

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Moderate

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - Moderate

TROPICAL STORM ELSA BRIEFING



8:00 AM EDT
Wednesday July 7, 2021

Prepared by:

Scott Stripling

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

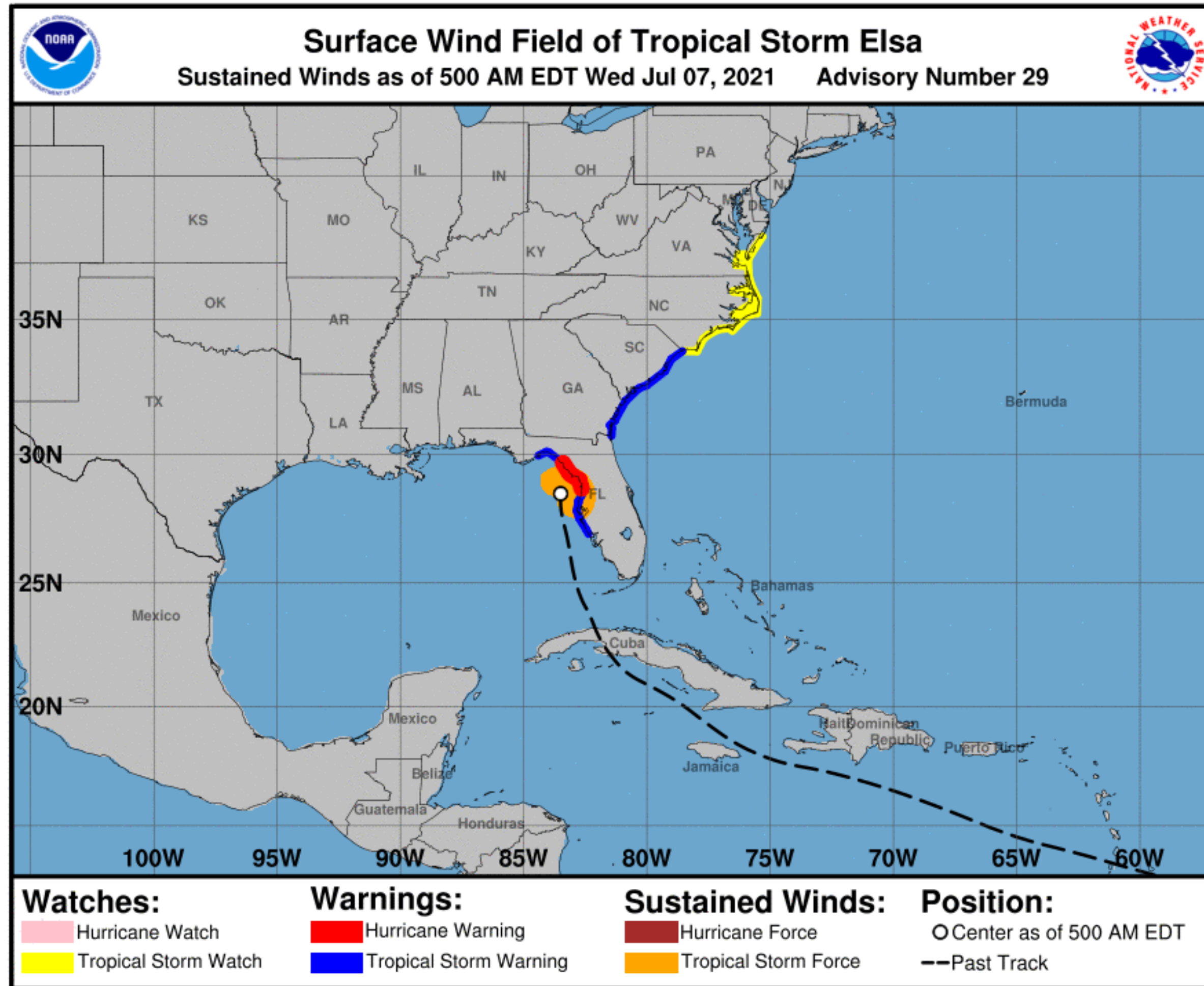


Situation Overview

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa moving northward offshore of the W coast of Florida...

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

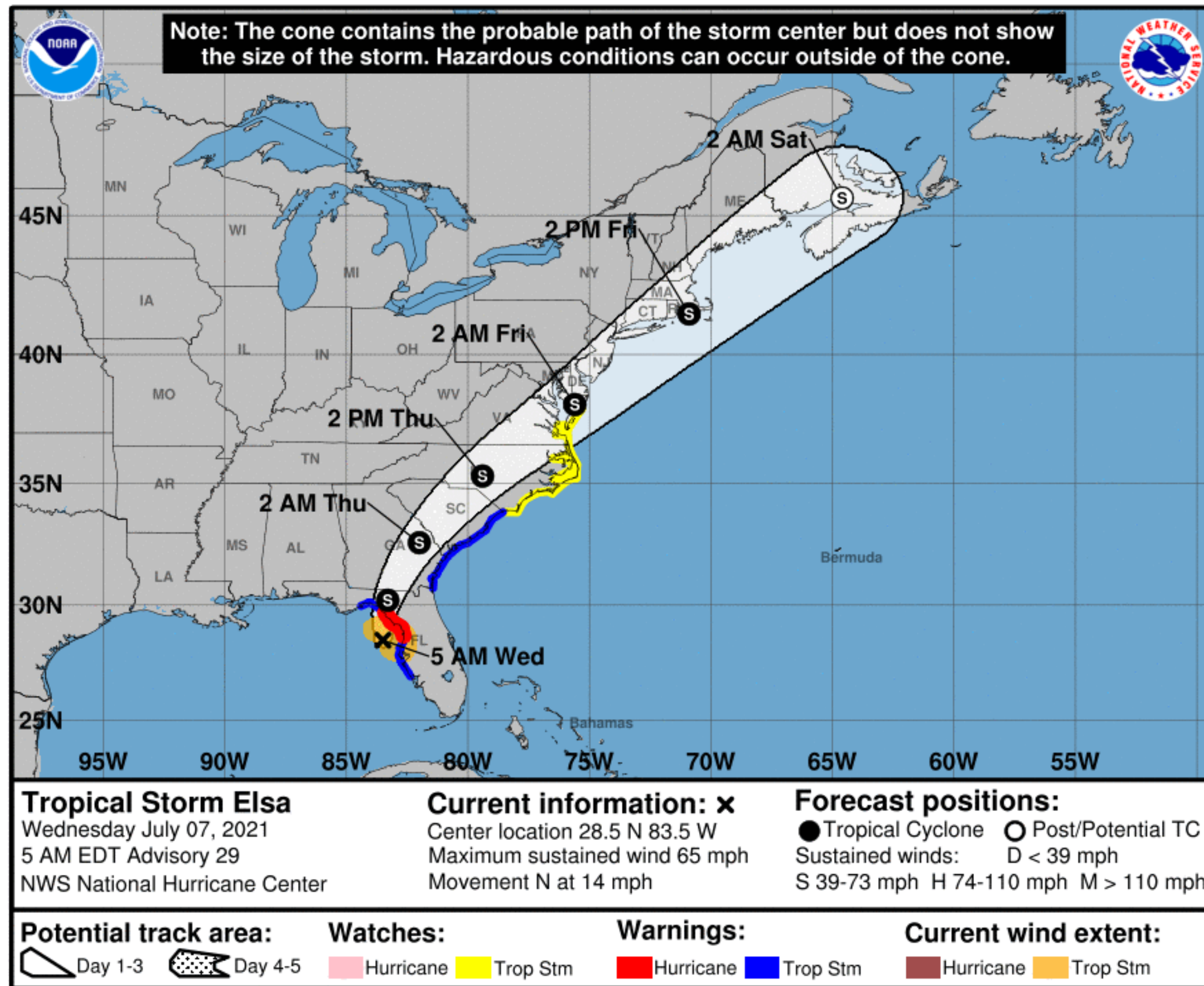
Location... 28.5N 83.5W
About 45 nm...SSW of Cedar Key, FL
About 60 nm...WNW of Tampa FL
Maximum Sustained Winds...55 kt
Present Movement...360 degrees at 12 kt
Minimum Central Pressure...1004 mb

Forecast Information

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- Elsa is moving northward along the W coast of Florida this morning as a TS, and expected to make landfall in the Florida Big Bend area this afternoon. Strongest winds and highest seas remain confined to NE semicircle of Elsa and near the coast.
- Elsa still has opportunity to return to Hurricane strength before landfall. Squalls and bands of Tstorms expected to continue near and E of center and will spread northeastward across northern Florida today. Trailing bands of Tstorms also likely to persist across portions of S central and central Florida through this evening.
- 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.

