

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Moderate

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*

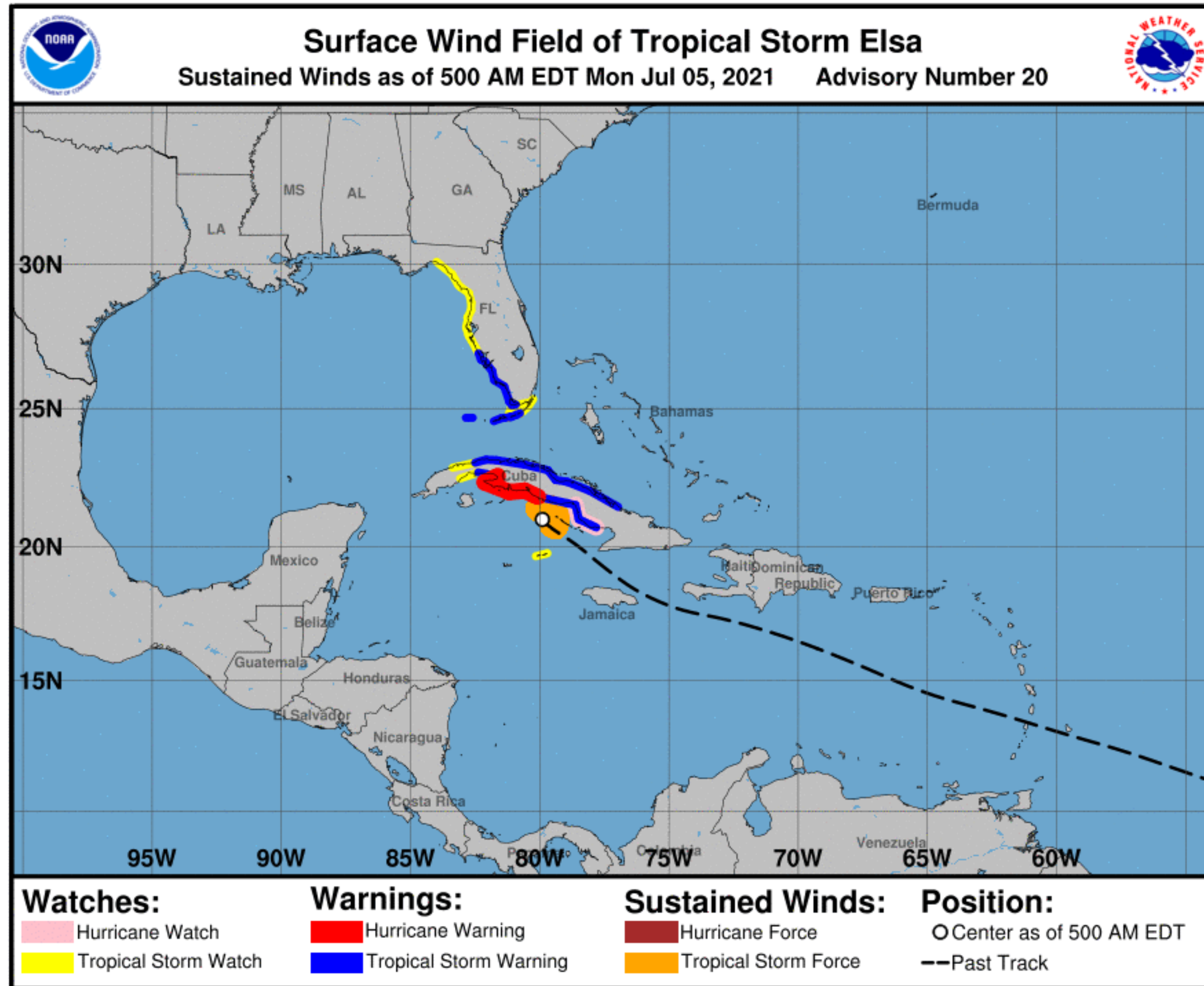


Situation Overview

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa Moving NW Along S Central Coast of Cuba...

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

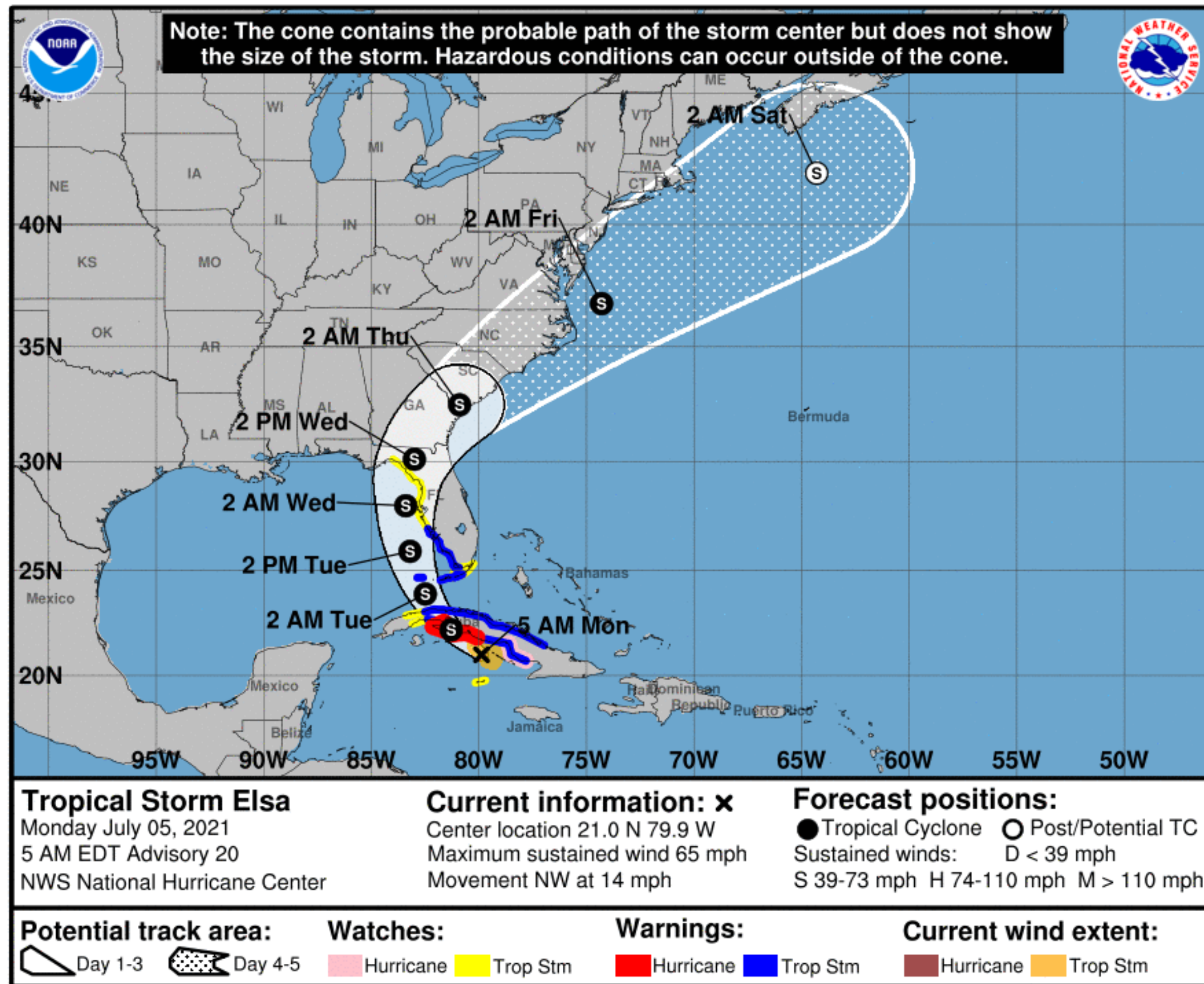
Location... 21.4N 80.7W
About 48 nm...ESE of Cayo Largo Cuba
About 145 nm...SE of La Havana Cuba
Maximum Sustained Winds...55 kt
Present Movement...305 degrees at 12 kt
Minimum Central Pressure...1006 mb

Forecast Information

Tropical Storm Elsa



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NWS National Hurricane Center



- Elsa is moving NW along S central coast of Cuba and expected to cross Cuba today and emerge across the Straits of Florida this evening and early tonight.
- Tropical storm conditions, and large seas expected to move across the Straits and enter Lower Florida Keys waters beginning early tonight and then into extreme SE Gulf of Mexico waters late Monday night through Tuesday morning.
- 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.

