

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Moderate

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - High

TROPICAL STORM ELSA BRIEFING



4:00 PM EST
Saturday, July 3, 2021

Prepared by:

Scott Stripling

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

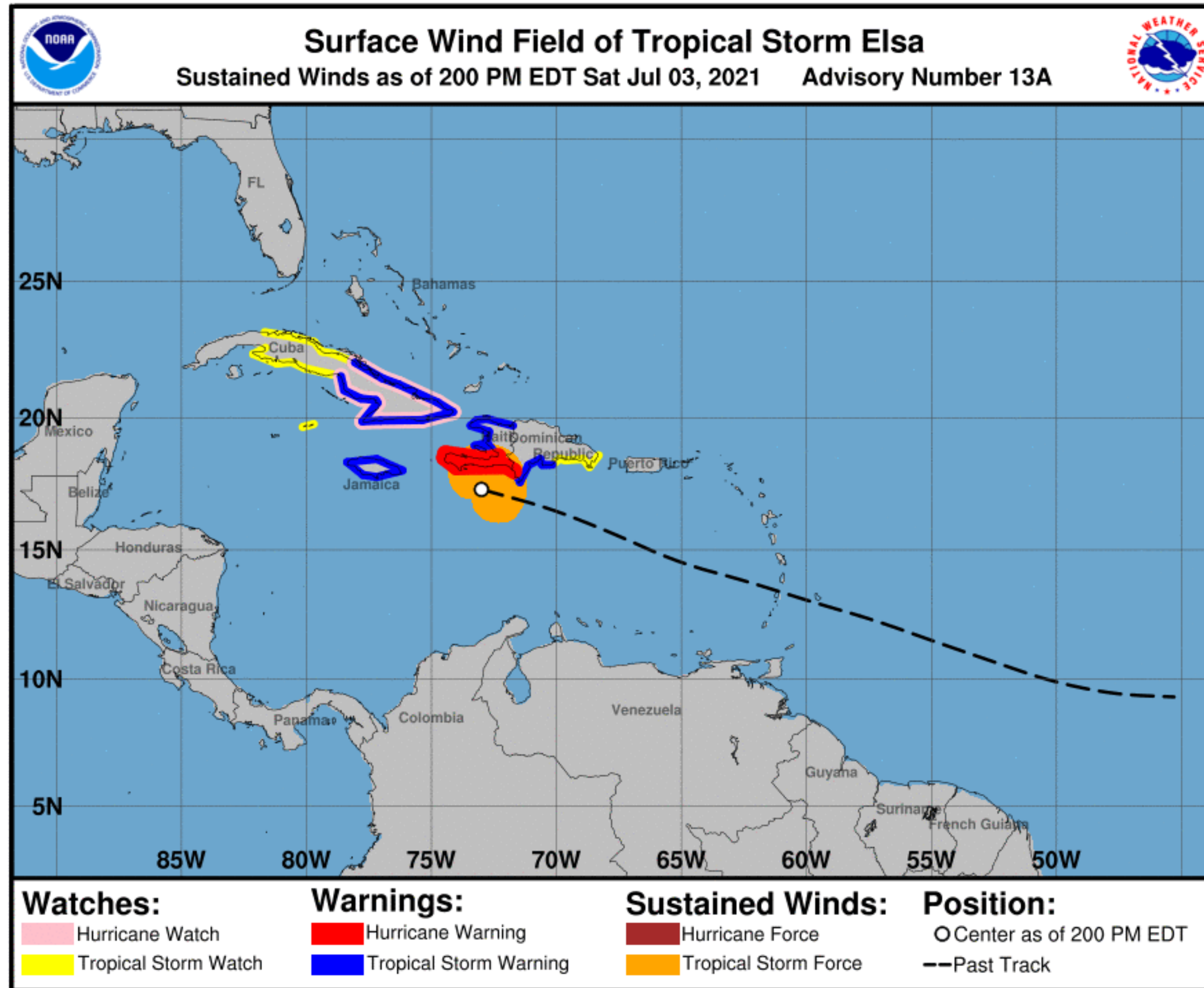


Situation Overview

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Elsa Approaching the Southwestern Peninsula of Haiti...