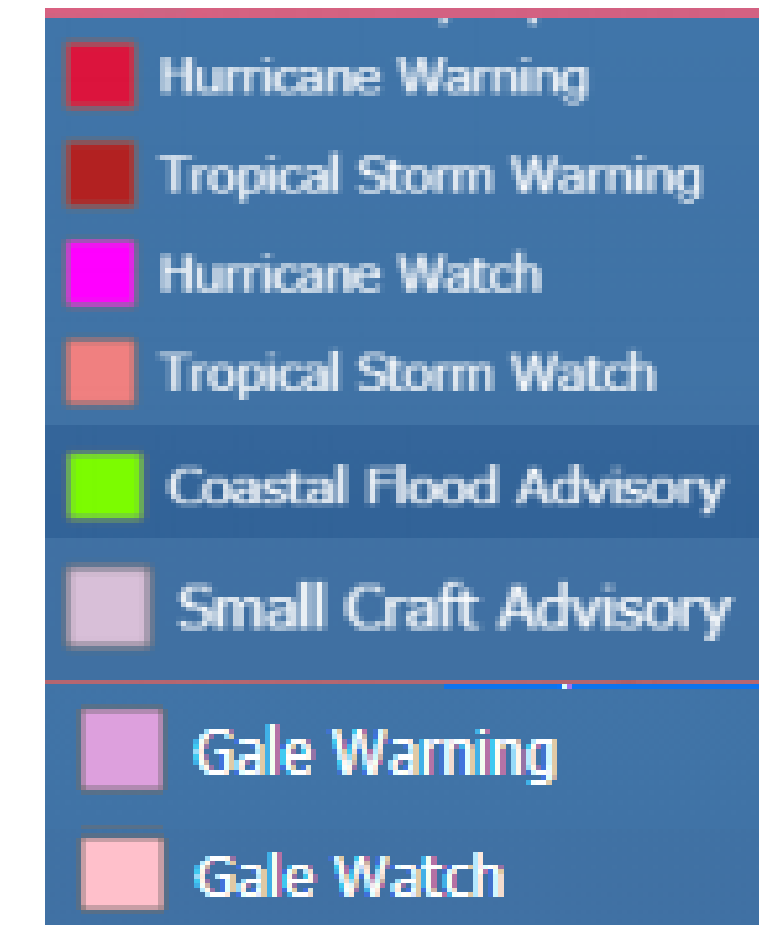
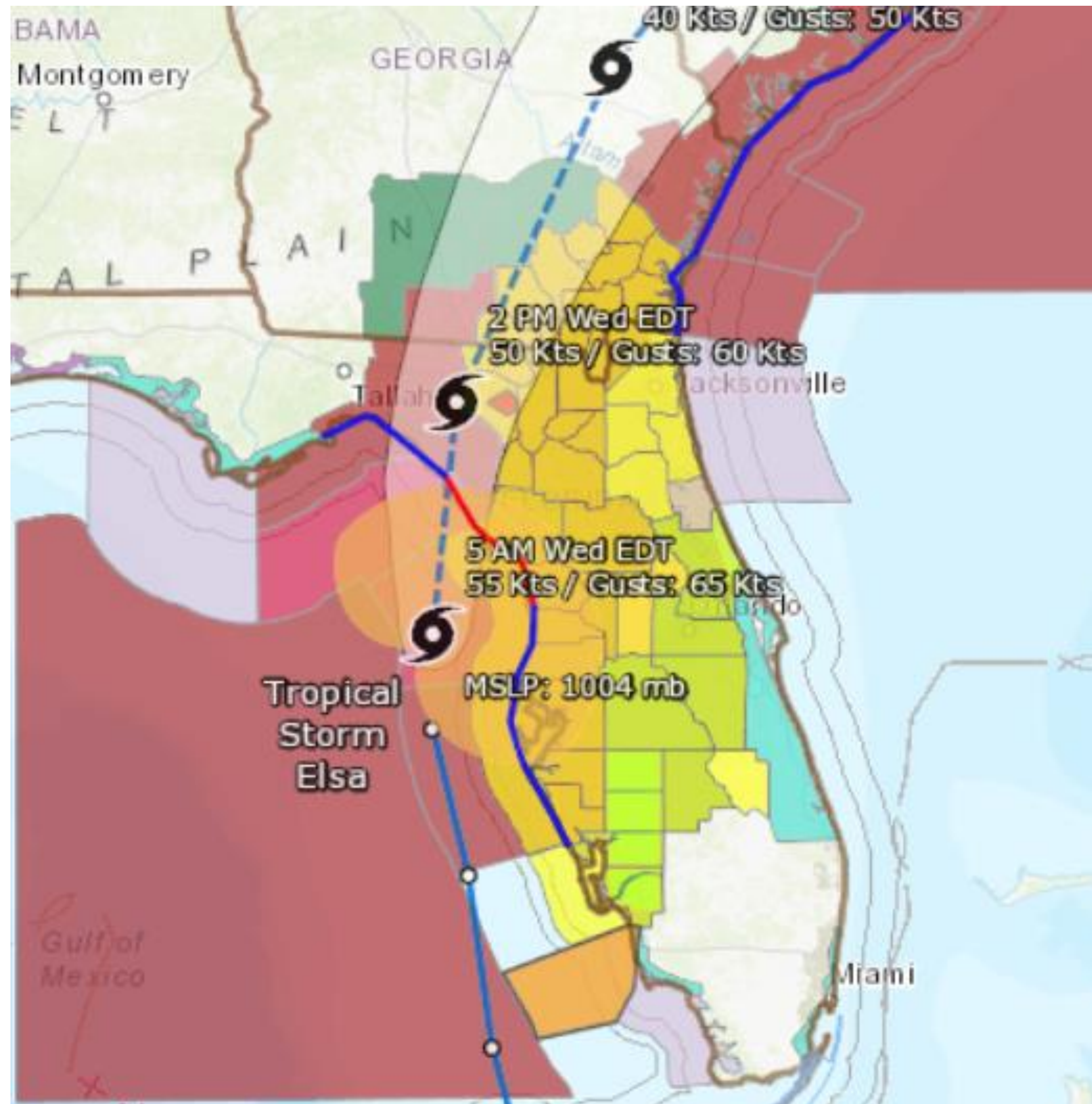
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Hazards Map

