IMPACTS FOR D7 (through next 5 days)

Winds - Moderate

Storm Surge – Low

Rainfall/Flash Flooding - Moderate

Tornadoes – Low

Waves - Moderate

TROPICAL STORM ELSA BRIEFING



4:00 PM EDT

Sunday, July 4, 2021

Prepared by:

Scott Stripling

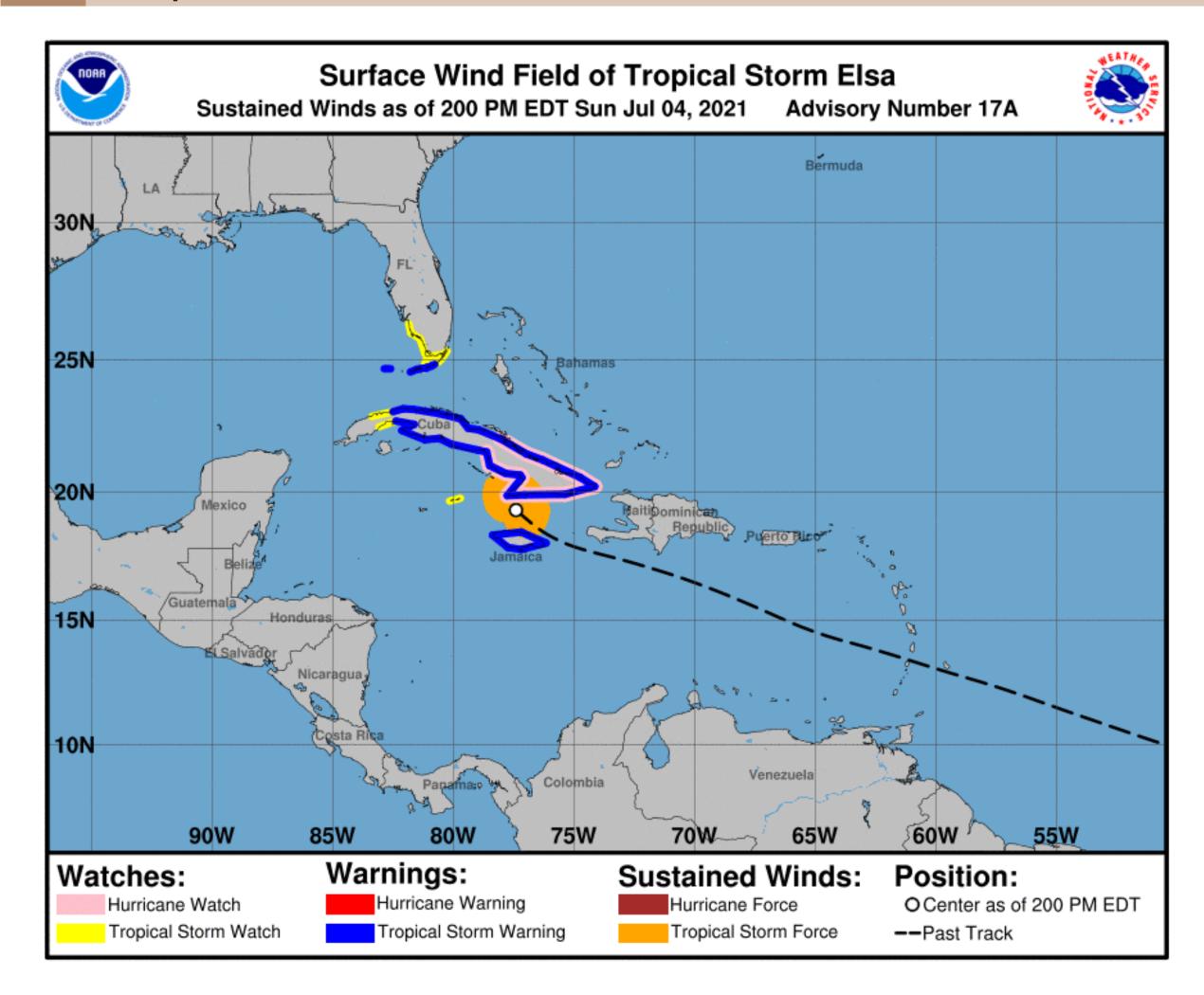
Tropical Analysis and Forecast Branch

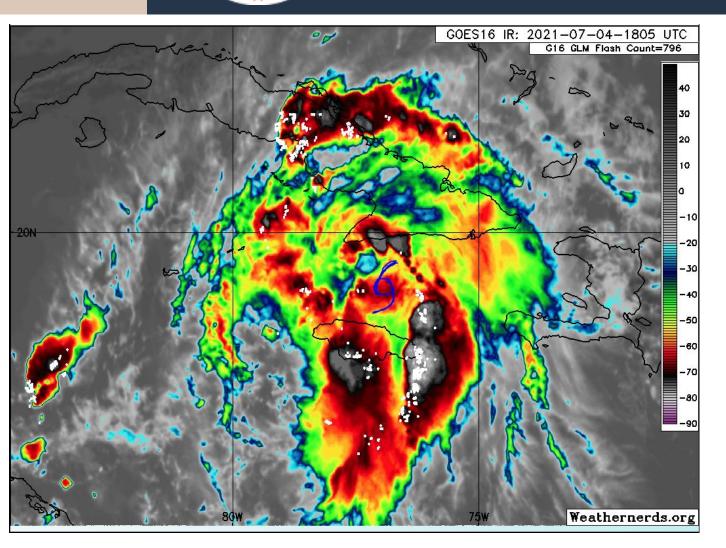
NWS National Hurricane Center



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Tropical Storm Elsa





...Elsa Approaching the Waters near Cabo Cruz Cuba...

