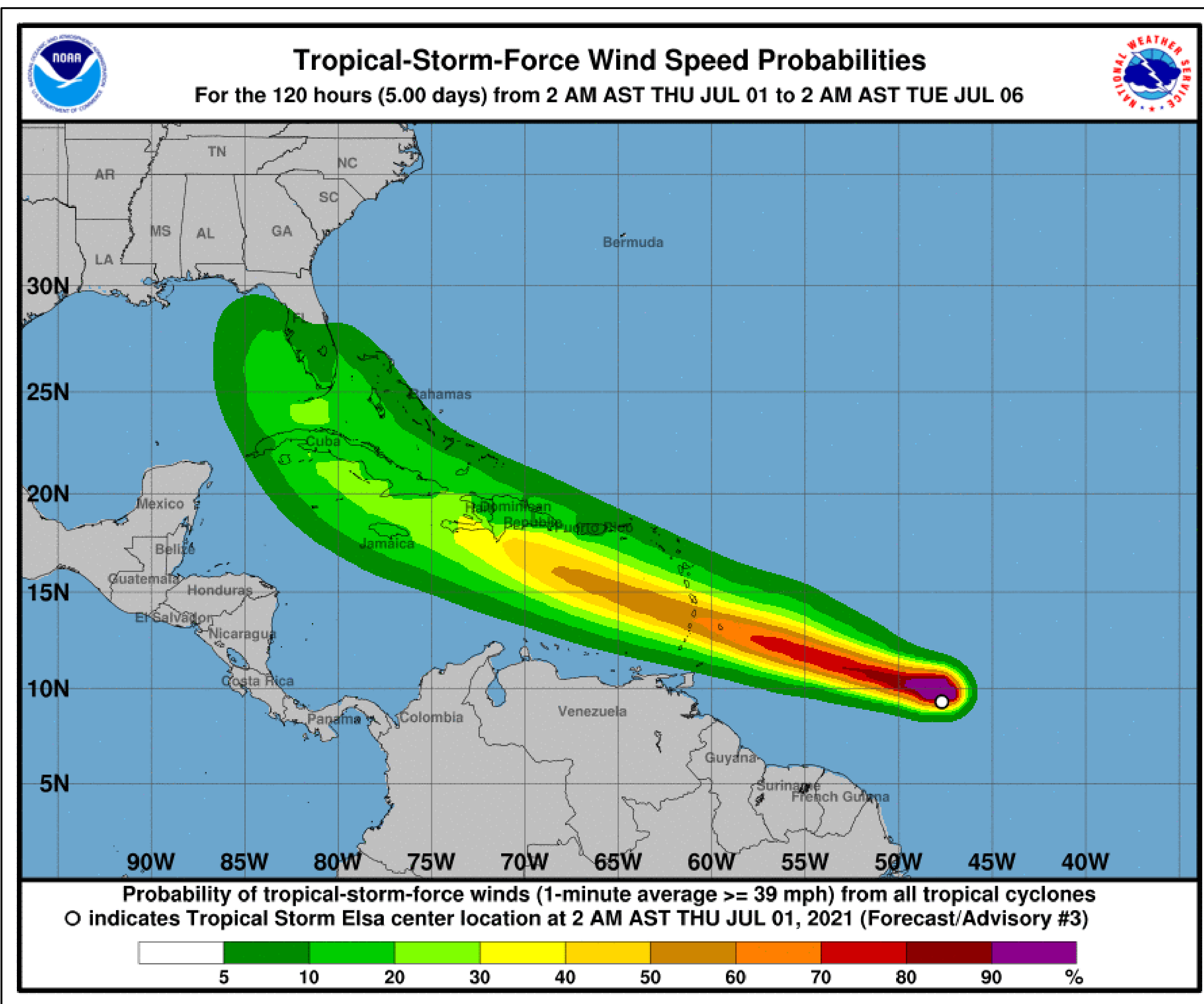
<https://nowcoast.noaa.gov/>

T.S. Wind Speed Probabilities

Tropical Storm Elsa



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- AGUADILLA PR 15%
- VIEQUES PR 10%
- SAINT CROIX 10%

- W PALM BEACH 10%
- FT LAUDERDALE 10%
- MIAMI FL 10%
- HOMESTEAD ARB 10%
- MARATHON FL 20%
- KEY WEST FL 25%
- NAPLES FL 15%
- FT MYERS FL 10%
- VENICE FL 10%
- TAMPA FL 10%

- 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%.