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



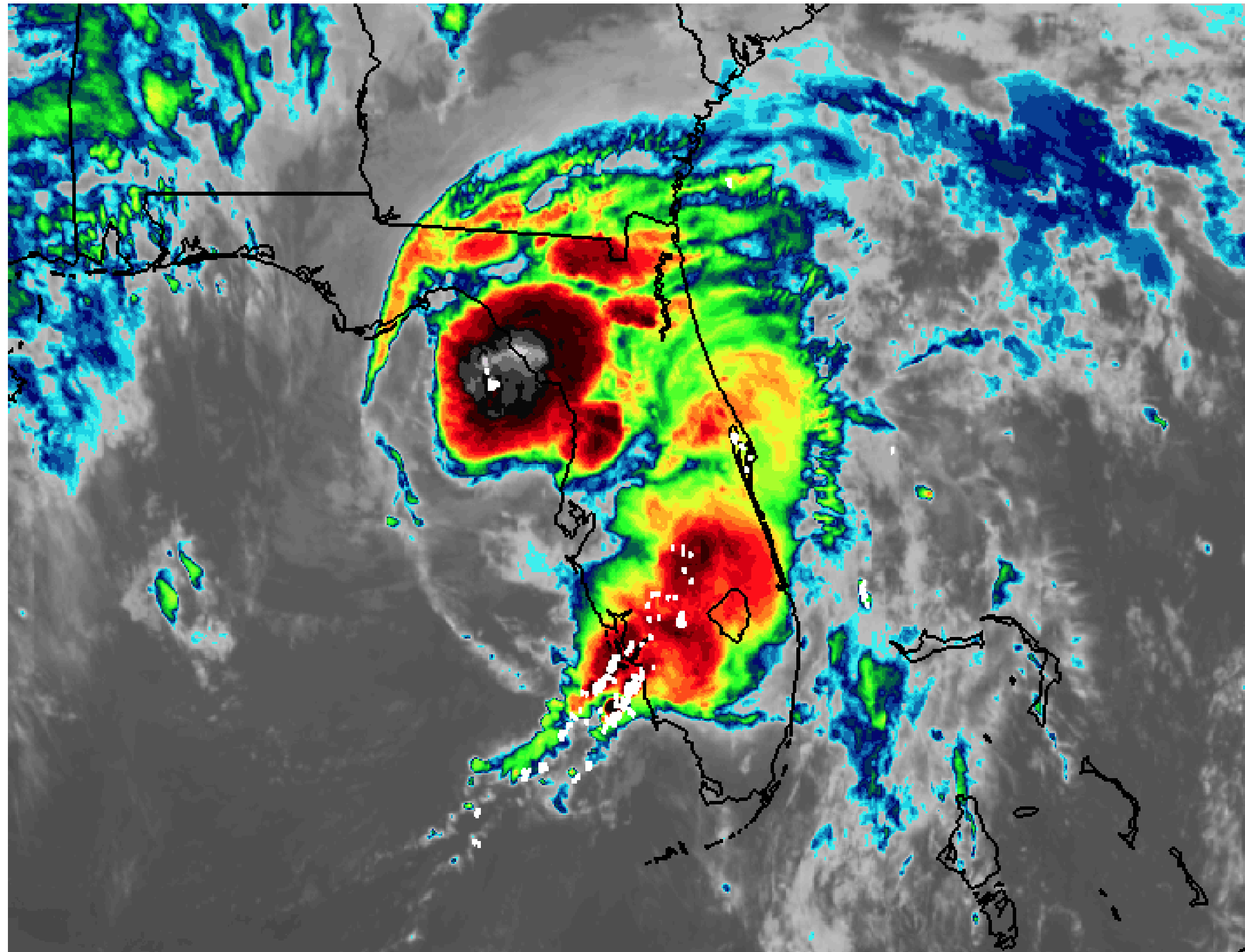
■ <https://nowcoast.noaa.gov/>

Current Satellite View

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



... Elsa moving northward as a TS offshore
of the W coast of Florida ...

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

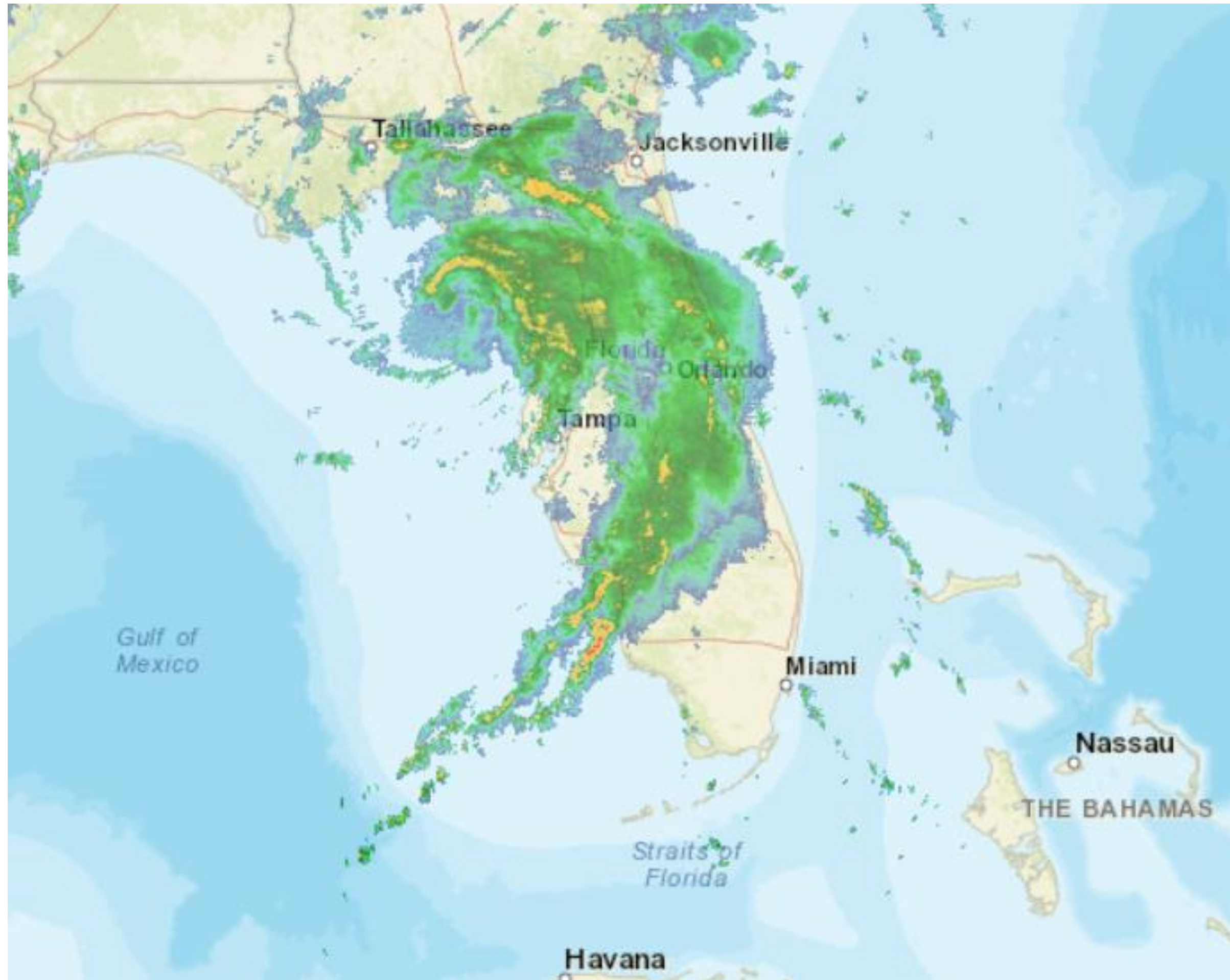
Location... 28.5N 83.5W
About 45 nm...SSW of Cedar Key, FL
About 60 nm...WNW of Tampa FL
Maximum Sustained Winds...55 kt
Present Movement...360 degrees at 12 kt
Minimum Central Pressure...1004 mb

