

**IMPACTS FOR D7 (through next 5 days)**

**Winds – High**

**Storm Surge – Low**

**Rainfall/Flash Flooding – Moderate**

**Tornadoes – Low**

**Waves - High**

# HURRICANE ELSA BRIEFING



9:00 AM EST  
Saturday, July 3, 2021

Prepared by:

**Scott Stripling**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*

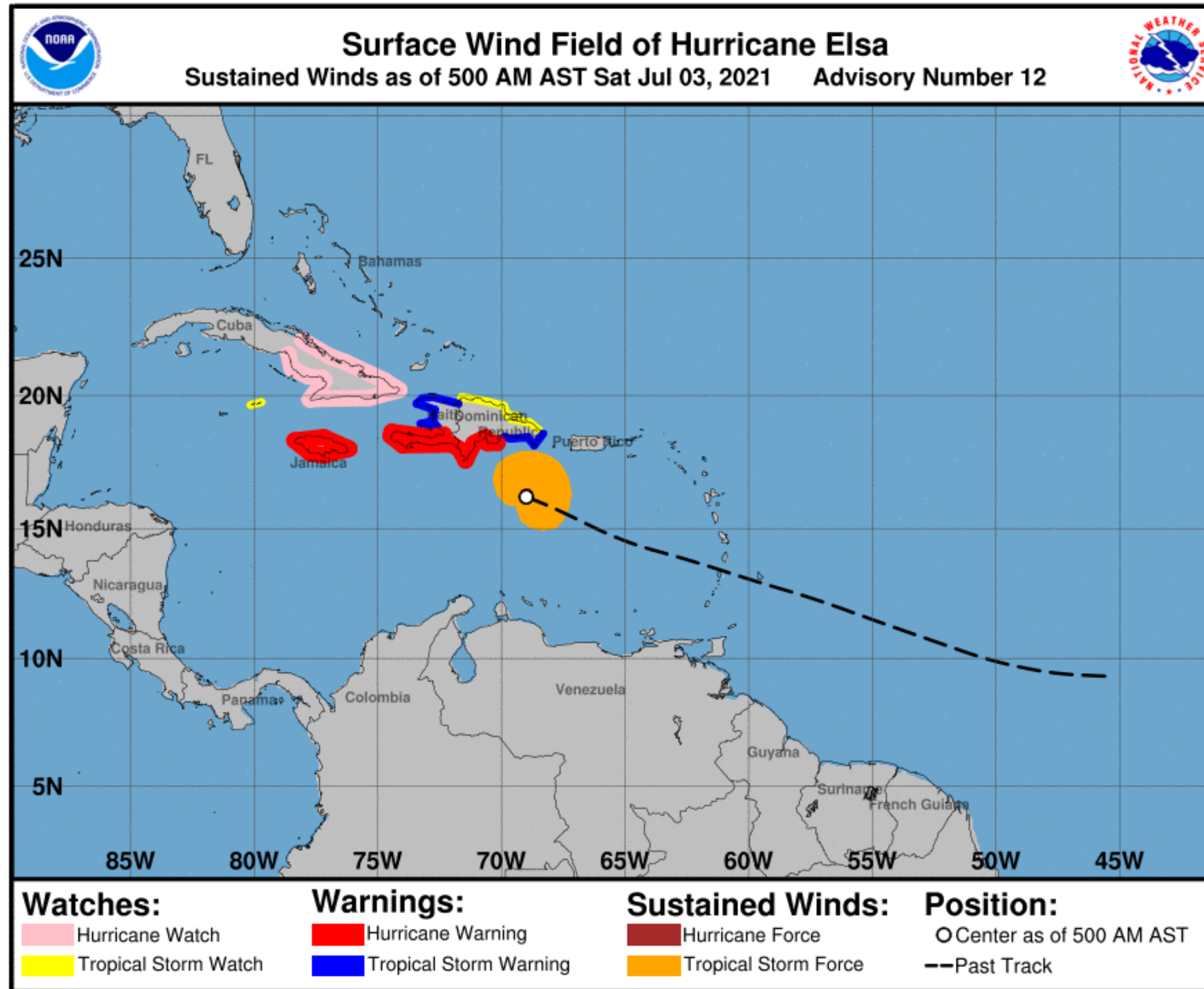


# Situation Overview

Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



...Elsa Nearing the South Coast of Hispaniola...