Summary of 200 PM EDT... 1800 UTC... Information

Location... 17.3N 73.0W

About 85 nm... WSW of Isla Beata Dom Rep

About 220 nm... E of Kingston Jamaica

Maximum Sustained Winds... 60 kt

Present Movement... 295 degrees at 25 kt

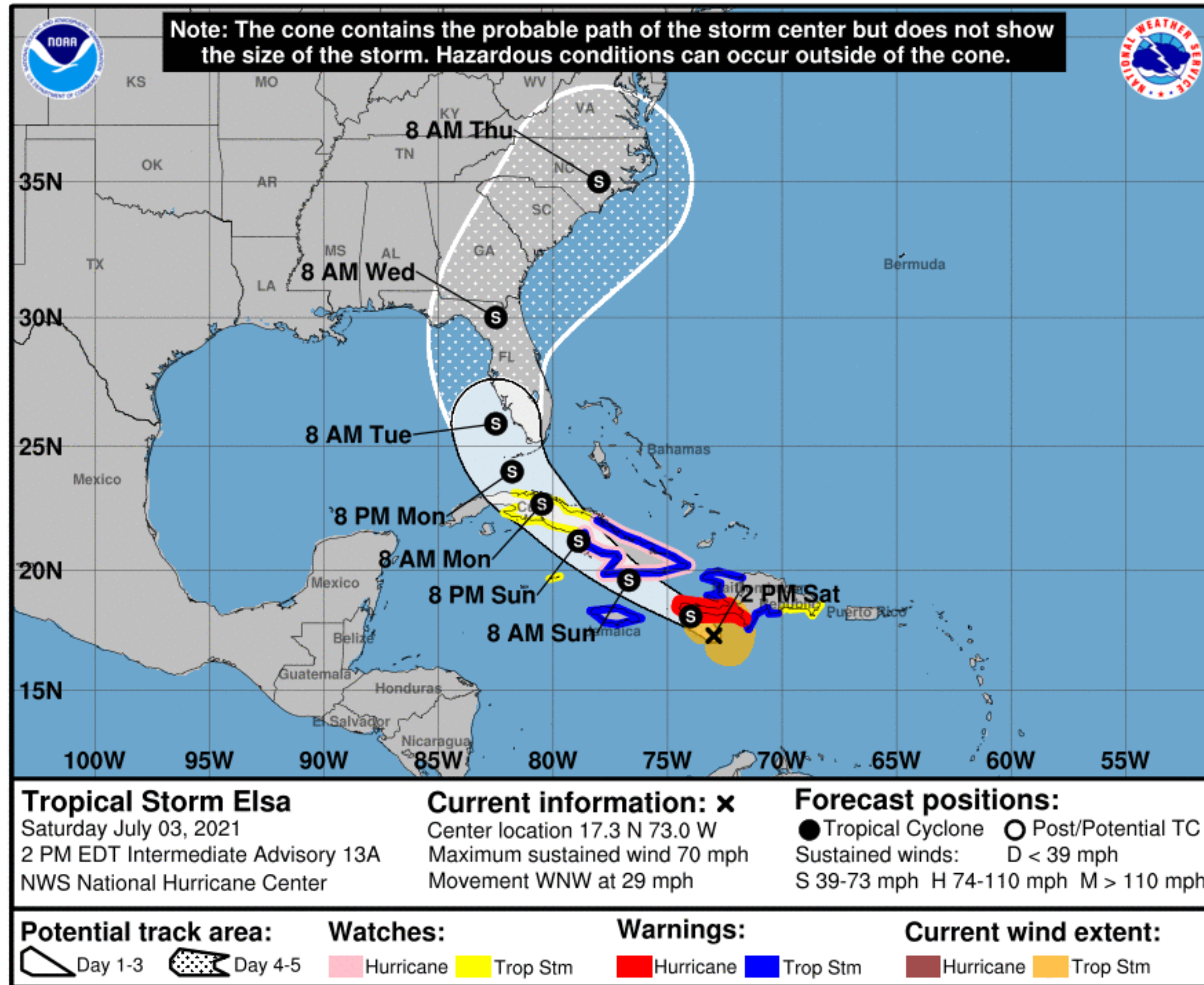
Minimum Central Pressure... 1002 mb

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 expected to move across SW peninsula of Haiti this evening
- Tropical storm conditions, and large seas expected across the approach to the Windward Passage this evening and tonight and shifting into eastern Cuba early Sunday
- 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

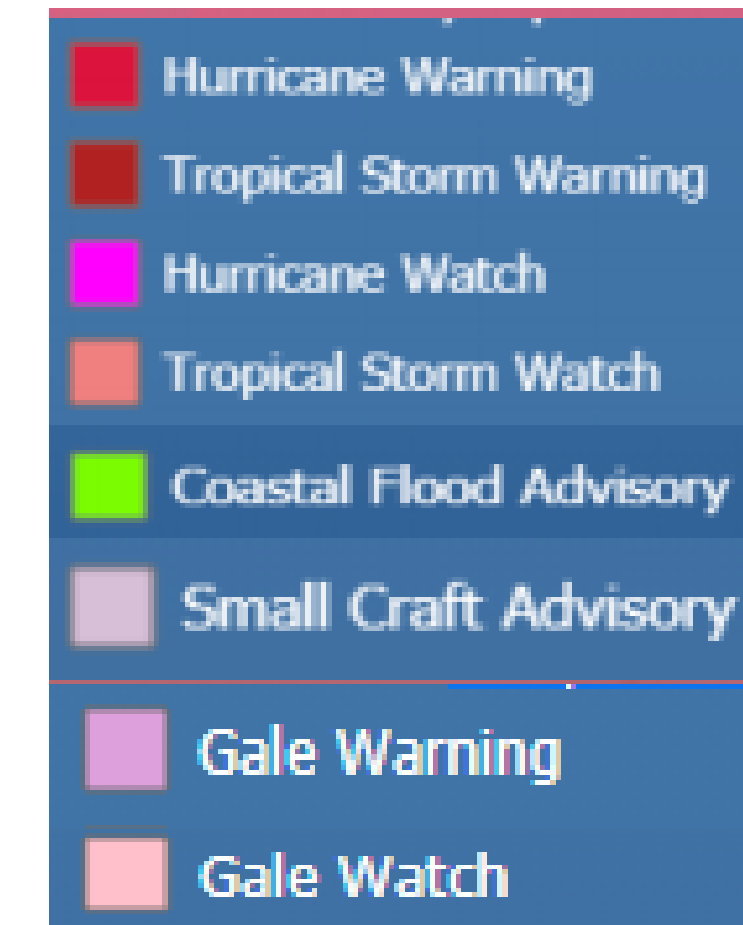
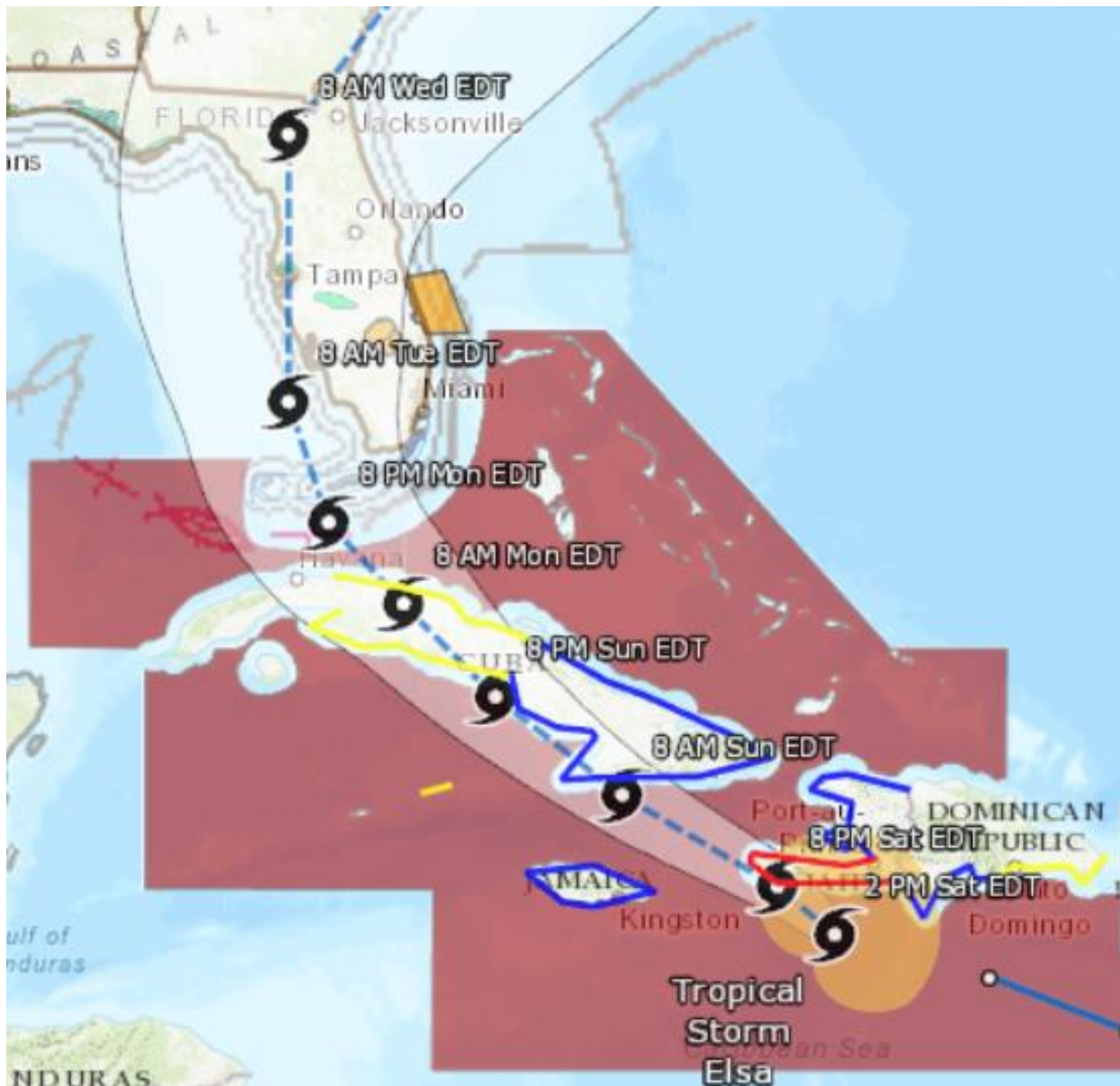
** Swaths are calculated using 67th percentile errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