Current Radar View

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



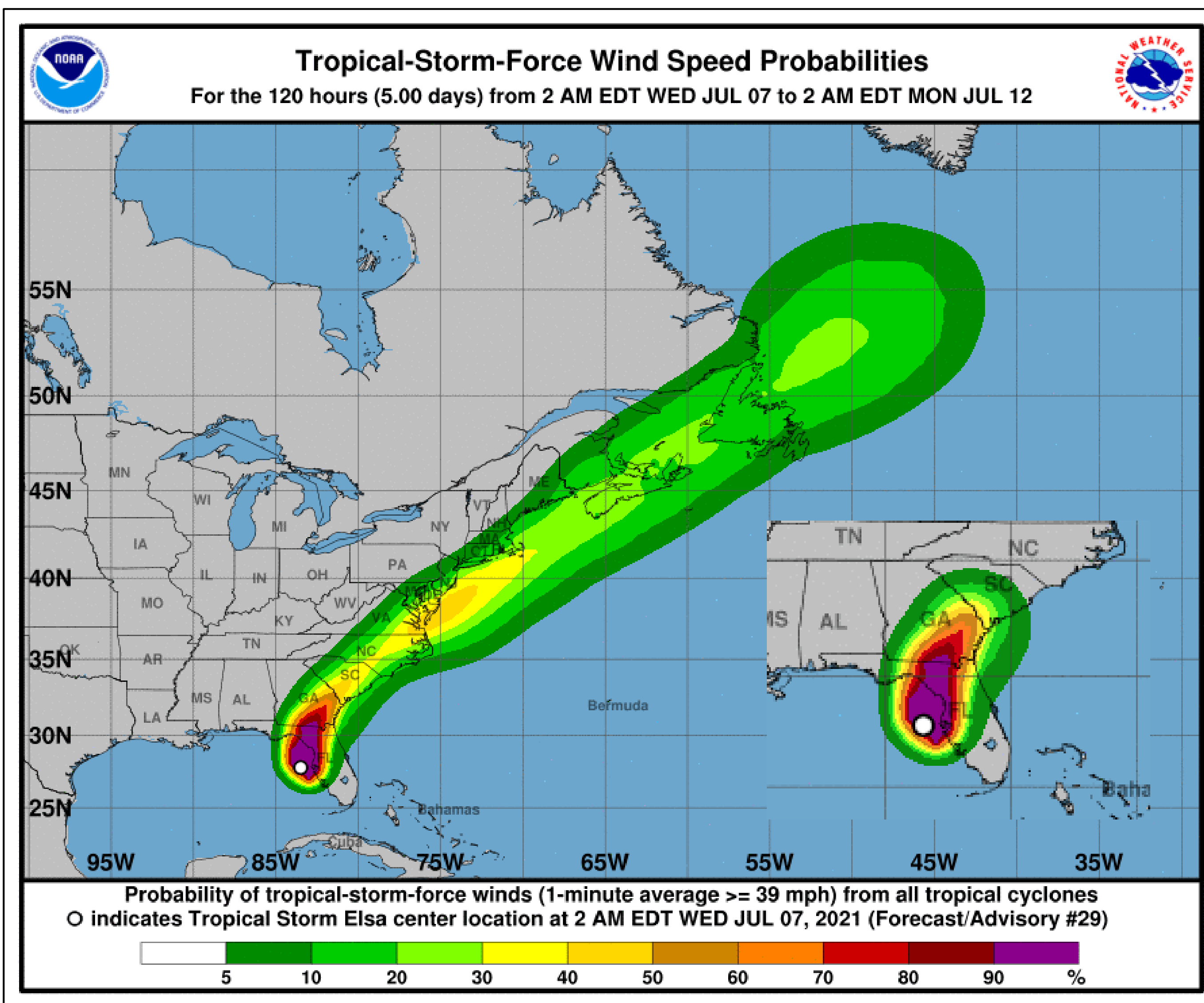
NWS radar composite from 7:32 am. Elsa moving N along the W coast of N central Florida. Dry air has become entrained within the circulation of Elsa overnight and is limiting convection across W portions of Elsa.

T.S. Wind Speed Probabilities

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



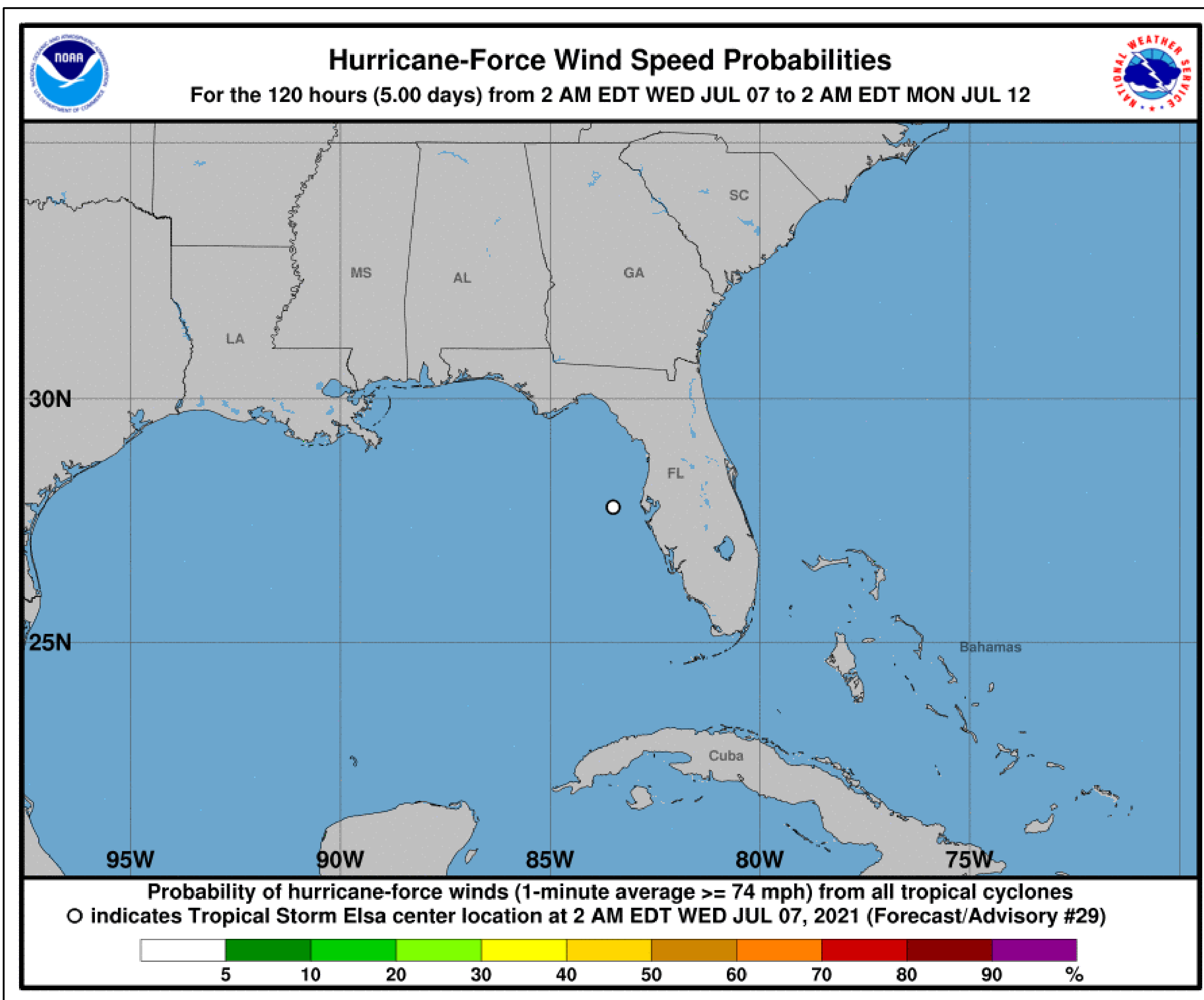
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