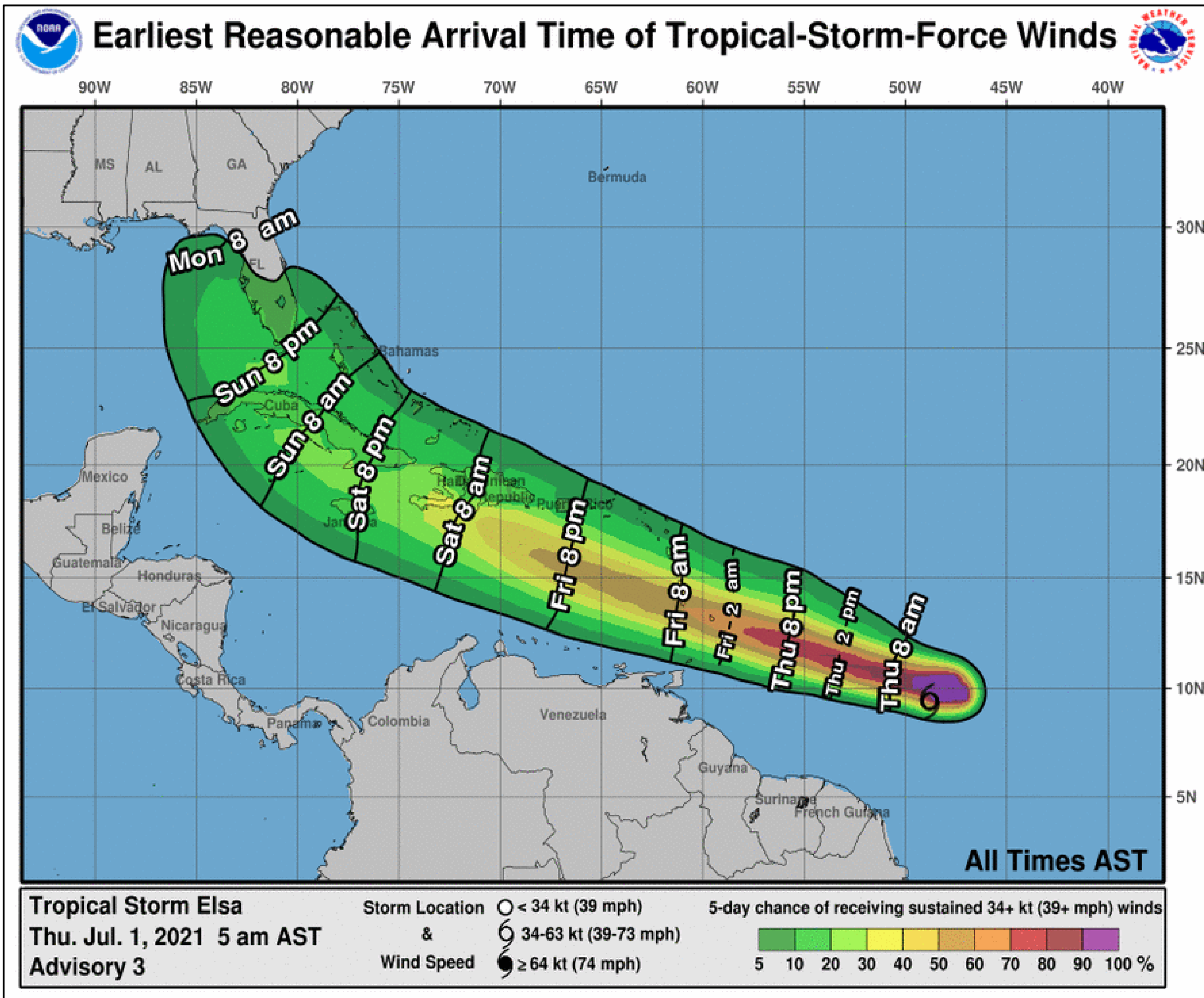
- Yellow to orange is 31-70%

- Red through purple are the highest probabilities of 71%-100%

- See the color bar below the image for more details.



Tropical Storm Elsa



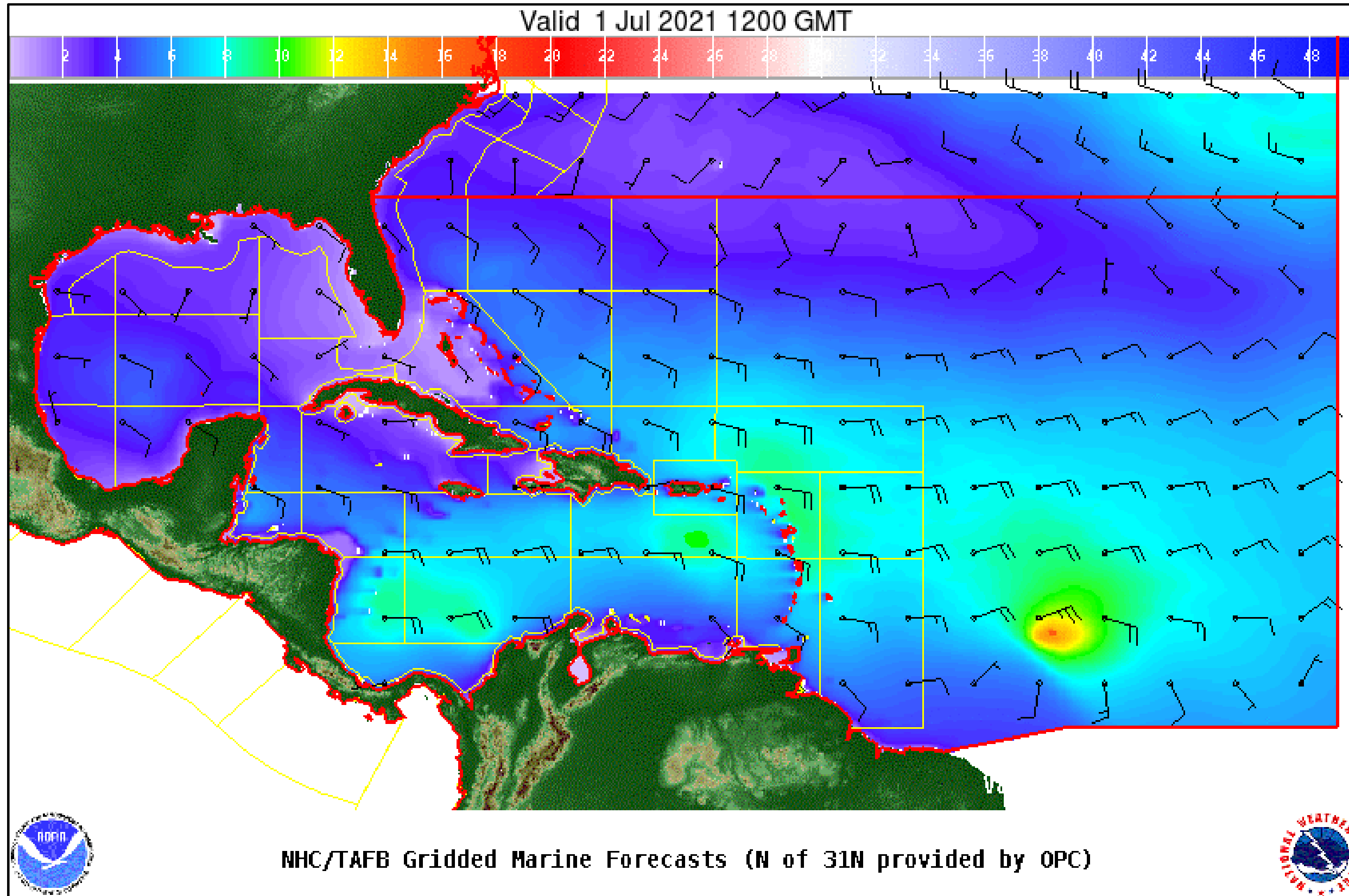
- Puerto Rico/USVI: Fri afternoon
- South Florida: Sun night
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Tropical Storm Elsa