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

Current Satellite View

Tropical Storm Elsa

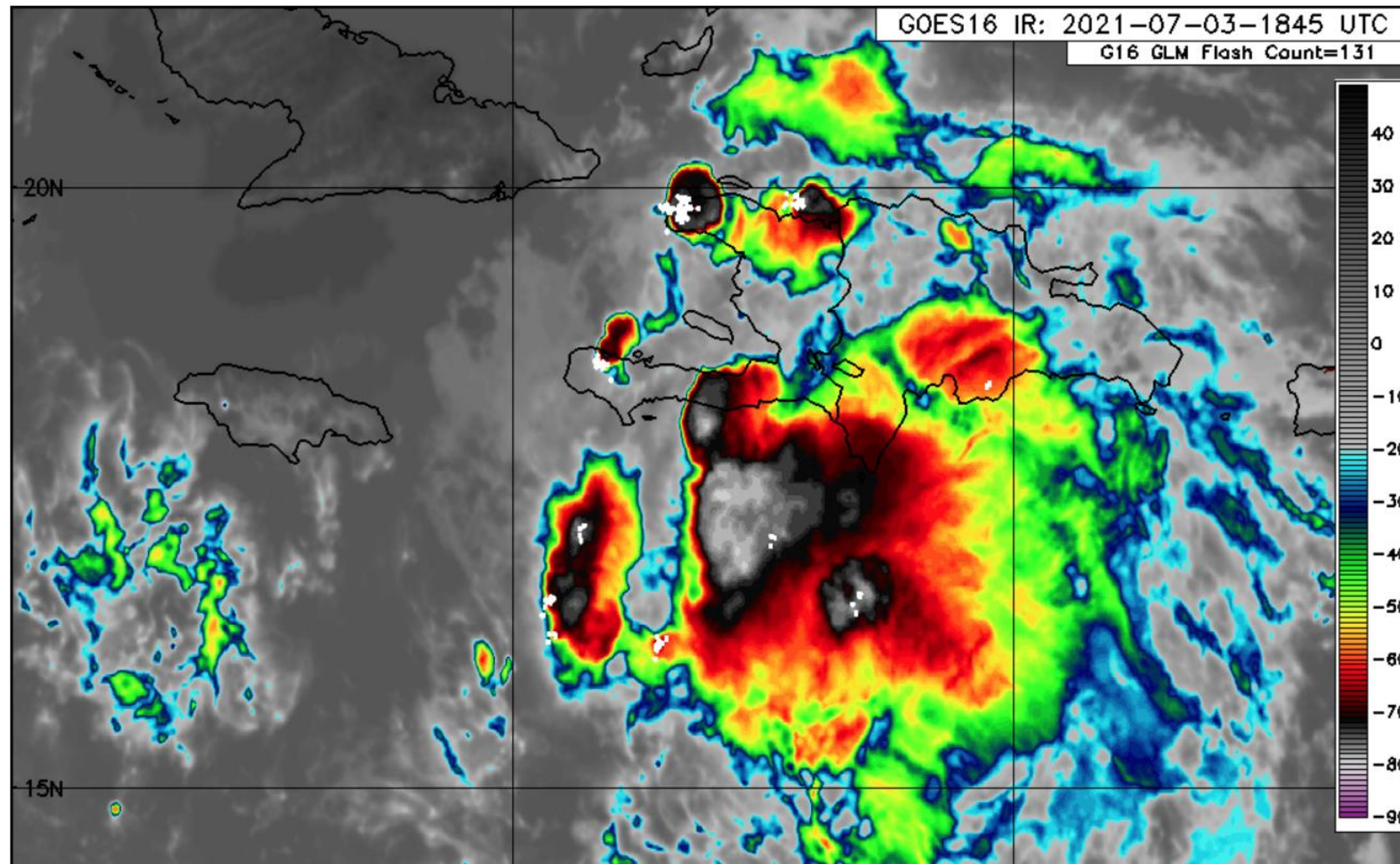


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

...Elsa rapidly approaching SW peninsula of Haiti...

Summary of 200 PM EDT... 1800 UTC... Information

Location... 17.3N 73.0W
About 85 nm... WSW of Isla Beata Dom Rep
About 220 nm... E of Kingston Jamaica
Maximum Sustained Winds... 60 kt
Present Movement... 295 degrees at 25 kt
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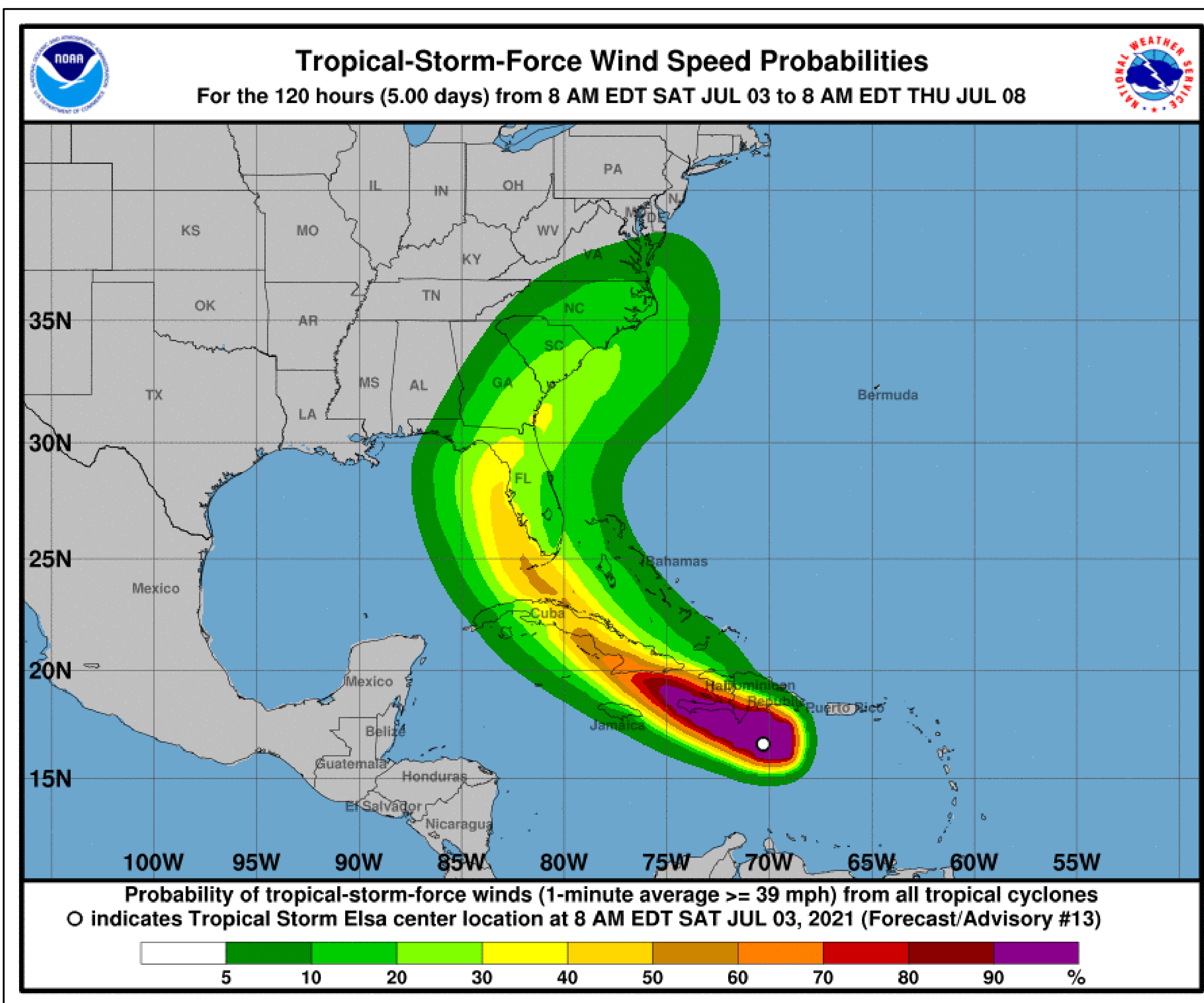