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

Location... 16.5N 70.3W

About 95 nm...SE of Isla Beata Dom Rep

About 385 nm...ESE of Kingston Jamaica

Maximum Sustained Winds... 65 kt

Present Movement... 290 degrees at 27 kt

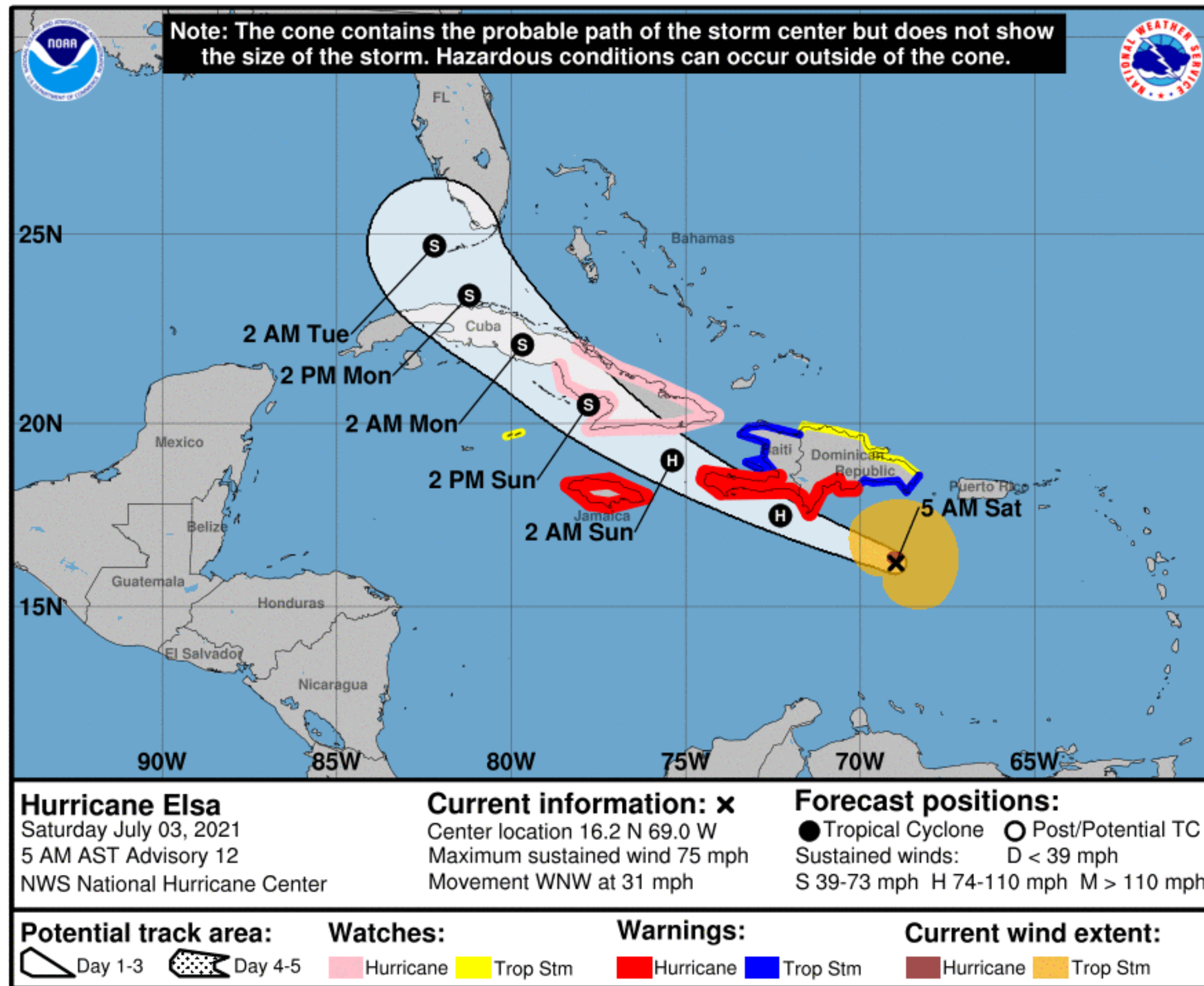
Minimum Central Pressure... 998 mb

# Forecast Information

## Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Elsa is expected to move across SW portions of Hispaniola and specifically Haiti this evening
- Elsa expected to remain a hurricane through Sunday before reaching eastern Cuba
- 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 67<sup>th</sup> percentile error added to each side of the forecast track days 4-5

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

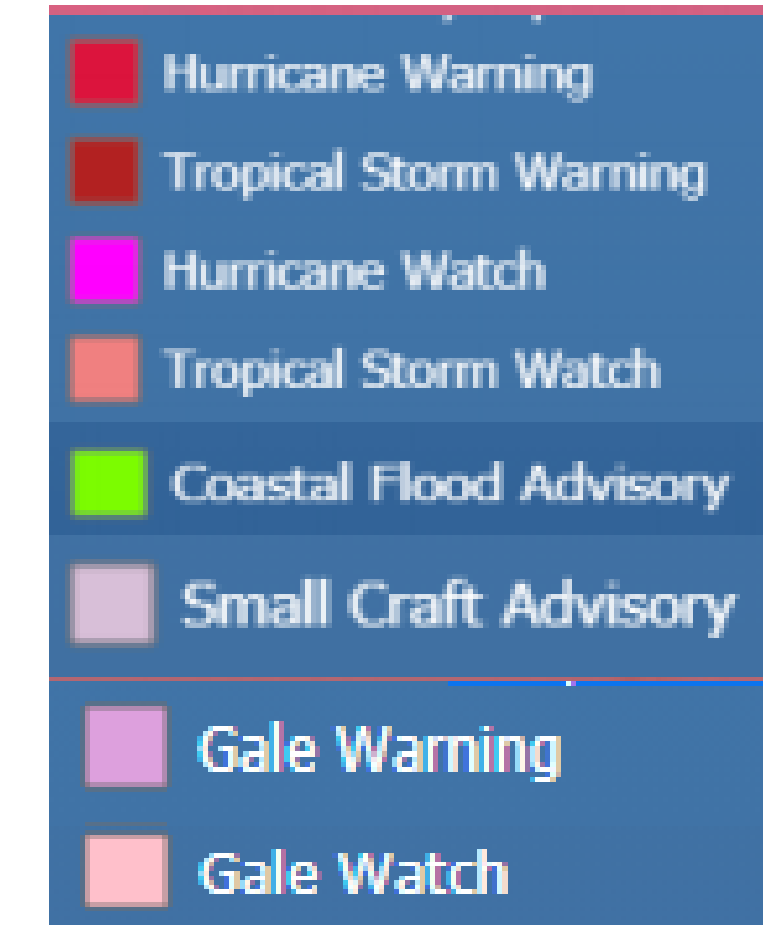
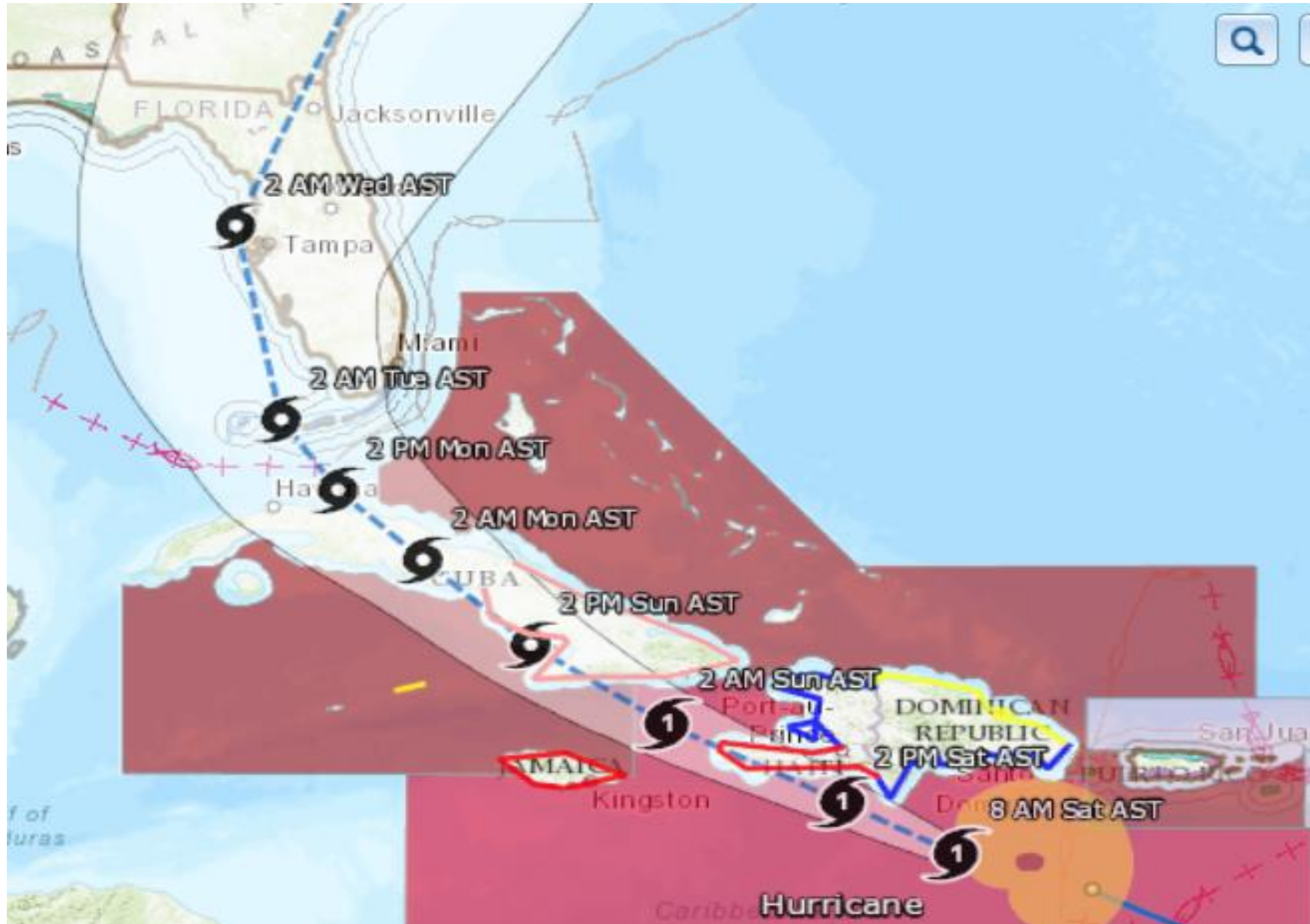
**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