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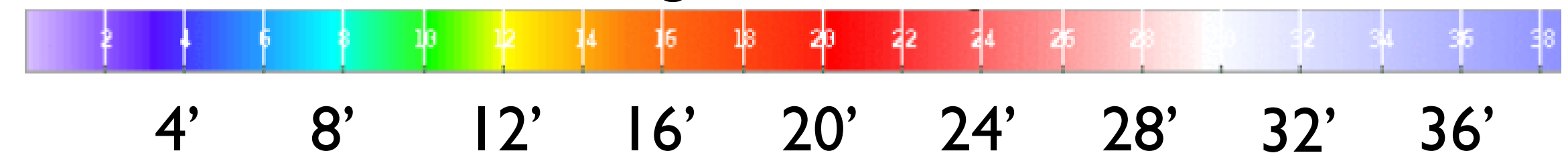
Current Conditions

8am EDT, Thursday, July 1st

Peak Winds: 35 kt

Peak Seas: 13 ft

■ Wave heights are in feet

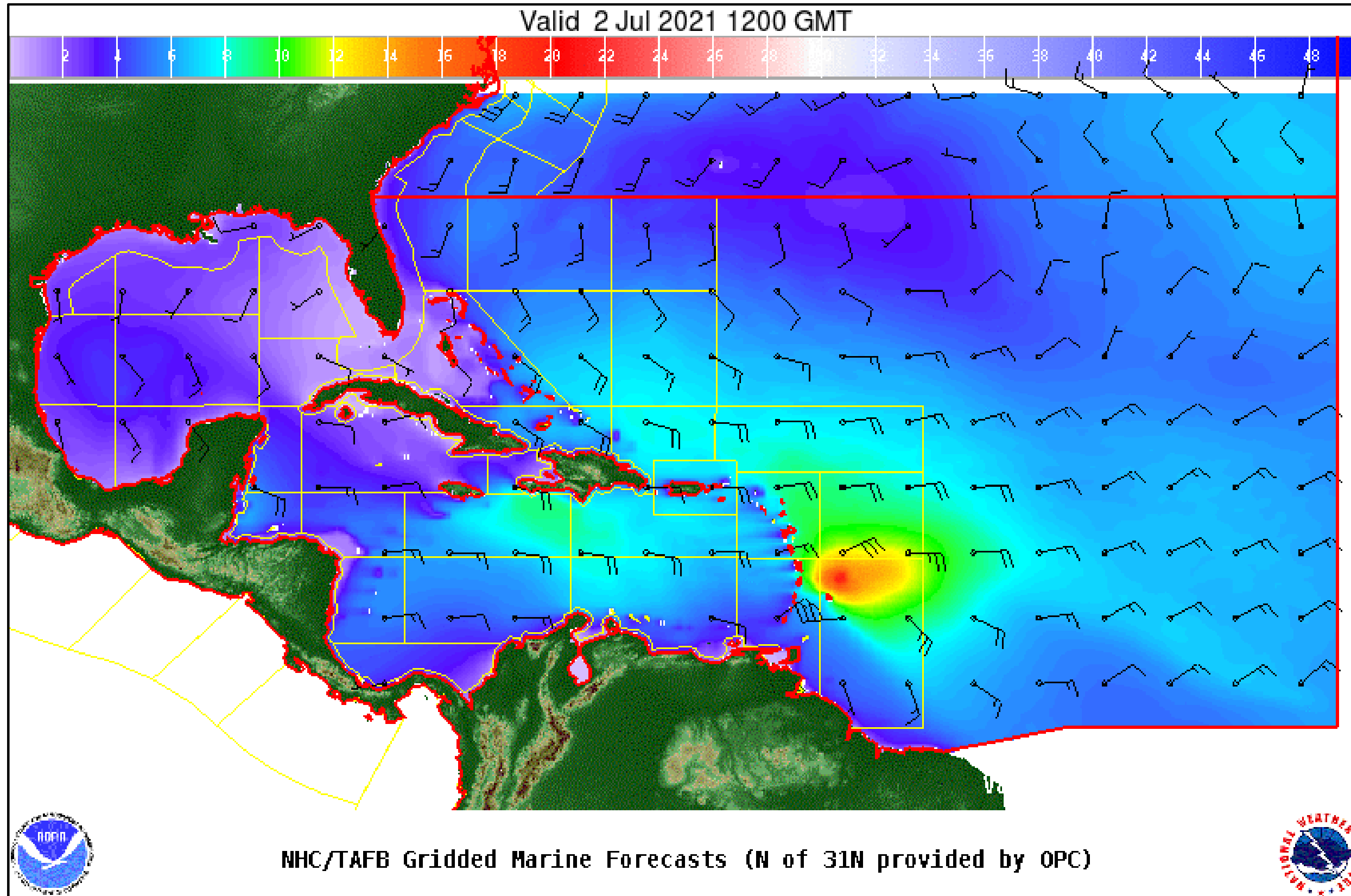


Wind And Waves

Tropical Storm Elsa



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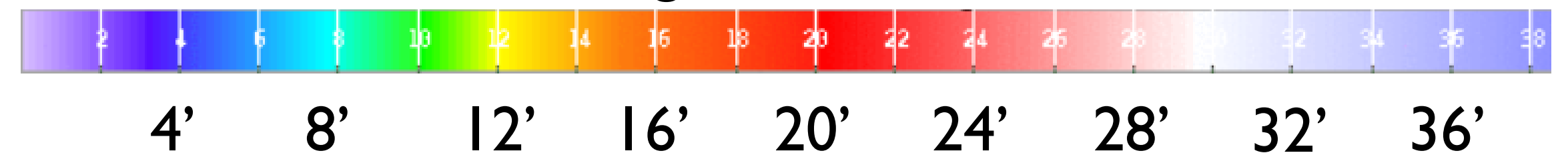
24 Hour Forecast