T.S. Wind Speed Probabilities

Tropical Storm Elsa



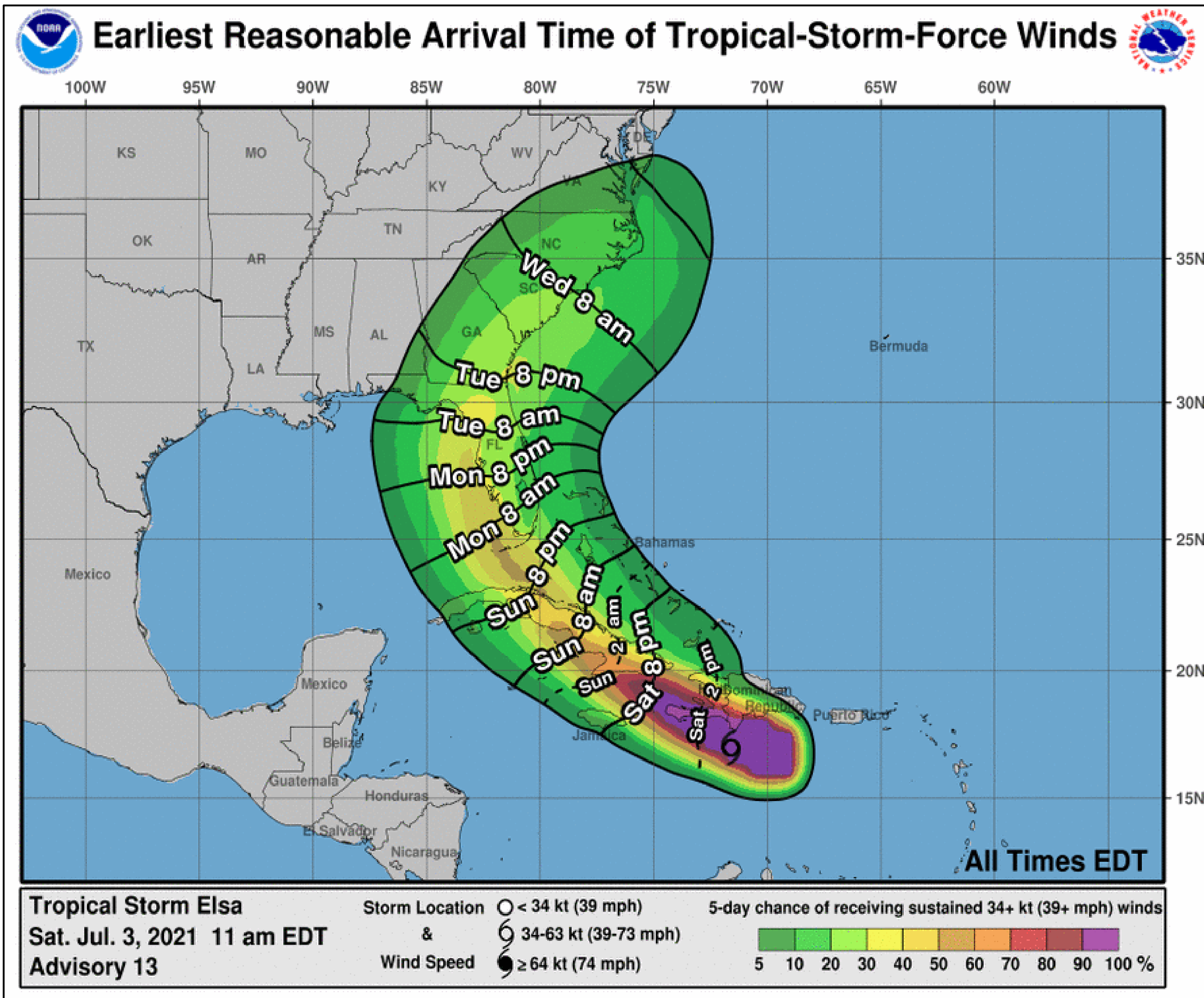
Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- 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