Summary of 200 PM EDT... I 800 UTC... Information

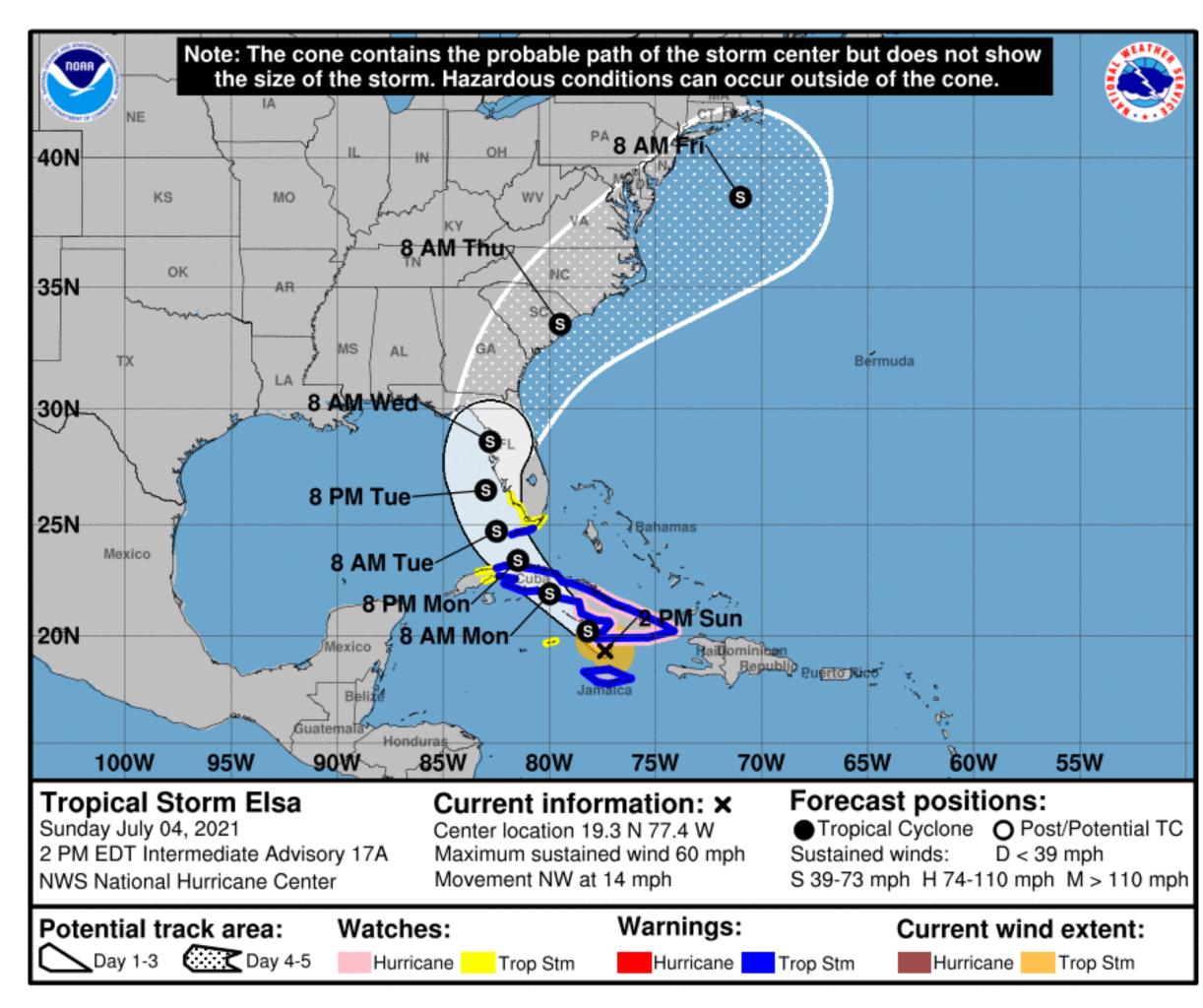
Location... 19.3N 77.4W
About 35 nm...SSE of Cabo Cruz Cuba
Maximum Sustained Winds...50 kt
Present Movement...310 degrees at 12 kt
Minimum Central Pressure...1009 mb

Forecast Information

SER IN

Tropical Analysis and Forecast Branch NWS National Hurricane Center

Tropical Storm Elsa



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

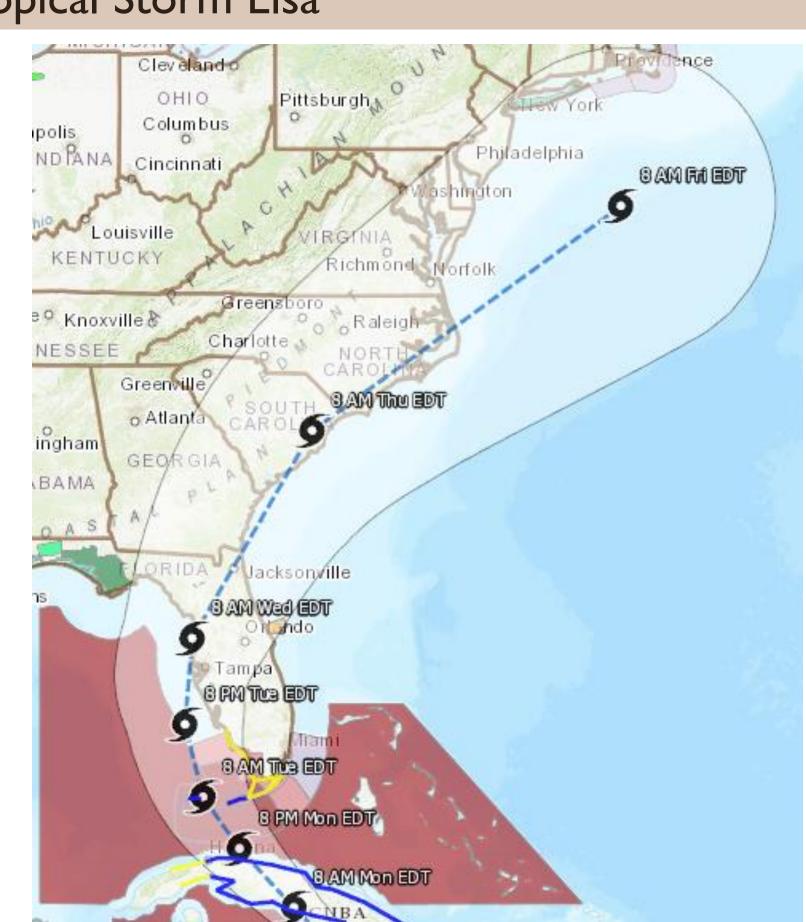
- Elsa is expected to begin exiting the approach to the Windward Passage and move across or very near Cabo Cruz, Cuba this evening.
- Tropical storm conditions and moderate to high seas will continue across the approach to the Windward Passage and eastern Cuba waters this evening and early tonight.
- White swath of potential track is the probable track error added to each side of the forecast track through day 3
- Hatched swatch 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

fof



Tropical MAN Kingston

Elsa

DOMINICAN

Domingo

HAITE

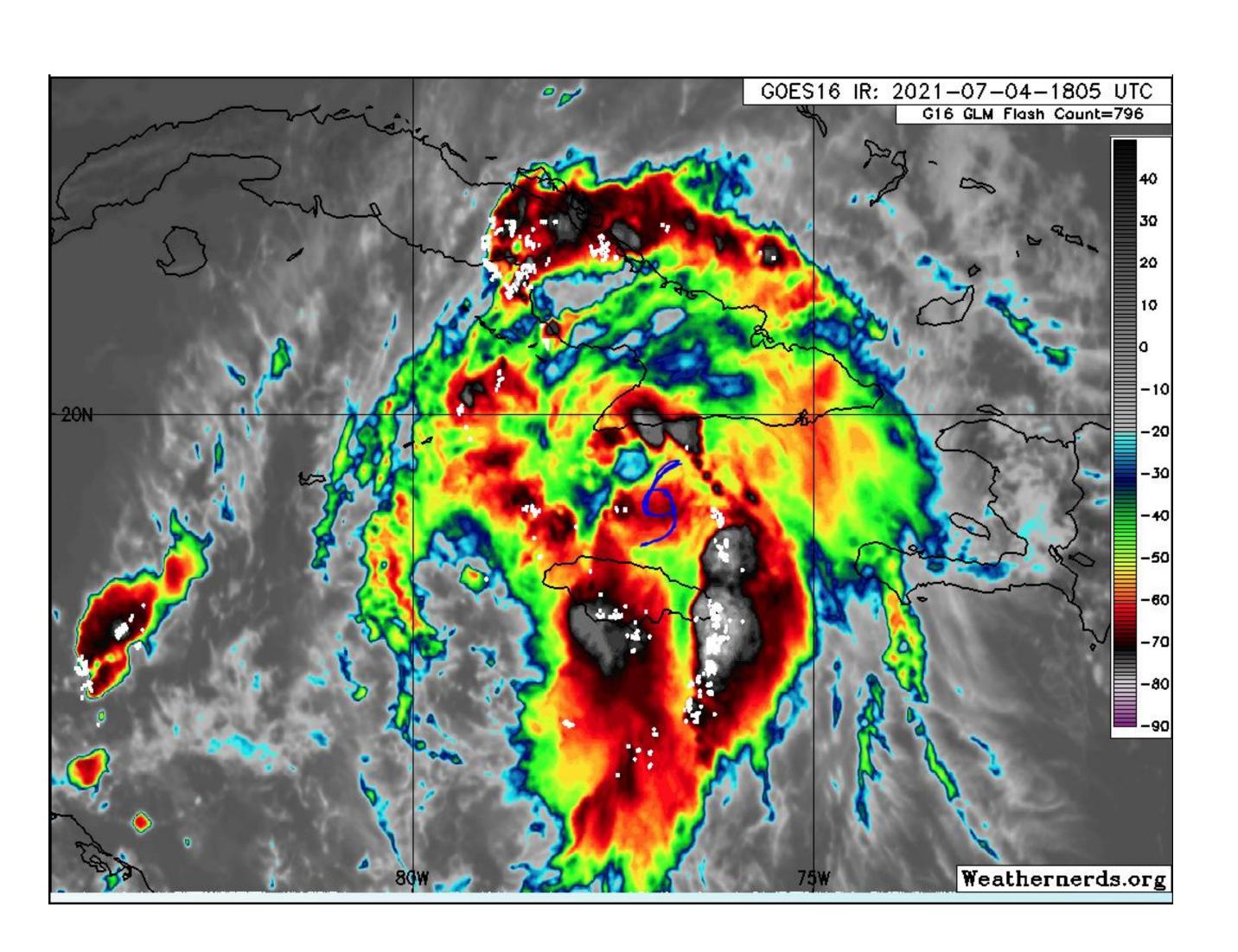
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https://nowcoast.noaa.gov/