# Hazards Map

Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



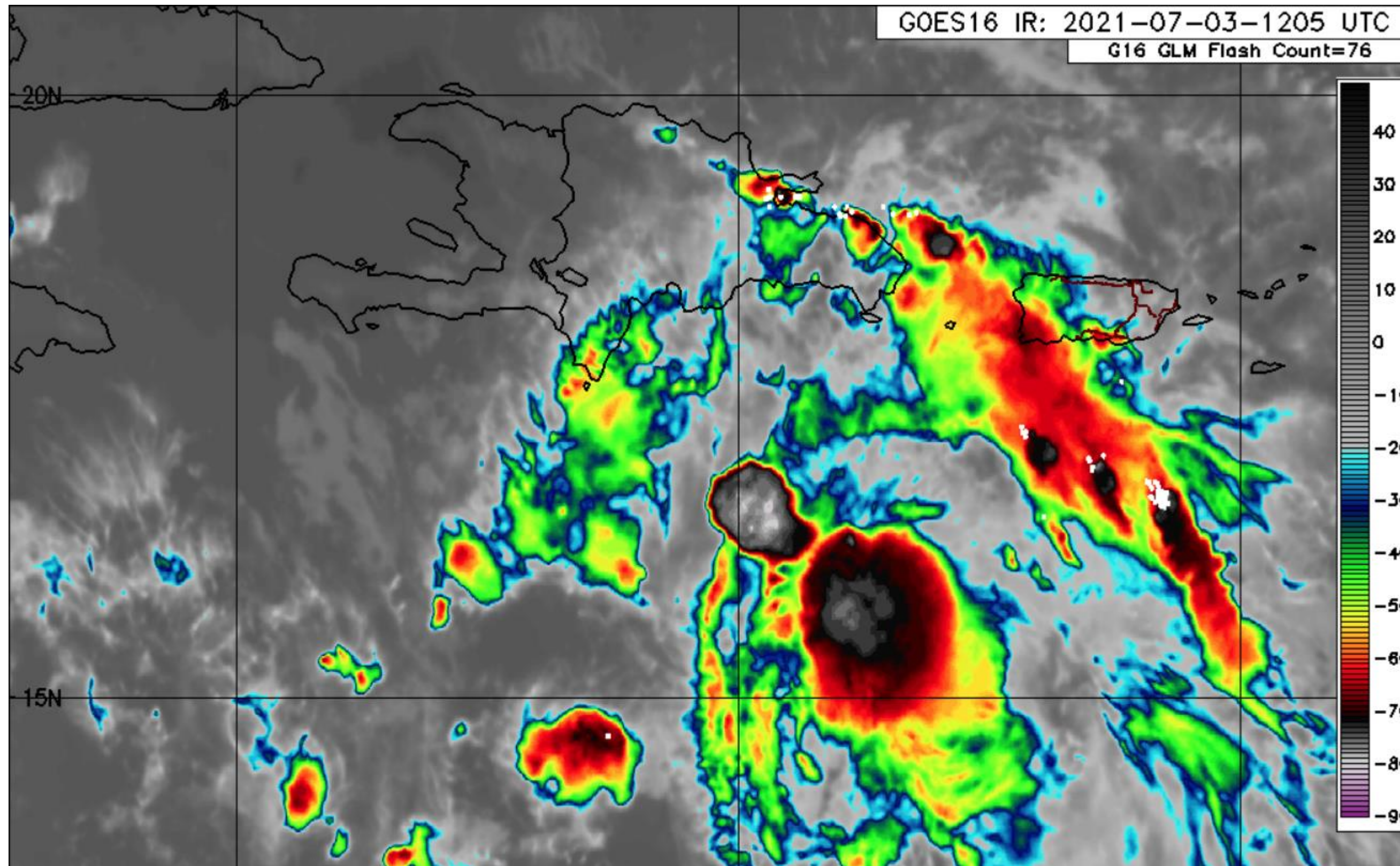
■ <https://nowcoast.noaa.gov/>

# Current Satellite View

Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



...Headline... **Elsa moving rapidly toward south coast of Hispaniola**

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

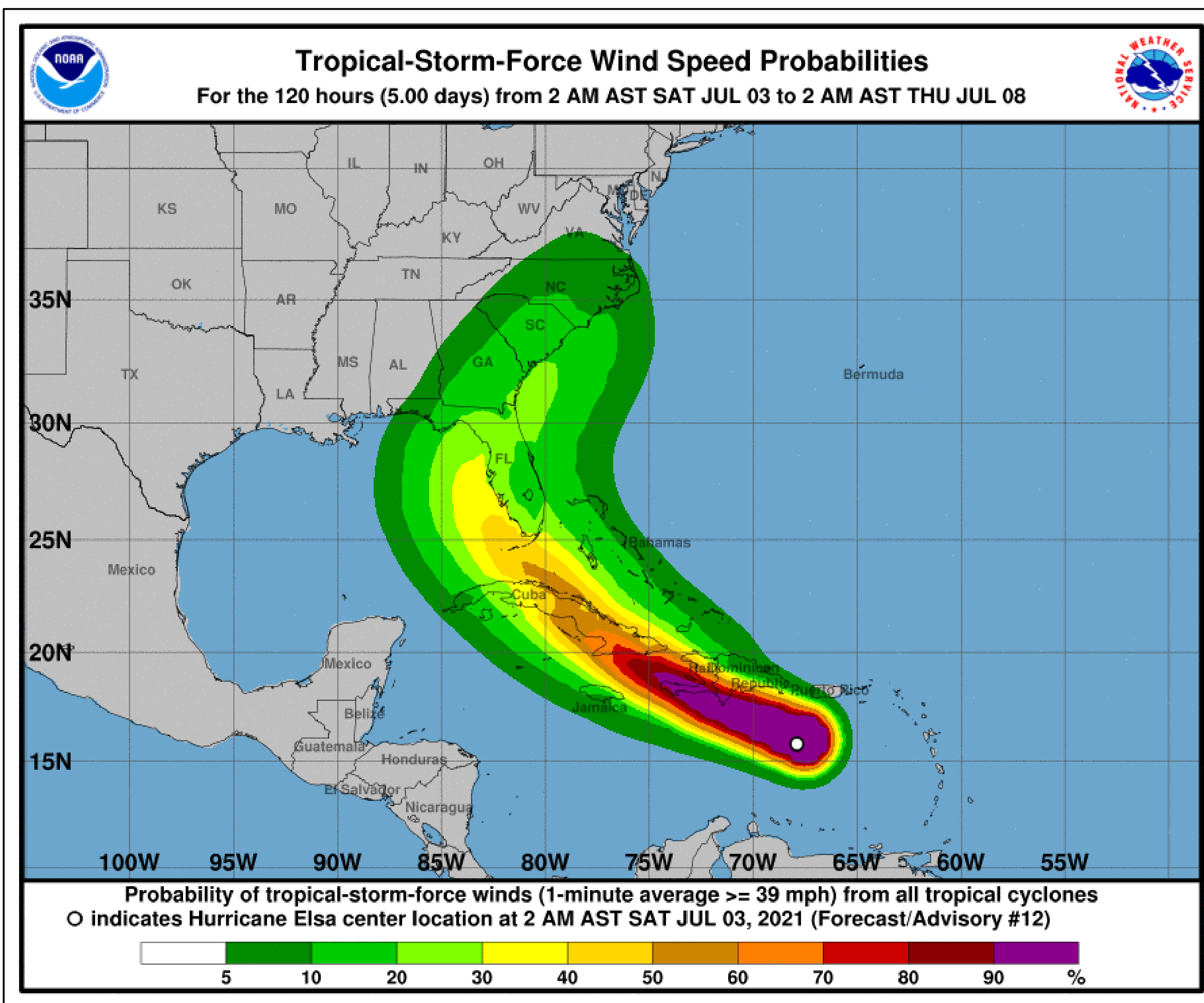
Location... 16.5N 70.3W  
About 95 nm... SE of Isla Beata Dom Rep  
About 385 nm... ESE of Kingston Jamaica  
Maximum Sustained Winds... 65 kt  
Present Movement... 290 degrees at 27 kt  
Minimum Central Pressure... 998 mb

