

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Moderate

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - Moderate

TROPICAL STORM ELSA BRIEFING



8:15 AM EDT
Tuesday July 6, 2021

Prepared by:

Scott Stripling

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

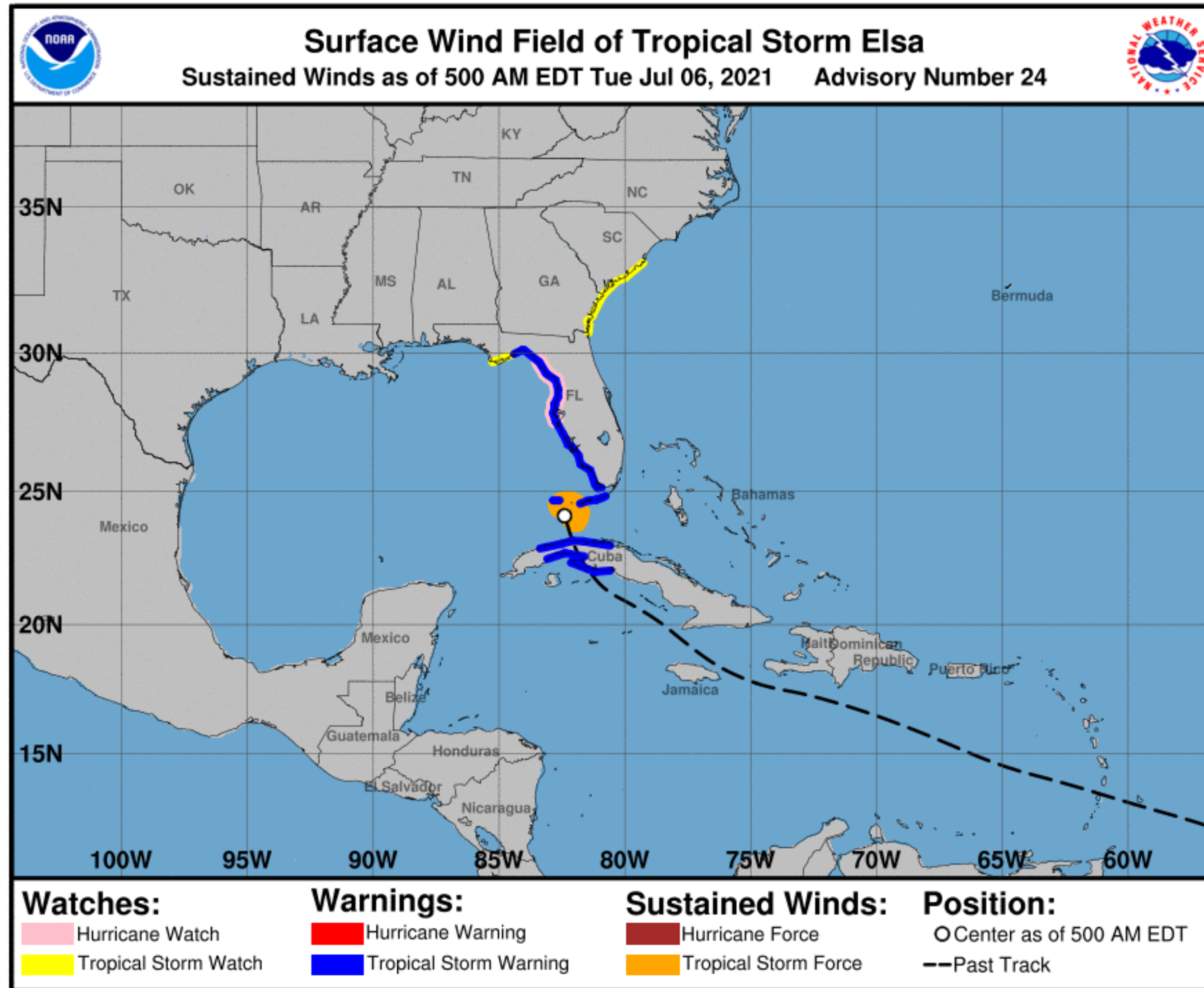


Situation Overview

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa Moving across the Lower Florida Keys...

Summary of 500 AM EDT...0900 UTC...
Information

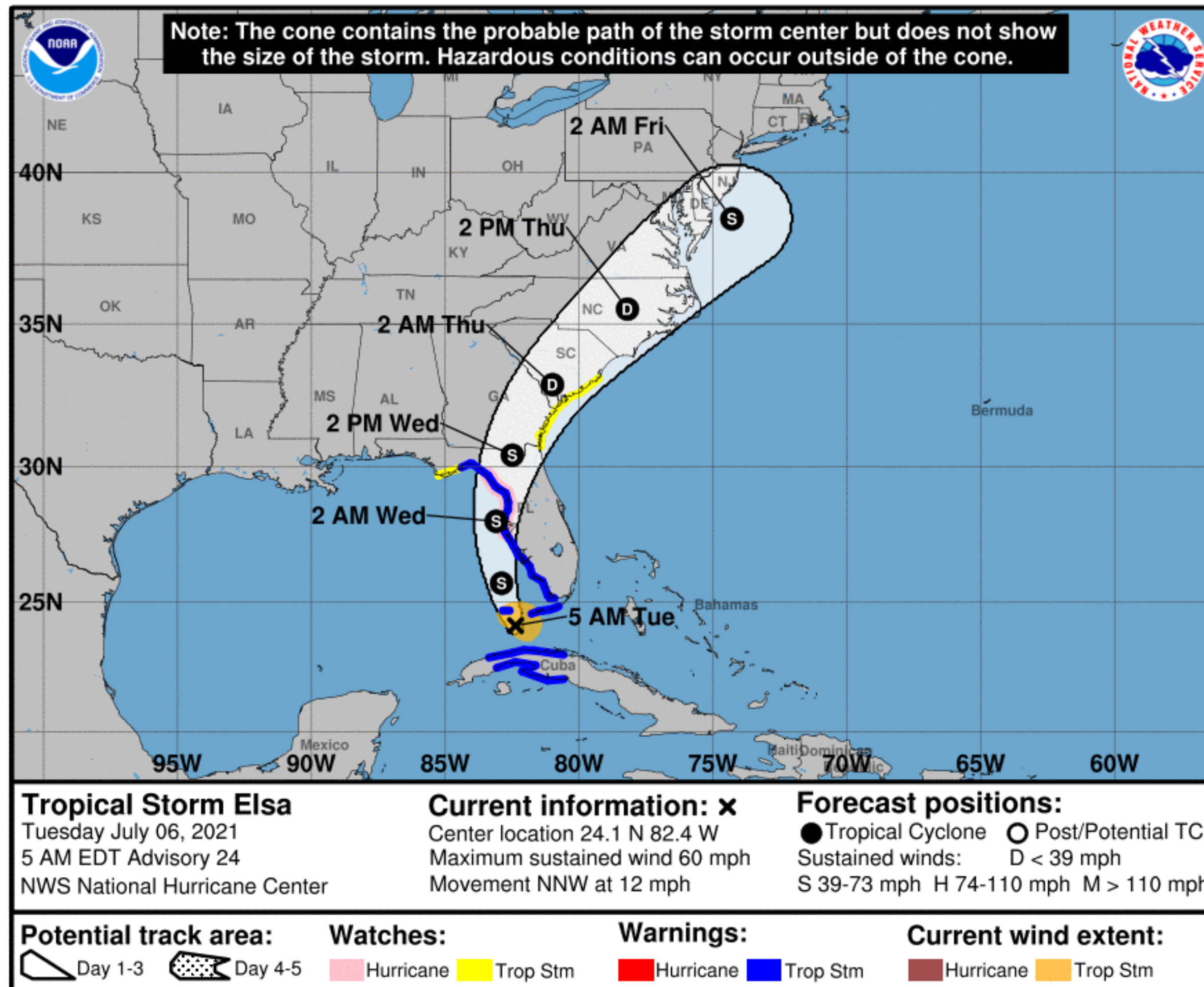
Location... 24.1N 82.4W
About 45 nm...SW of Key West, FL
About 235 nm...S of Tampa FL
Maximum Sustained Winds...50 kt
Present Movement...340 degrees at 10 kt
Minimum Central Pressure...1007 mb

Forecast Information

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- Elsa is currently moving across the Lower Florida Keys with tropical storm force winds extending E through the Middle Keys. Elsa is expected to move northward and generally parallel to the SW coast of Florida today and early tonight.
- Tropical storm conditions, with squalls and bands of Tstorms, will spread northward across S and SW Florida and adjacent waters Gulf this morning, with weather then spreading from the Ft Meyers area to Tampa Bay this afternoon.
- 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.