...Elsa approaching Cabo Cruz Cuba...

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

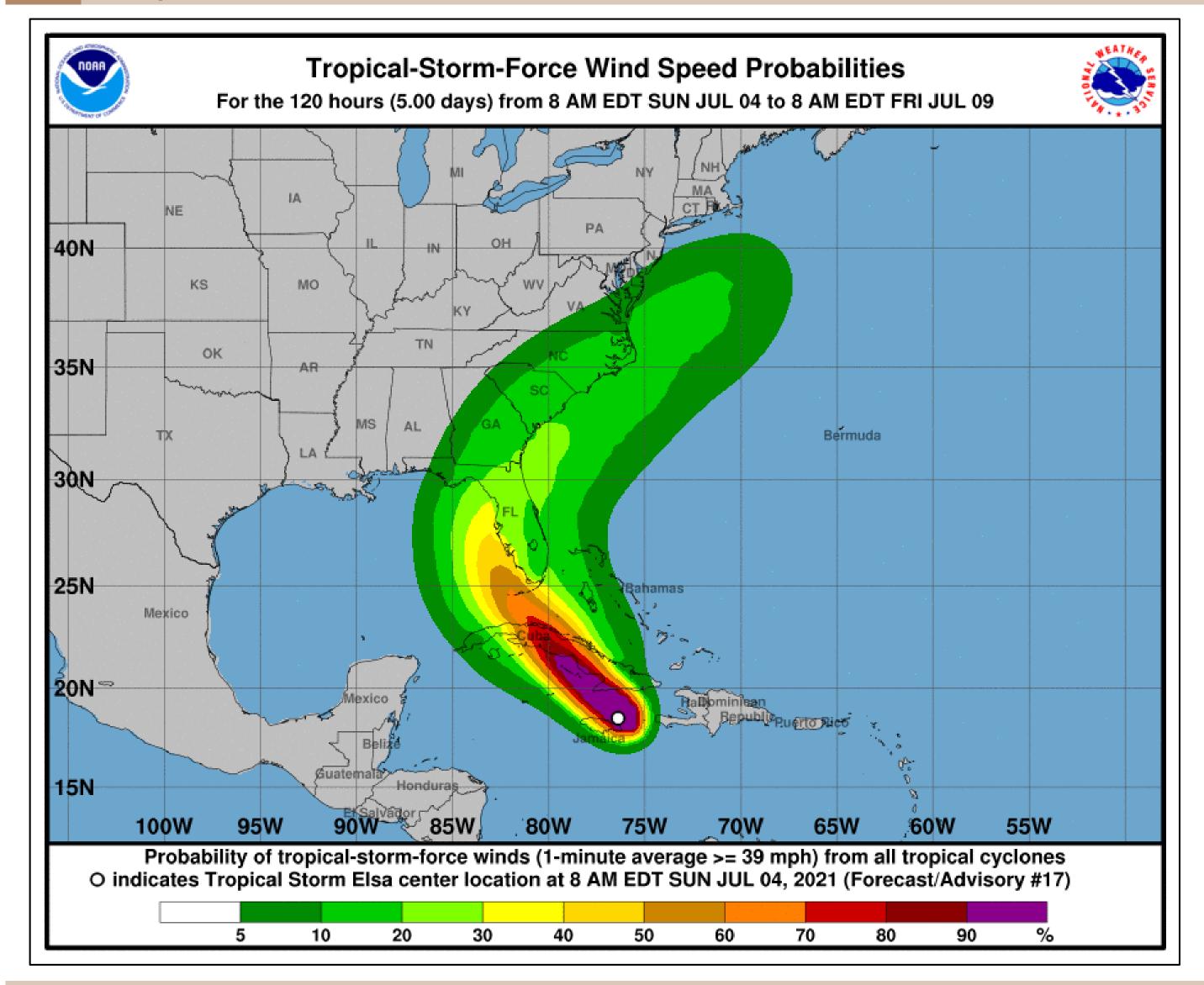
Location... 19.3N 77.4W
About 35 nm...SSE of Cabo Cruz Cuba
Maximum Sustained Winds...50 kt
Present Movement...310 degrees at 12 kt
Minimum Central Pressure...1009 mb

