

**IMPACTS FOR D7**

**Winds/US Coast – None**

**Winds/SRR – Medium**

**Waves/US Coastal – None**

**Waves/SRR – Medium**

through next 5 days

**US Storm Surge – None**

**US Rainfall/Flash Flooding – None**

**US Tornadoes – None**

# TROPICAL STORM SARA BRIEFING



8:30 AM EST

Friday, November 15, 2024

Prepared by:

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*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

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

# Situation Overview

Tropical Storm Sara



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

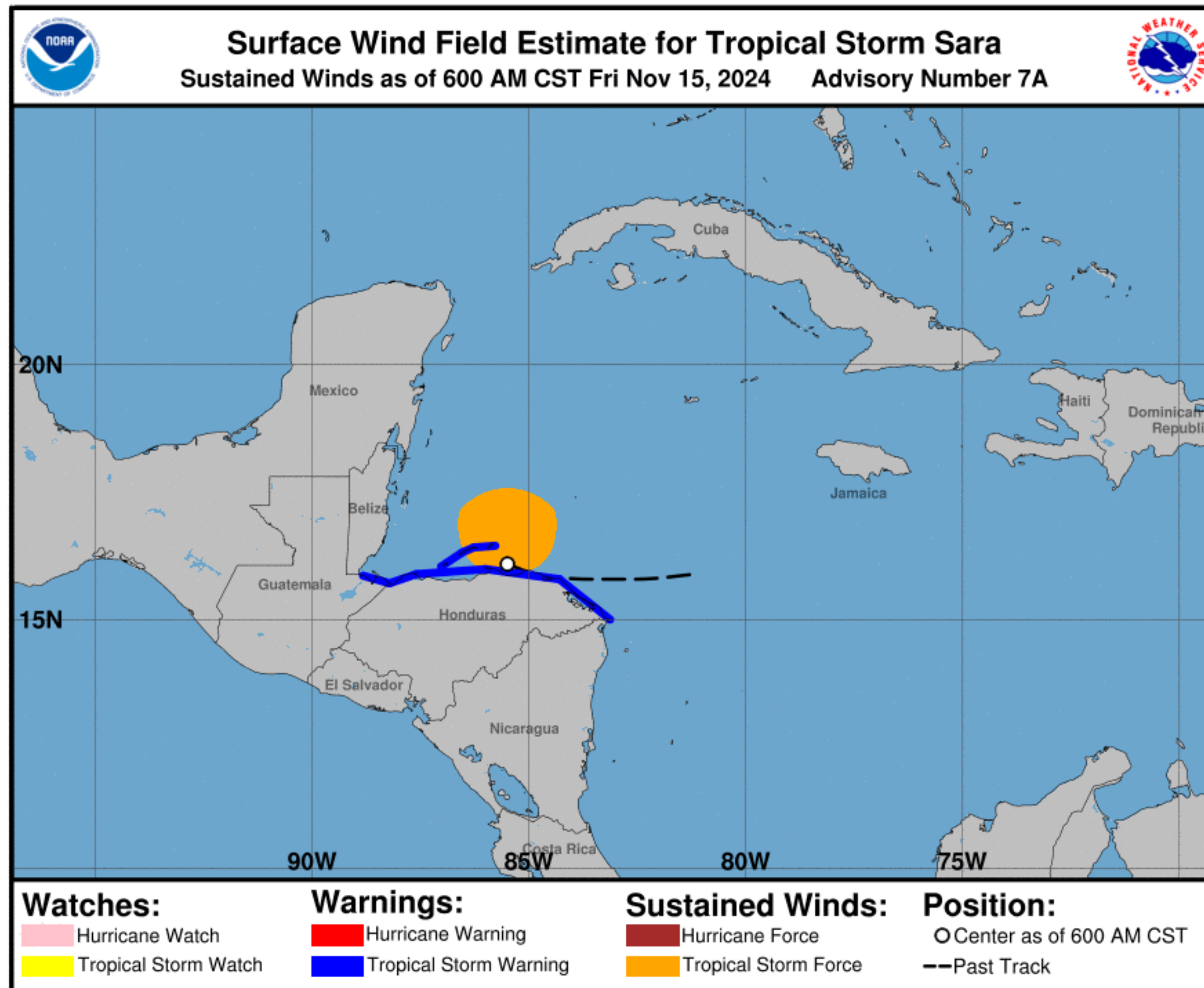
- Tropical Storm Sara will continue to move slowly near the coast of Honduras before landfall over Belize Sunday.
- The official forecast call for dissipation Sunday late night.