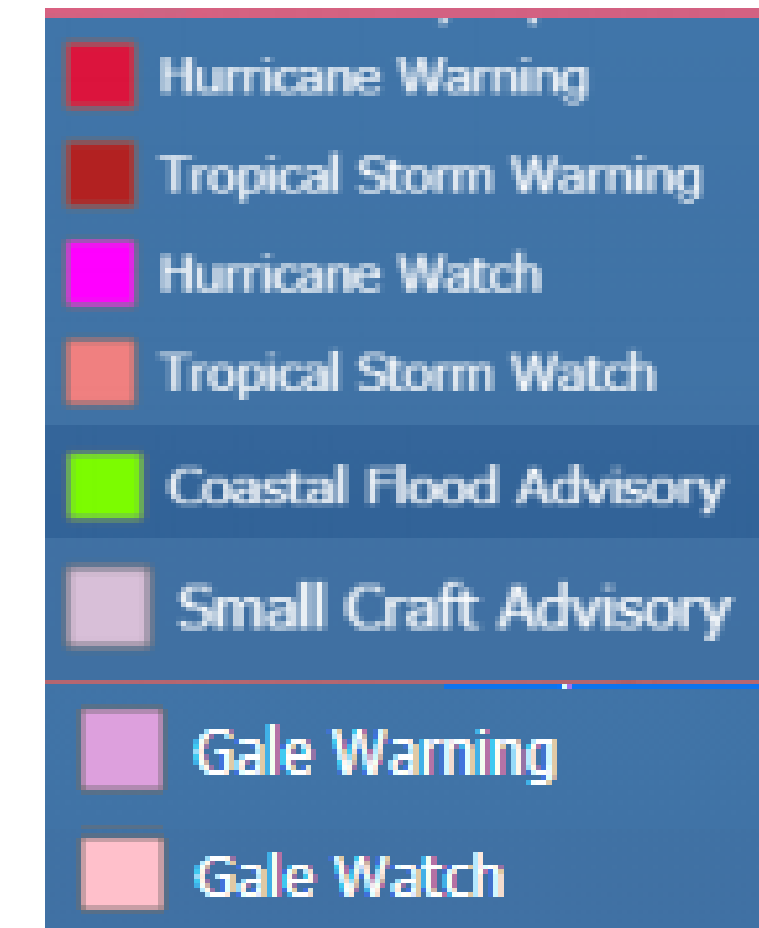
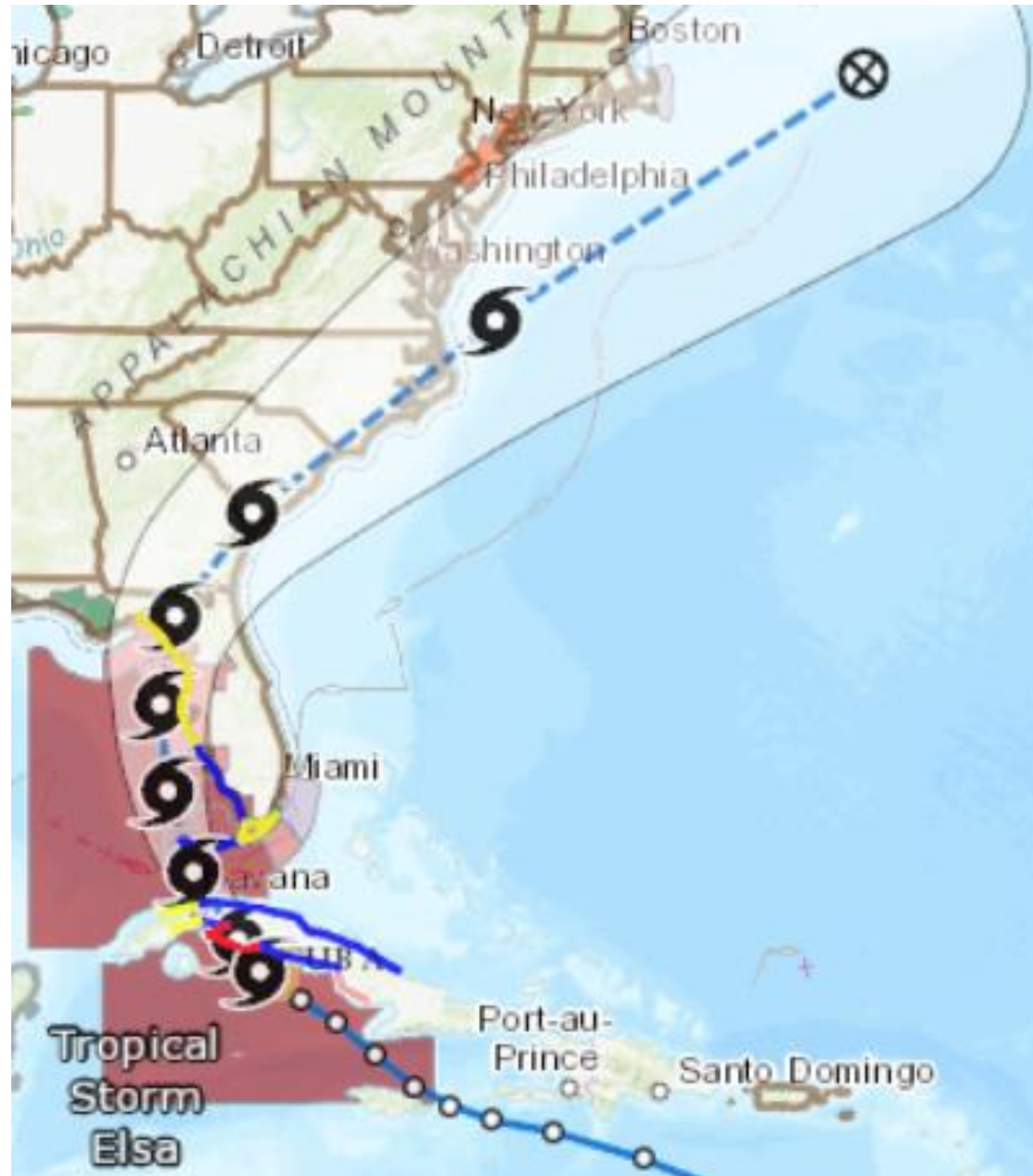
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Hazards Map

Tropical Storm Elsa



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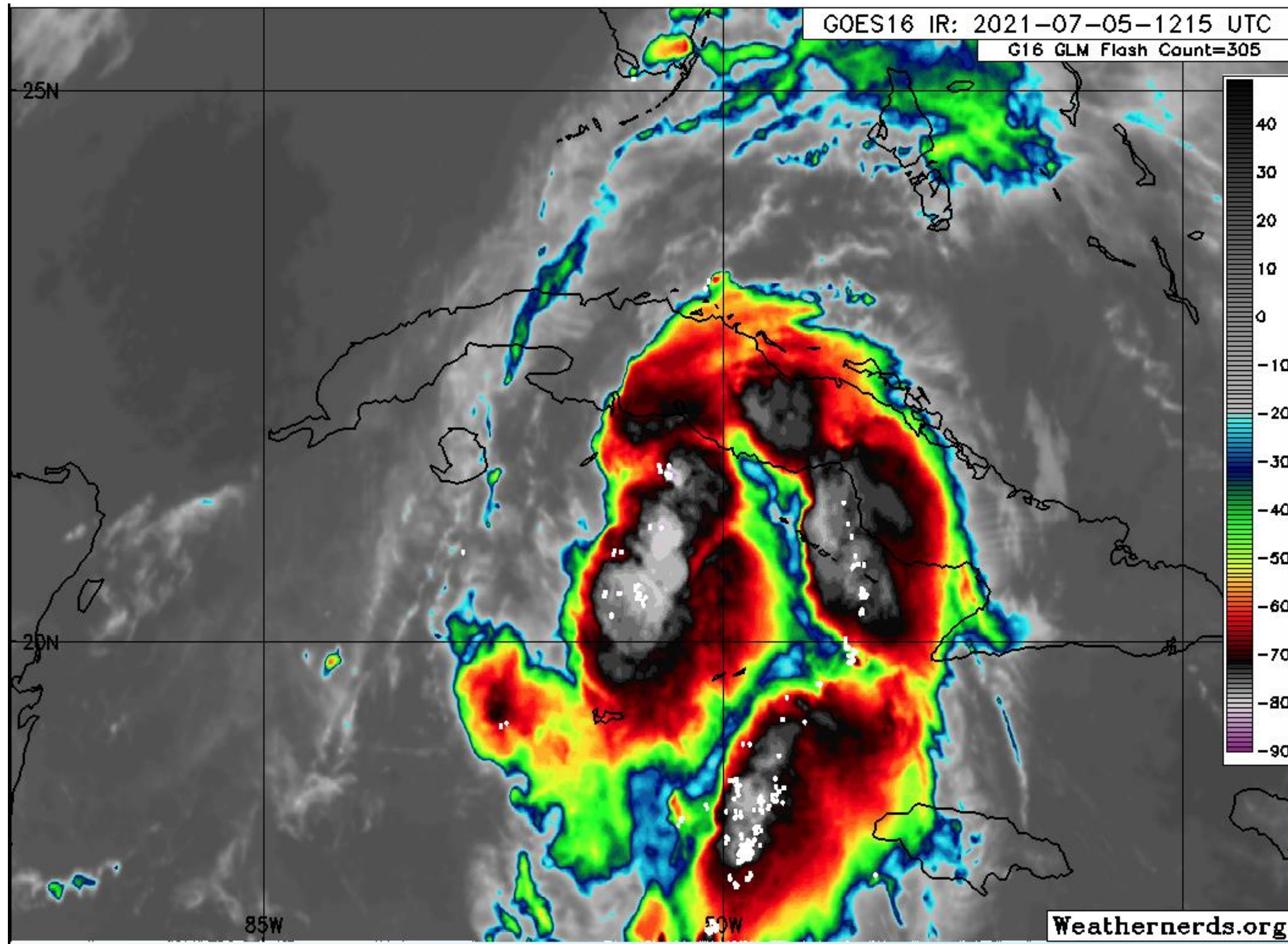
■ <https://nowcoast.noaa.gov/>