T.S. Wind Speed Probabilities

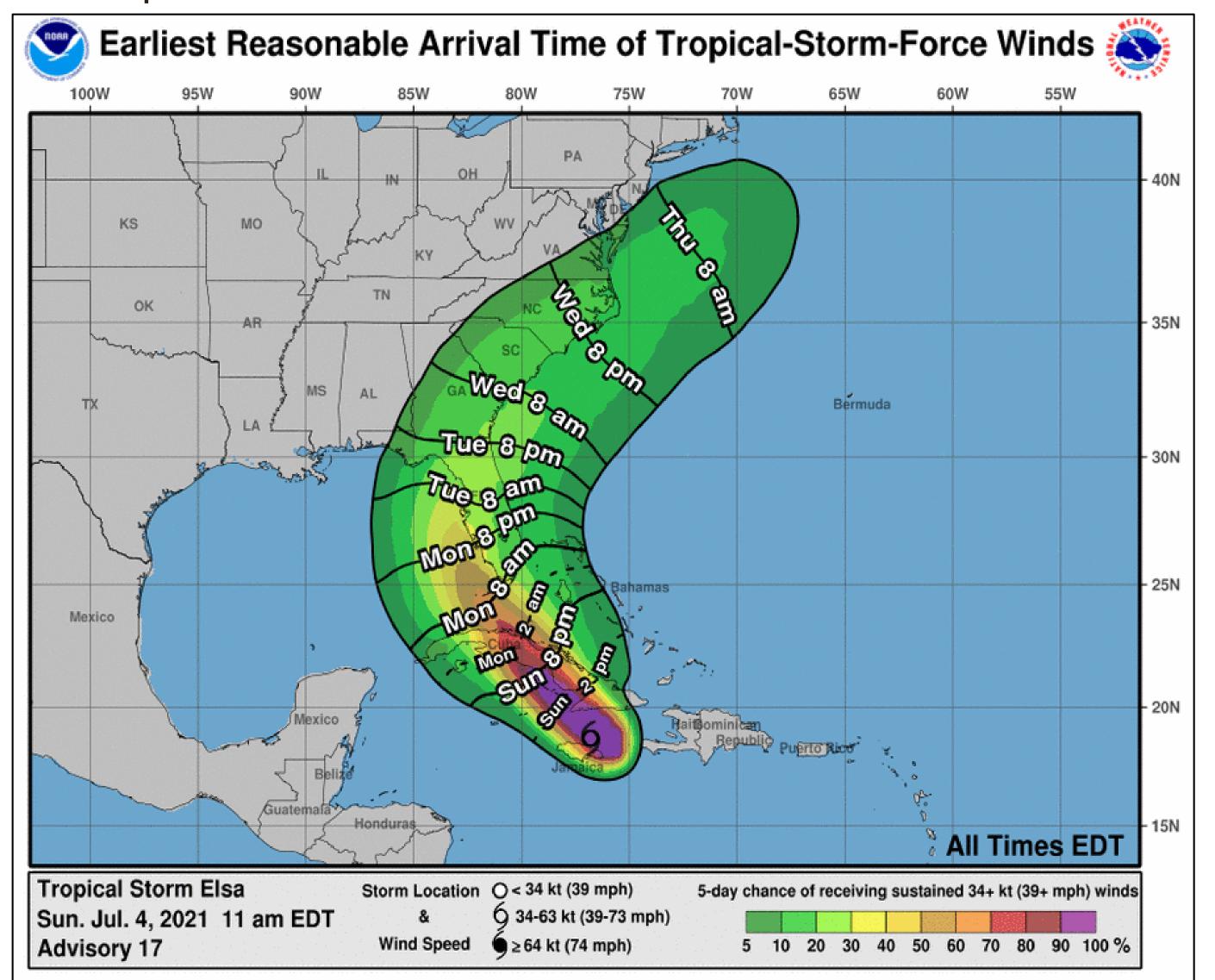
Tropical Storm Elsa



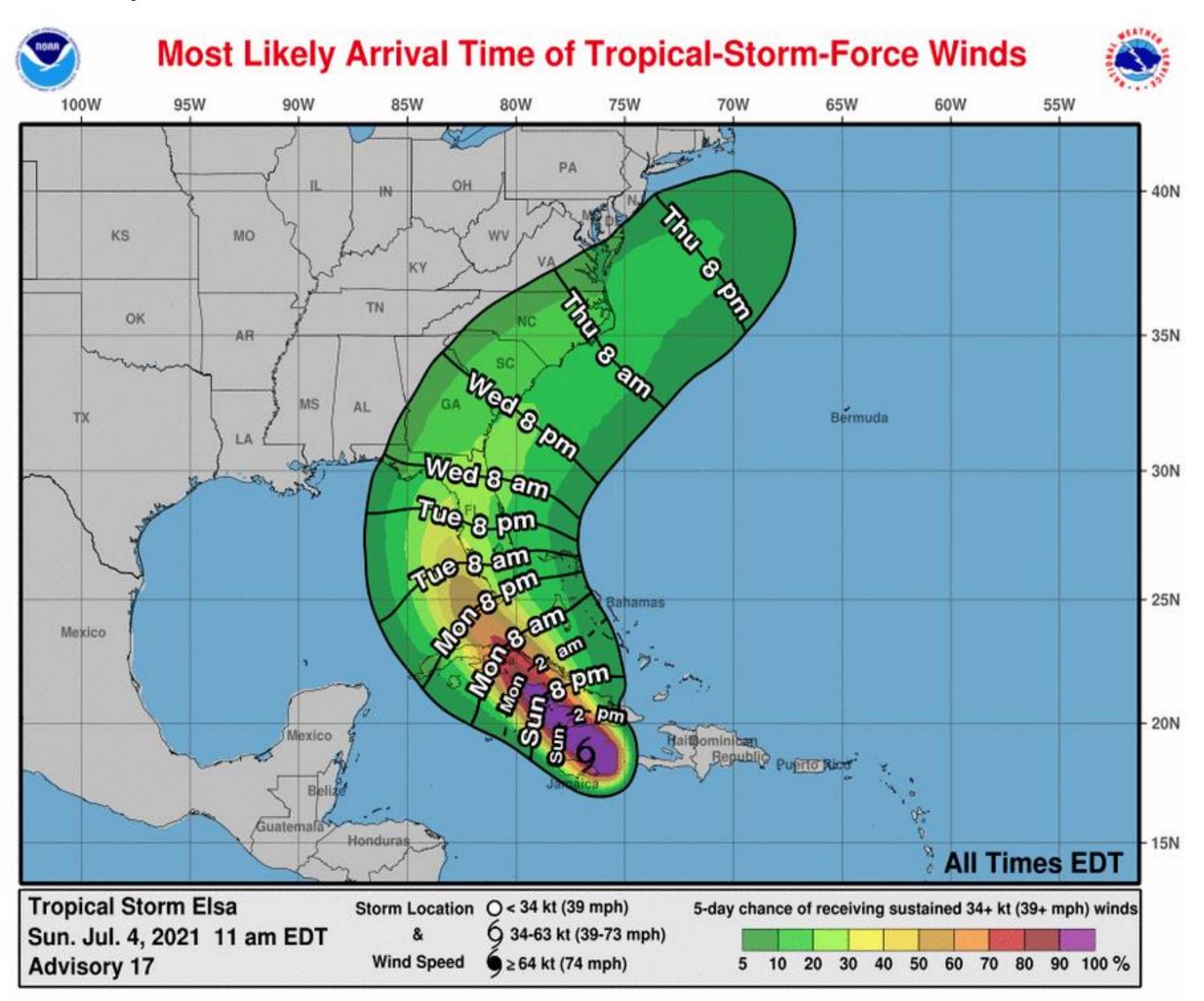
Tropical Analysis and Forecast Branch NWS National Hurricane Center



- 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.