# T.S. Wind Speed Probabilities

Hurricane Elsa



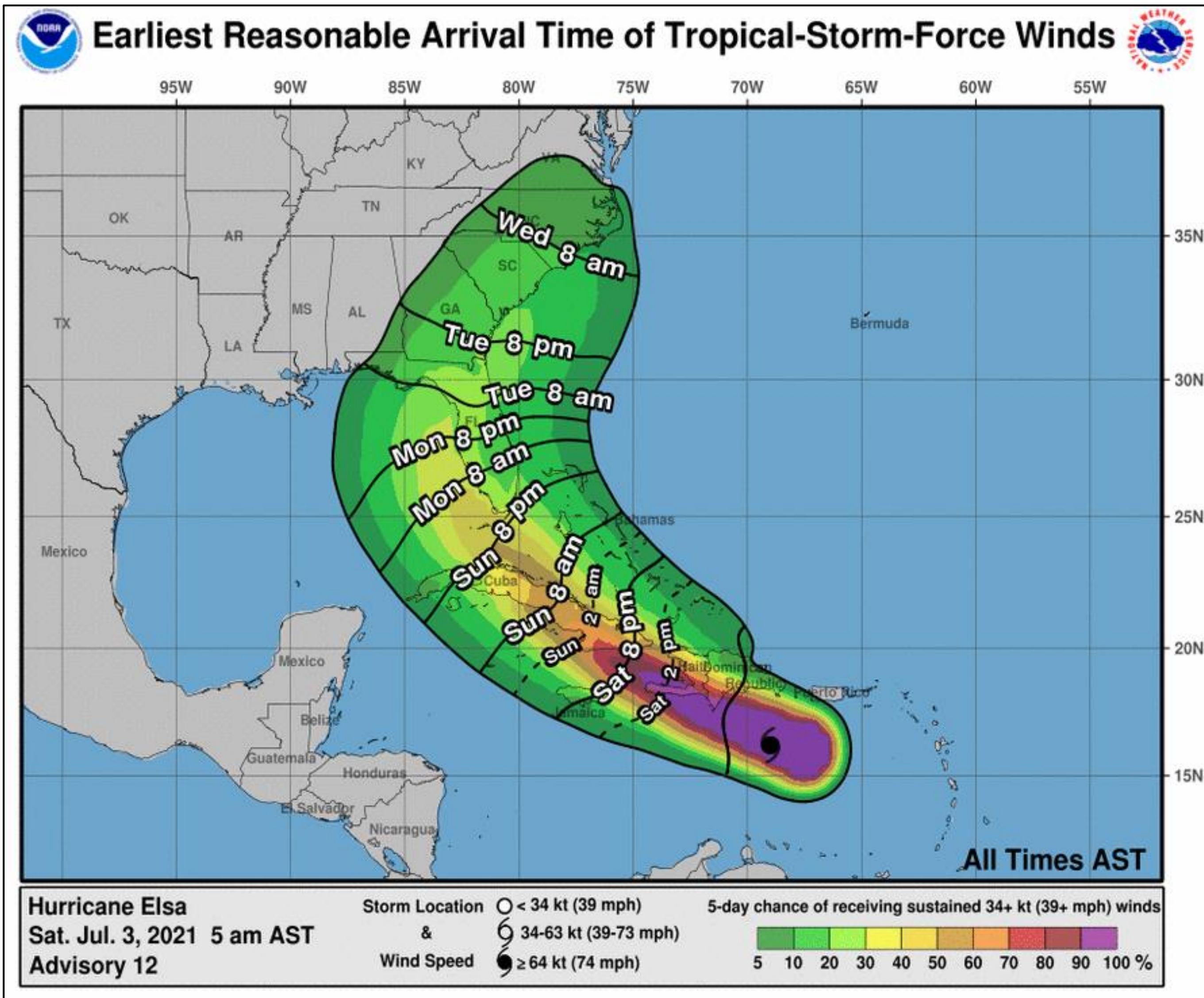
Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- **DELETE THESE BULLETS AND CREATE YOUR OWN**
- 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 Elsa



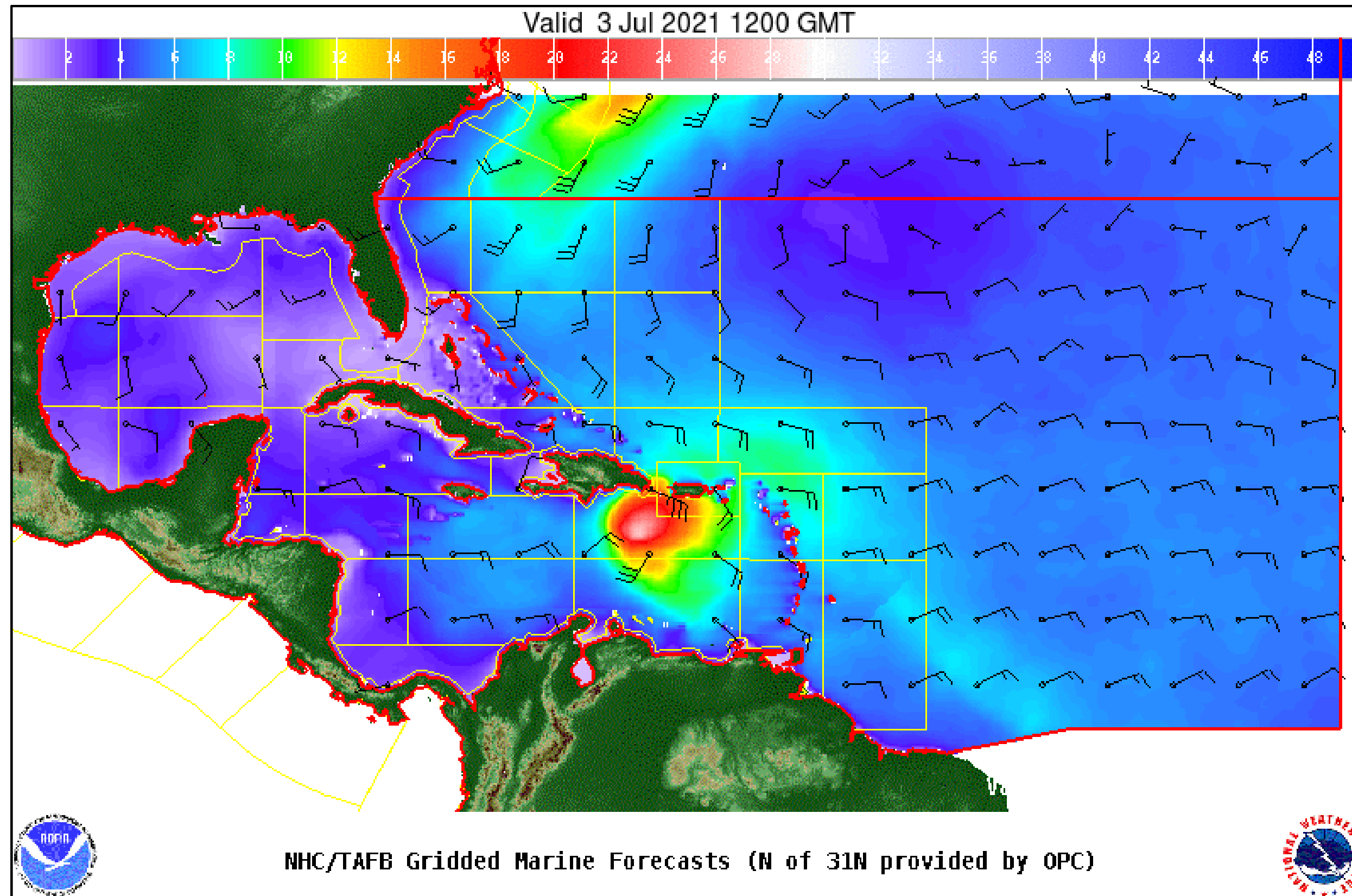
- **DELETE THESE BULLETS AND CREATE YOUR OWN**
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