Current Satellite View

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa moving NW along S central coast of Cuba...

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

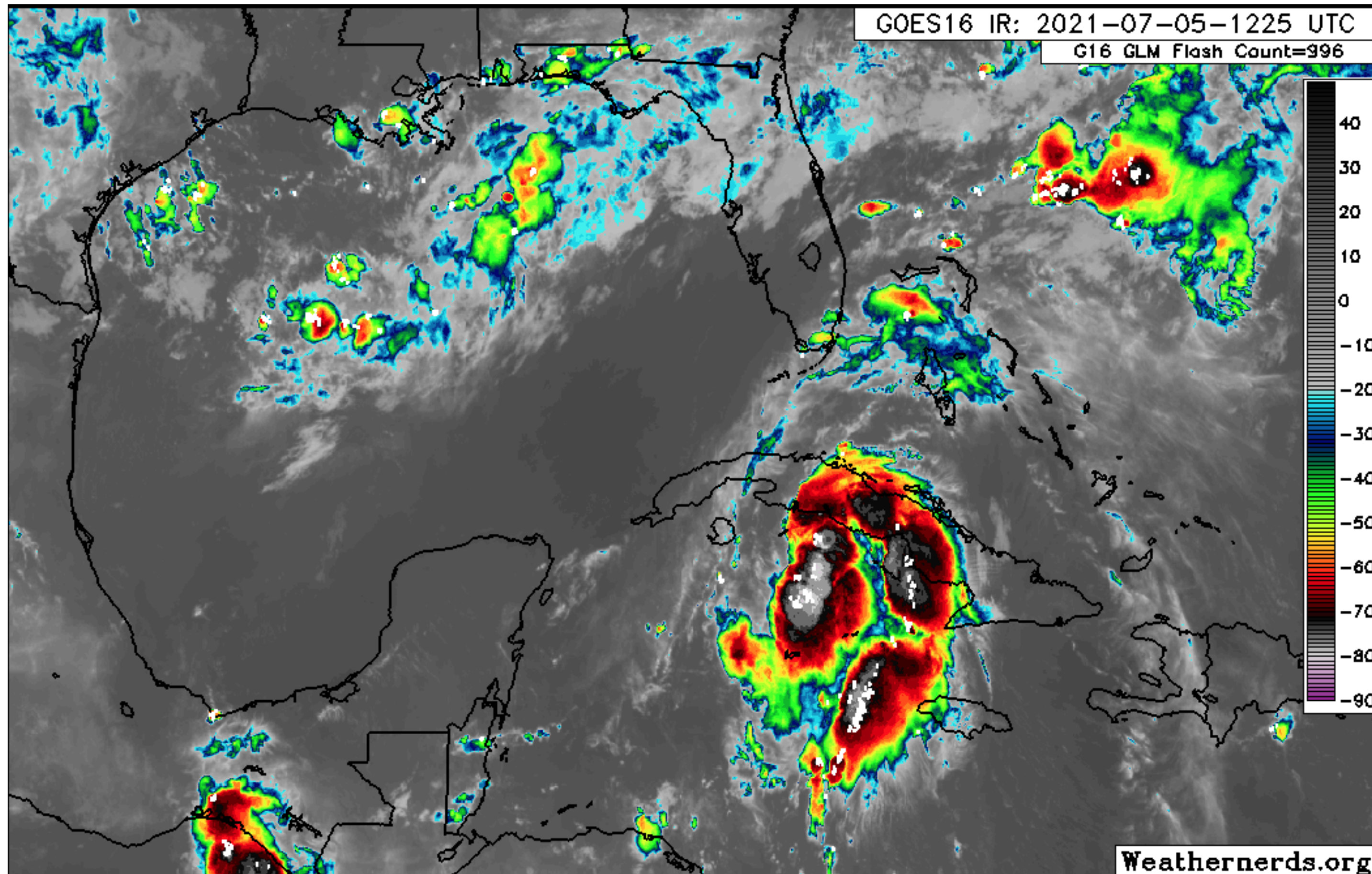
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About 145 nm... SE of La Havana Cuba
Maximum Sustained Winds... 55 kt
Present Movement... 305 degrees at 12 kt
Minimum Central Pressure... 1006 mb

Current Satellite View

Tropical Storm Elsa



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...Elsa moving NW along S central coast of Cuba...

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

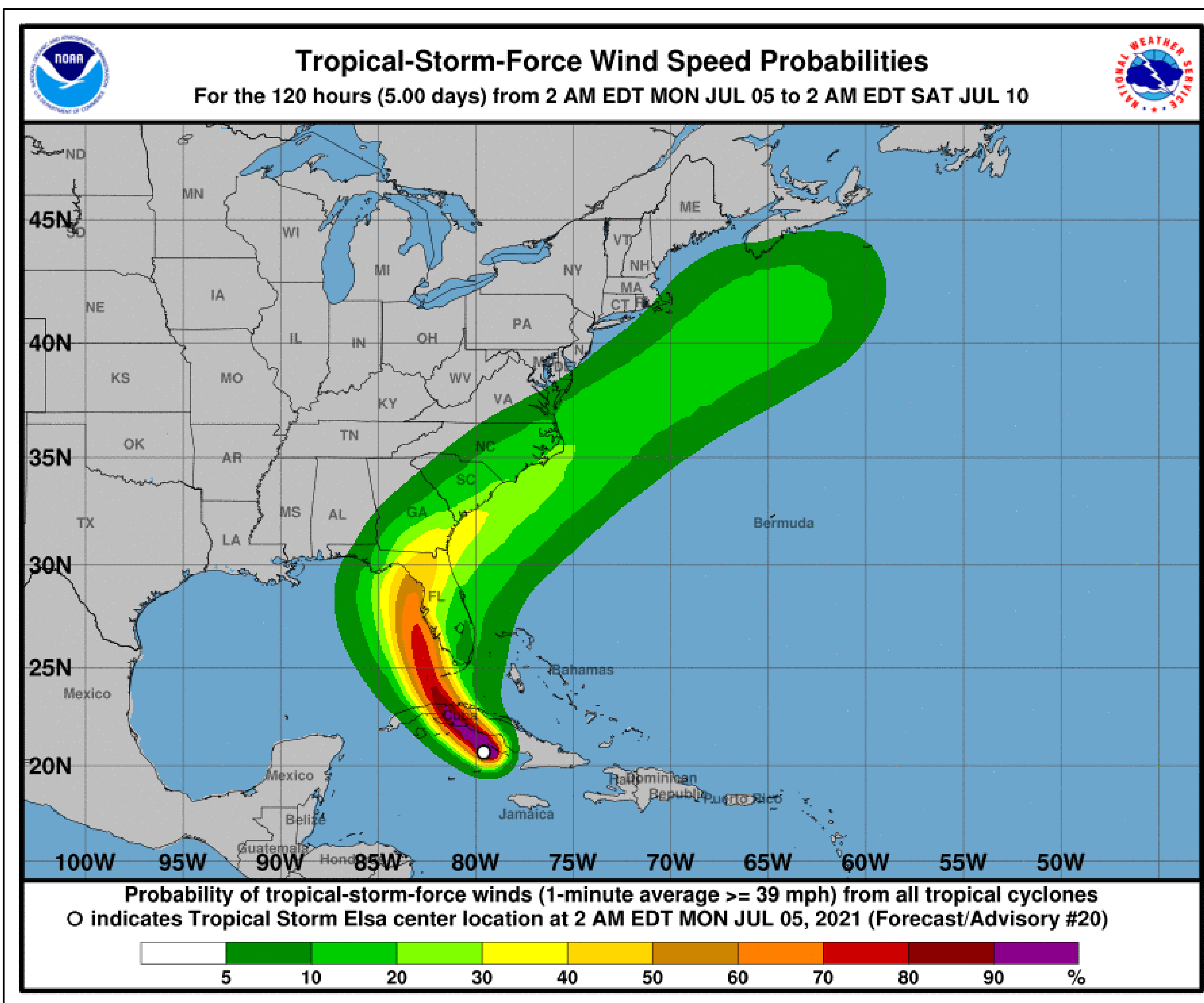
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About 48 nm... ESE of Cayo Largo Cuba
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T.S. Wind Speed Probabilities