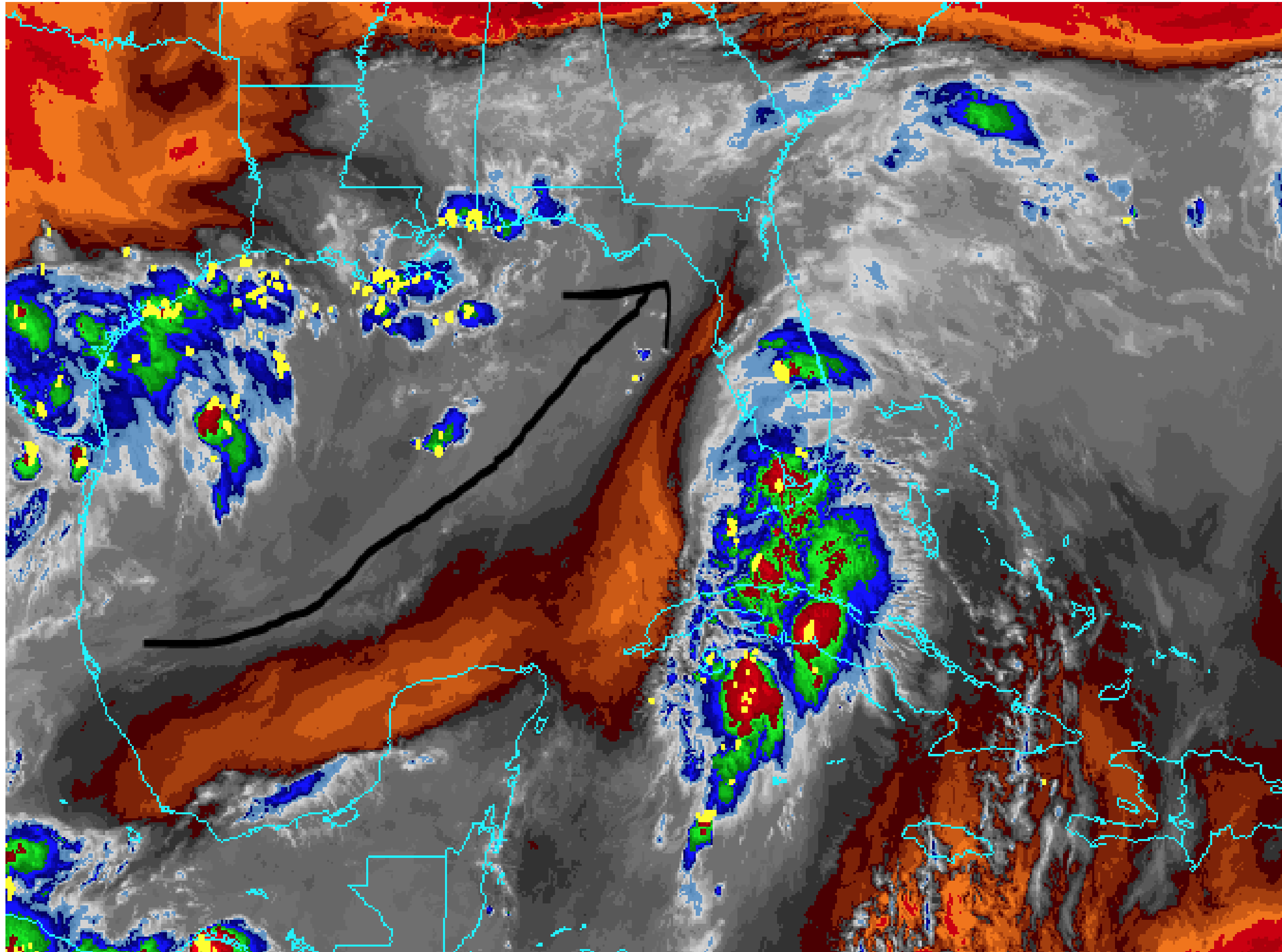
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Graphical Overview

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



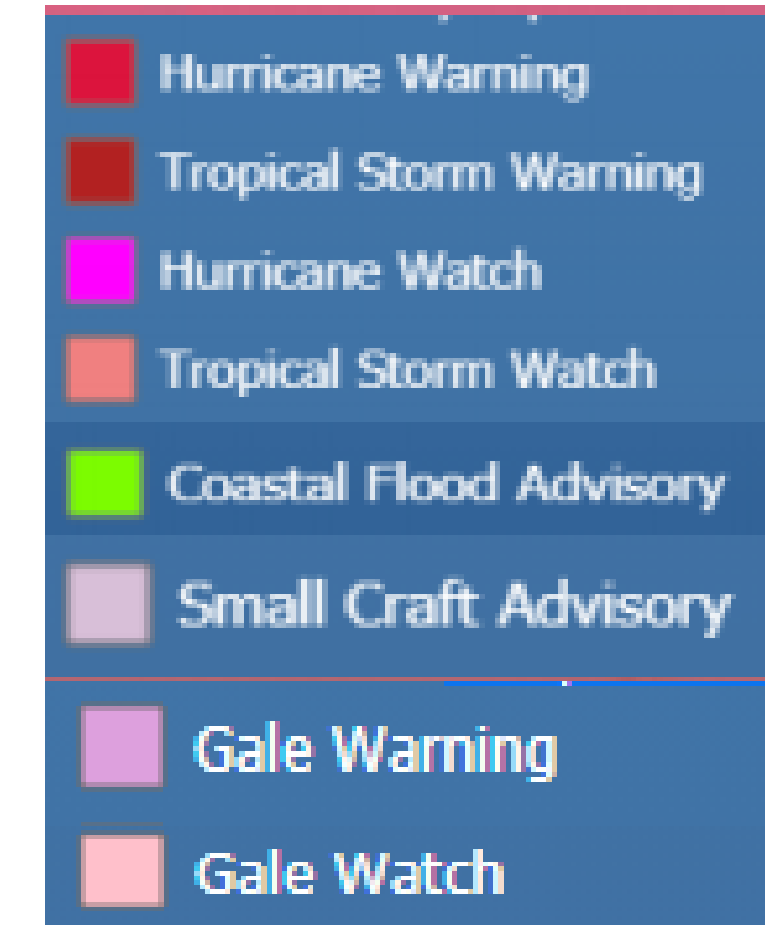
- GOES-16 WV image 1115 UTC
- Black arrow shows edge of strong SW winds aloft that would strongly shear Elsa
- Elongated dry slot of stable sinking air just to the W of Elsa's projected path indicated in orange colors. Global models suggest that Elsa should intensify today as it moves northward, but this dry air could be limiting factor preventing it from reaching minimal hurricane strength.