Hurricane Wind Speed Probabilities



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

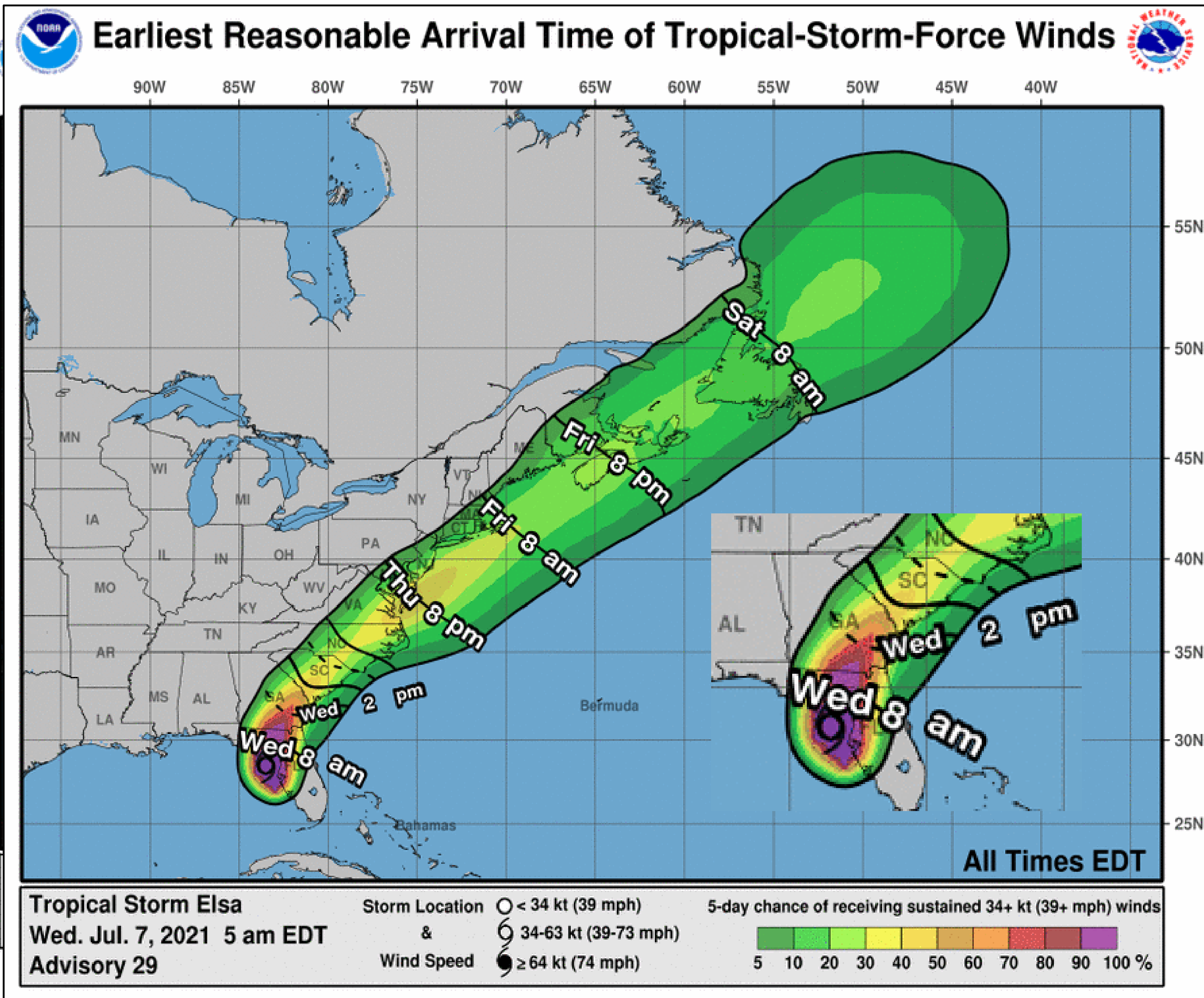
Tropical Storm Elsa



- **DELETE THESE BULLETS AND CREATE YOUR OWN**
- Probabilities of sustained hurricane force winds (64 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



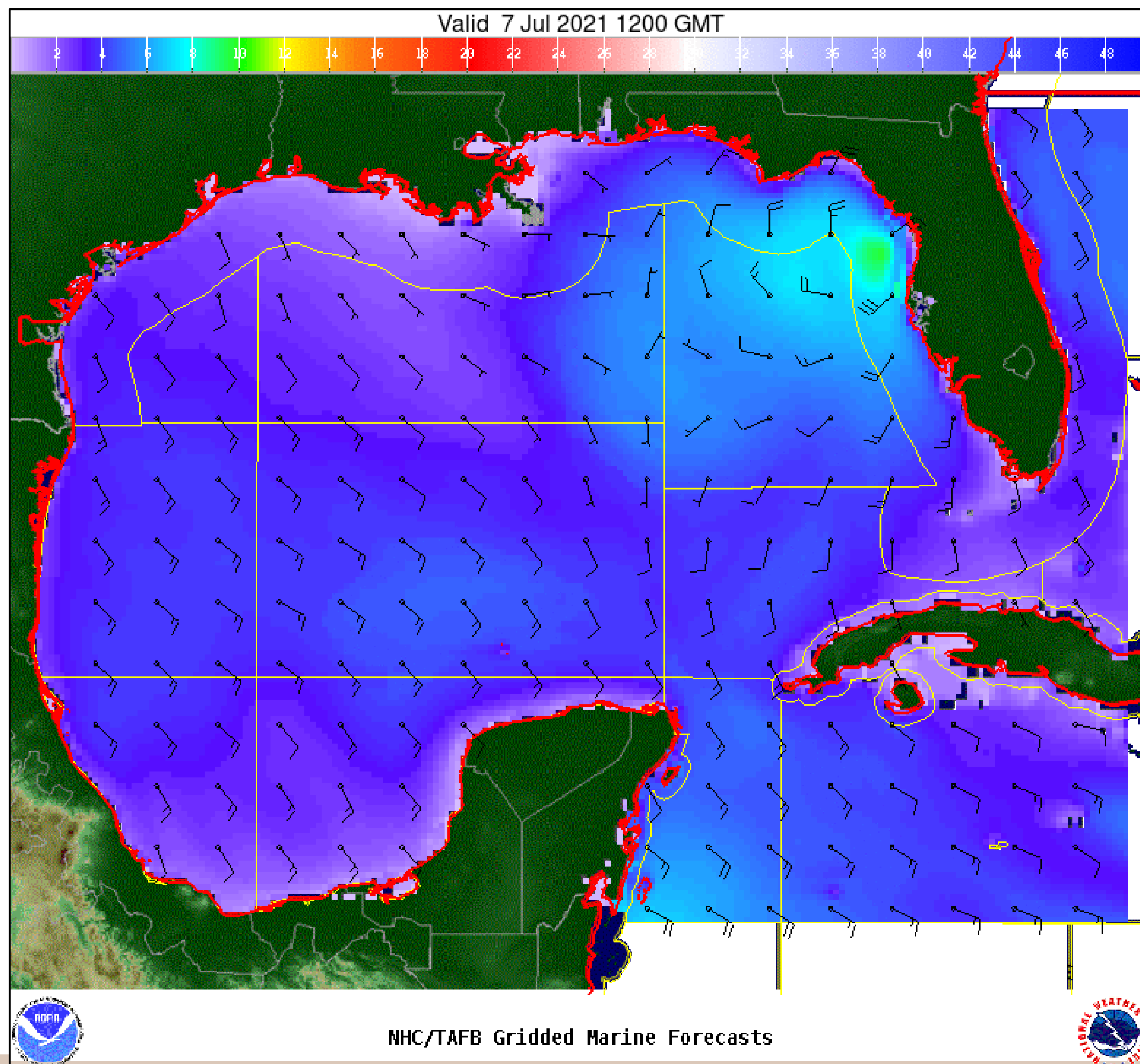
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34 kt to 63 kt) for this cyclone based off the current track and wind radii.
- Earliest reasonable time of arrival for TS winds across the coastal zone of Florida Big Bend Region are within the next hour or so
- See the color bar below the image for more details.