# Wind And Waves

Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



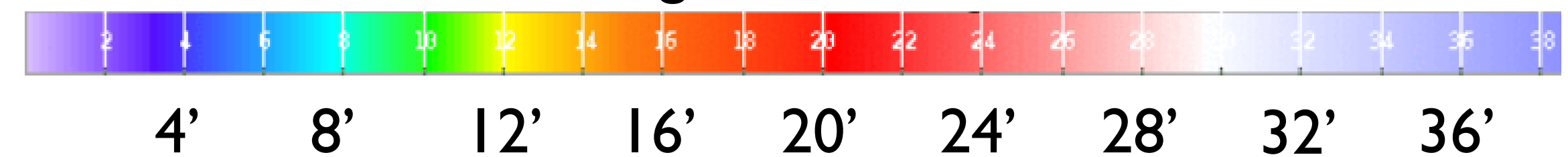
12 Hour Forecast

3 Jul 1200 UTC or 8 am

Peak Winds: 65 kt

Peak Seas: 28 ft

■ Wave heights are in feet



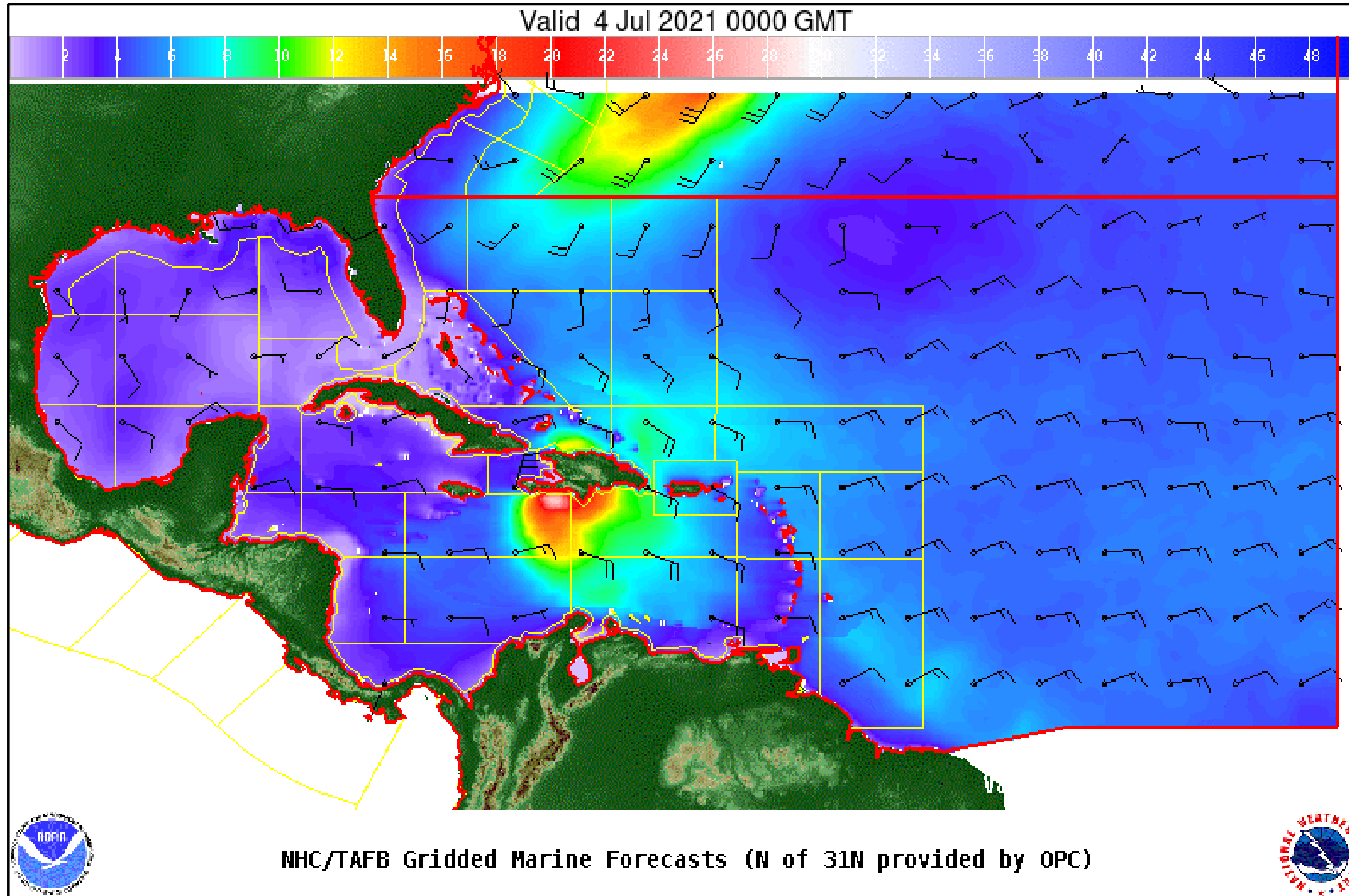


# Wind And Waves

Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



24 Hour Forecast

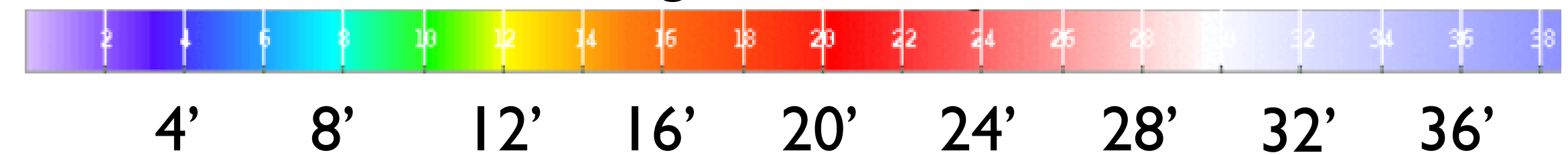
4 Jul 0000 UTC or 8 pm