Hazards Map

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



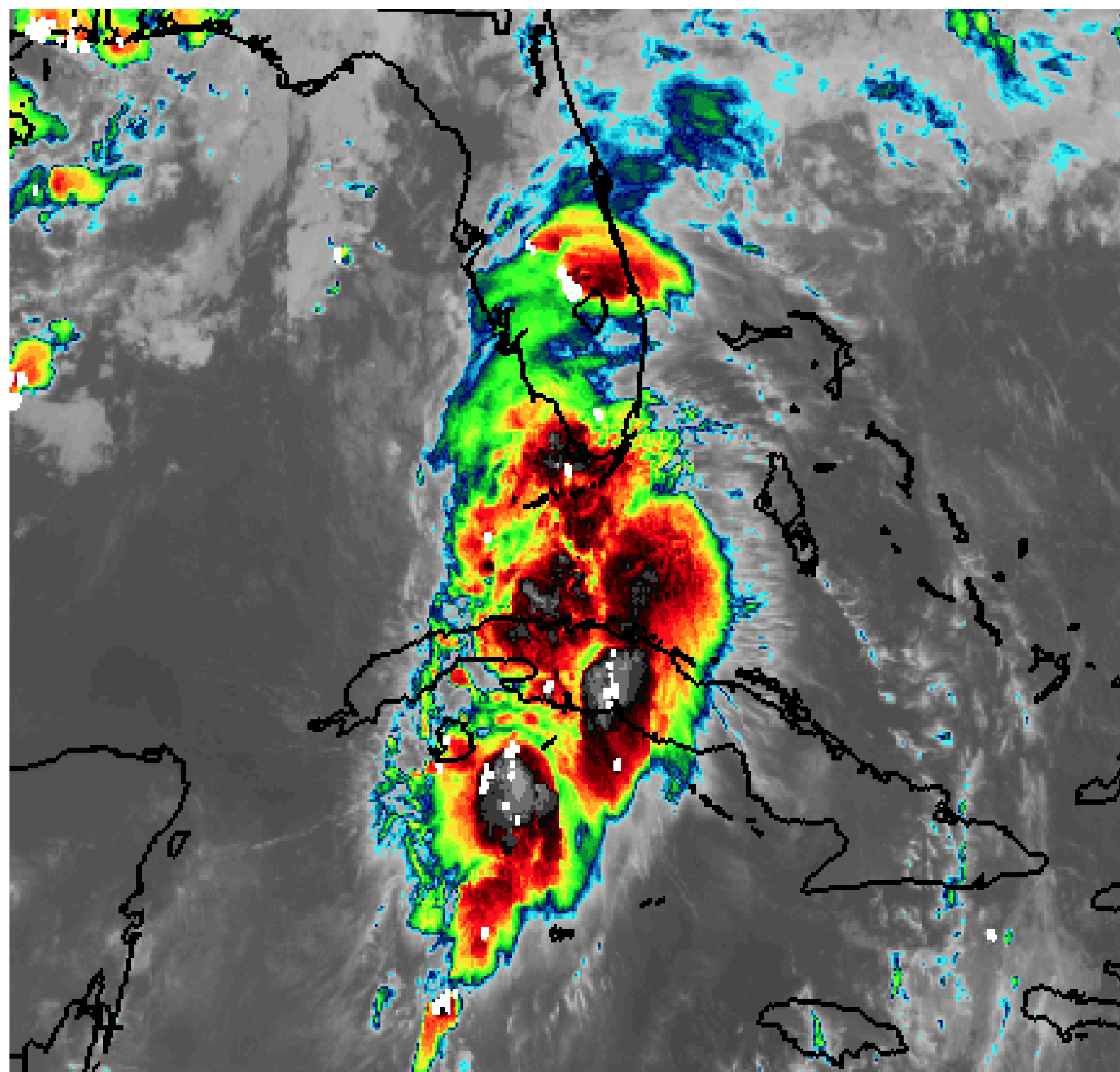
- <https://nowcoast.noaa.gov/>

Current Satellite View

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa moving across Lower Florida Keys...

Summary of 500 AM EDT...0900 UTC...
Information

Location... 24.1N 82.4W
About 45 nm...SW of Key West, FL
About 235 nm...S of Tampa FL
Maximum Sustained Winds...50 kt
Present Movement...340 degrees at 10 kt
Minimum Central Pressure...1007 mb

Current Radar View

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



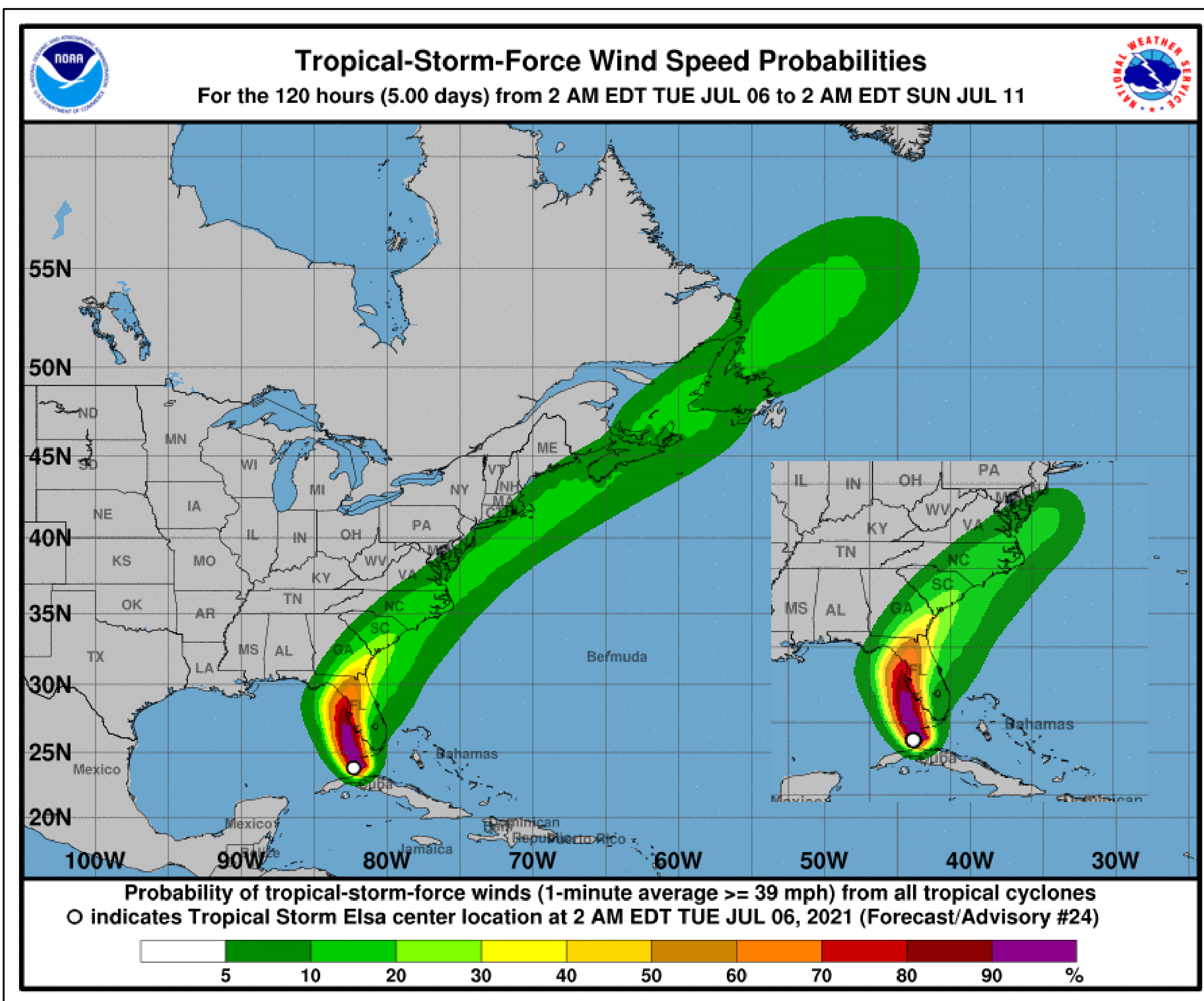
NWS radar composite from 7:05 am. Elsa moving NNW across the Lower Florida Keys with associated rainbands moving across SW Florida and coastal waters. Squalls and bands of Tstorms have moved northward across central Florida and adjacent Atlantic coastal waters overnight.