Wind And Waves

Tropical Storm Elsa

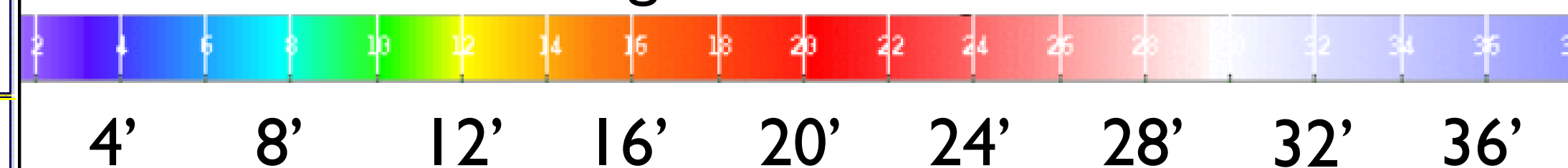


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



12 Hour Forecast
7 Jul 1200 UTC or 8 am
Peak Winds: 55 kt
Peak Seas: 12-14 ft

■ Wave heights are in feet

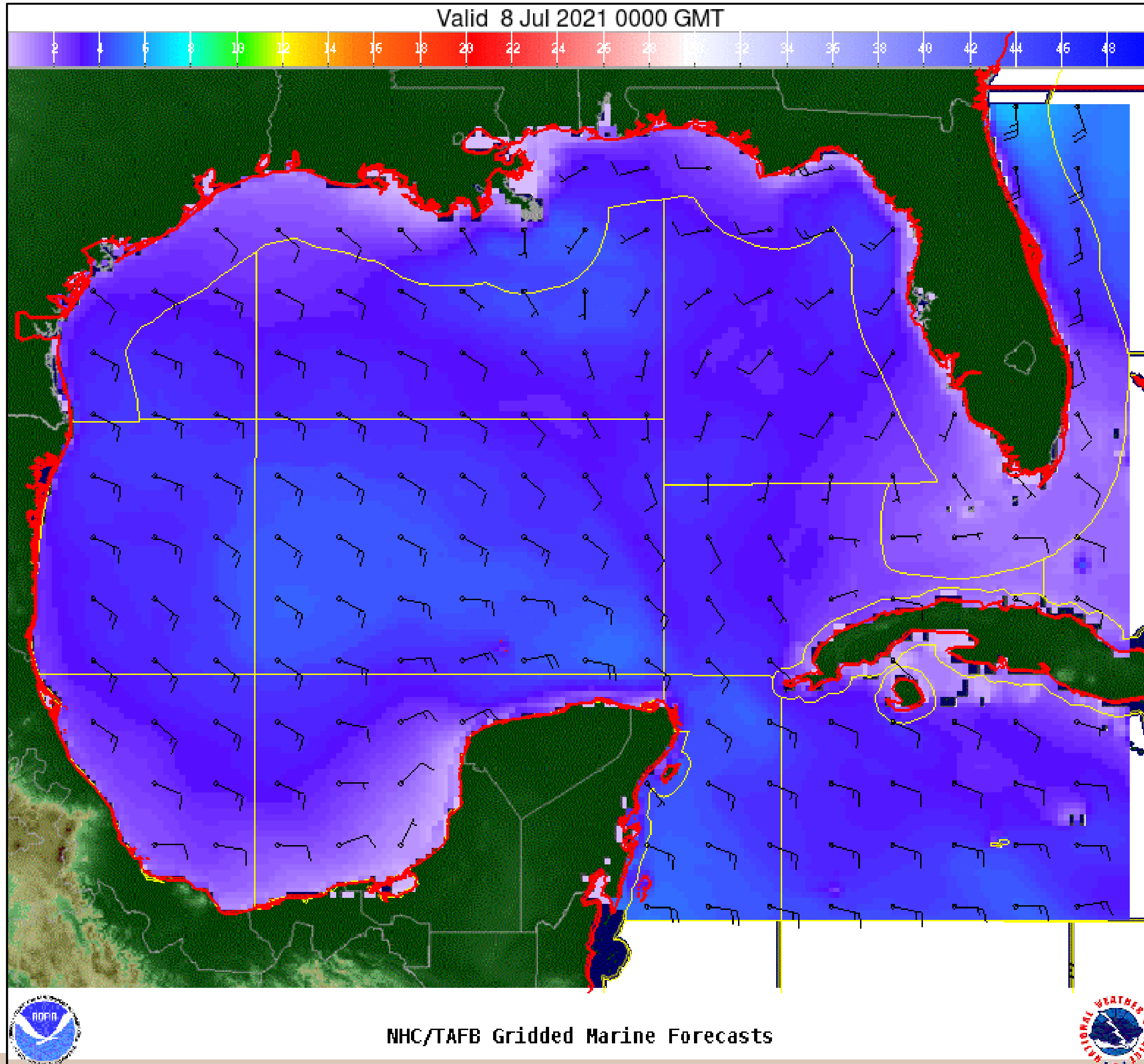


Wind And Waves

Tropical Storm Elsa

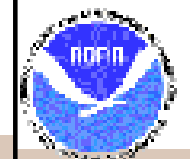
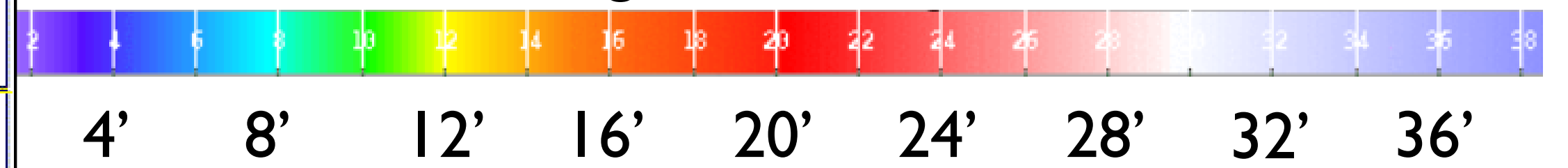


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



24 Hour Forecast
8 Jul 0000 UTC or 8 pm
Inland across SE Georgia
Peak Winds: 45 kt
Peak Seas: 5 ft Florida Big Bend

■ Wave heights are in feet



NHC/TAFB Gridded Marine Forecasts

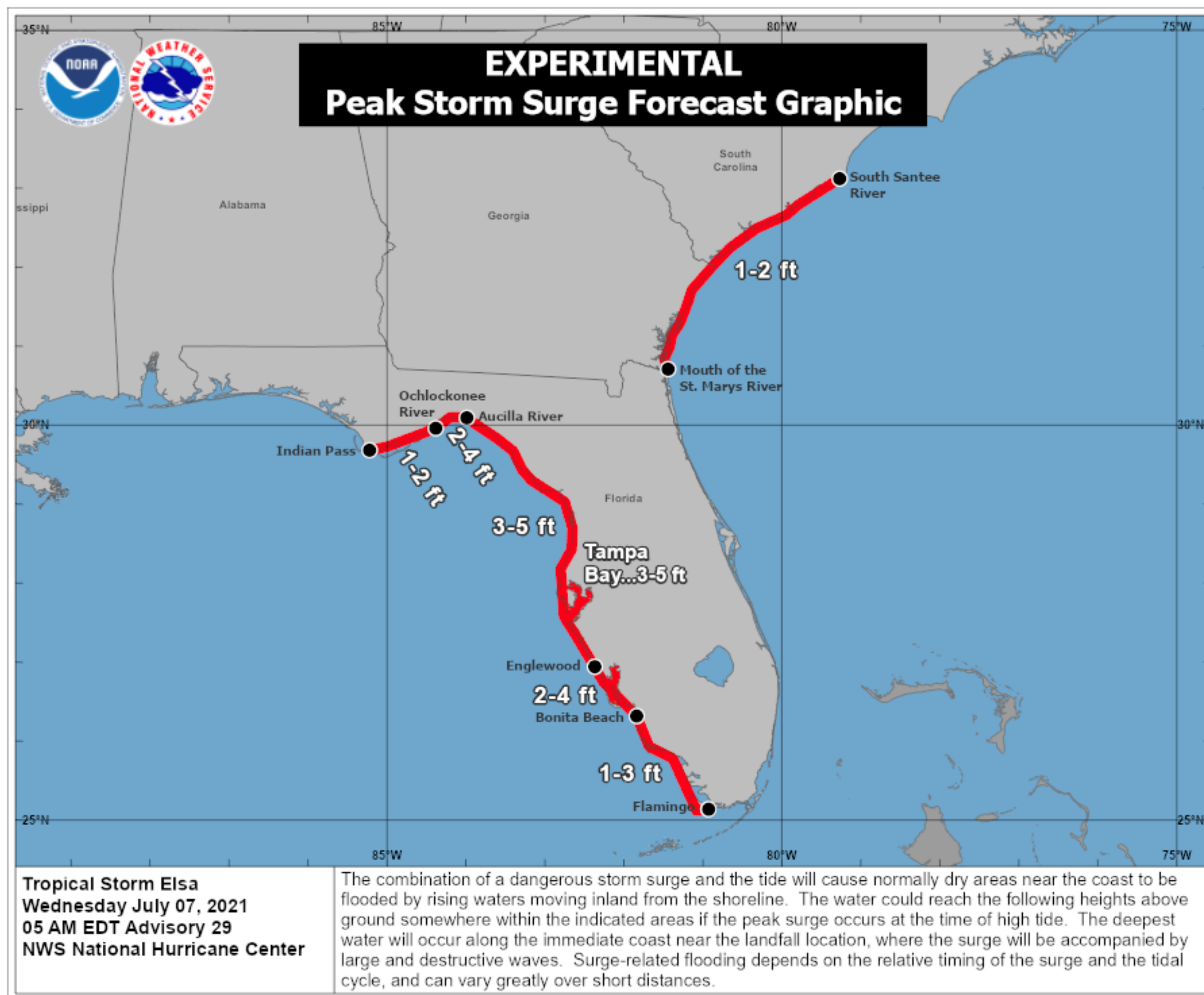


Potential Peak Storm Surge / Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Elsa