Peak Winds: 65 kt

Peak Seas: 28 ft

NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

■ Wave heights are in feet

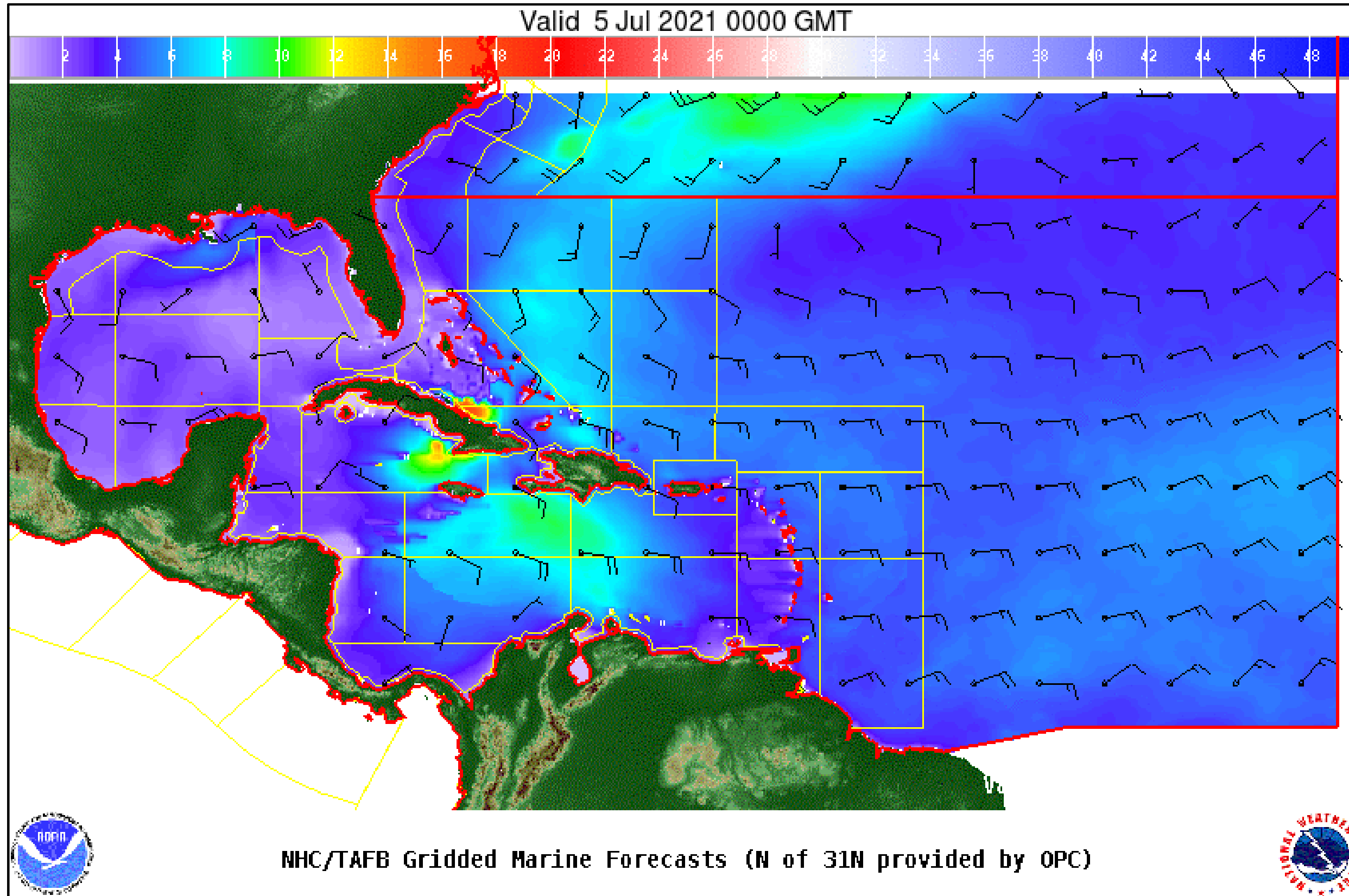


# Wind And Waves

Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



48 Hour Forecast

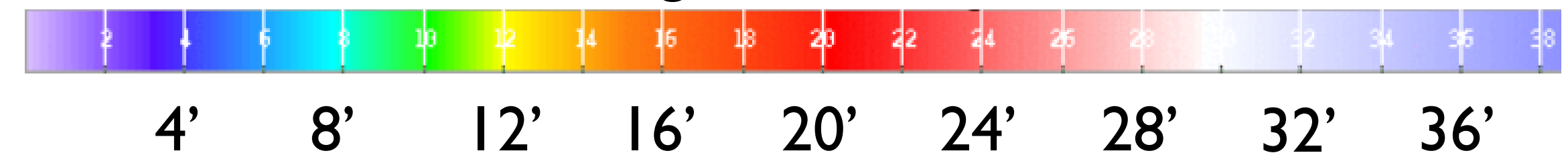
5 Jul 0000 UTC of 8 pm

Peak Winds: 55 kt

Peak Seas: 18 ft N coast, 15 ft S coast

NHC/TAFB Gridded Marine Forecasts (N of 31N provided by OPC)