T.S. Wind Speed Probabilities

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

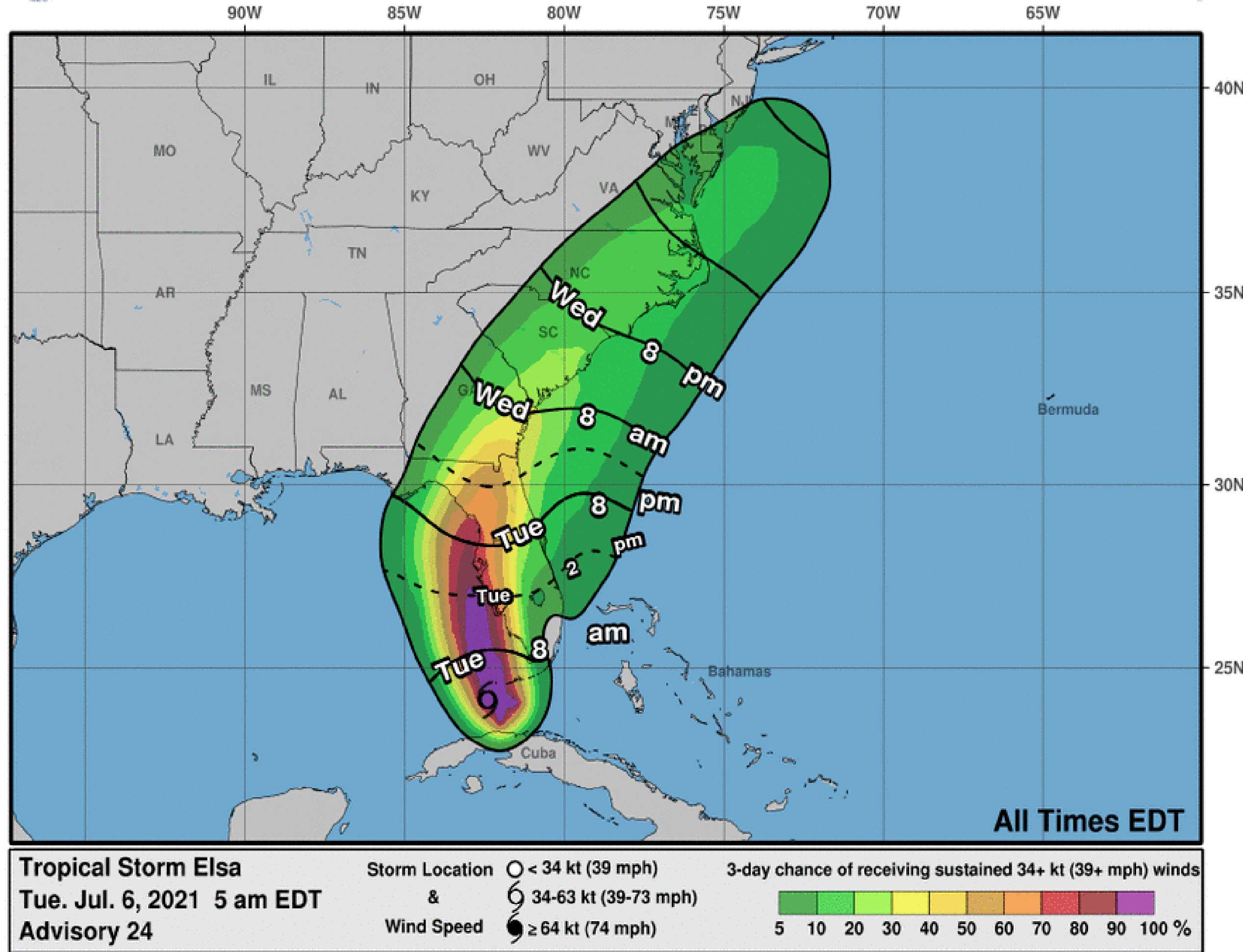


- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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



Tropical Storm Elsa

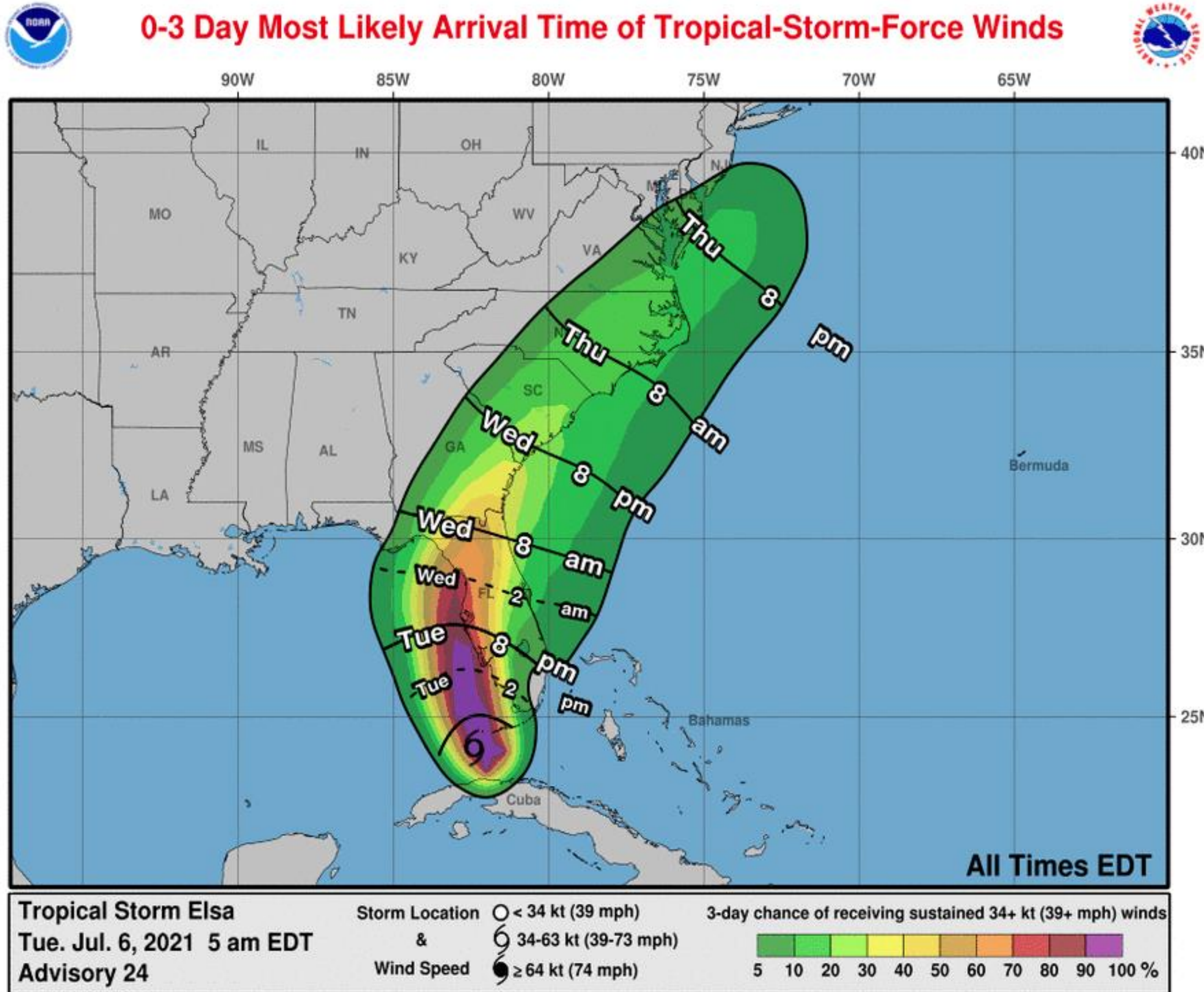
0-3 Day Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