8am EDT, Friday, July 2nd

Peak Winds: 50 kt

Peak Seas: 18 ft

■ Wave heights are in feet

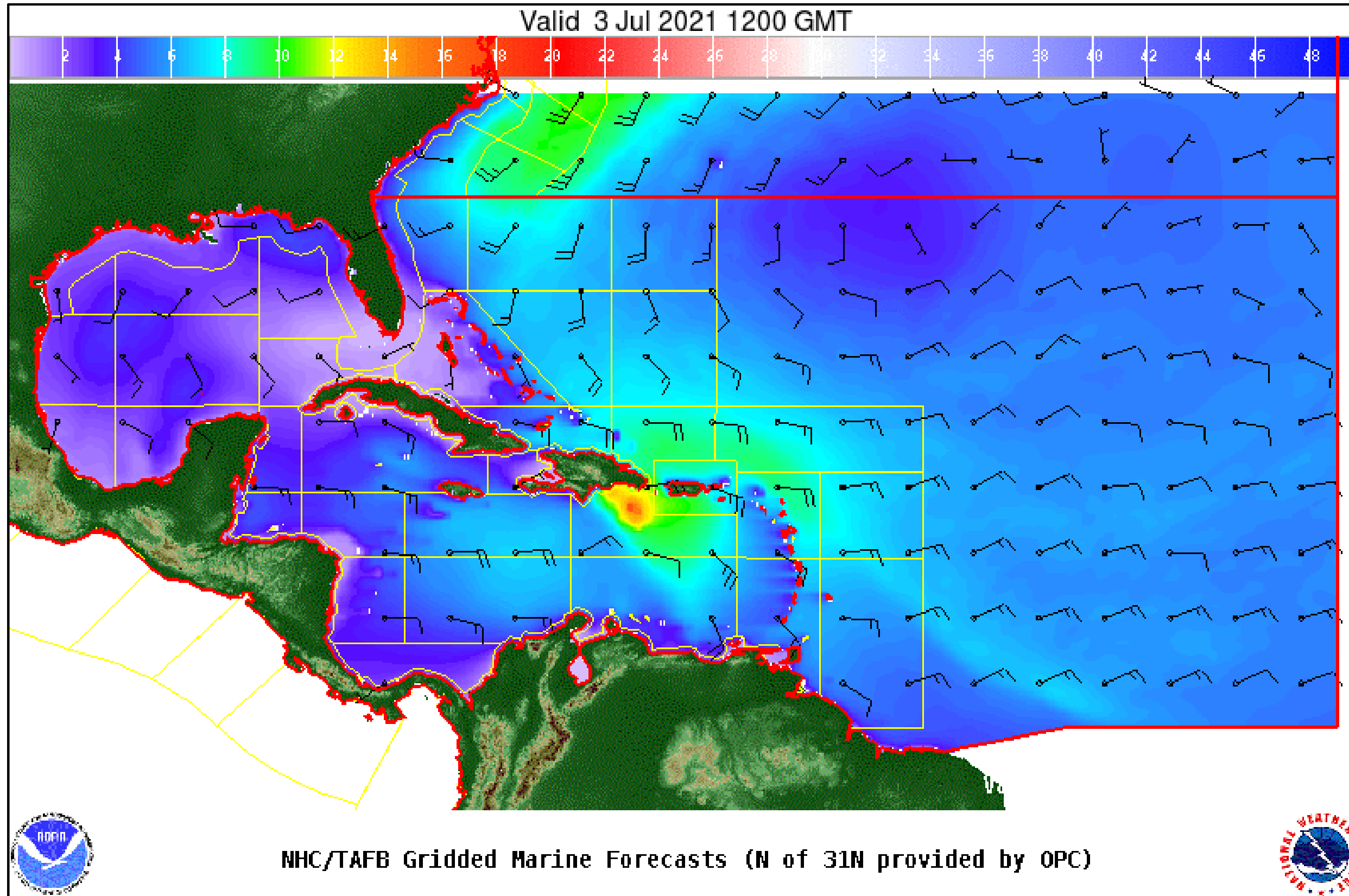


Wind And Waves

Tropical Storm Elsa



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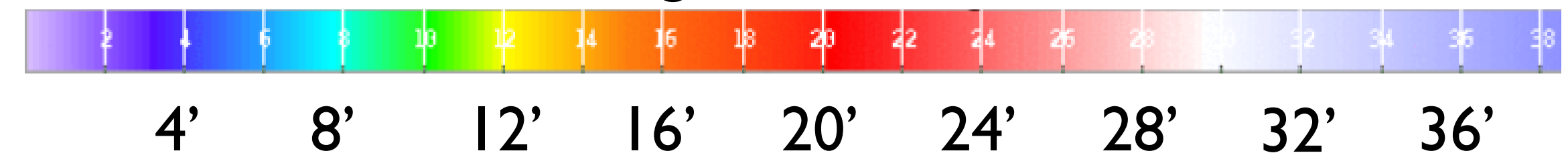
48 Hour Forecast