■ Wave heights are in feet

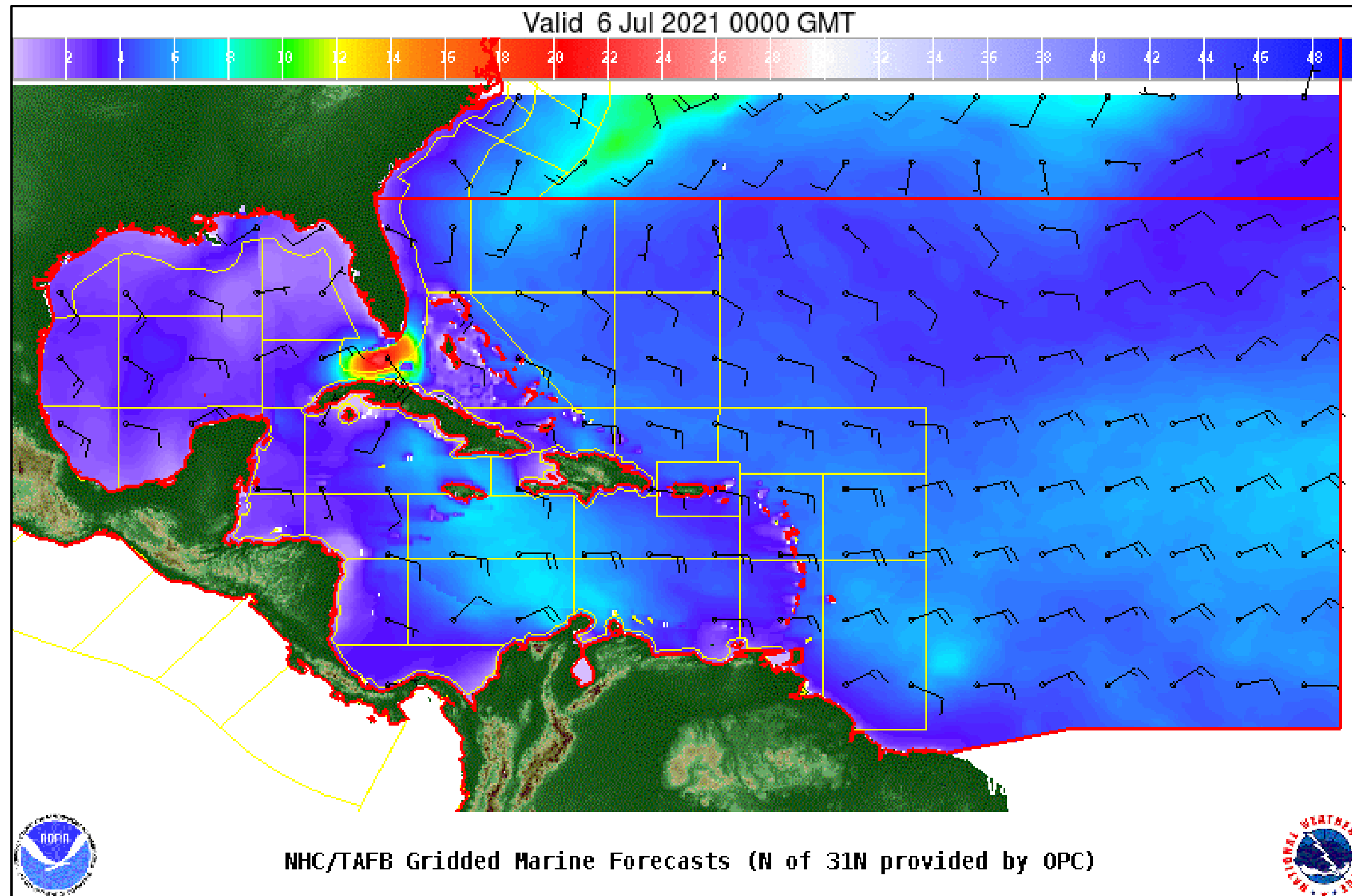


# Wind And Waves

Hurricane Elsa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



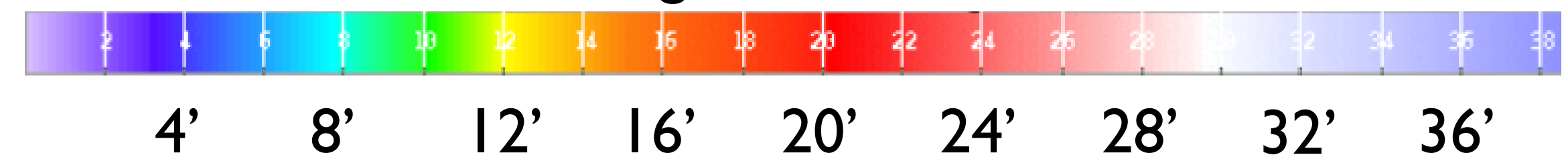
72 Hour Forecast

6 Jul 0000 UTC of 8 pm

Peak Winds: 50 kt

Peak Seas: 23 ft

■ Wave heights are in feet



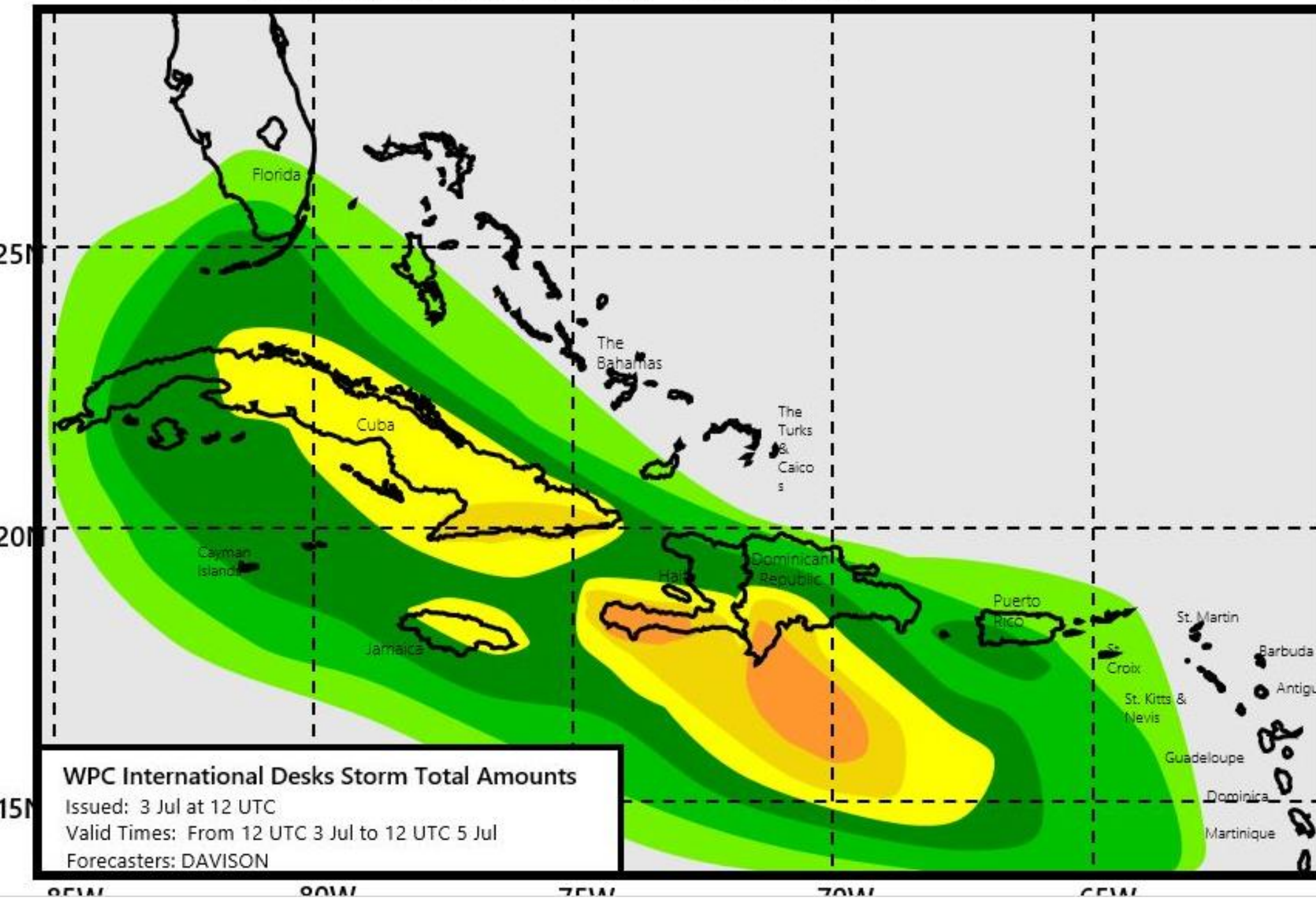
# Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