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



Tropical Storm Elsa



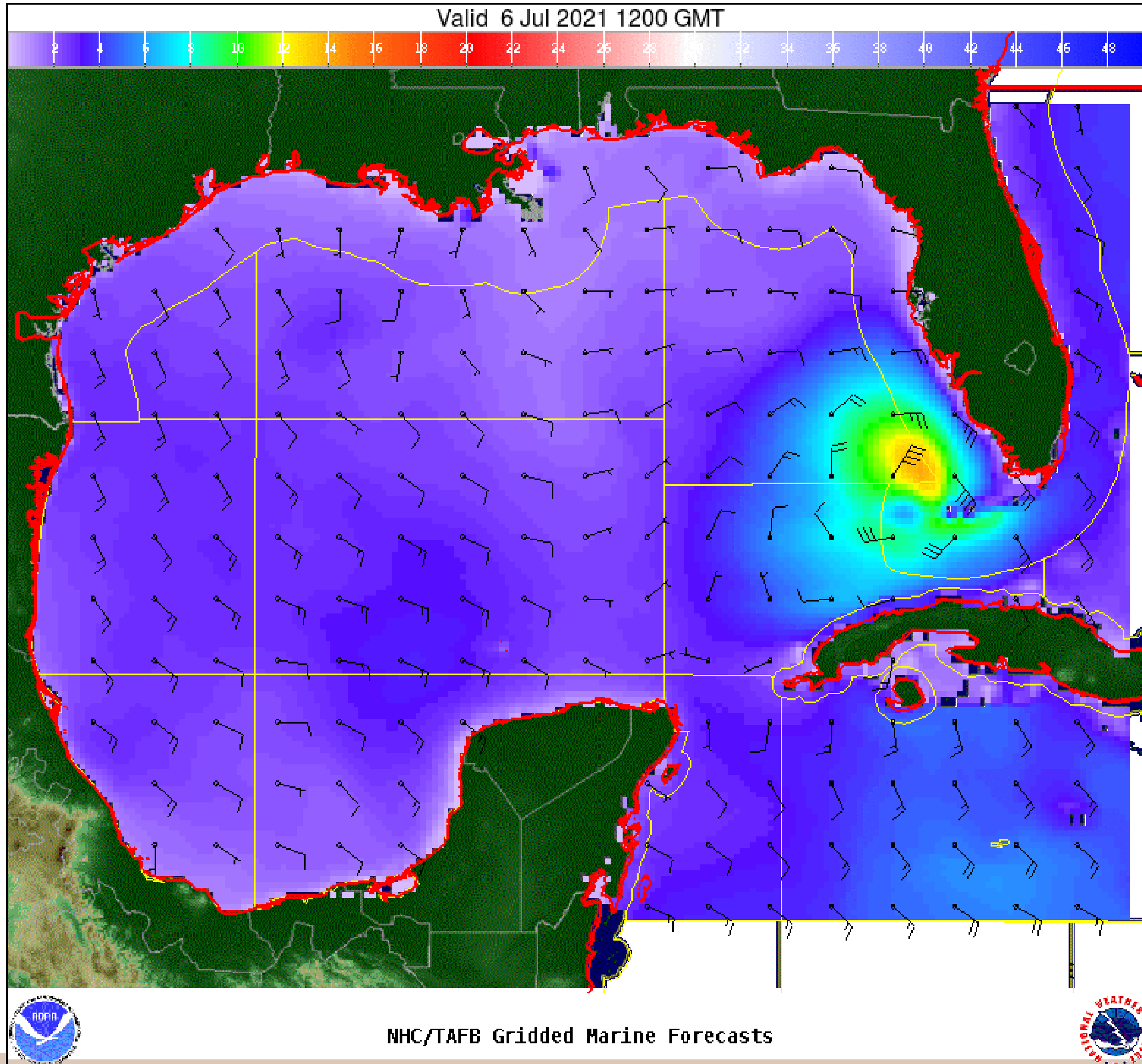
- The most likely time of arrival of Tropical Storm Force Winds (34 kt to 63 kt) for this cyclone based off the current track and wind radii.
- TS winds are presently impacting the Key West this morning
- Most likely time of arrival for TS winds across Tampa Bay/St Pete area is late this evening
- See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

Wind And Waves

Tropical Storm Elsa

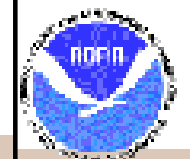
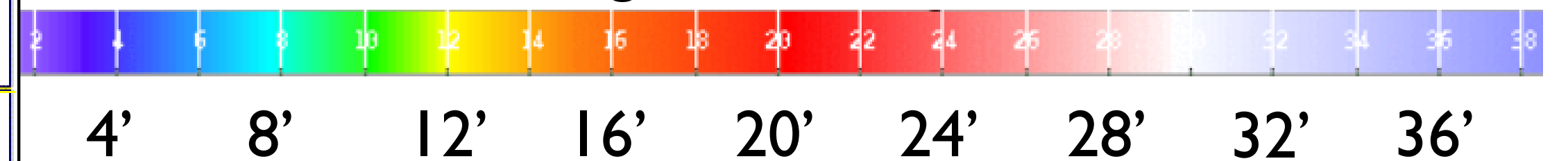