8am EDT, Saturday, July 3rd

Peak Winds: 55 kt

Peak Seas: 18 ft

■ Wave heights are in feet

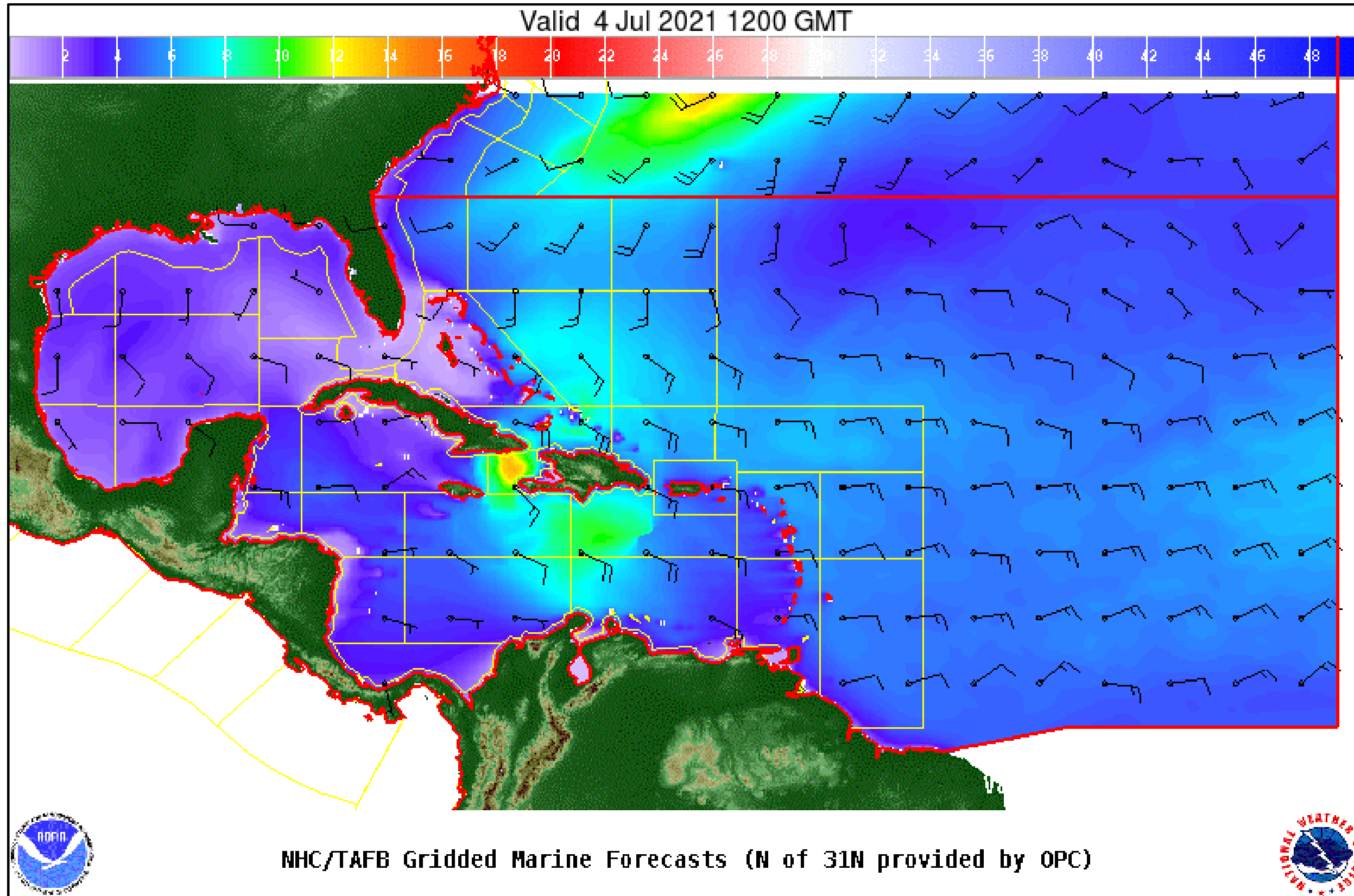


Wind And Waves

Tropical Storm Elsa



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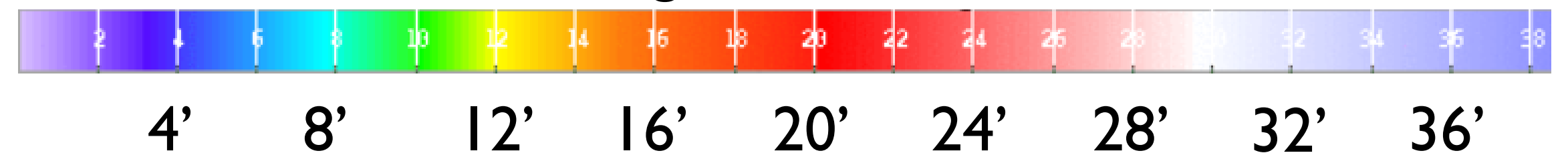
72 Hour Forecast