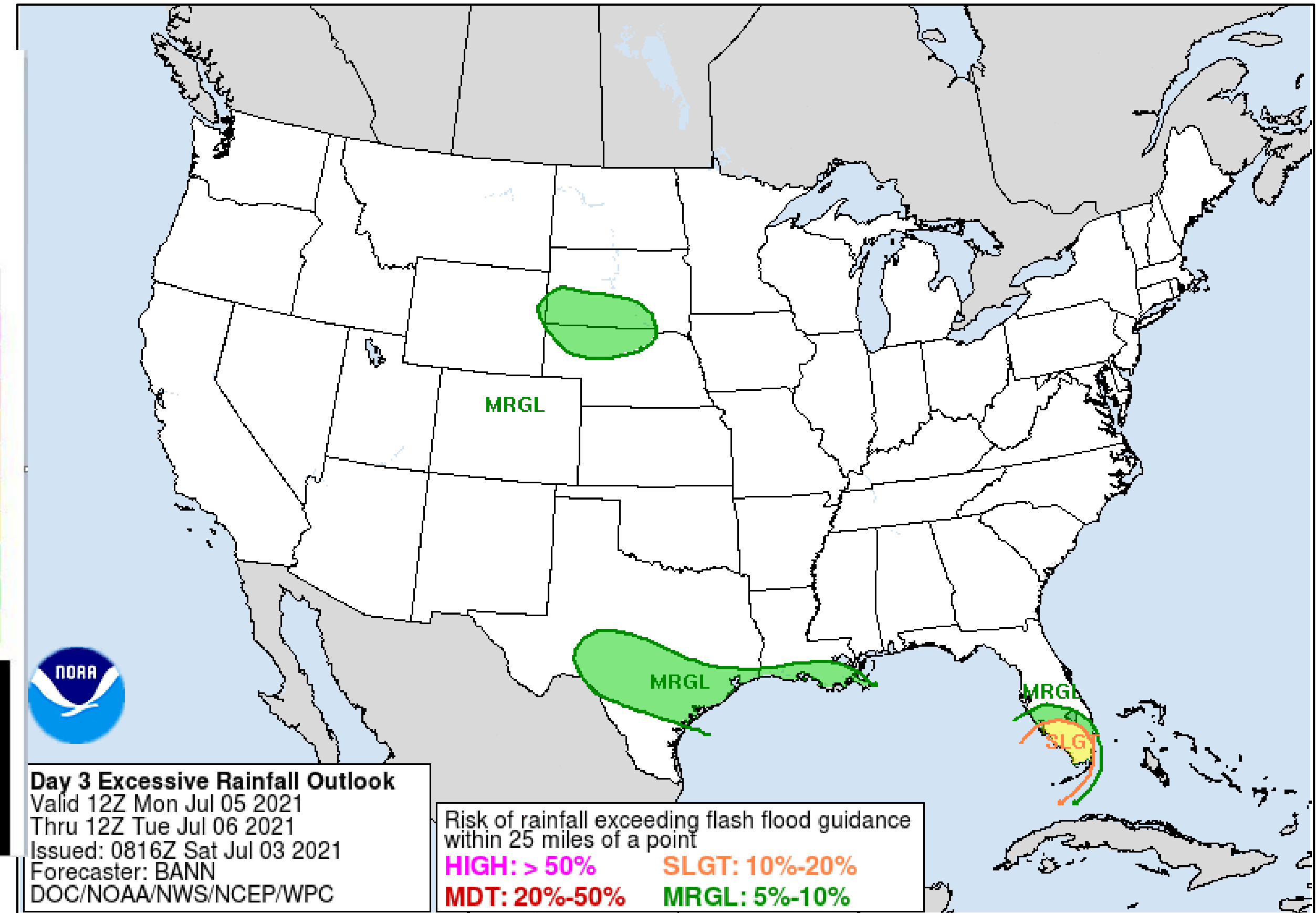
Images from NWS Weather Prediction Center

## 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

## Hurricane Elsa




Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Key Messages for Hurricane Elsa

Advisory 12: 5:00 AM AST Sat Jul 03, 2021




1. Hurricane conditions and dangerous storm surge are expected within the Hurricane Warning areas in Haiti and the Dominican Republic later today and in Jamaica beginning Sunday.

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 then impact the Cayman Islands and Cuba Sunday into Monday resulting in significant flooding with mudslides in Cuba. As Elsa approaches the Florida Keys and southern Florida early next week, isolated flash flooding and minor river flooding will be possible.

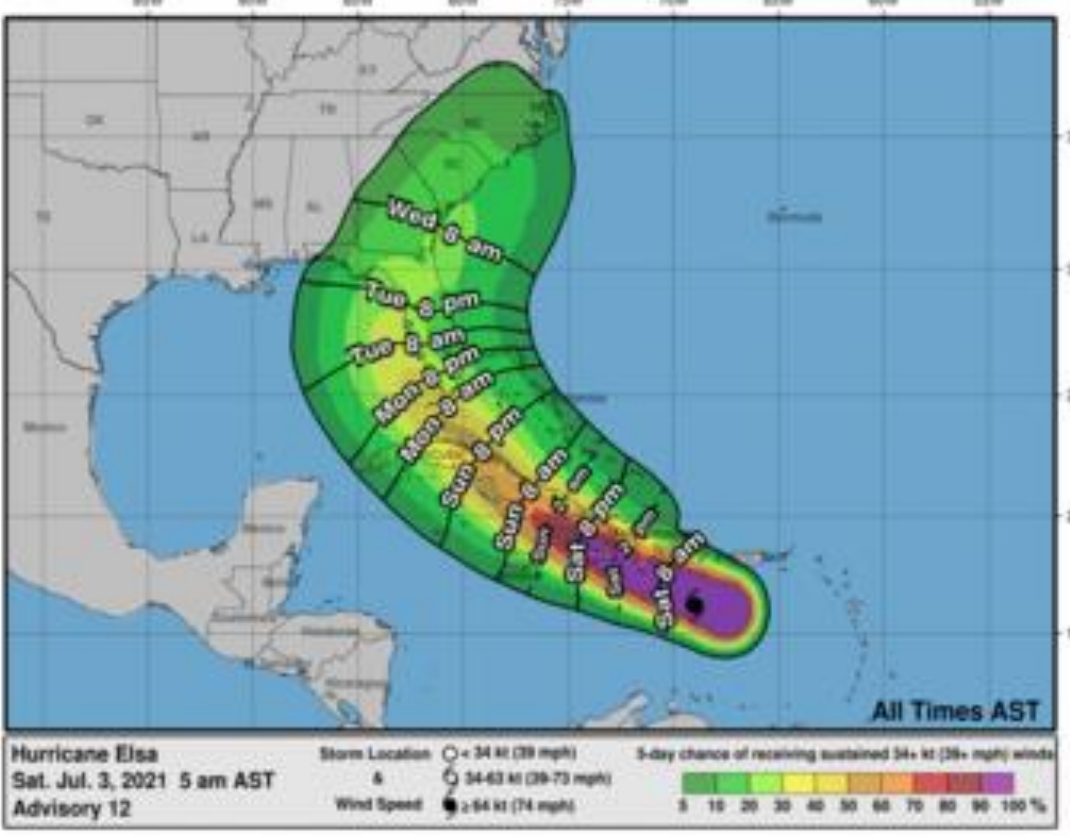
3. Hurricane conditions and dangerous storm surge are possible in portions of eastern Cuba beginning early Sunday where a Hurricane Watch is in effect. There is an increasing risk of wind, storm surge, and rainfall impacts elsewhere in Cuba Sunday and Monday.

4. There is an increasing risk of storm surge, wind, and rainfall impacts beginning Monday in the Florida Keys and spreading northward along the Florida Peninsula through Tuesday. However, the forecast uncertainty remains larger than usual due to Elsa's potential interaction with the islands of Hispaniola and Cuba this weekend. Interests throughout Florida should monitor Elsa's progress and updates to the forecast.

**For more information go to [hurricanes.gov](https://hurricanes.gov)**



**Most Likely Arrival Time of Tropical-Storm-Force Winds**



- Hurricane conditions expected to reach the SW coastal sections of Hispaniola this afternoon and strongly impact Haiti
- Large seas in excess of 20 ft to move into the same 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



# HURRICANE ELSA BRIEFING

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

*The Next Briefing Will Be:  
Saturday 4:00 PM EST*

*You can always find get the latest graphics and information for this storm at [www.hurricanes.gov](http://www.hurricanes.gov)*



NHC\_TAFB

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)