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



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

■ Wave heights are in feet



NHC/TAFB Gridded Marine Forecasts

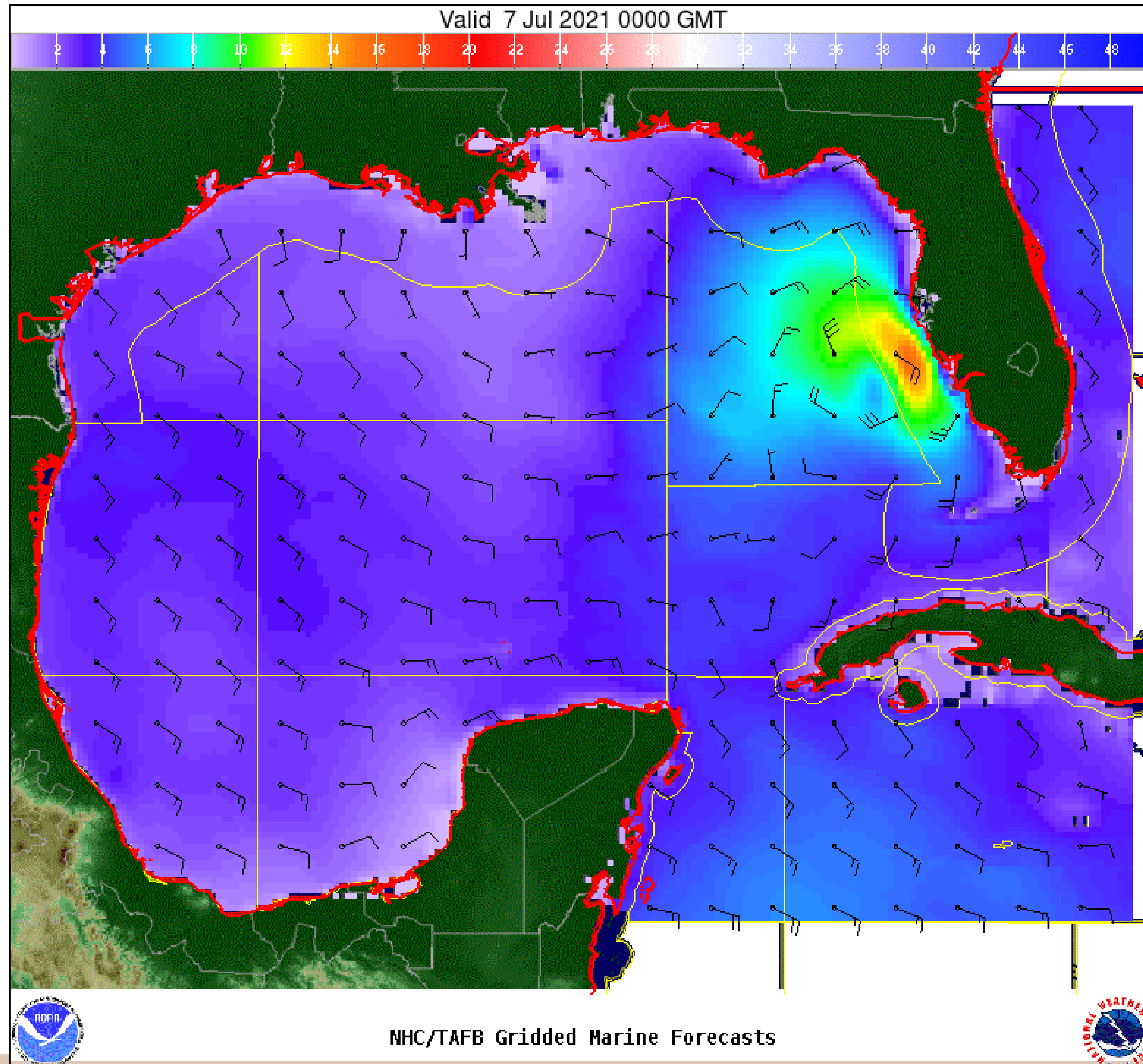


Wind And Waves

Tropical Storm Elsa

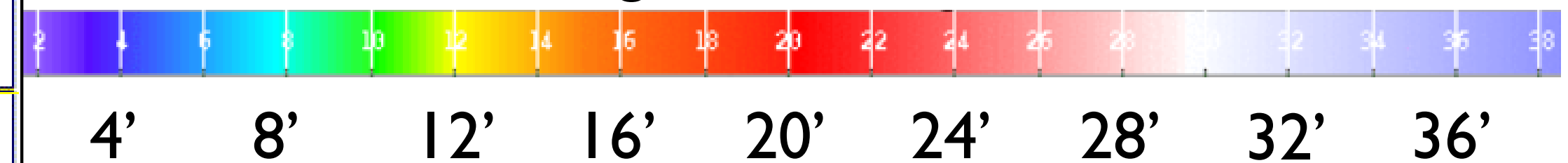


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



24 Hour Forecast
7 Jul 0000 UTC or 8 pm
Peak Winds: 60 kt
Peak Seas: 20 ft

■ Wave heights are in feet

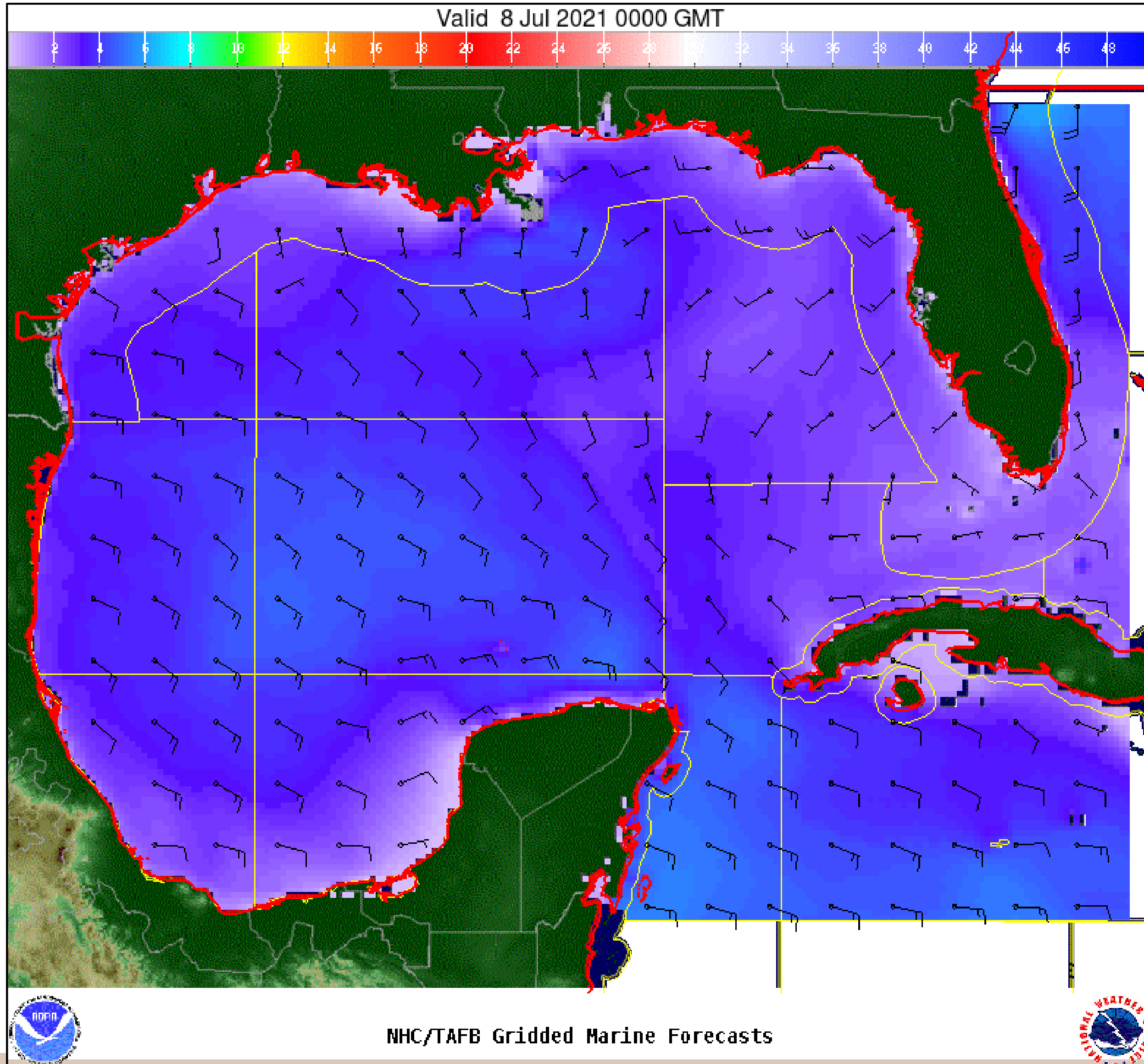


Wind And Waves

Tropical Storm Elsa