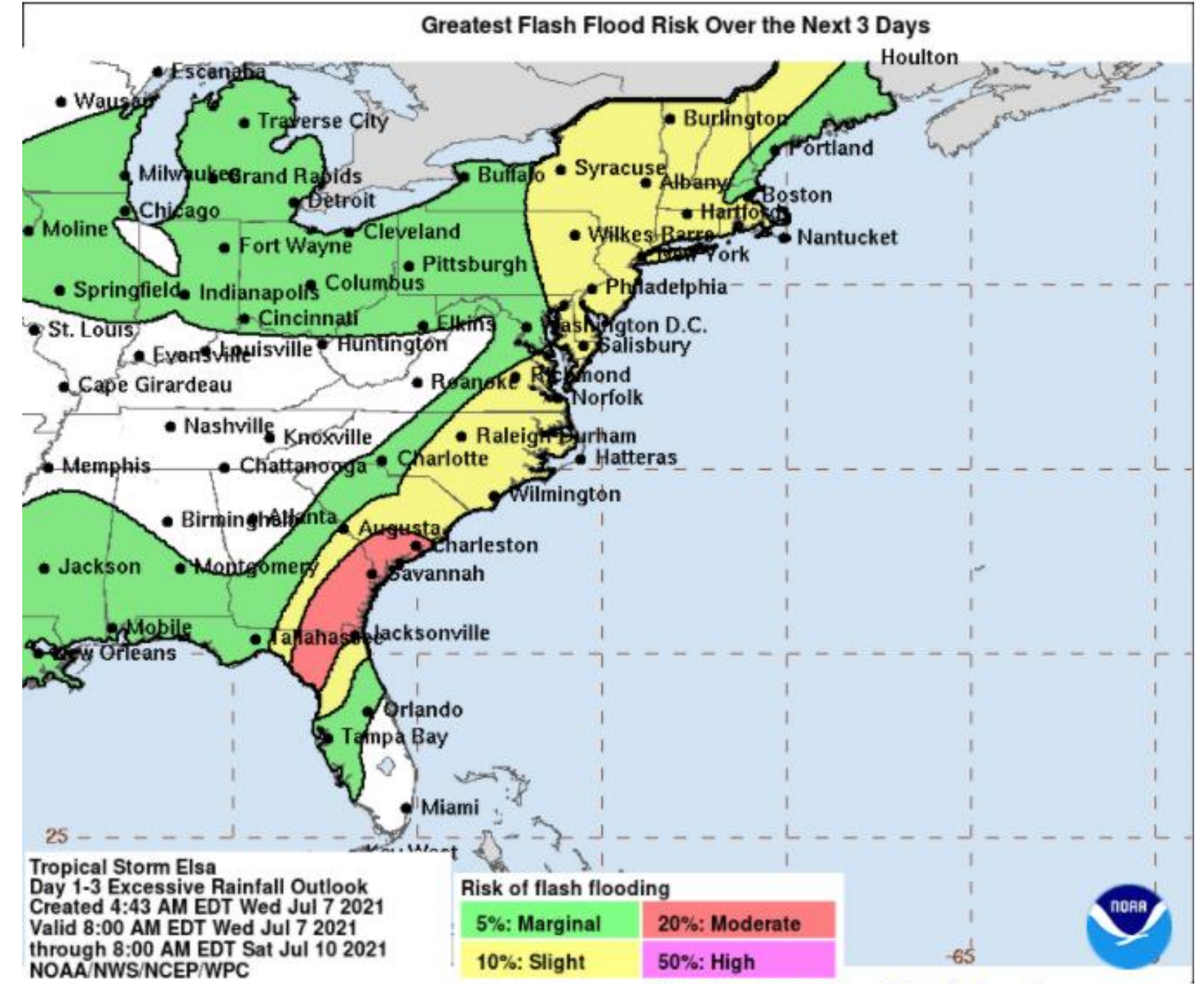
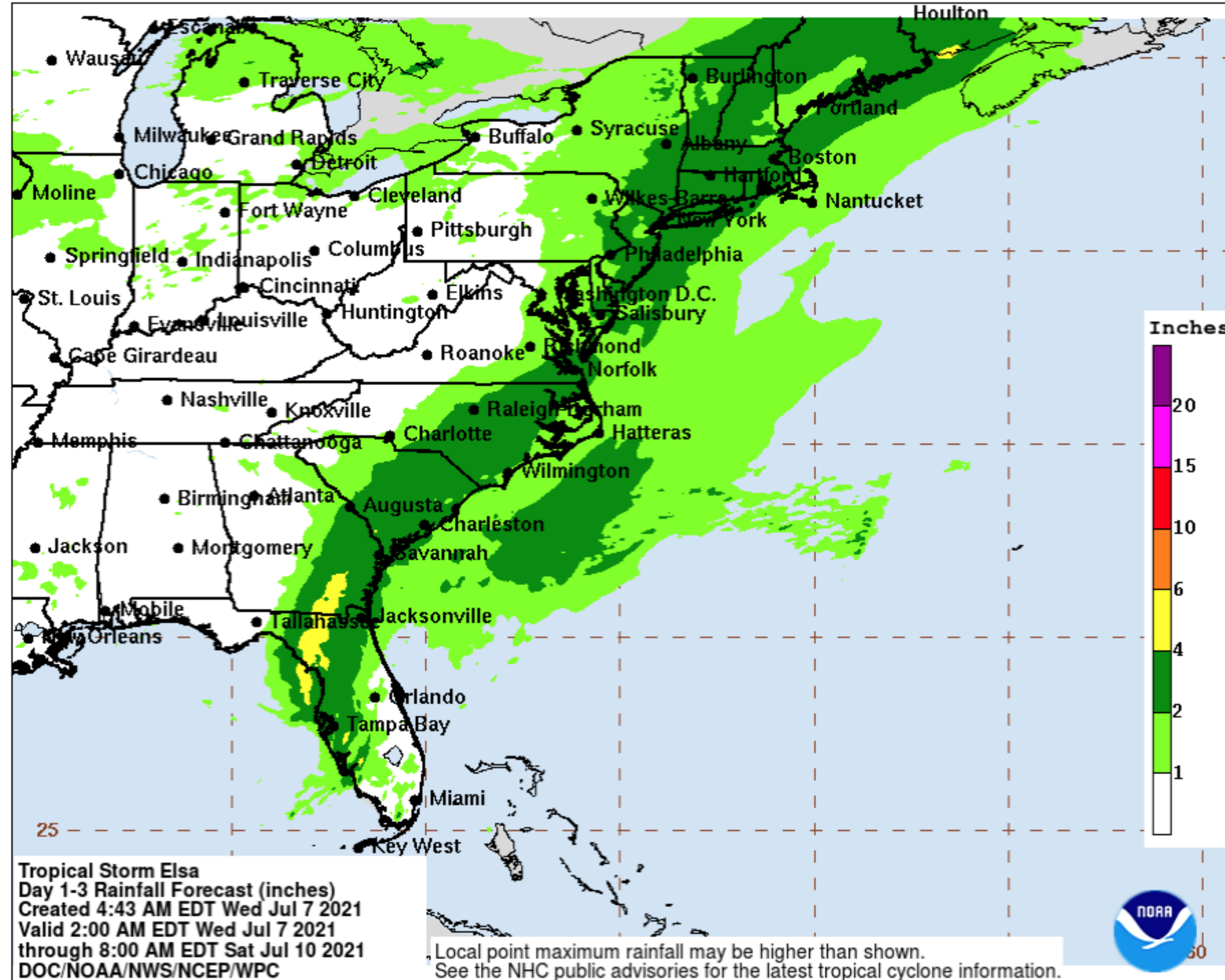
- Potential storm surge is represented in feet above the ground at any given point.

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.