8am EDT, Sunday, July 4th

Peak Winds: 50 kt

Peak Seas: 15 ft

■ Wave heights are in feet

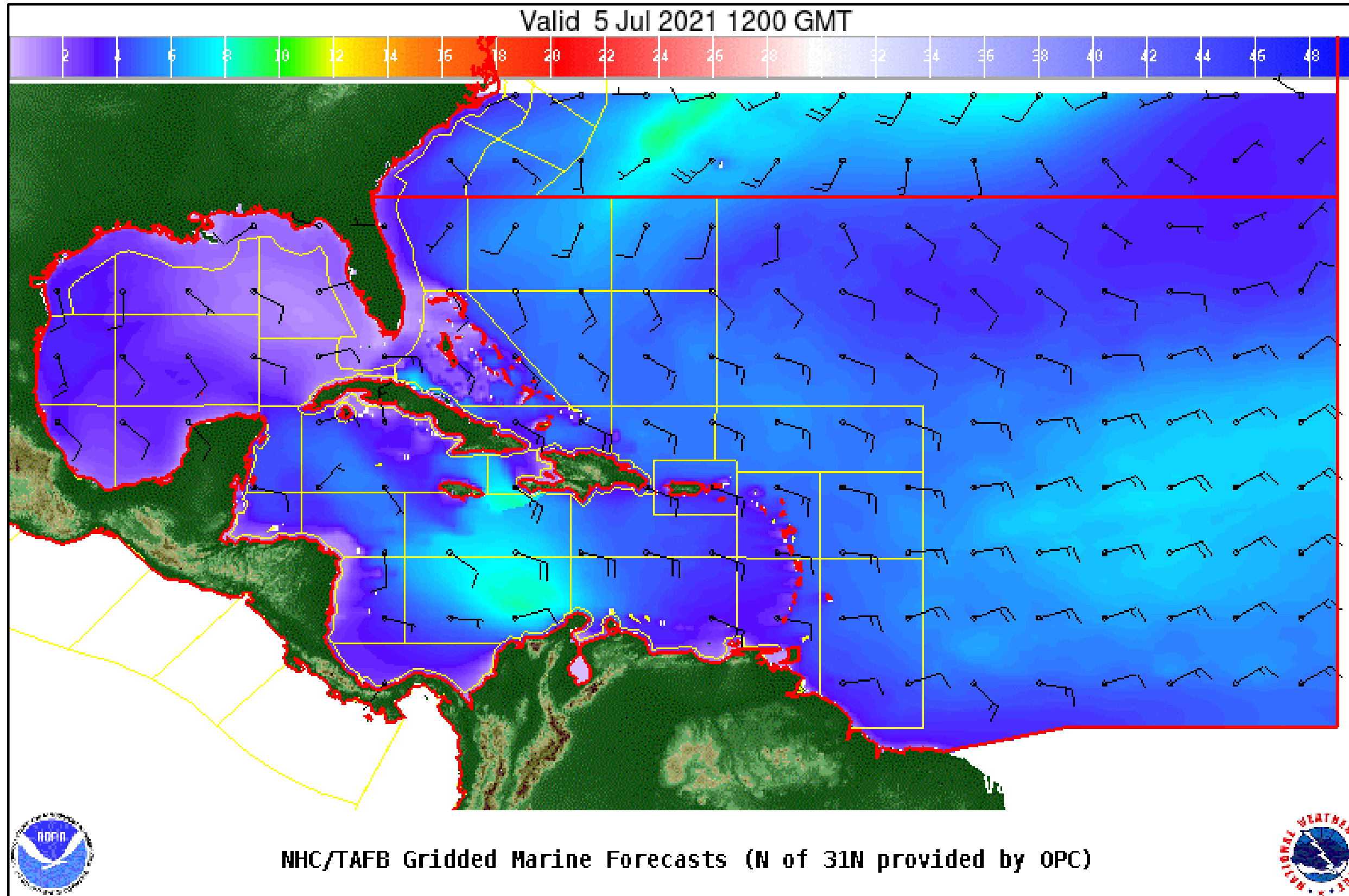


Wind And Waves

Tropical Storm Elsa



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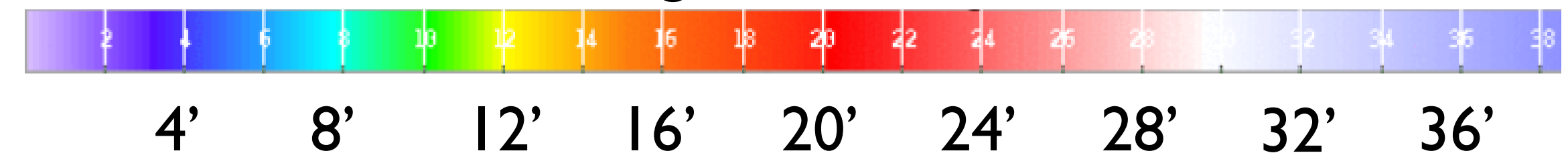