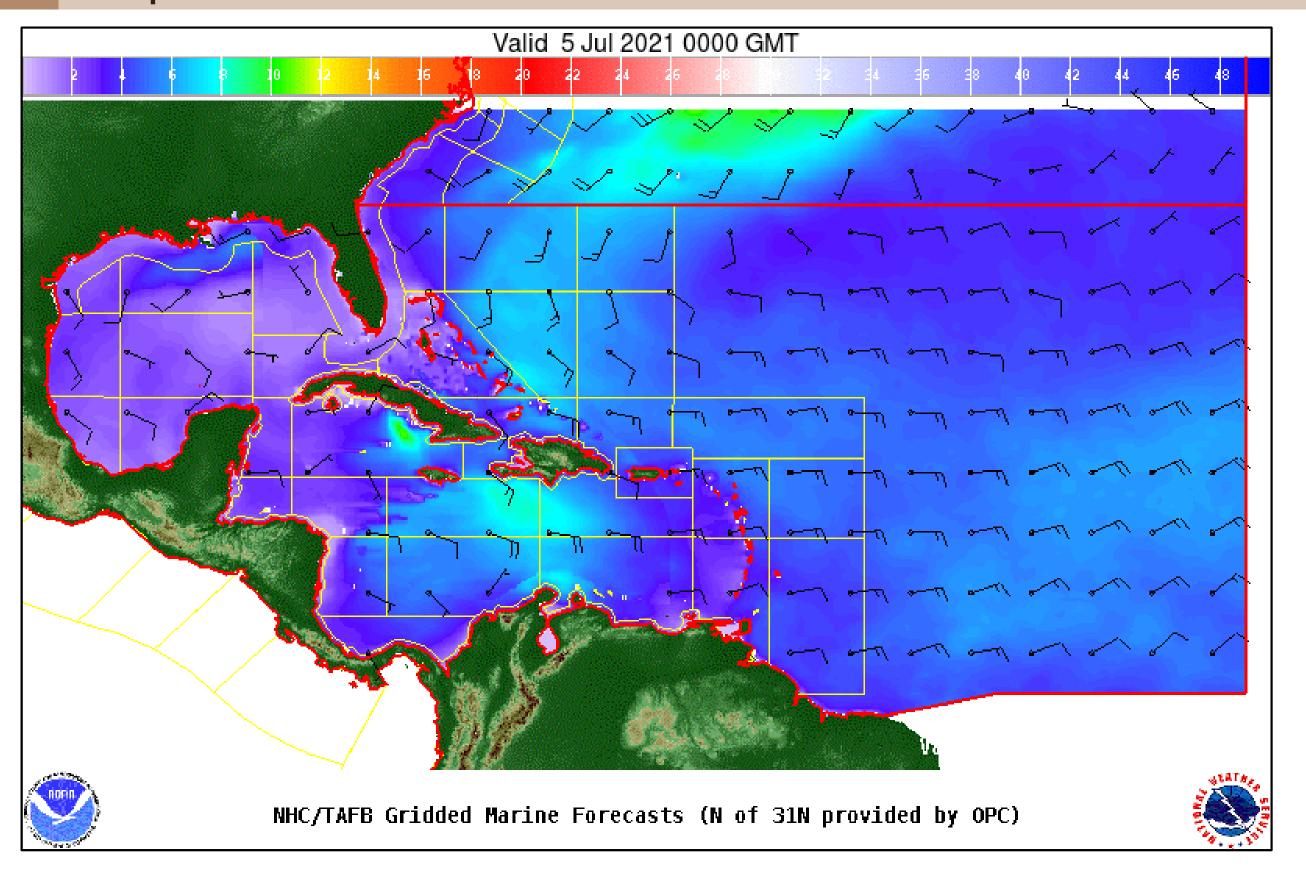
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Earliest reasonable time of arrival for TS winds across Key West area is early Monday morning
- Earliest reasonable time of arrival for TS winds across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



- 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.
- Most likely time of arrival for TS winds across Key West area is Monday evening
- Most likely time of arrival for TS winds across Tampa Bay/St Pete area is early Tue evening
- See the color bar below the image for more details.