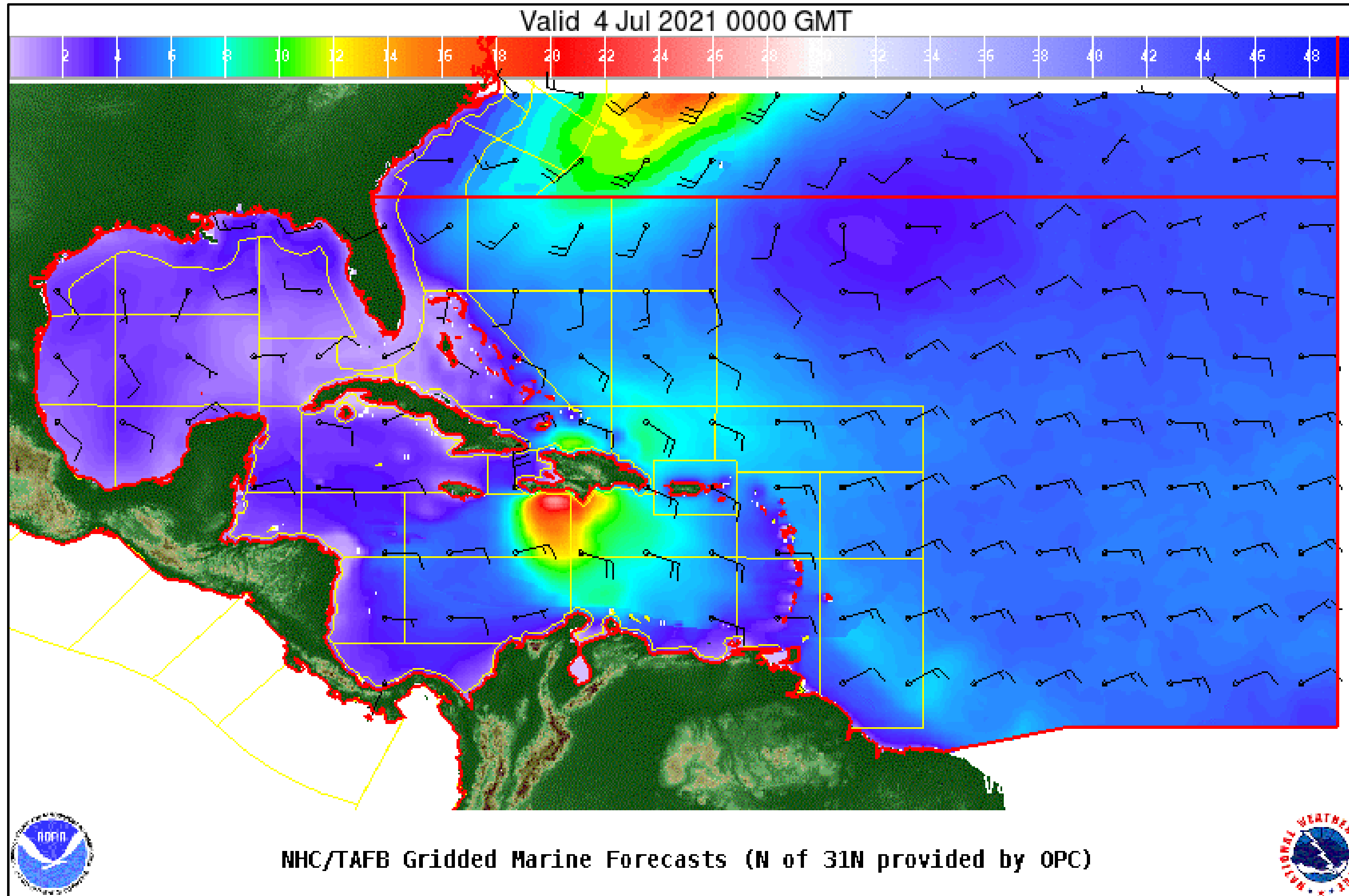
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Earliest reasonable time of arrival for TS winds across Key West area is late Sunday night-early Monday morning
- Earliest reasonable time of arrival 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