Tropical Storm Elsa



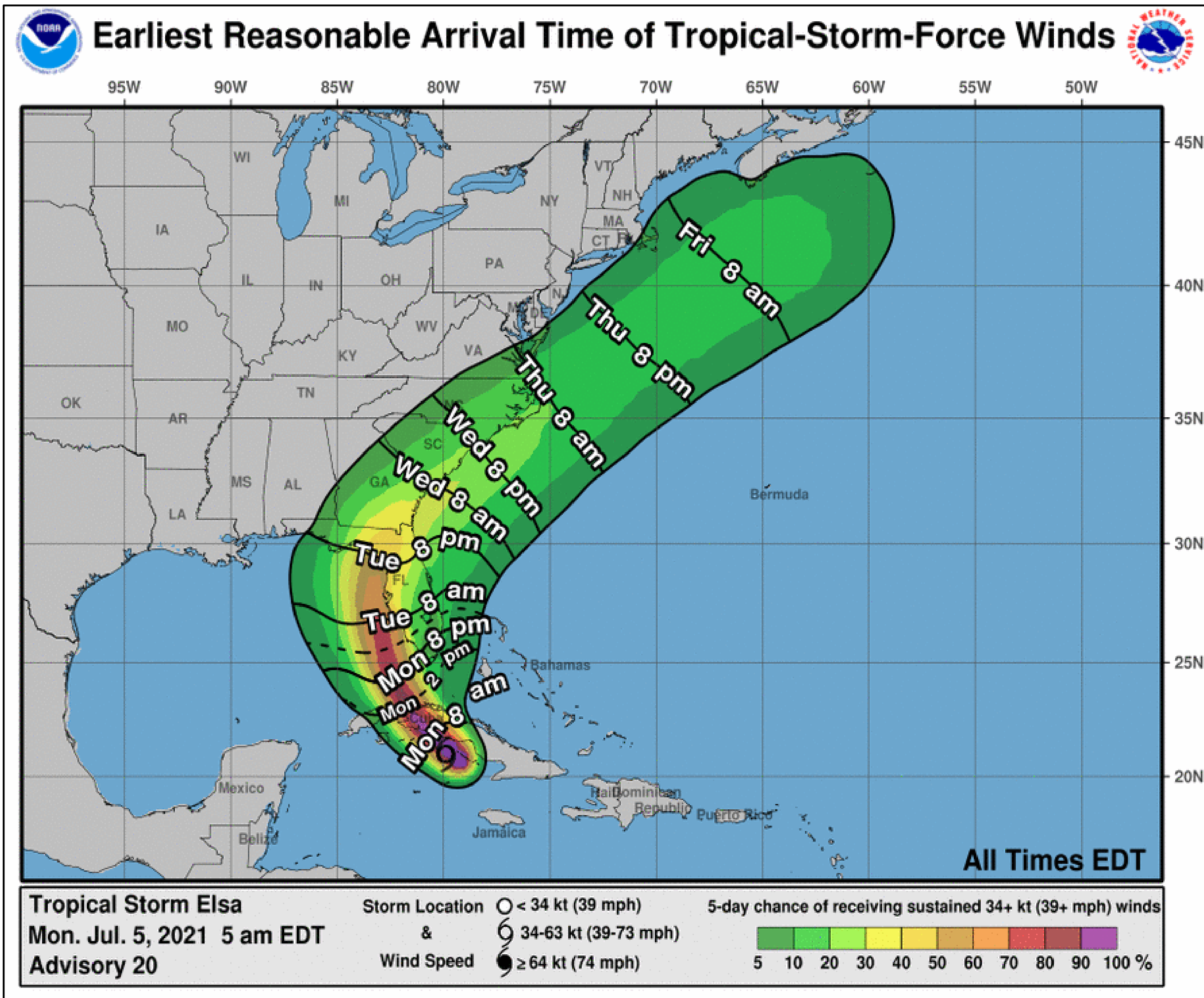
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- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are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



Tropical Storm Elsa



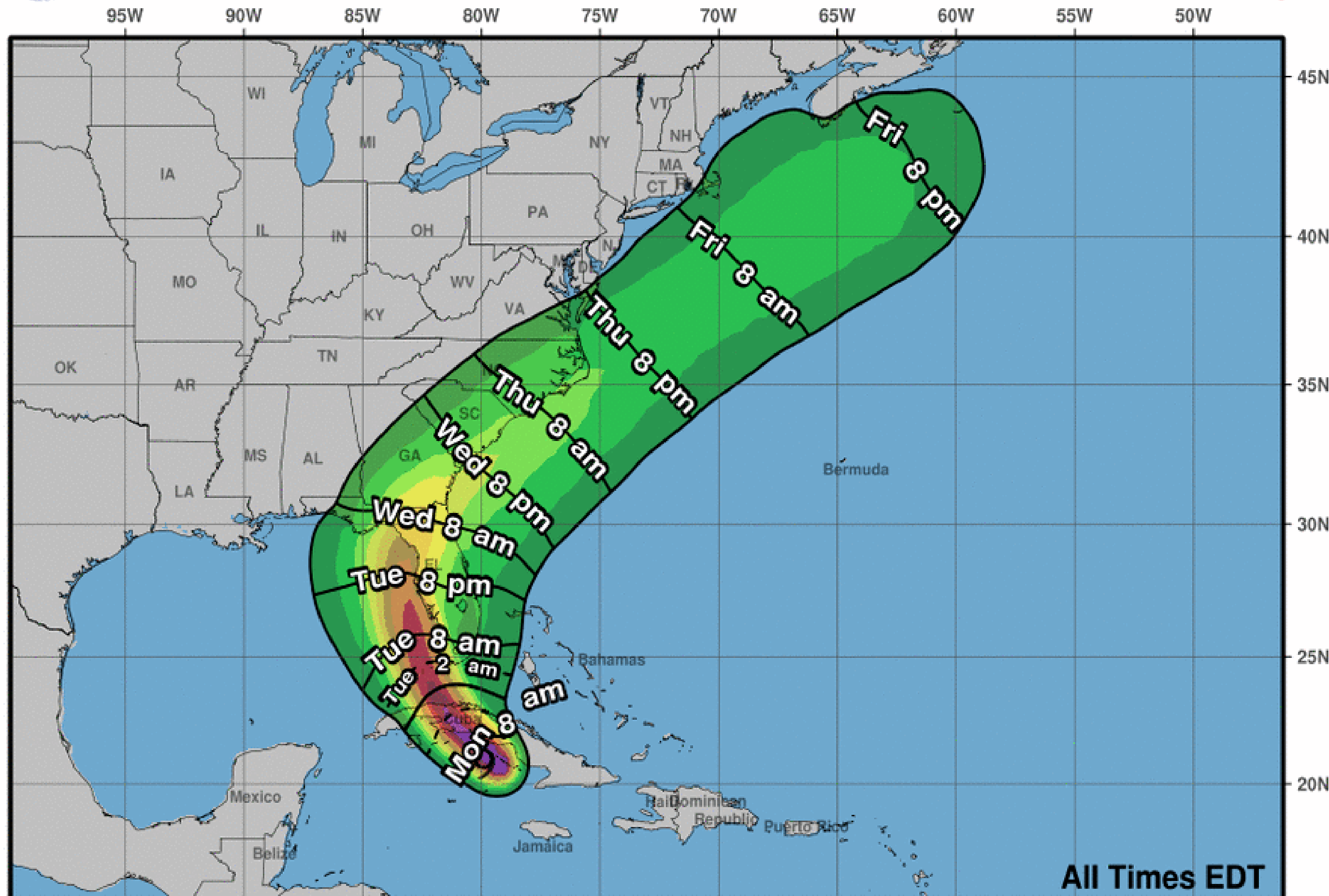
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Earliest reasonable time of arrival for TS winds across Key West area is Monday afternoon
- Earliest reasonable time of arrival for TS winds across Tampa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