# Situation Overview

## Tropical Storm Sara



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NWS National Hurricane Center



**...SARA NEAR THE NORTH COAST OF HONDURAS...**  
**...HEAVY RAINFALL LIKELY TO CAUSE FLASH FLOODING AND MUDSLIDES INTO EARLY NEXT WEEK FOR PORTIONS OF CENTRAL AMERICA...**

Summary of 700 AM EST

**LOCATION...16.1N 85.5W**  
**ABOUT 35 NM... SE OF ISLA GUANAJA HONDURAS**  
**ABOUT 180 NM... ESE OF BELIZE CITY**  
**MAXIMUM SUSTAINED WINDS...45 KT**  
**PRESENT MOVEMENT...W AT 8 KT**  
**MINIMUM CENTRAL PRESSURE...998 MB**

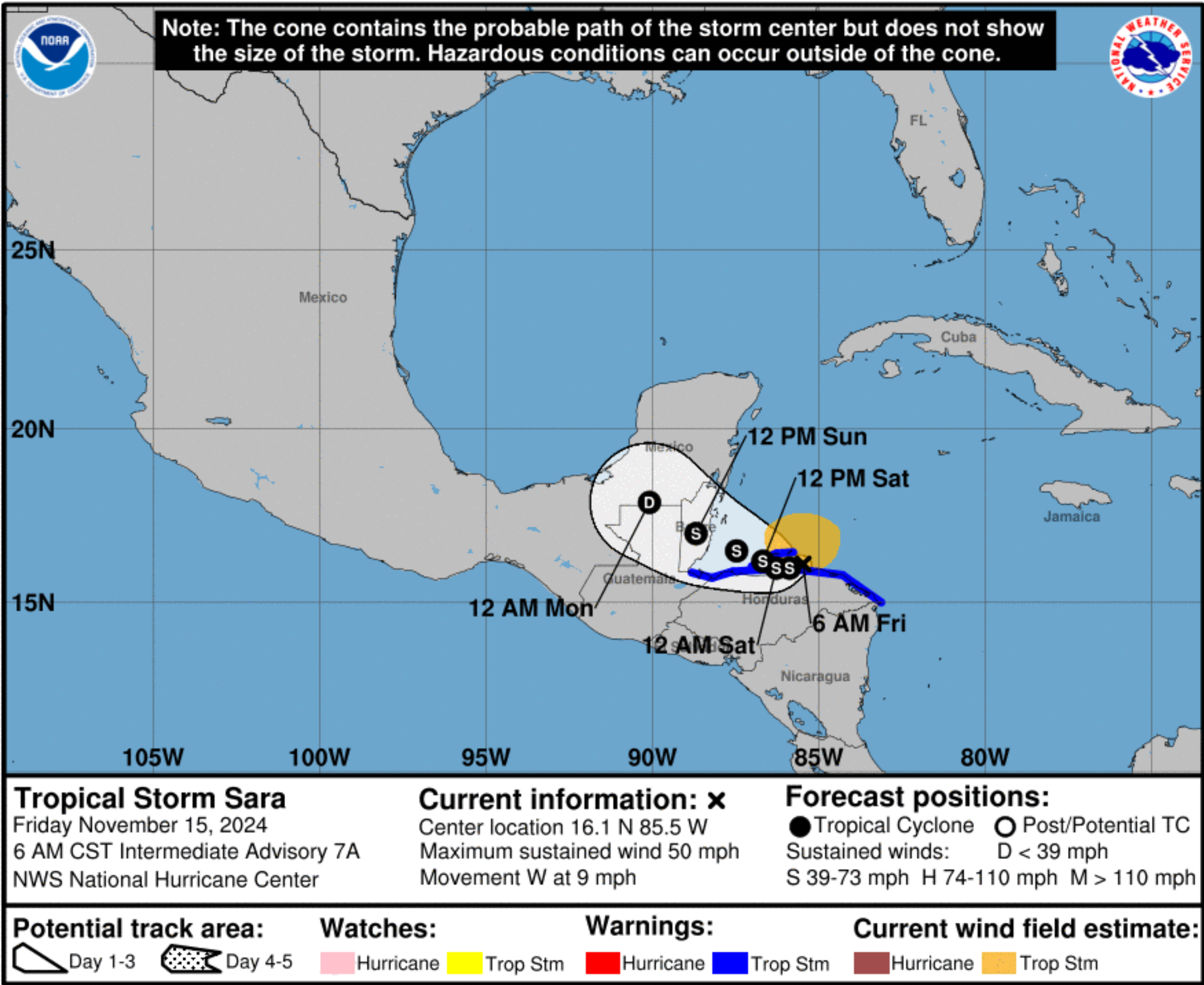
**SIZE:**  
**34 KT..... 90NE 0SE 0SW 90NW.**  
**12 FT SEAS.. 60NE 0SE 0SW 60NW.**