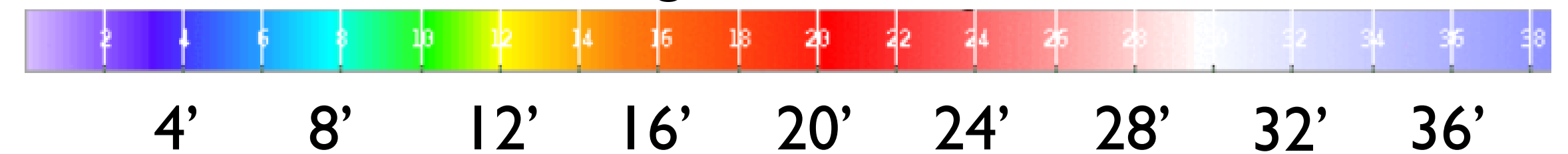


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



12 Hour Forecast
4 Jul 0000 UTC or 8 pm
Peak Winds: 60 kt
Peak Seas: 26 ft

■ Wave heights are in feet

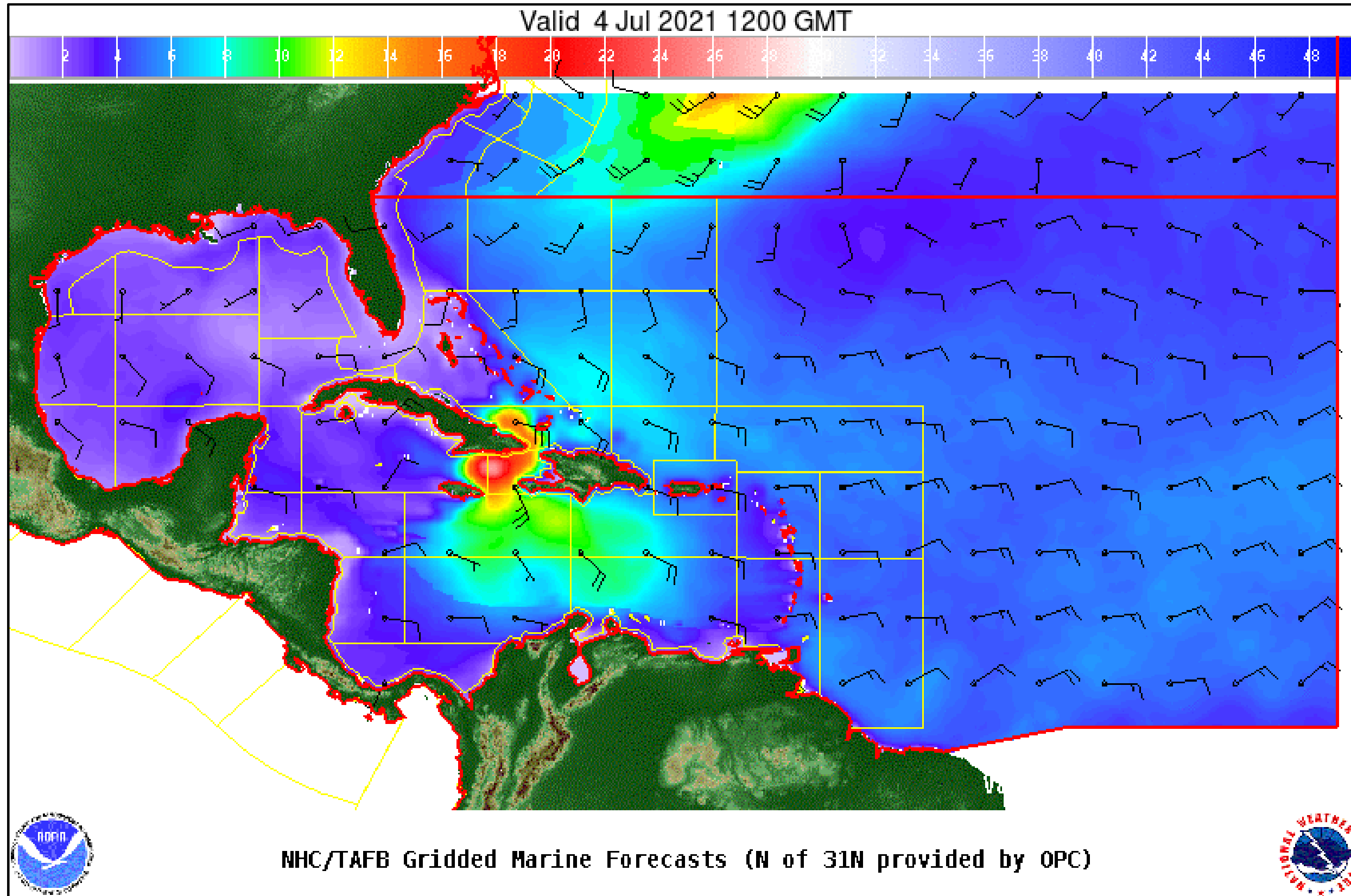


Wind And Waves

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
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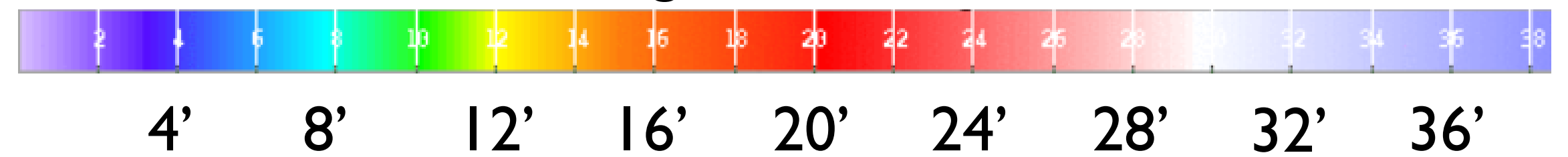
24 Hour Forecast