Tropical Storm Elsa



Most Likely Arrival Time of Tropical-Storm-Force Winds



Tropical Storm Elsa
Mon. Jul. 5, 2021 5 am EDT
Advisory 20

Storm Location & Wind Speed

- < 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 %

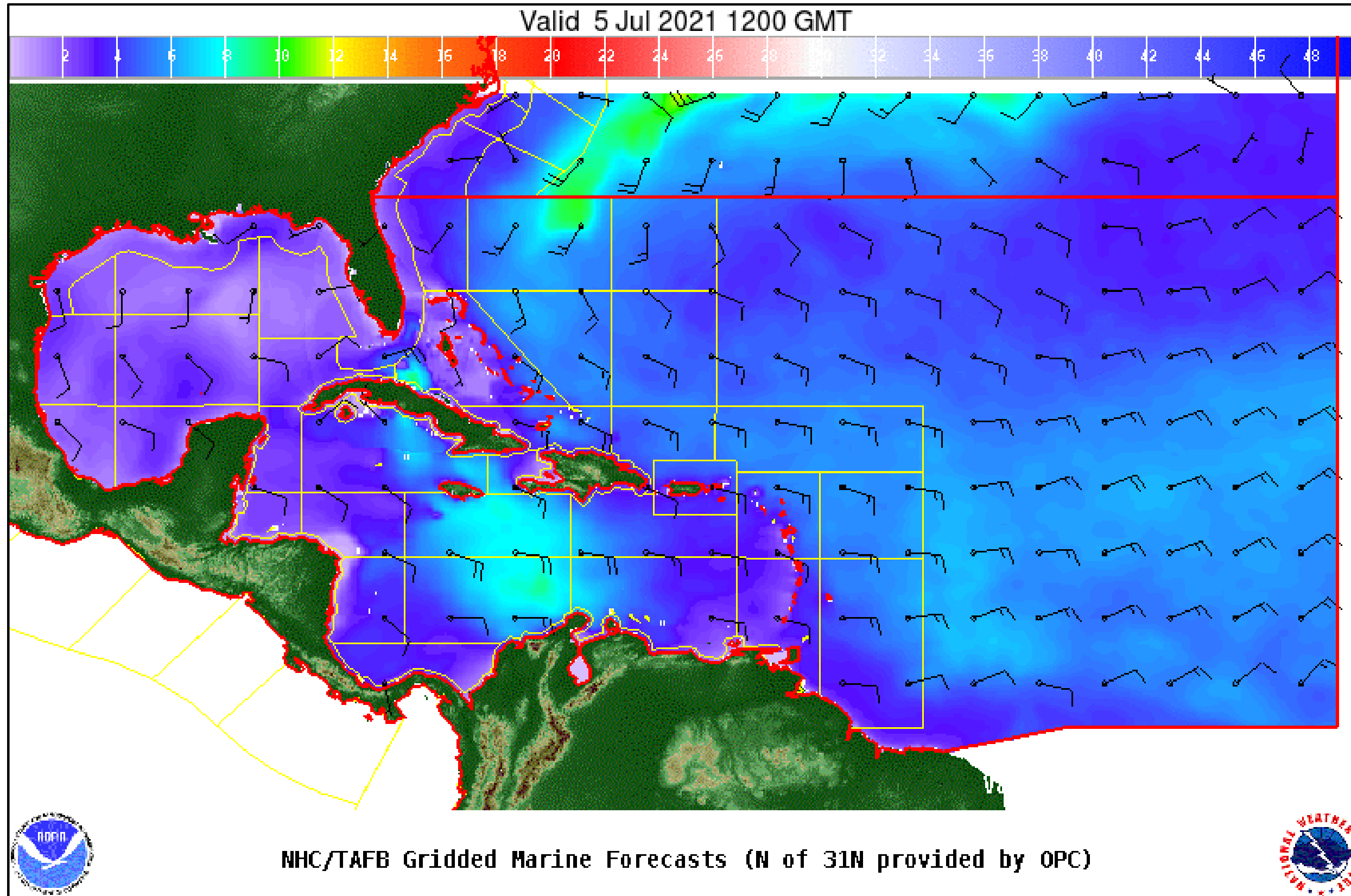
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- The most likely time of arrival for TS winds across Key West area is Tue night prior to midnight
- The most likely time of arrival for TS winds across Tampa Bay/St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

Wind And Waves

Tropical Storm Elsa

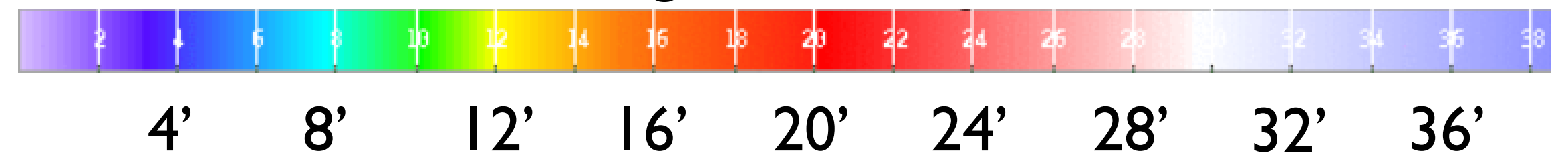


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12 Hour Forecast
5 Jul 1200 UTC or 8 am
Peak Winds: 55 kt
Peak Seas: 15 ft

■ Wave heights are in feet

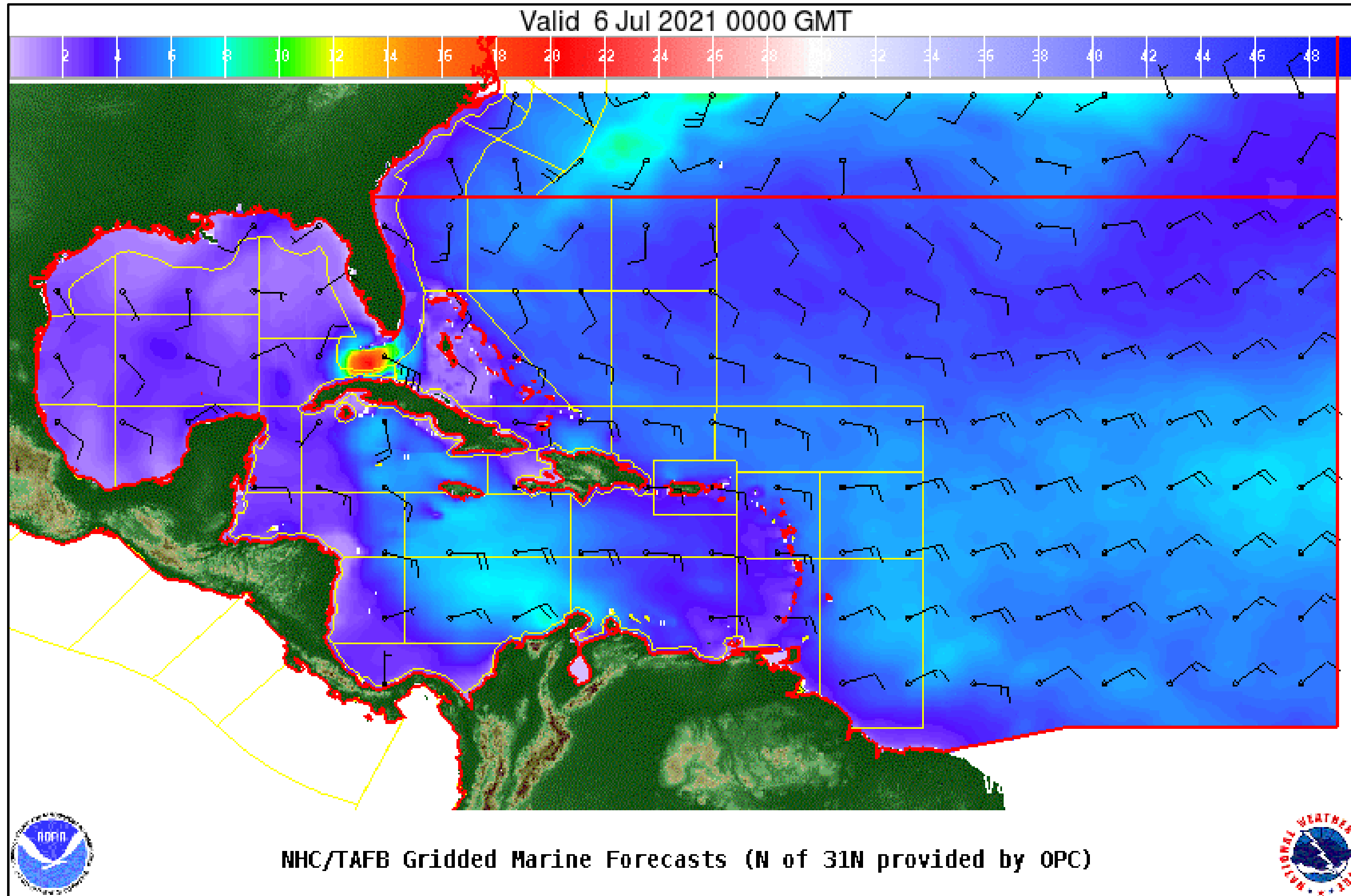


Wind And Waves

Tropical Storm Elsa



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NWS National Hurricane Center