96 Hour Forecast

8am EDT, Monday, July 5th

Peak Winds: 50 kt

Peak Seas: 10 ft

■ Wave heights are in feet



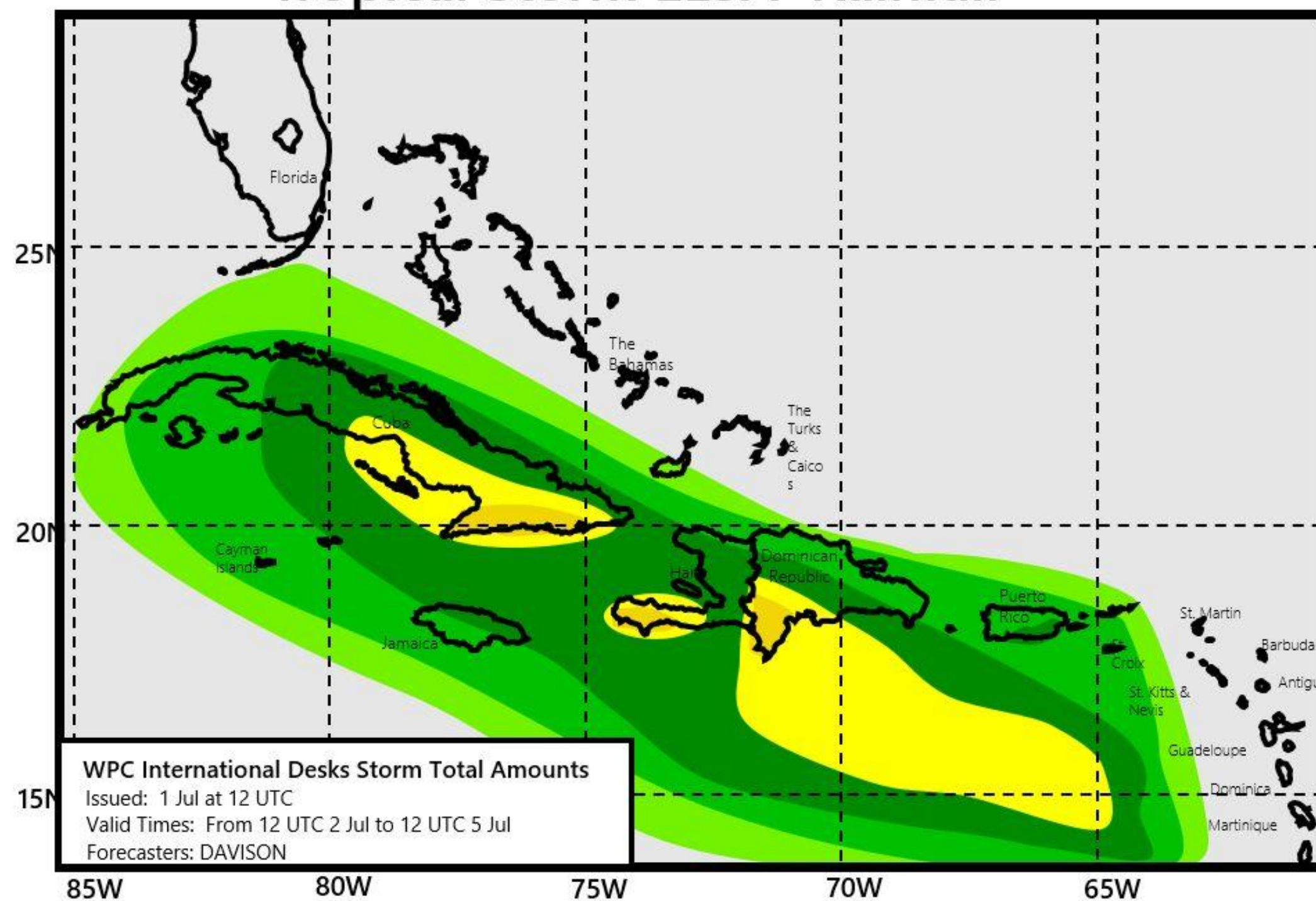
Expected Storm Total Rainfall



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NWS National Hurricane Center