4 Jul 1200 UTC or 8 am

Peak Winds: 60 kt

Peak Seas: 26 ft

■ Wave heights are in feet

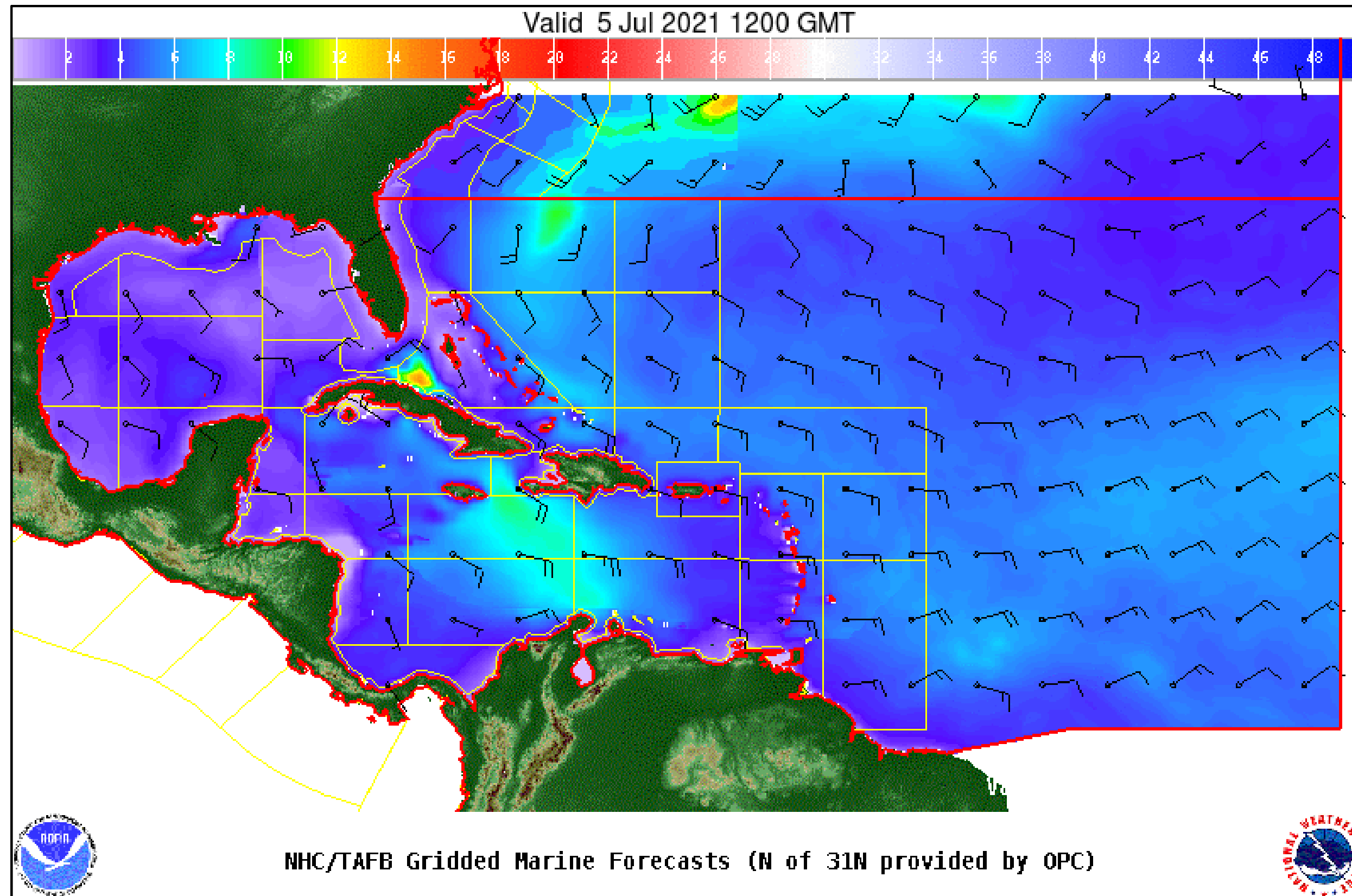


Wind And Waves

Tropical Storm Elsa



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



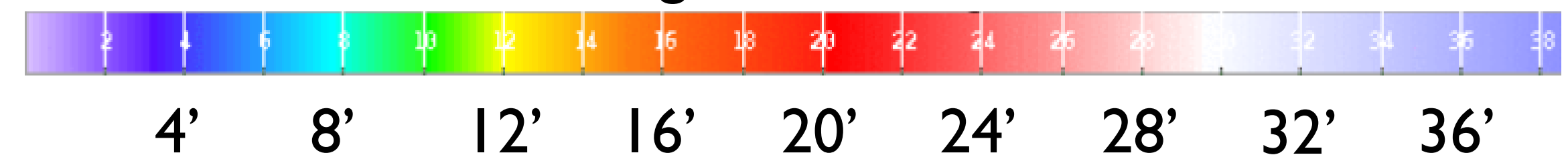
48 Hour Forecast

5 Jul 1200 UTC of 8 am

Peak Winds: 45 kt

Peak Seas: 15 ft N coast, 8 ft S coast

■ Wave heights are in feet

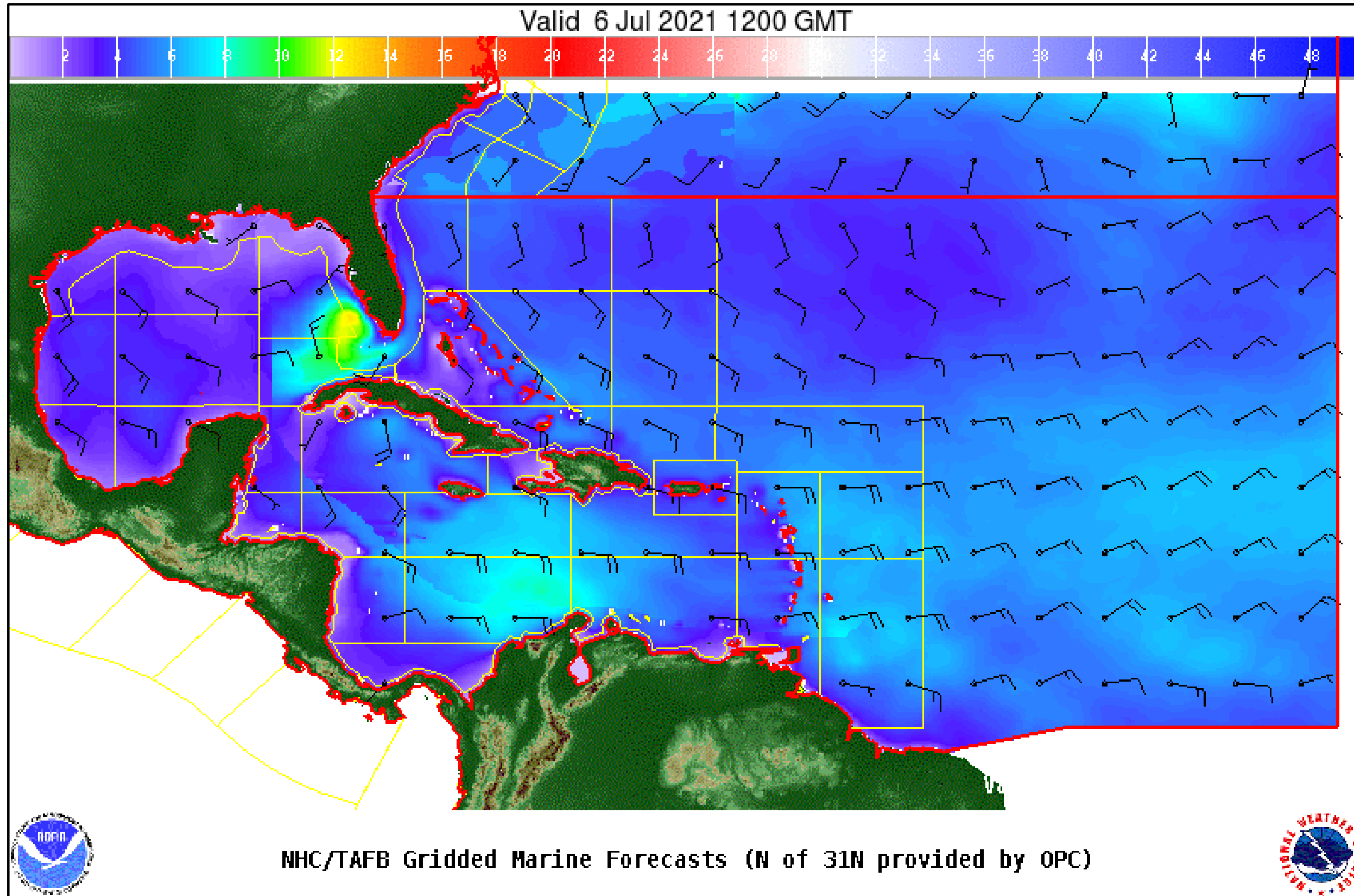


Wind And Waves

Tropical Storm Elsa



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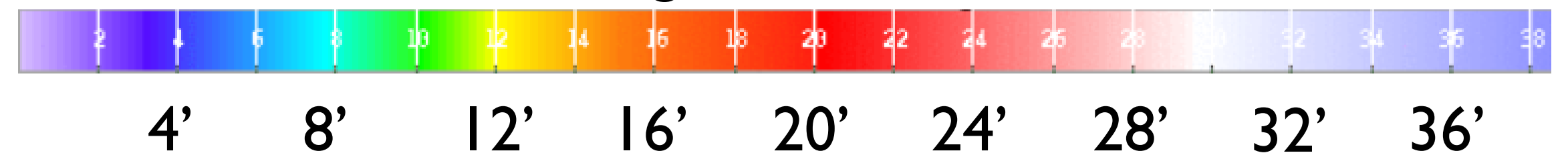
72 Hour Forecast

6 Jul 1200 UTC of 8 am

Peak Winds: 55 kt

Peak Seas: 18 ft

■ Wave heights are in feet



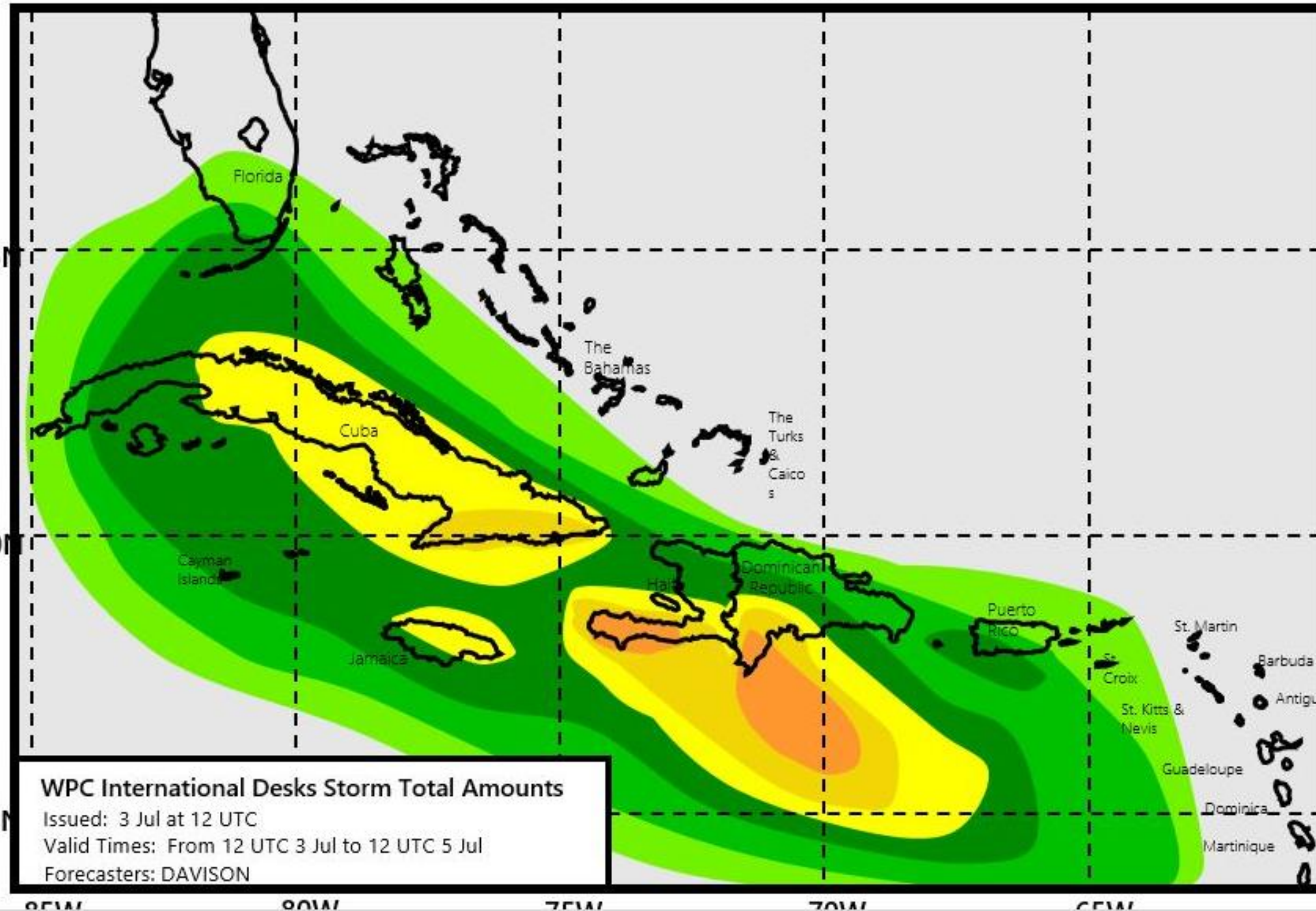
Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