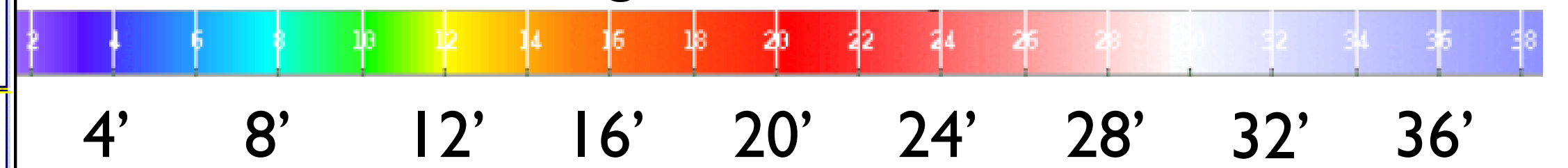


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



48 Hour Forecast
8 Jul 0000 UTC of 8 pm
Inland across coastal Georgia
Peak Winds: 35 kt
Peak Seas: 5 ft Florida Big Bend

■ Wave heights are in feet



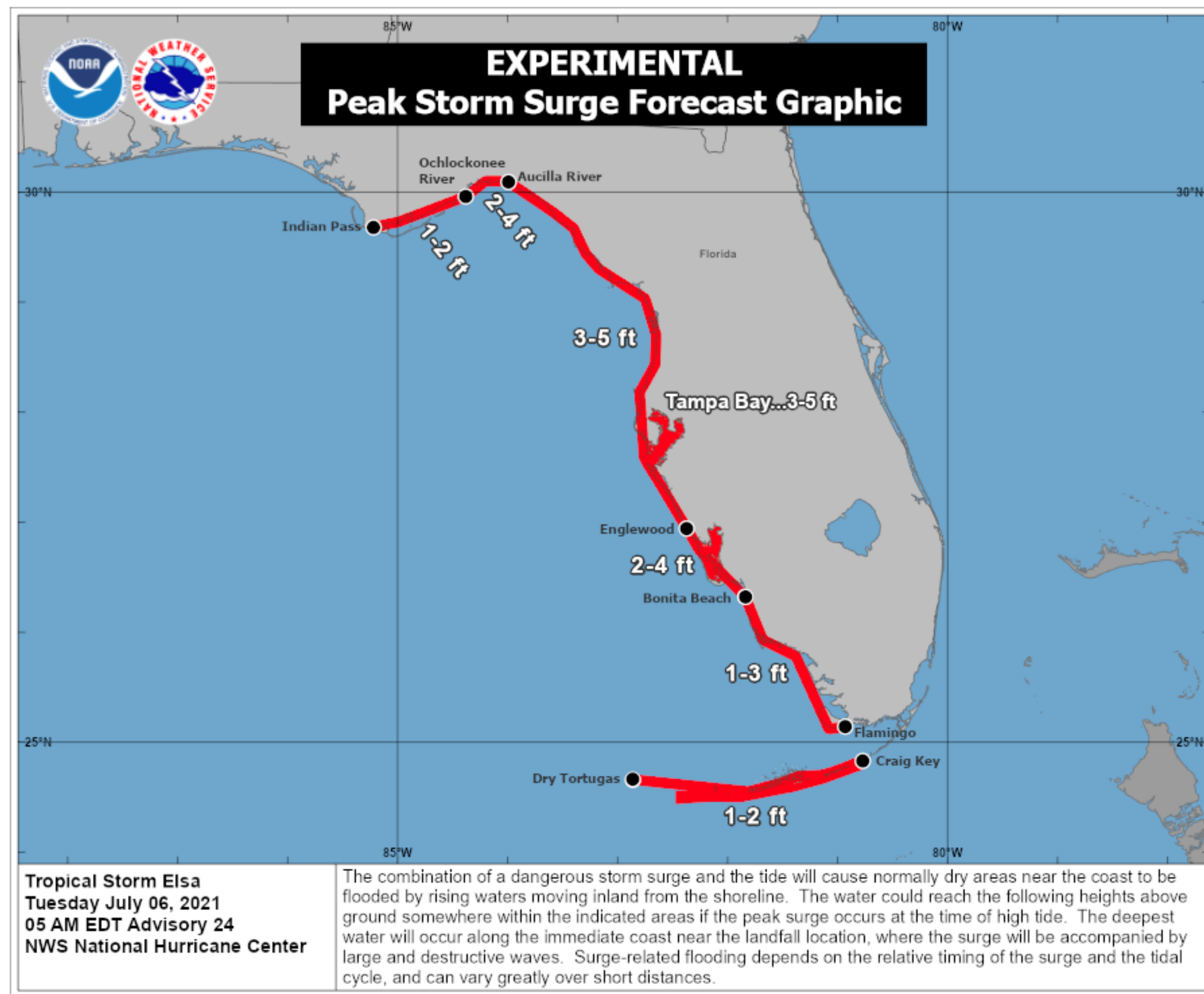
NHC/TAFB Gridded Marine Forecasts

Potential Peak Storm Surge / Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Elsa



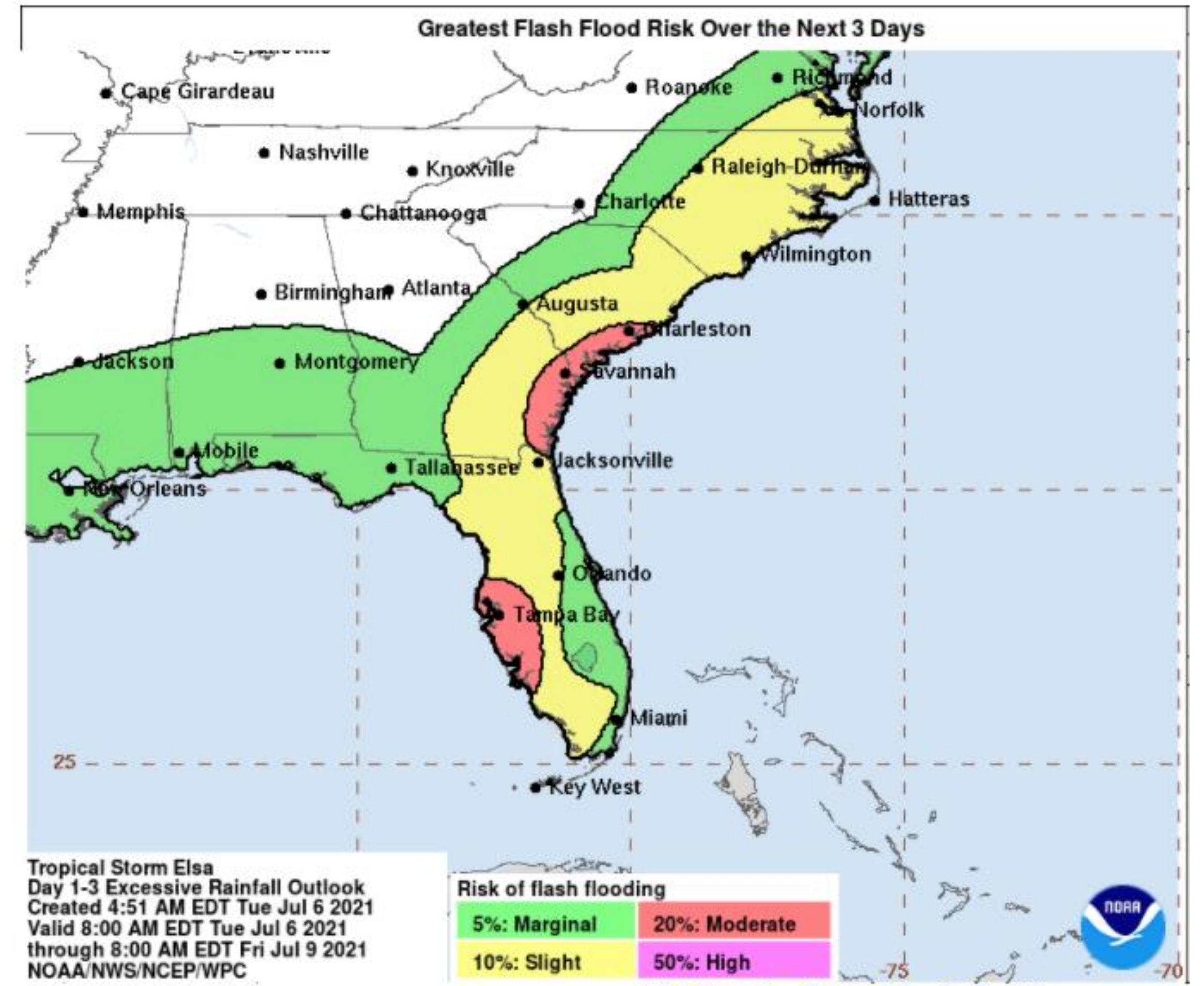
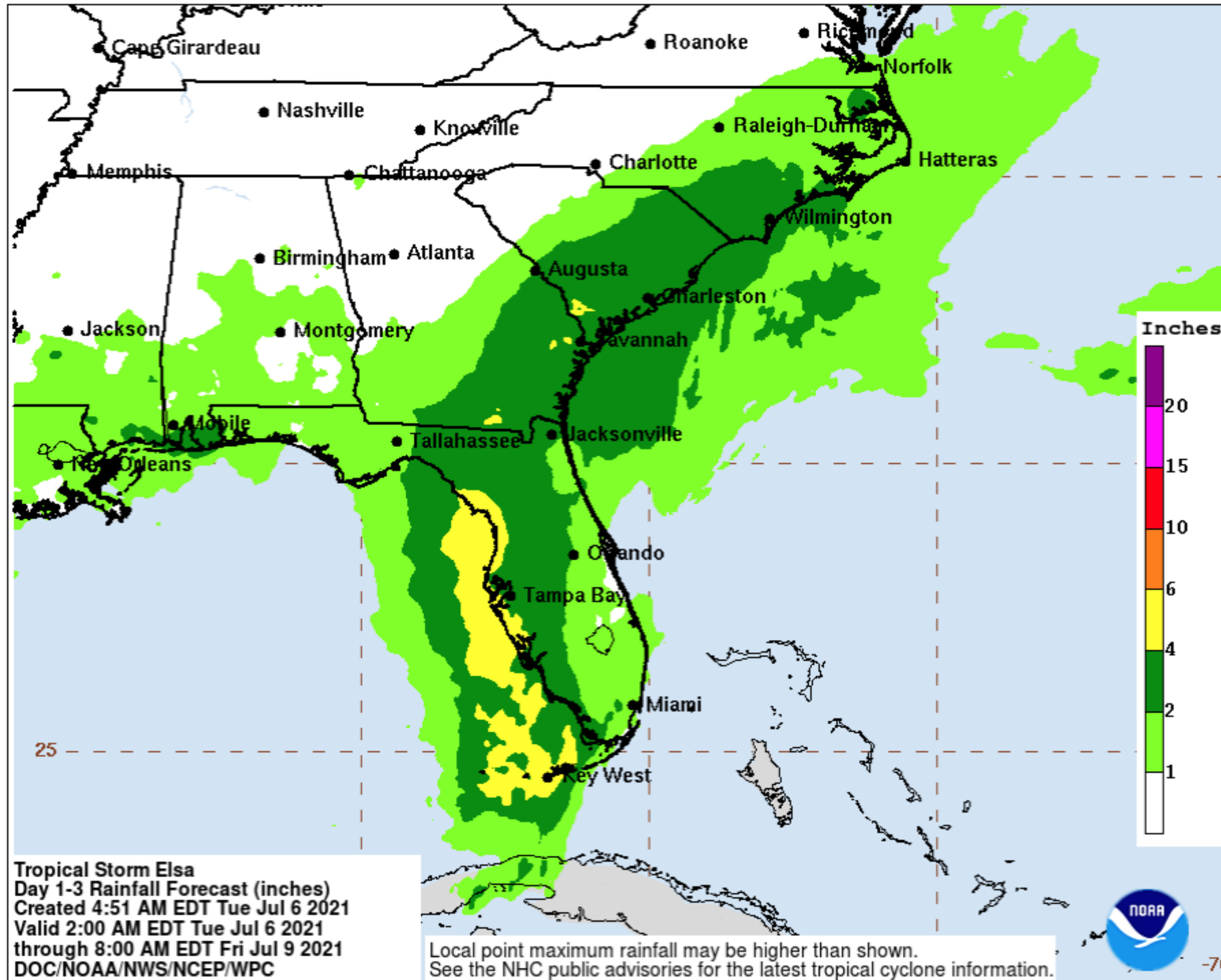
- Potential storm surge is represented in feet above the ground at any given point.