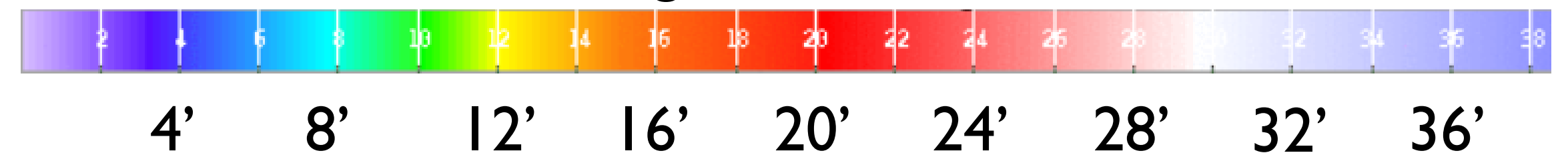
24 Hour Forecast

6 Jul 0000 UTC or 8 pm

Peak Winds: 50 kt

Peak Seas: 21 ft Straits of Florida, 8 ft S of Cuba

■ Wave heights are in feet

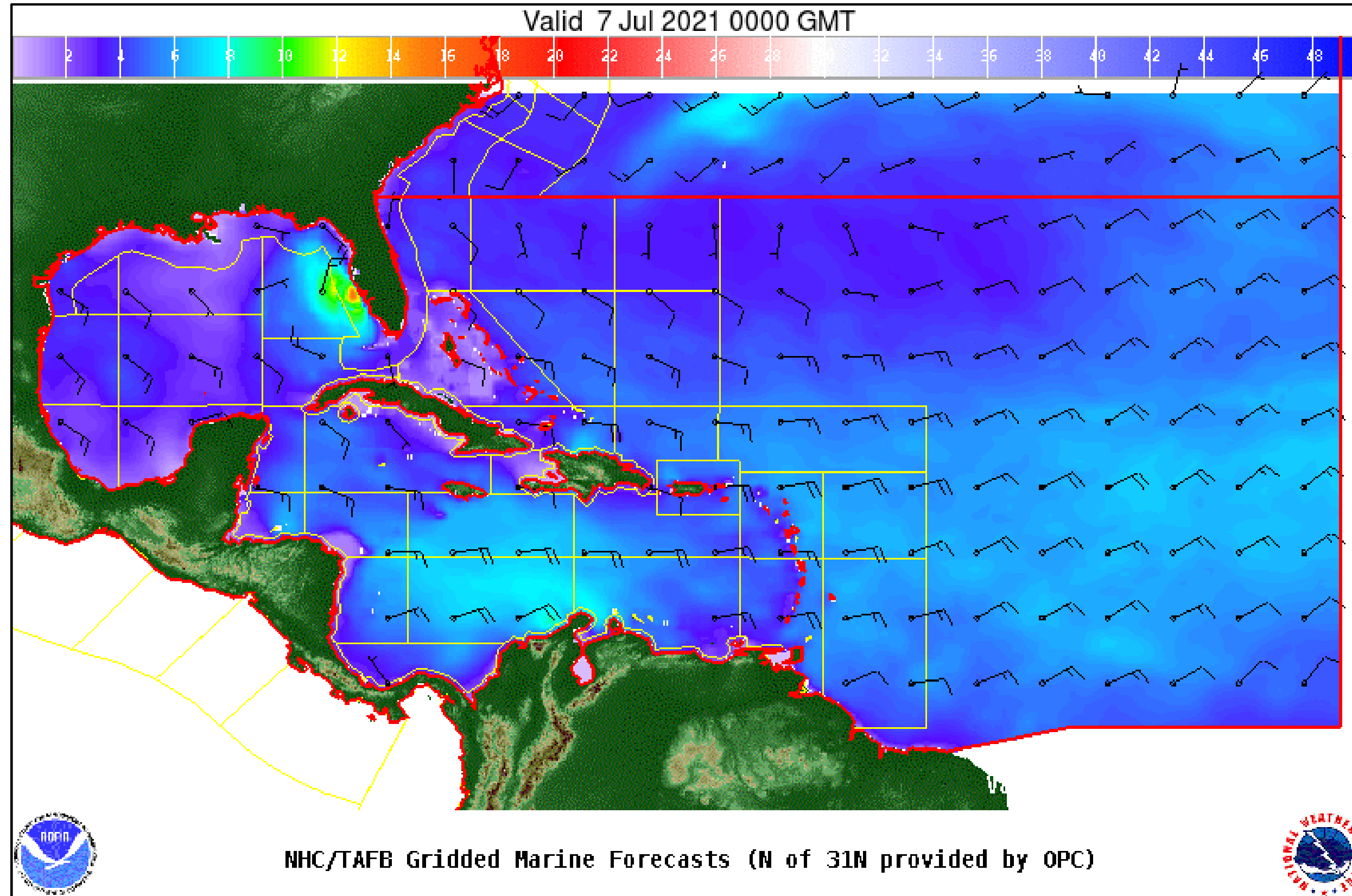


Wind And Waves

Tropical Storm Elsa



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NWS National Hurricane Center