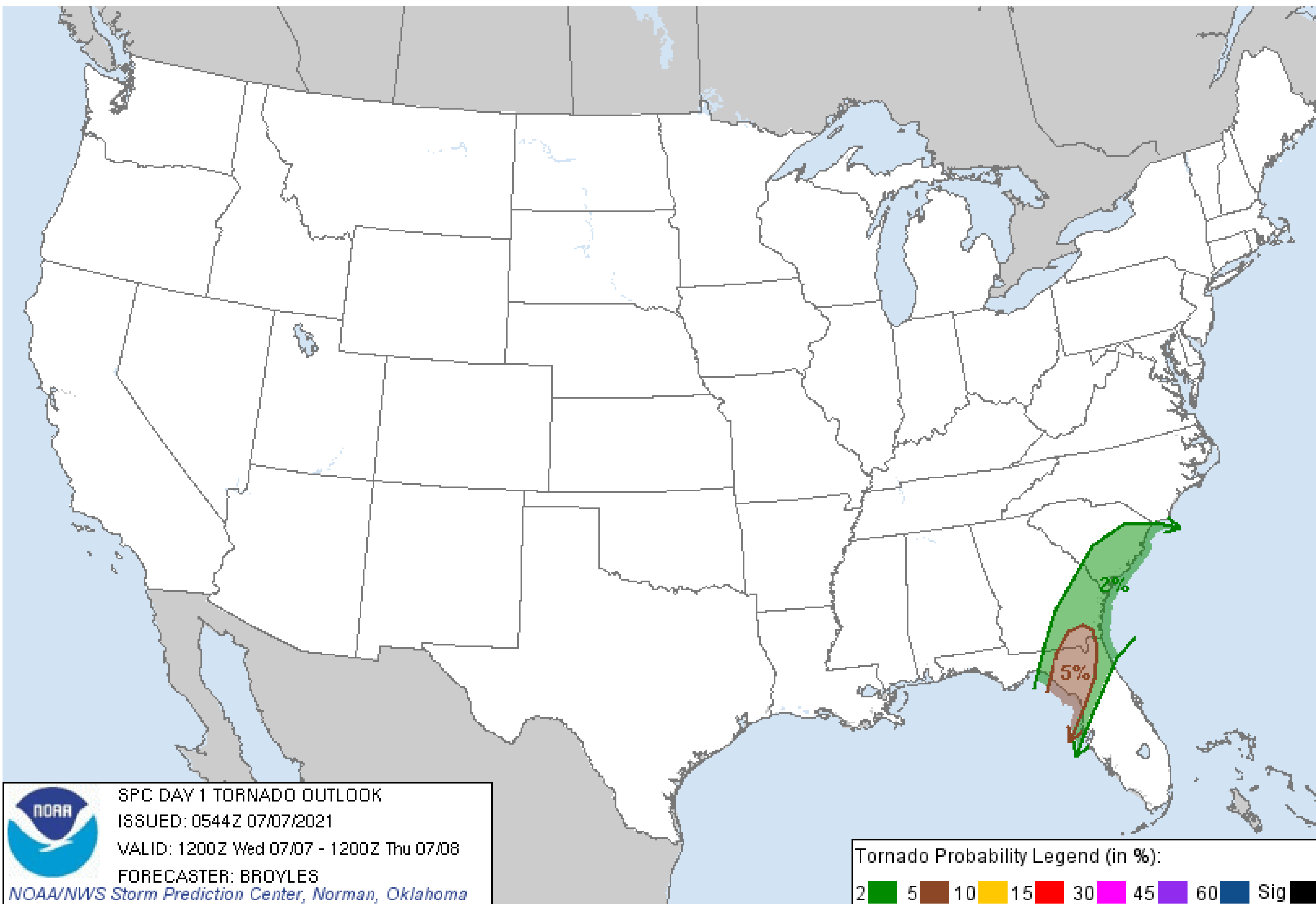
Refer to map legend for Valid Time

Tornado Outlook – Day 1

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center





Tornado threat to continue as
Elsa moves across N Florida

Key Messages

Tropical Storm Elsa




Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Tropical Storm Elsa

Advisory 29: 5:00 AM EDT Wed Jul 07, 2021

- As Elsa moves across the western and northern Florida Peninsula today, heavy rainfall may result in considerable flash, urban, and isolated moderate river flooding. Heavy rainfall across southeast 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. Heavy rainfall across the Northeast and New England Thursday and Friday could lead to isolated flash and urban flooding.
- There is a danger of life-threatening storm surge along portions of the west coast of Florida today, and a Storm Surge Warning is in effect for that area.
- Hurricane conditions are possible during the next several hours along a portion of the west coast of Florida, where a Hurricane Warning is in effect. Tropical storm conditions are occurring across portions of the western Florida peninsula and will continue to spread northward along the west coast of the state within the warning area through today.
- Although the center of Elsa is expected to remain inland of the coastline from Georgia through the Carolinas during the next day or two, tropical storm conditions are expected along much of the coasts of Georgia and South Carolina. Tropical storm conditions are also possible along the coast of the mid-Atlantic state by Thursday night or Friday.

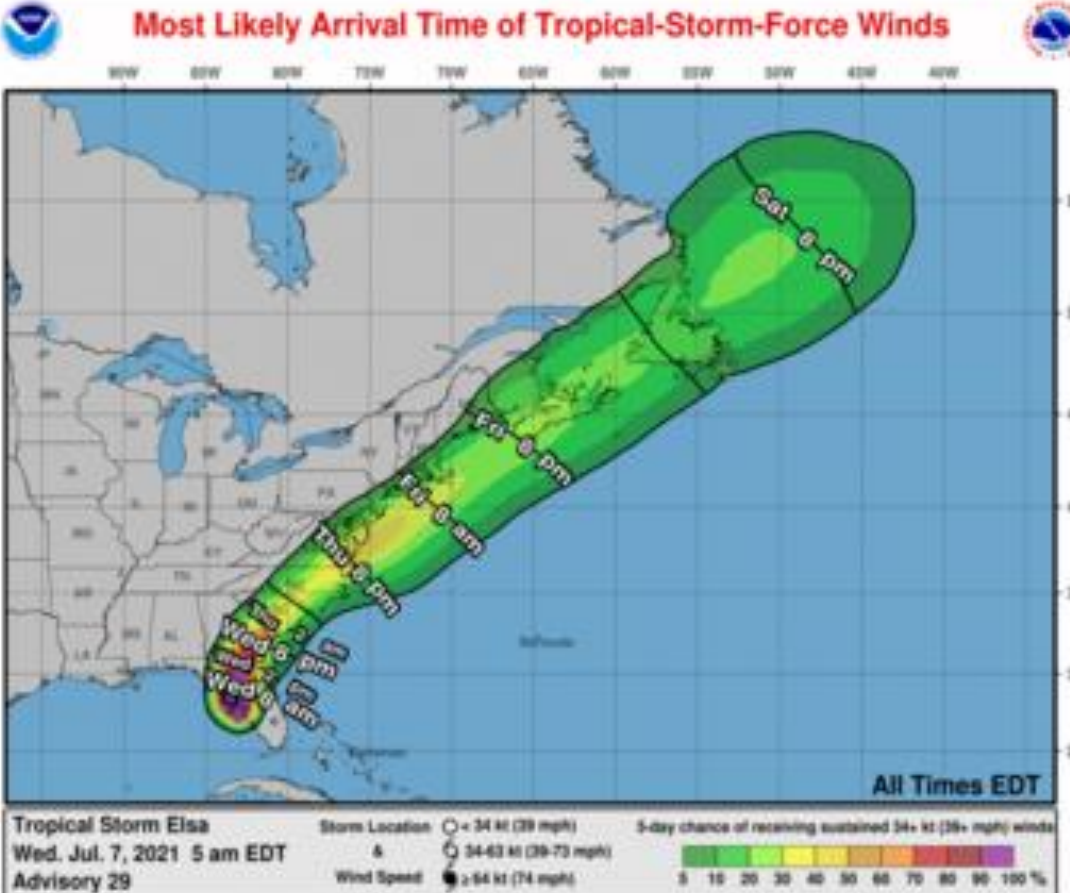


Tropical Storm Elsa
Wednesday July 07, 2021
5 AM EDT Advisory 29
NWS National Hurricane Center

Current information: x
Center location 28.5 N 83.5 W
Maximum sustained wind 65 mph
Movement N at 14 mph

Forecast positions:
● Tropical Cyclone ○ Post-Potential TC
Sustained winds: D < 39 mph
S 39-73 mph H 74-110 mph M > 110 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
Wed. Jul. 7, 2021 5 am EDT
Advisory 29

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

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

All Times EDT

For more information go to hurricanes.gov

- Tropical Storm conditions currently impacting the NE Gulf waters will shift north and northeastward across N Florida today, with marine conditions quickly improving across the NE Gulf water this afternoon through evening.
- Elsa has a low chance to strengthen to a hurricane before making landfall this afternoon.
- Winds of 35-55 kt and seas 10-14 ft are expected to accompany the E semicircle of Elsa as it moves N along the W coast of Florida through landfall.



TROPICAL STORM ELSA BRIEFING

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

*The Next Briefing Will Be:
Wednesday 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