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 9 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 24: 5:00 AM EDT Tue Jul 06, 2021




1. Heavy rain will impact Cuba today resulting in significant flooding and mudslides. As Elsa moves across the western Florida Peninsula through Wednesday, heavy rainfall may result in isolated flash, urban, and minor river flooding, with considerable flash and urban flooding possible in southwest and western portions of Florida. Mid to late week, heavy rainfall across coastal Georgia, South Carolina, North Carolina, and southeastern Virginia may result in isolated flash and urban flooding, with considerable flash and urban flooding possible across coastal Georgia and the Lowcountry of South Carolina.

2. There is a danger of life-threatening storm surge along portions of the west coast of Florida tonight and Wednesday, and a Storm Surge Warning is in effect for that area.

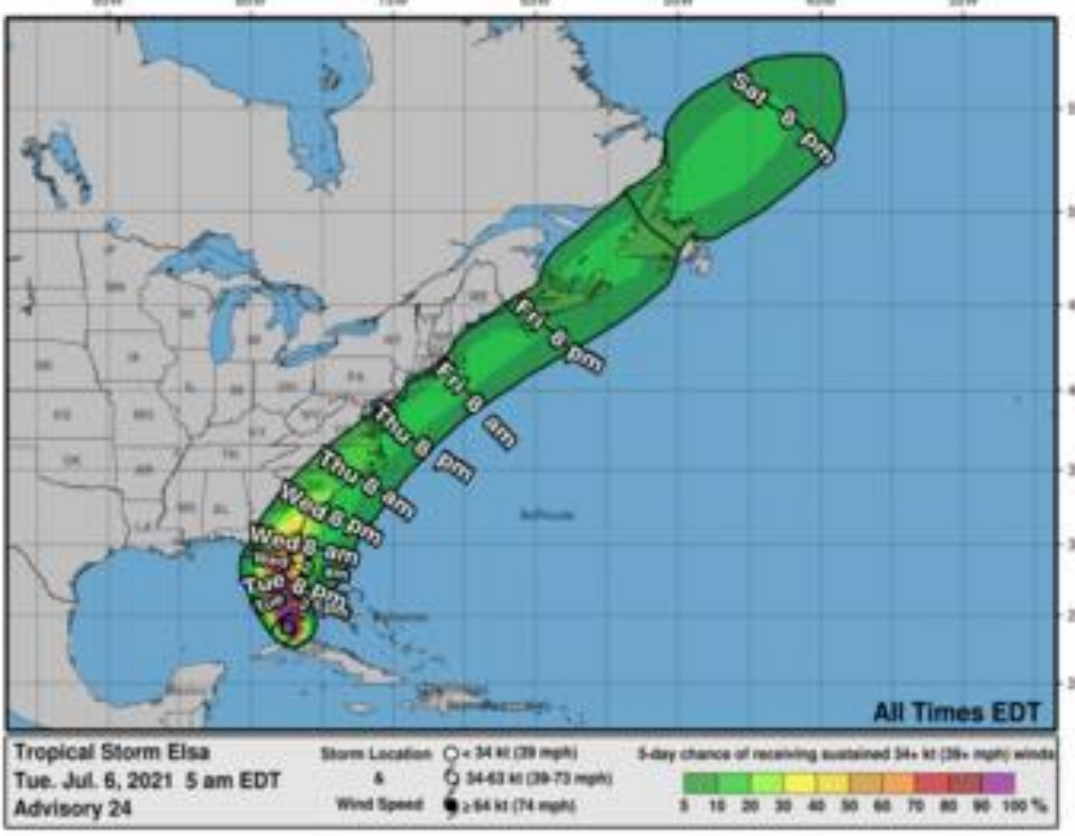
3. A Hurricane Watch has been issued for a portion of the west-central and Big Bend coast of Florida, where hurricane conditions are possible tonight and early Wednesday. Tropical storm conditions are expected across portions of the Florida Keys and much of the west coast of the state, where a Tropical Storm Warning is in effect.

4. A Tropical Storm Watch has been issued for the Georgia coast and portions of the South Carolina coast, where tropical storm conditions are possible late Wednesday and early Thursday.

For more information go to hurricanes.gov



Most Likely Arrival Time of Tropical-Storm-Force Winds



- Tropical Storm conditions are currently across the Lower and Middle Florida Keys and will move northward across the SW Florida coast and waters this morning and along W central sections of Florida this afternoon.
- Elsa has an opportunity to strengthen modestly today and tonight and is expected to approach the Tampa Bay area this evening just below hurricane strength.
- Winds of 55-60 kt and seas building 15-20 ft are expected to accompany the E semicircle or Elsa as it moves N along the W coast of Florida this afternoon and tonight.



TROPICAL STORM ELSA BRIEFING

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

*The Next Briefing Will Be:
Tuesday 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