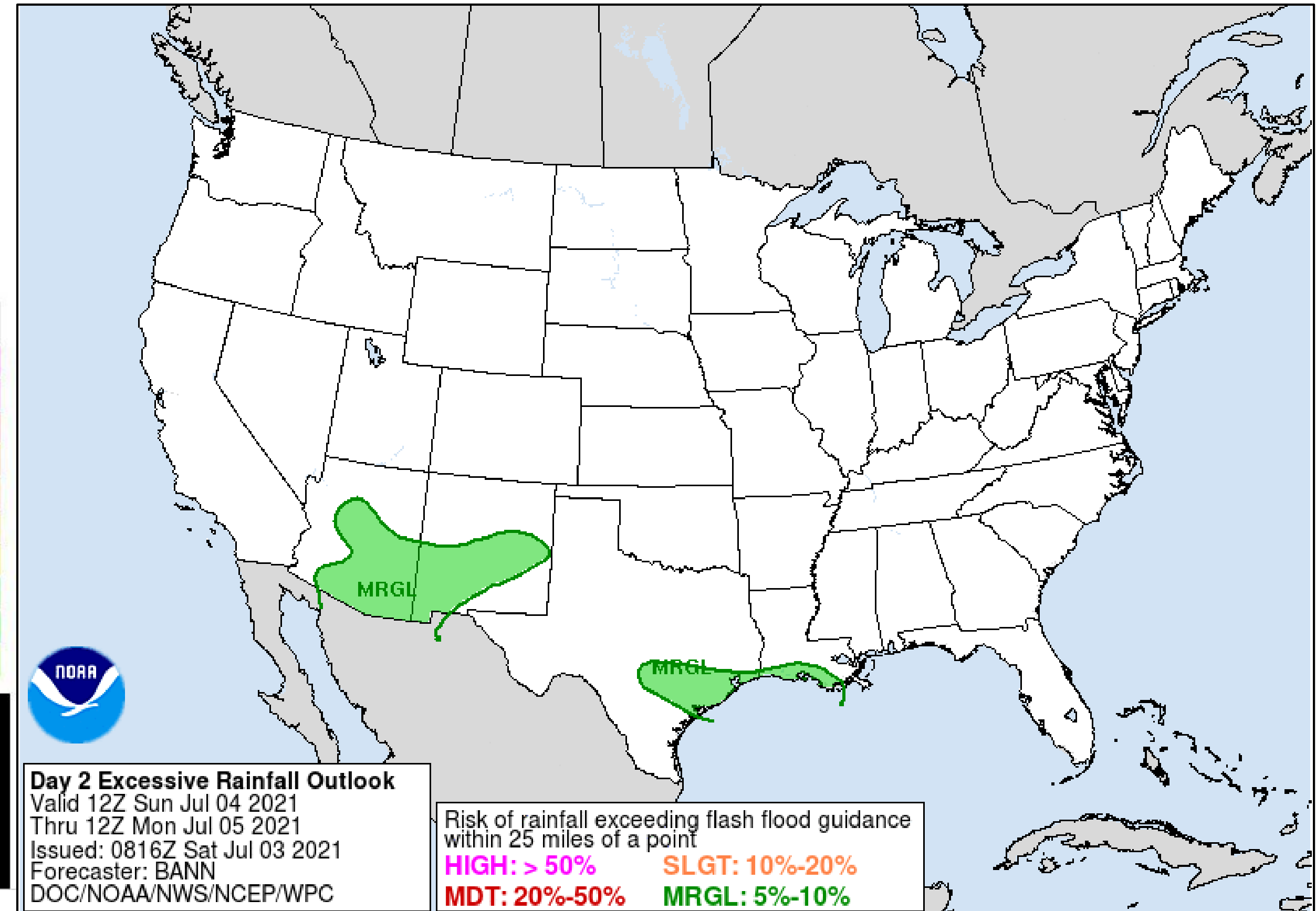
Tropical Storm Elsa

Hurricane 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



- Total rainfall in inches through 5 Jul 1200 UTC or 8 am.

Risk of rainfall exceeding flash flood guidance within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**



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 13: 11:00 AM EDT Sat Jul 03, 2021

1. A hurricane warning remains in effect for portions of Haiti and the Dominican Republic, where near-hurricane conditions and dangerous storm surge are expected through this evening.
2. Widespread heavy rain will move across southern Hispaniola and Jamaica today into Sunday where isolated to scattered flash flooding and mudslides will be possible. Heavy rain will impact the Cayman Islands and Cuba Sunday into Monday, resulting in significant flooding and mudslides over Cuba. As Elsa approaches the Florida Keys and southern Florida early next week, isolated flash flooding and minor river flooding will be possible.
3. Tropical storm conditions and dangerous storm surge are expected with hurricane conditions possible in portions of eastern Cuba beginning early Sunday, with tropical storm conditions possible in central Cuba Sunday night and Monday.
4. There is an increasing risk of tropical storm conditions, storm surge, and rainfall impacts beginning Monday in the Florida Keys and the southern Florida Peninsula. This risk will spread northward along the Florida Peninsula through Wednesday and reach 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 the islands of Hispaniola and Cuba. Interests in Florida and along the southeast U.S. coast should monitor Elsa's progress and updates to the forecast.




Tropical Storm Elsa
Saturday July 03, 2021
11 AM EDT Advisory 13
NWS National Hurricane Center

Current information: x
Center location 17.0 N 71.6 W
Maximum sustained wind 70 mph
Movement WNW at 29 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 Trop Stm
Warnings: Hurricane Trop Stm
Current wind extent: Hurricane Trop Stm



Most Likely Arrival Time of Tropical-Storm-Force Winds

Tropical Storm Elsa
Sat. Jul. 3, 2021 11 am EDT
Advisory 13

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
0 10 20 30 40 50 60 70 80 90 100 %

Wind Speed

All Times EDT

For more information go to hurricanes.gov

- High-end Tropical Storm conditions expected to reach the SW peninsula of Haiti shortly
- Large seas in excess of 20 ft to move through this area and across eastern Jamaica waters and the Windward Passage tonight
- 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 9:00 AM EST*

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



NHC_TAFB

www.nhc.noaa.gov