Tropical Analysis and Forecast Branch NWS National Hurricane Center

Tropical Storm Elsa



12 Hour Forecast5 Jul 0000 UTC or 8 pm

Peak Winds: 55 kt

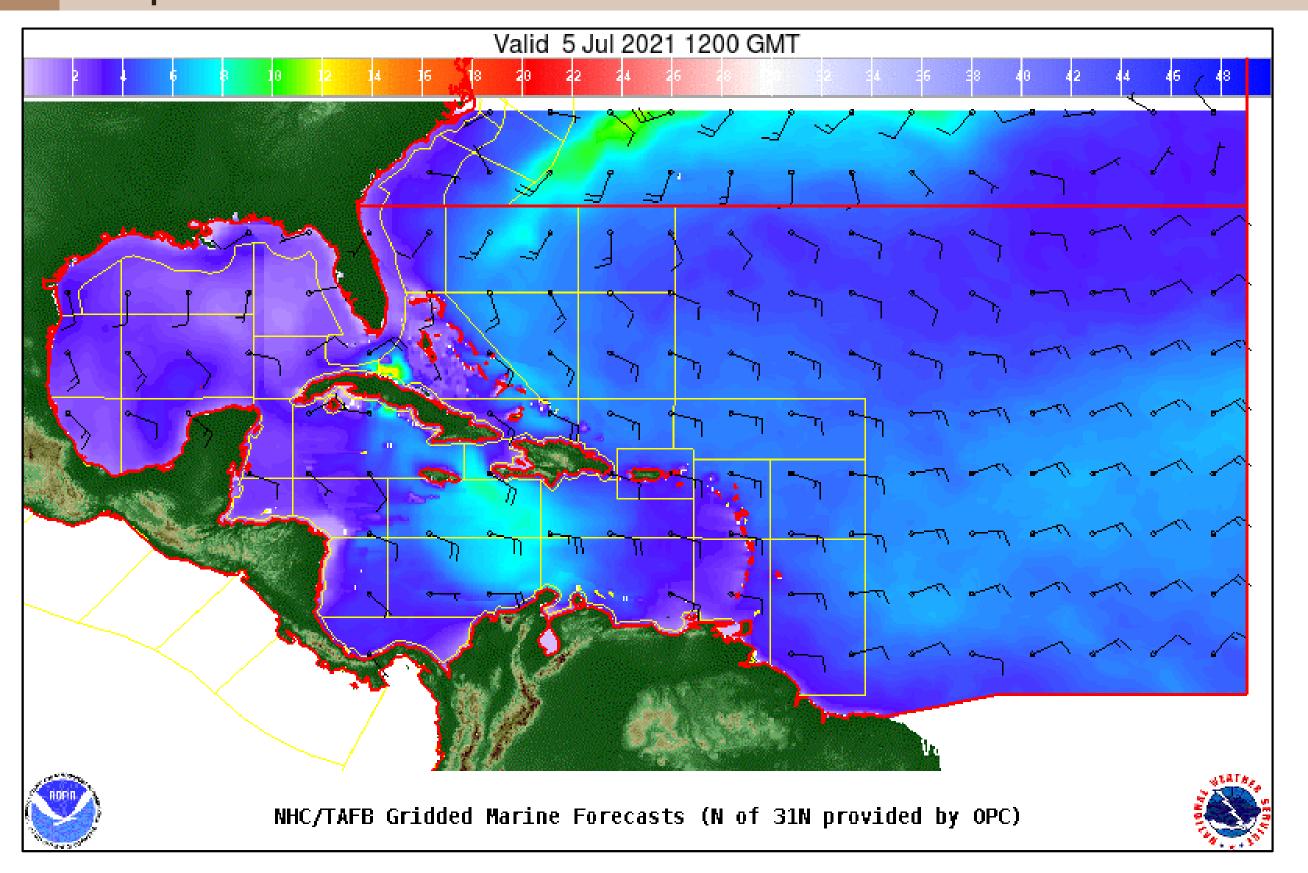
Peak Seas: 14 ft





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Tropical Storm Elsa



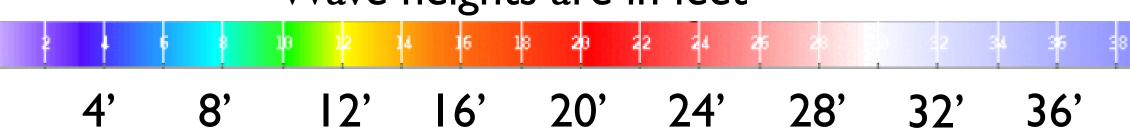
24 Hour Forecast

5 Jul 1200 UTC or 8 am

Peak Winds: 60 kt

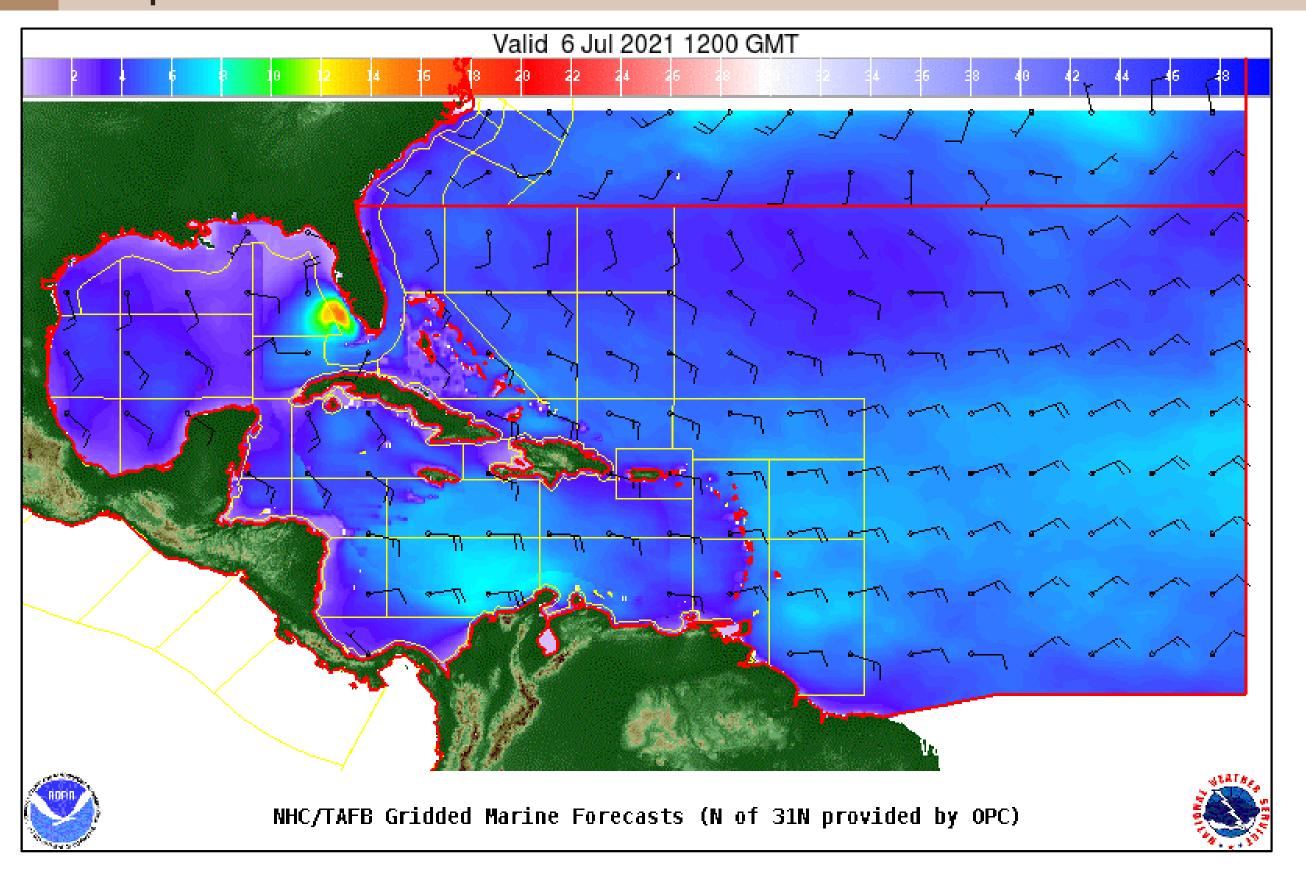
Peak Seas: 12 ft Straits of Florida, 8 ft Carib