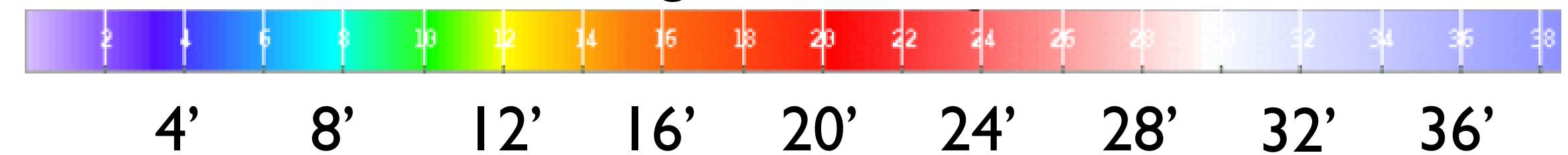
48 Hour Forecast

7 Jul 0000 UTC of 8 pm

Peak Winds: 55 kt

Peak Seas: 16 ft

■ Wave heights are in feet

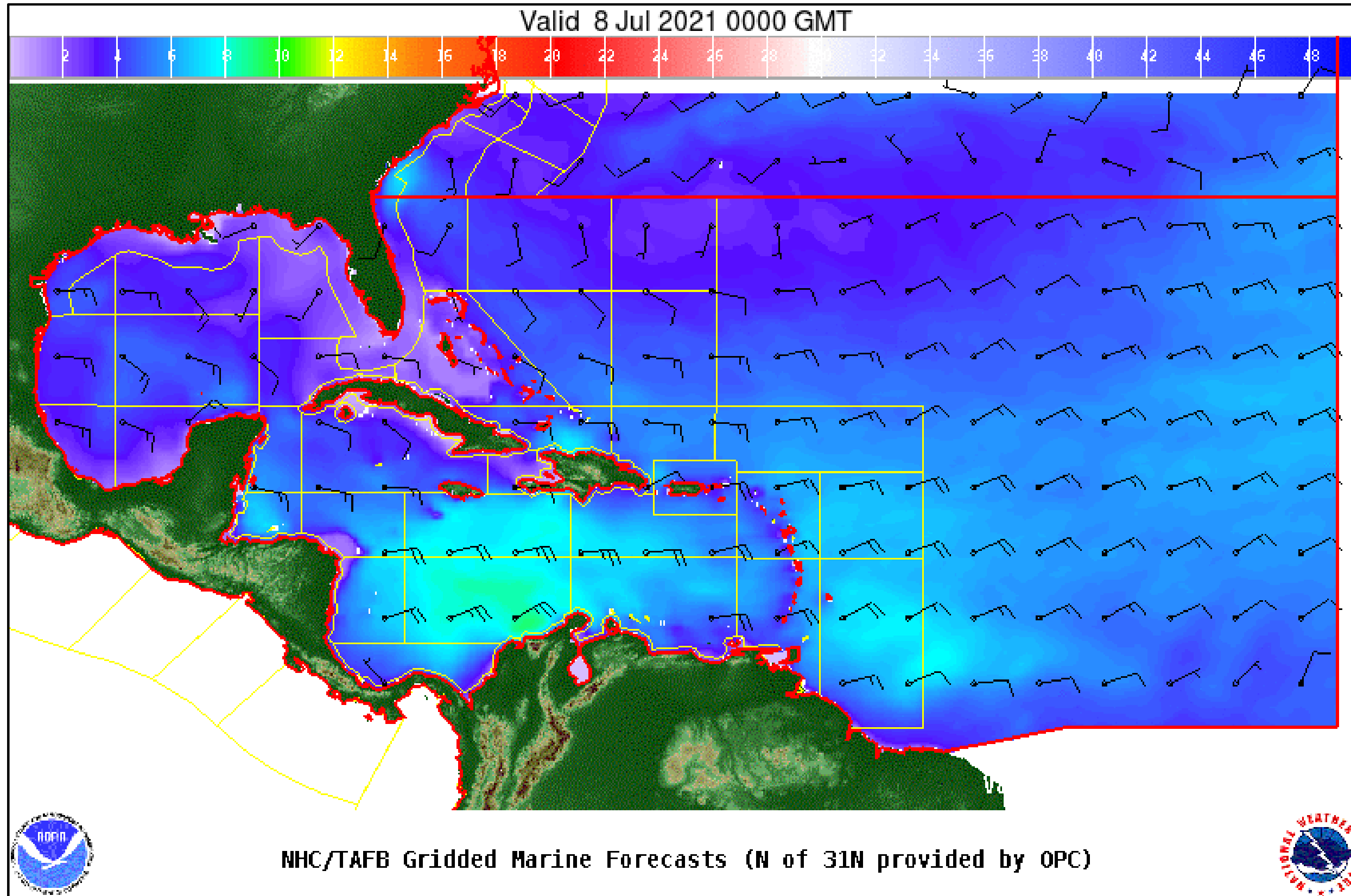


Wind And Waves

Tropical Storm Elsa

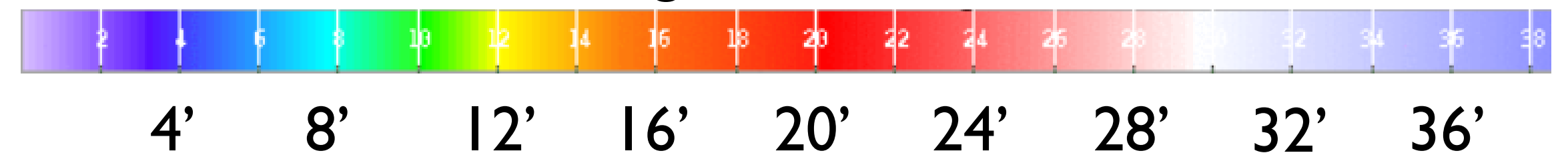


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



72 Hour Forecast
8 Jul 0000 UTC of 8 pm
Inland just N of JAX
Peak Winds: 40 kt
Peak Seas: 4 ft Florida Big Bend

■ Wave heights are in feet

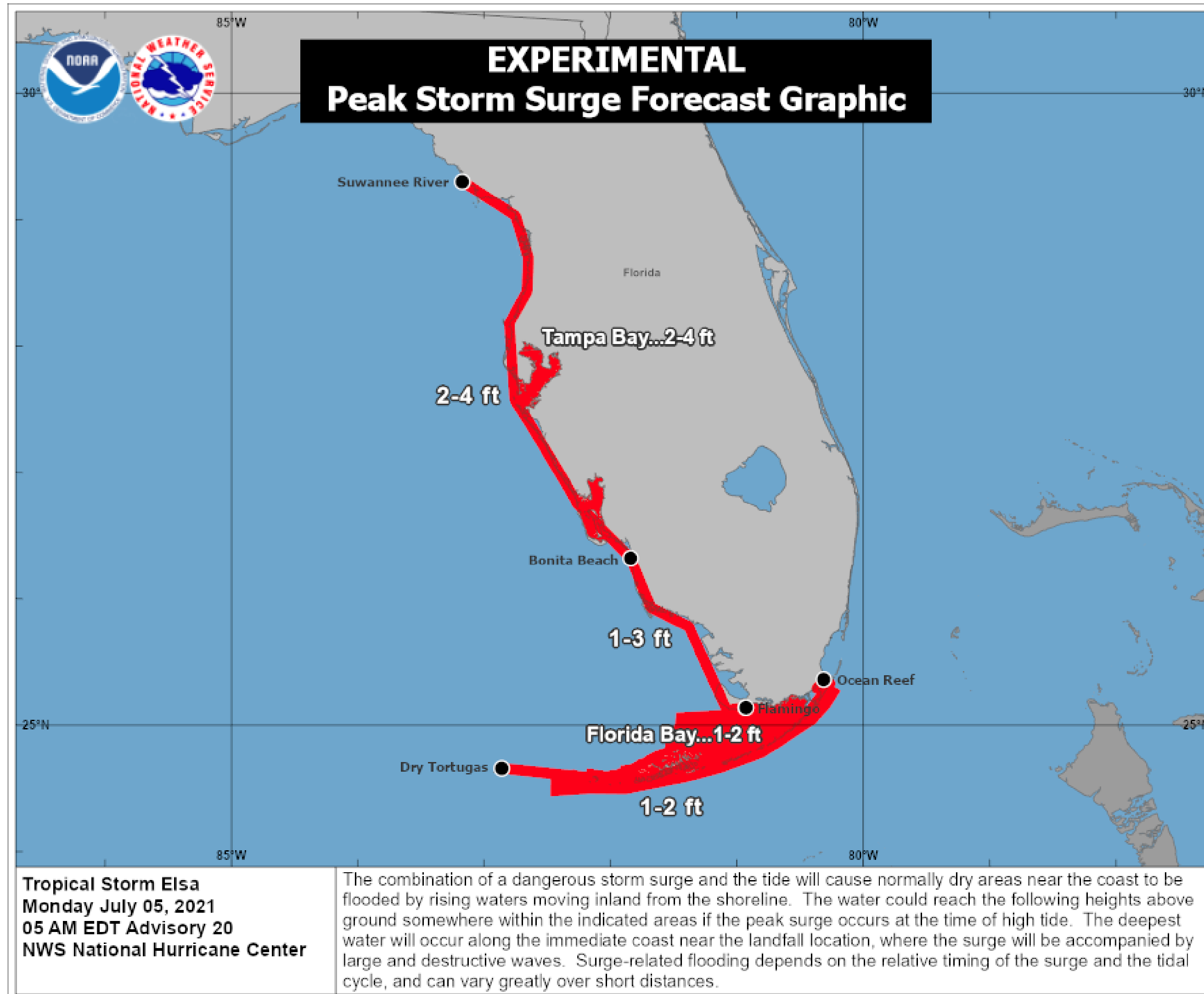


Potential Peak Storm Surge / Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Elsa