Tropical Storm Elsa Image from NWS Weather Prediction Center

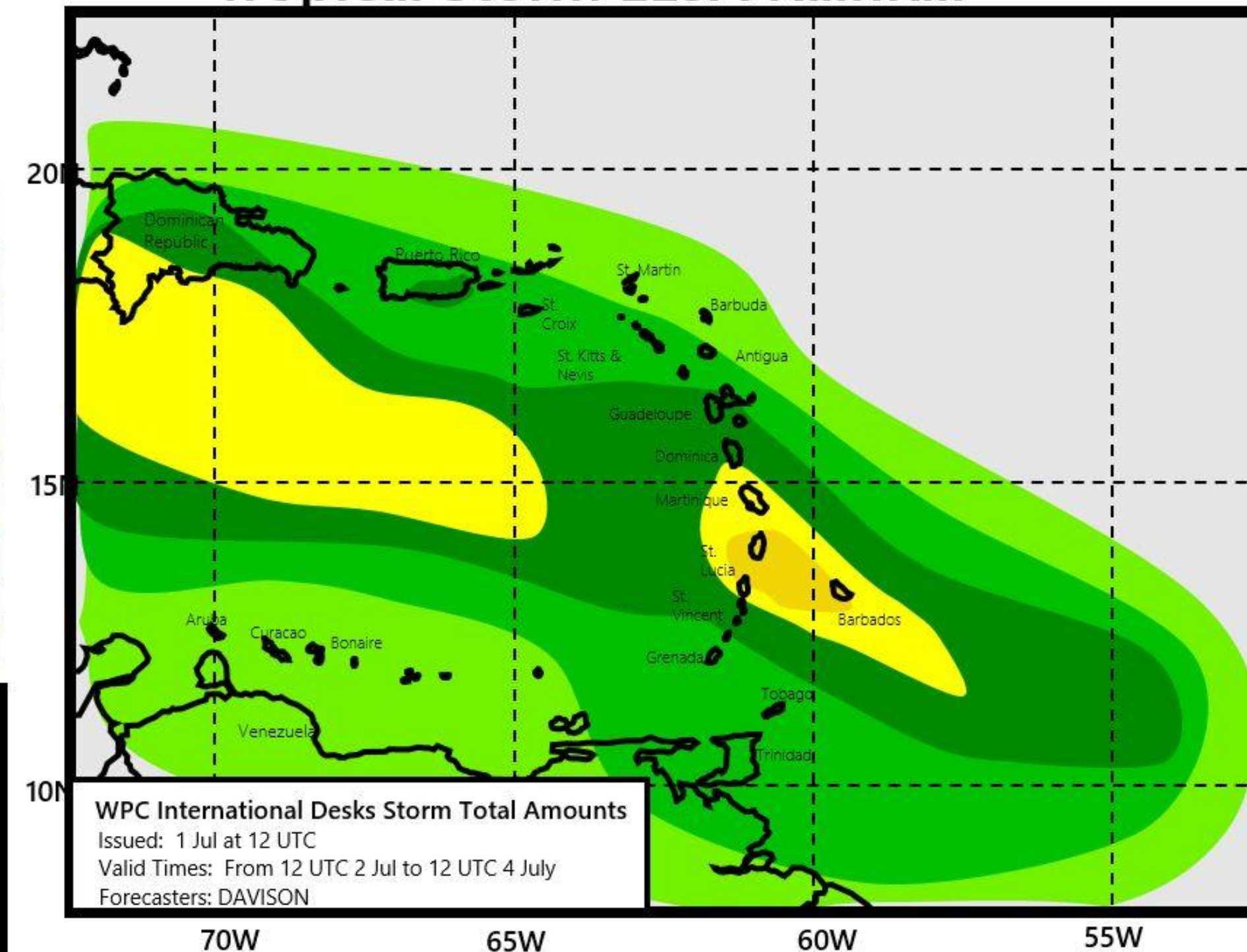
Tropical Storm ELSA Rainfall



| 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.

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
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- Total rainfall in inches through Monday

Key Messages

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Tropical Storm Elsa

Advisory 3: 5:00 AM AST Thu Jul 01, 2021



1. Tropical storm conditions are expected beginning early Friday in portions of the Windward and southern Leeward Islands.

2. Heavy rainfall from the system will move quickly across the Windward and southern Leeward Islands, including Barbados, on Friday. Isolated flash flooding and mudslides are possible.

3. There is a risk of wind and rainfall impacts in portions of the Virgin Islands, Puerto Rico, Hispaniola, Cuba, the Turks and Caicos and the southeastern Bahamas through early next week. Interests in these areas should monitor the system's progress and updates to the forecast.

4. Interests in Florida should monitor updates to the forecast for this system, but it is too soon to determine what if any impacts could occur there next week given the uncertainty in the long-range forecast.



For more information go to hurricanes.gov

- **Marine Key Messages:**
- Seas to build to 18 ft by Friday before reaching the Leeward Islands
- Seas reset in Caribbean, reaching 18 ft again by Saturday near Mona Passage

IMPACTS FOR D7 (through next 5 days)

Winds – **Low**

Storm Surge – **Low**

Rainfall/Flash Flooding – **Moderate**

Tornadoes – **None**

Waves - **Moderate**



TROPICAL STORM ELSA BRIEFING

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

*The Next Briefing Will Be:
Friday 8:00 AM EDT*

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



NHC_TAFB

www.nhc.noaa.gov