Wave heights are in feet



Tropical Analysis and Forecast Branch NWS National Hurricane Center

Tropical Storm Elsa



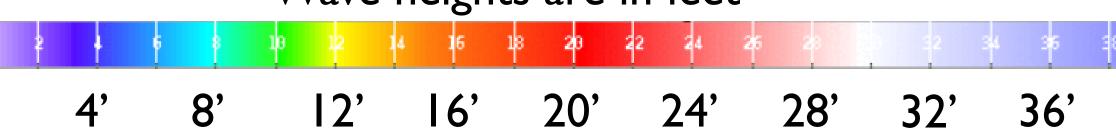
48 Hour Forecast

6 Jul 1200 UTC of 8 am

Peak Winds: 50 kt

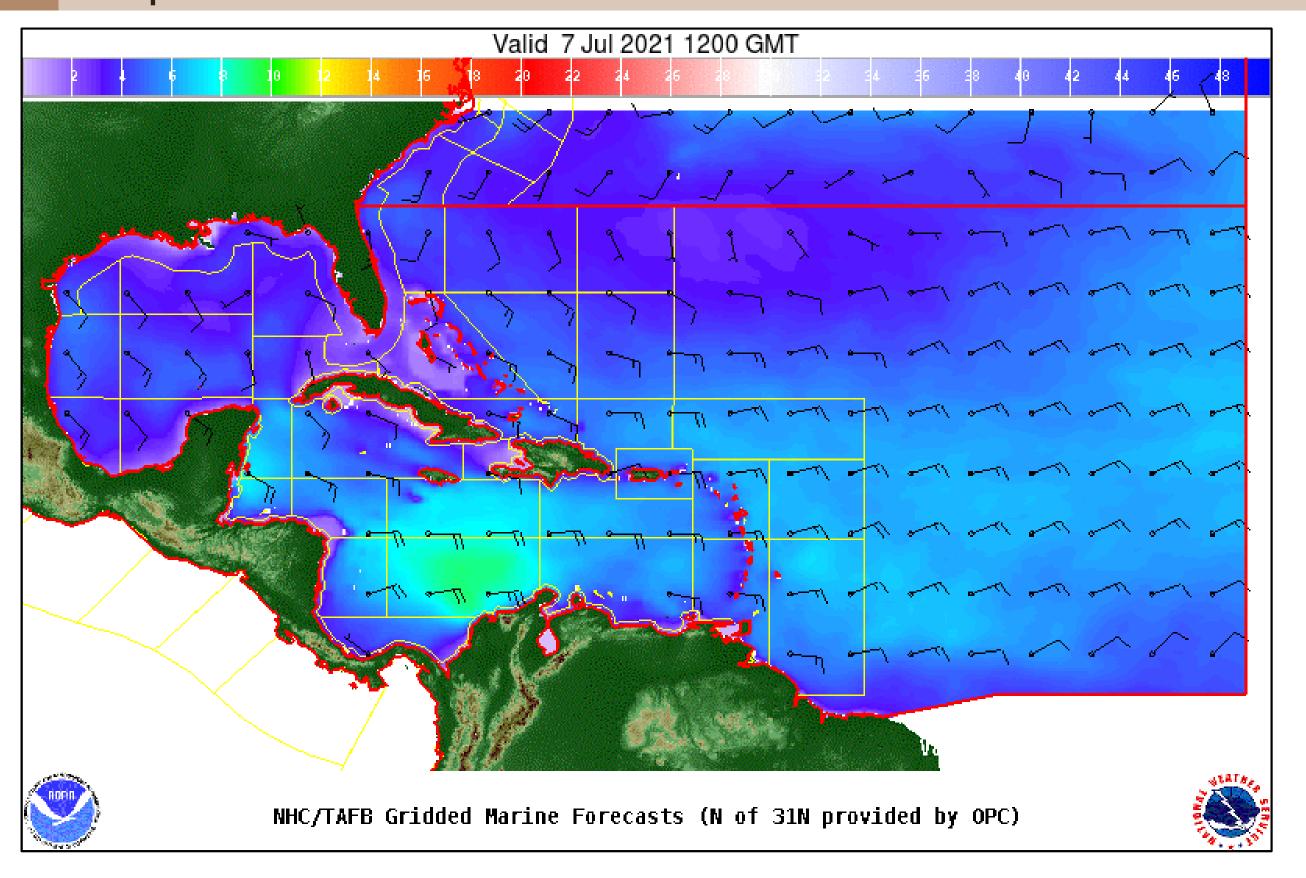
Peak Seas: 15 ft





Tropical Analysis and Forecast Branch NWS National Hurricane Center

Tropical Storm Elsa



72 Hour Forecast

7 Jul 1200 UTC of 8 am

Peak Winds: 55 kt

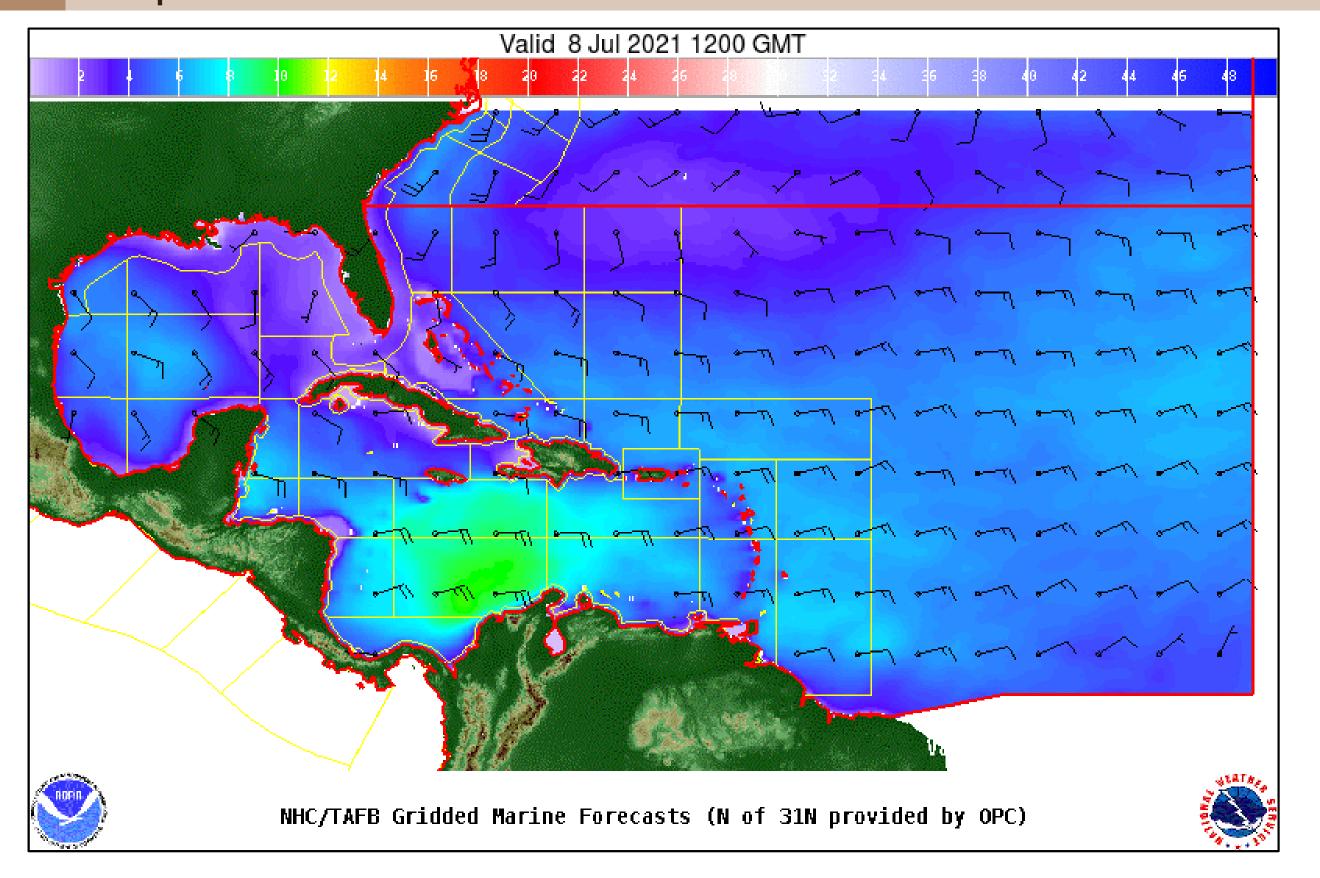
Peak Seas: 18 ft





Tropical Analysis and Forecast Branch NWS National Hurricane Center

Tropical Storm Elsa



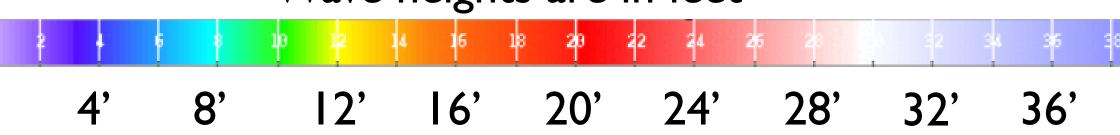
96 Hour Forecast

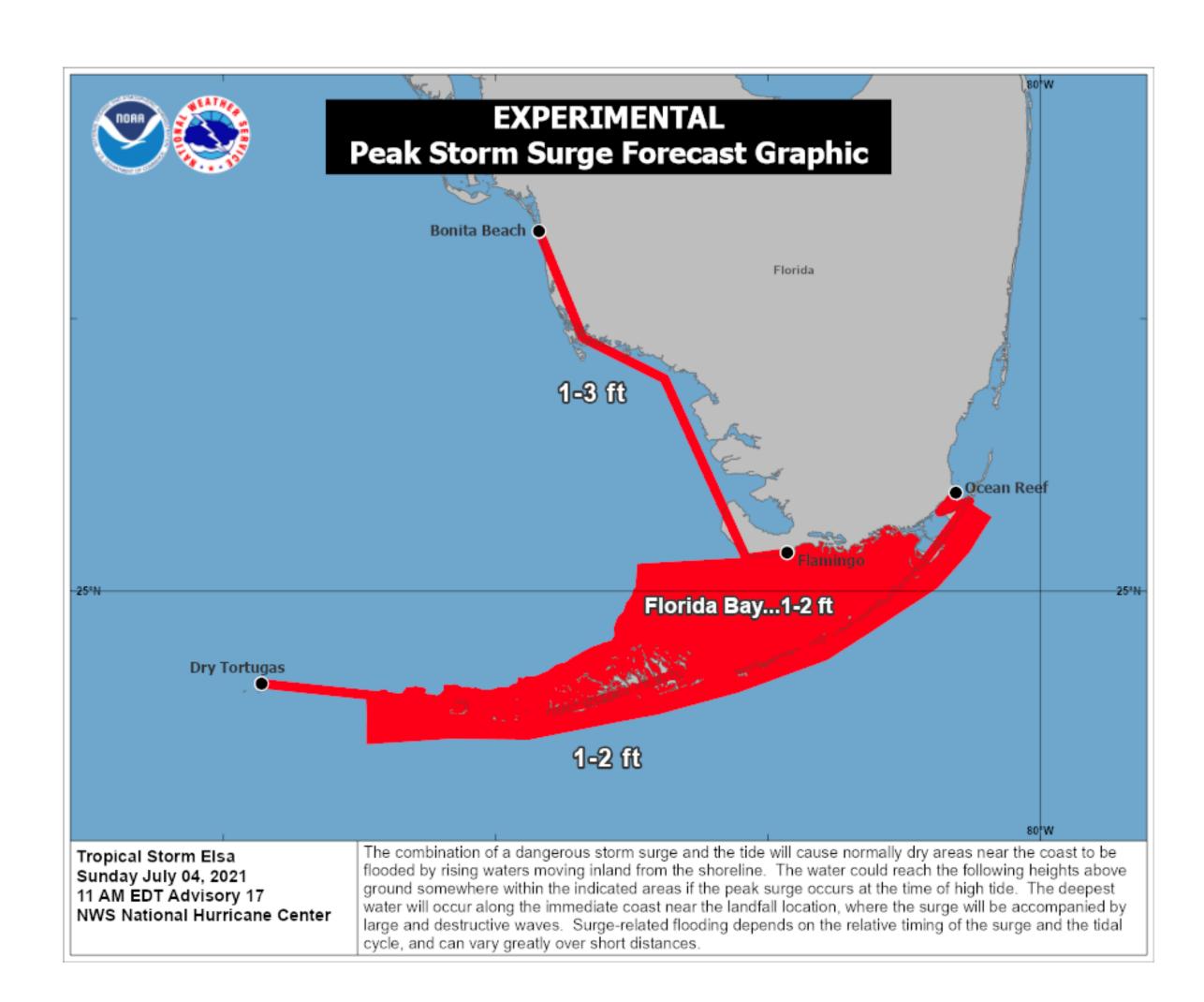
8 Jul 1200 UTC of 8 am

Peak Winds: 40 kt

Peak Seas: 4 ft

Wave heights are in feet



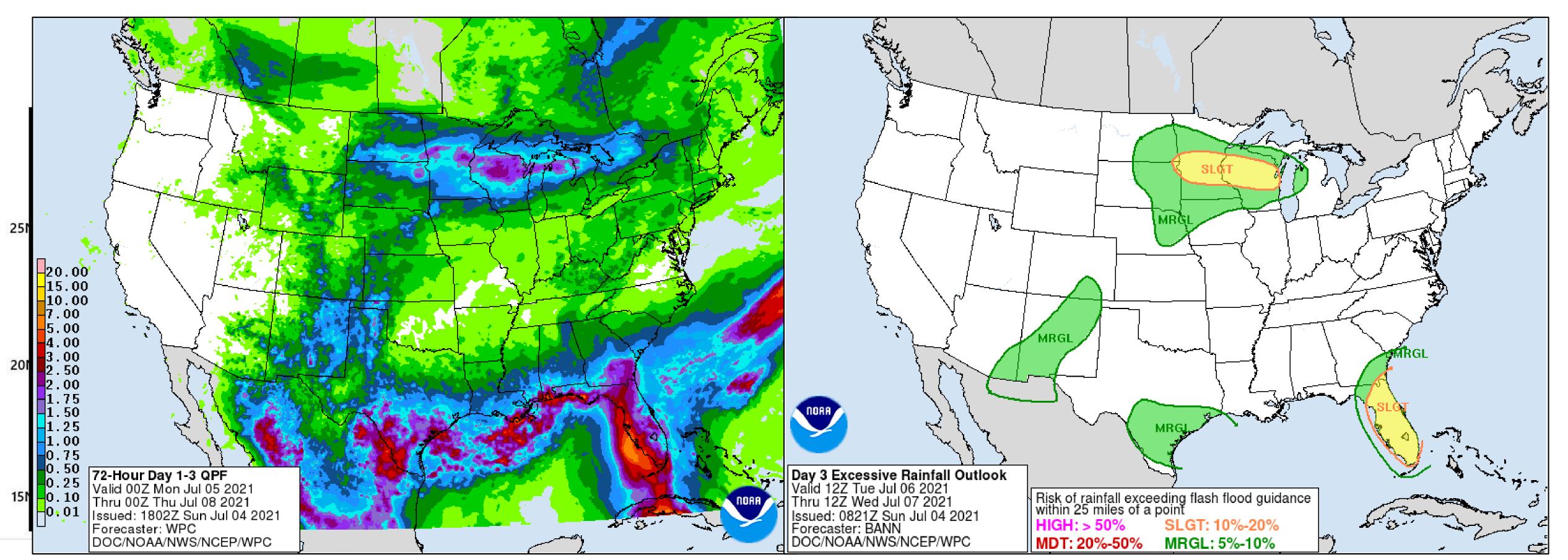


 Potential storm surge is represented in feet above the ground at any given point.

Expected Storm Total Rainfall and Chance of Rainfall Flooding

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Tropical Storm Elsa



Total rainfall in inches through 8 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



Tropical Analysis and Forecast Branch NWS National Hurricane Center



Key Messages for Tropical Storm Elsa Advisory 17: 11:00 AM EDT Sun Jul 04, 2021

- 1. Widespread heavy rain will continue to affect portions of southern Haiti and Jamaica today where isolated to scattered flash flooding and mudslides will be possible. Heavy rain will then impact the Cayman Islands and Cuba today into Monday resulting in significant flooding and mudslides over Cuba. As Elsa approaches the Florida Keys and Florida Peninsula Monday through Wednesday, heavy rainfall may result in isolated flash, urban, and minor river flooding.
- Tropical storm conditions and dangerous storm surge are expected with hurricane conditions possible in portions of eastern Cuba later today and tonight. Tropical storm conditions are expected in portions of central and western Cuba tonight and Monday.
- 3. Tropical storm conditions, storm surge, and rainfall impacts are expected beginning late Monday in the Florida Keys, and are possible along the coast of southwestern Florida beginning Monday night. Tropical Storm Warnings and Watches are in effect in those areas.
- 4. There is a risk of tropical storm conditions, storm surge, and rainfall impacts along the remainder of the Florida Peninsula Monday night through Wednesday and 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 Cuba.





For more information go to hurricanes.gov

- Tropical Storm conditions expected across eastern Cuba and adjacent Caribbean waters this evening and tonight
- Large seas 12 to 18 ft across
 northern Jamaica waters and
 approach to the Windward Passage
 to slam into SE coast of Cuba this
 evening
- Elsa to move across Cuba tonight through Monday and enter the Straits of Florida late Monday afternoon, with a brief period for reintensification possible Monday evening and night



TROPICAL STORM ELSA BRIEFING

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

The Next Briefing Will Be: Monday 9:00 AM EDT

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