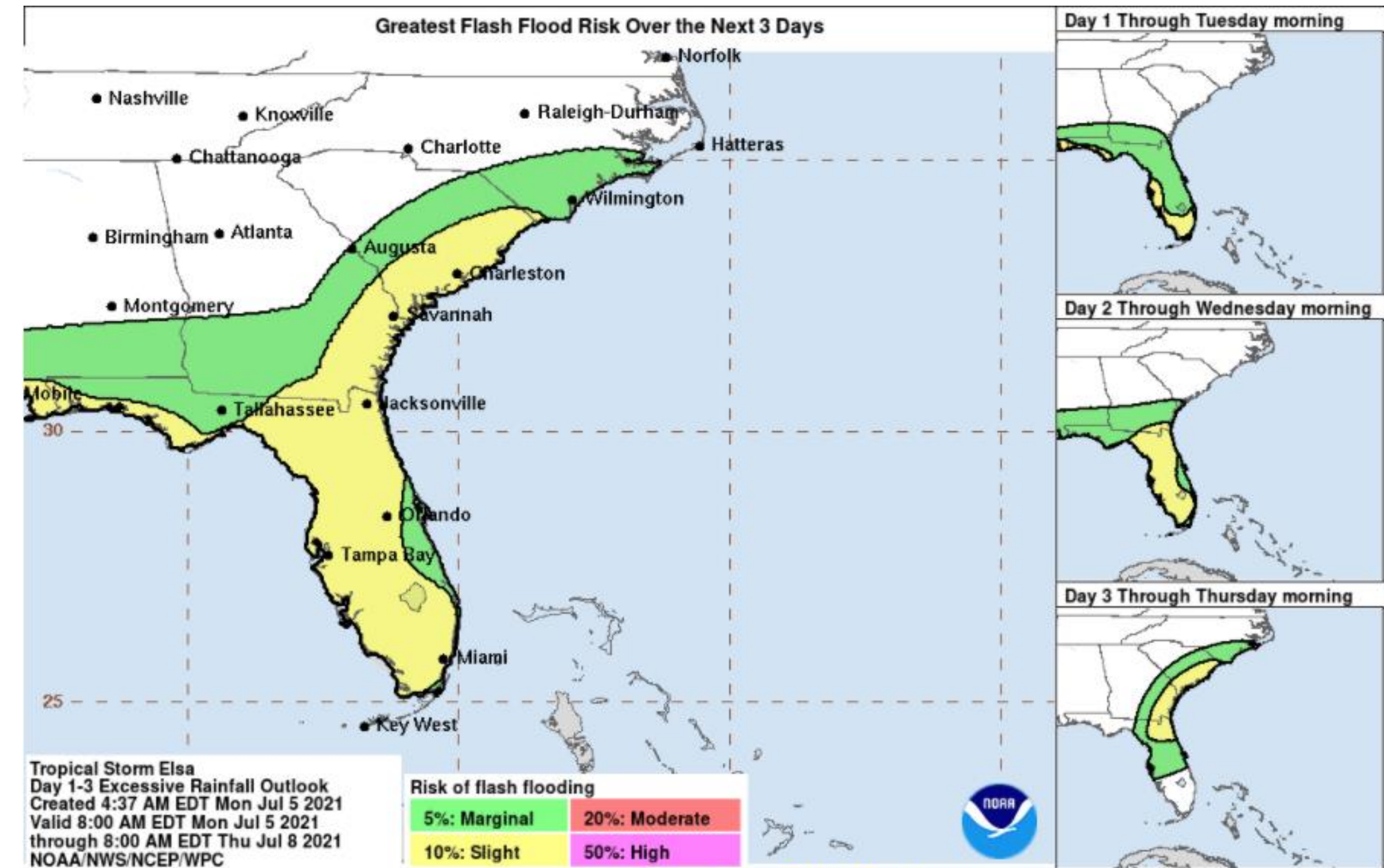
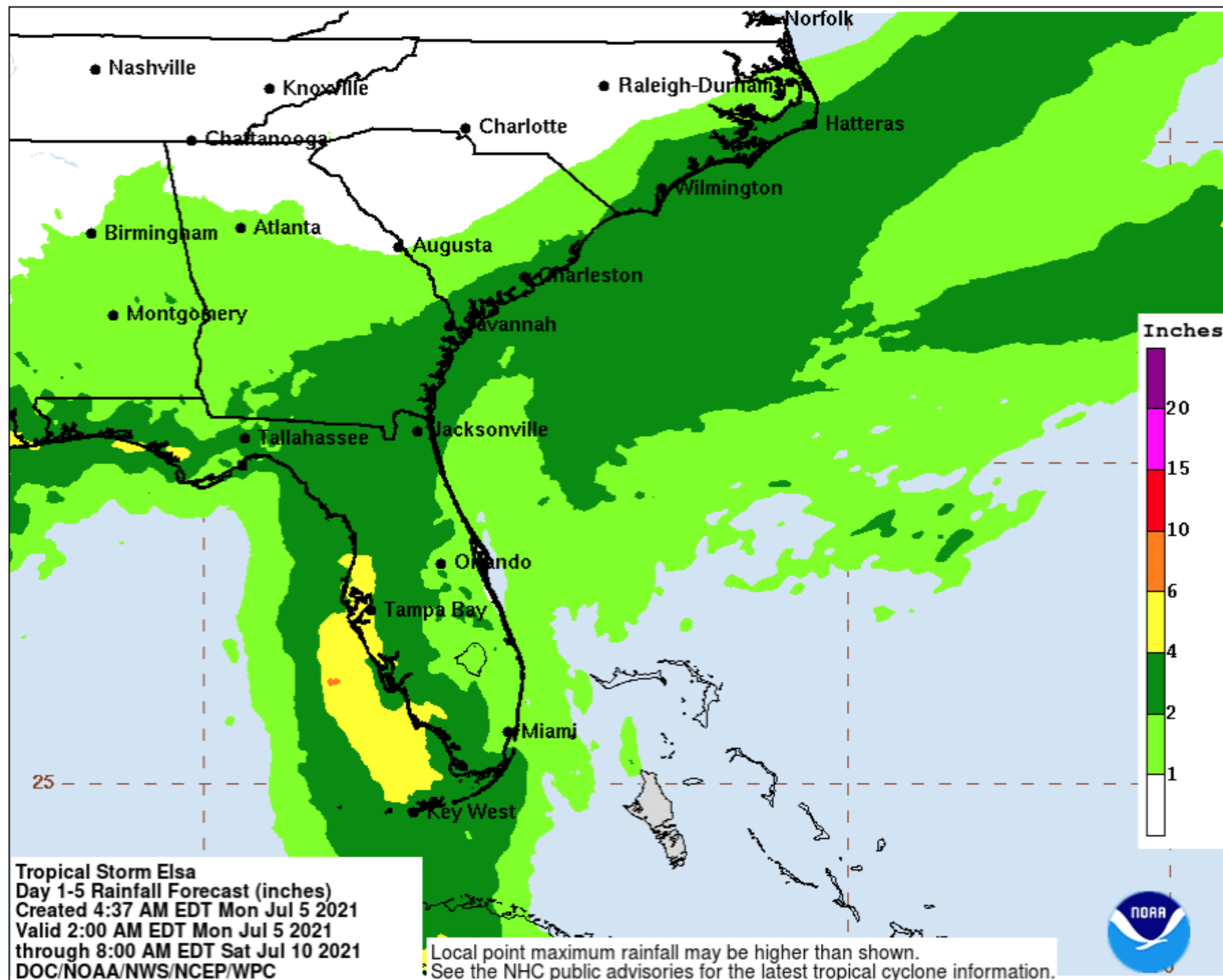
- Potential storm surge is represented in feet above the ground at any given point.

Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Elsa



- Total rainfall in inches through 10 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 20: 5:00 AM EDT Mon Jul 05, 2021

1. Heavy rain will impact the Cayman Islands and Cuba today resulting in significant flooding and mudslides over Cuba. As Elsa approaches the Florida Keys, Florida Peninsula, and coastal Georgia Monday through Wednesday, heavy rainfall may result in isolated flash, urban, and minor river flooding. Mid to late week, heavy rains across coastal South Carolina and North Carolina may result in isolated flash and urban flooding.
2. Tropical storm conditions and a dangerous storm surge are expected to continue across portions of central and western Cuba today. Hurricane conditions are also possible along the south coast this morning.
3. Tropical storm conditions are expected in portions of the Florida Keys and southwestern Florida tonight and Tuesday, where a Tropical Storm Warning is in effect. A Tropical Storm Watch and a Storm Surge Watch are in effect for much of the west coast of Florida.
4. There is a risk of tropical storm conditions and storm surge impacts along the coasts of Georgia and the Carolinas Wednesday and Thursday.

For more information go to hurricanes.gov

Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

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

Current information: x
Center location 21.0 N 79.9 W
Maximum sustained wind 65 mph
Movement NW at 14 mph

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

Most Likely Arrival Time of Tropical-Storm-Force Winds

Tropical Storm Elsa
Mon. Jul. 5, 2021 5 am EDT
Advisory 20

Storm Location: ○ = 34 kt (39 mph) 5-day chance of receiving sustained 34+ kt (39+ mph) winds
● = 34-63 kt (39-73 mph)
● = 64 kt (74 mph)

Wind Speed: 5 10 20 30 40 50 60 70 80 90 100 %

- Tropical Storm conditions and heavy rainfall expected across Cuba today and will spread across the Straits of Florida and into extreme south Florida waters today through this evening.
- Tropical Storm winds will move into Straits of Florida early this afternoon with seas quickly building to around 20 ft again this evening through tonight as Elsa passes across Lower Florida Keys.
- Elsa expected to approach Tampa Bay/ St Petersburg area late Tuesday afternoon with moderate storm surge potential inside the bay.

7/5/2021 8:42 AM

www.nhc.noaa.gov



TROPICAL STORM ELSA BRIEFING

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

*The Next Briefing Will Be:
Monday 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