# Forecast Information

## Tropical Storm Sara



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

- A continued westward motion at a slower forward speed is expected over the next day or so.
- A slow west-northwestward motion is forecast by late Saturday.
- On the forecast track, the center of Sara will continue to move close to the northern coast of Honduras through early Saturday, then approach the coast of Belize early Sunday.
- Some slight strengthening is possible during the next couple of days if the center of Sara remains over water to the north of Honduras.
- Current center forecast positions through the next 5 days (if applicable) illustrated by dots
- White swath of potential track error added to each side of the forecast track through day 3
- Hatched swath of potential track error added to each side of the forecast track days 4-5

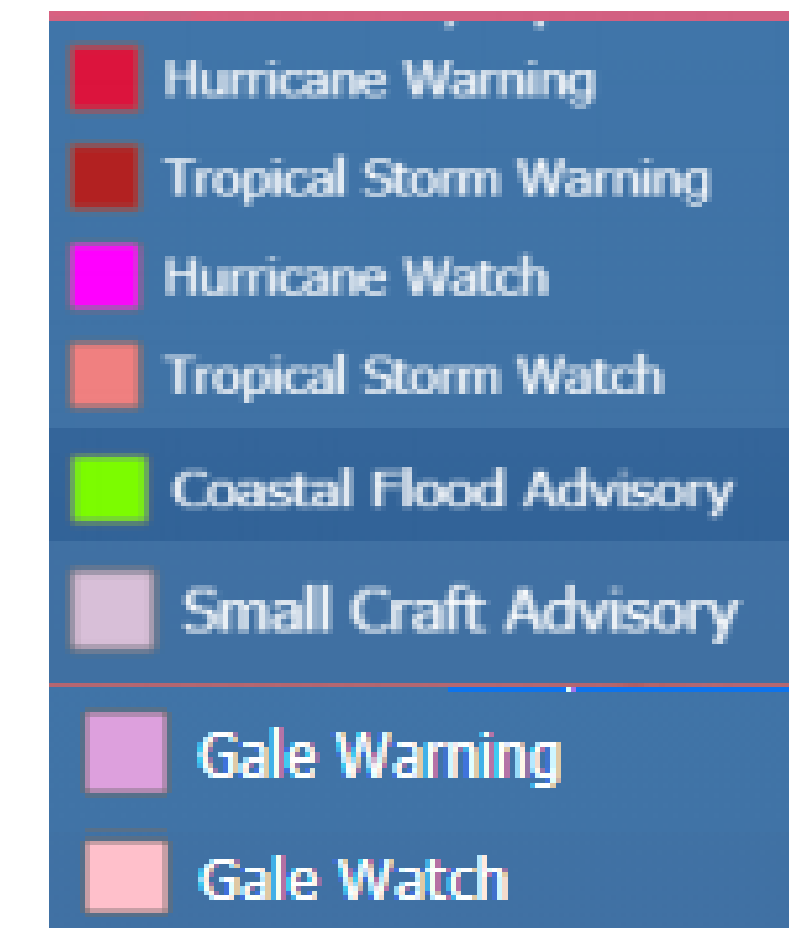
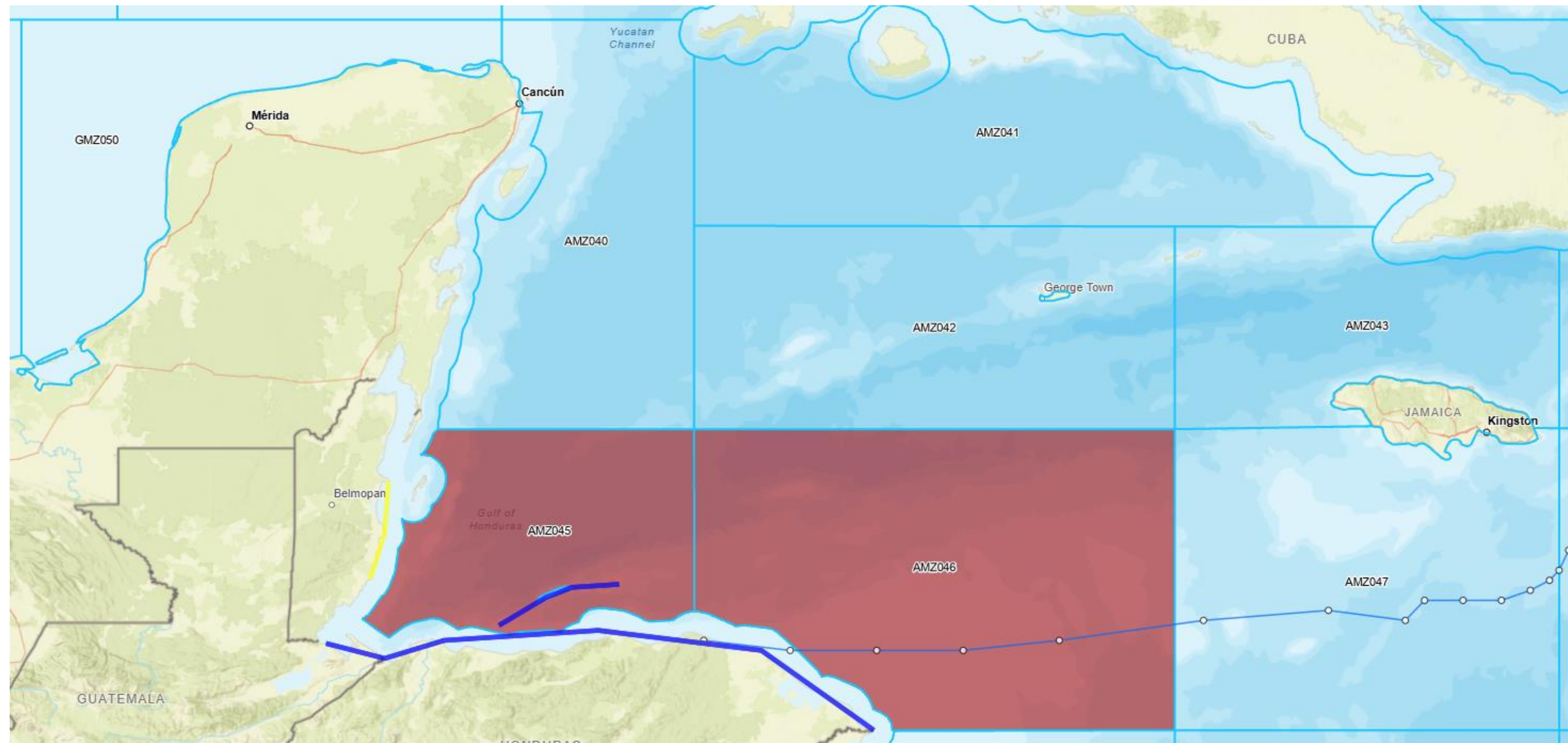
\*\* Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

# Hazards Map

Tropical Storm Sara



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NWS National Hurricane Center

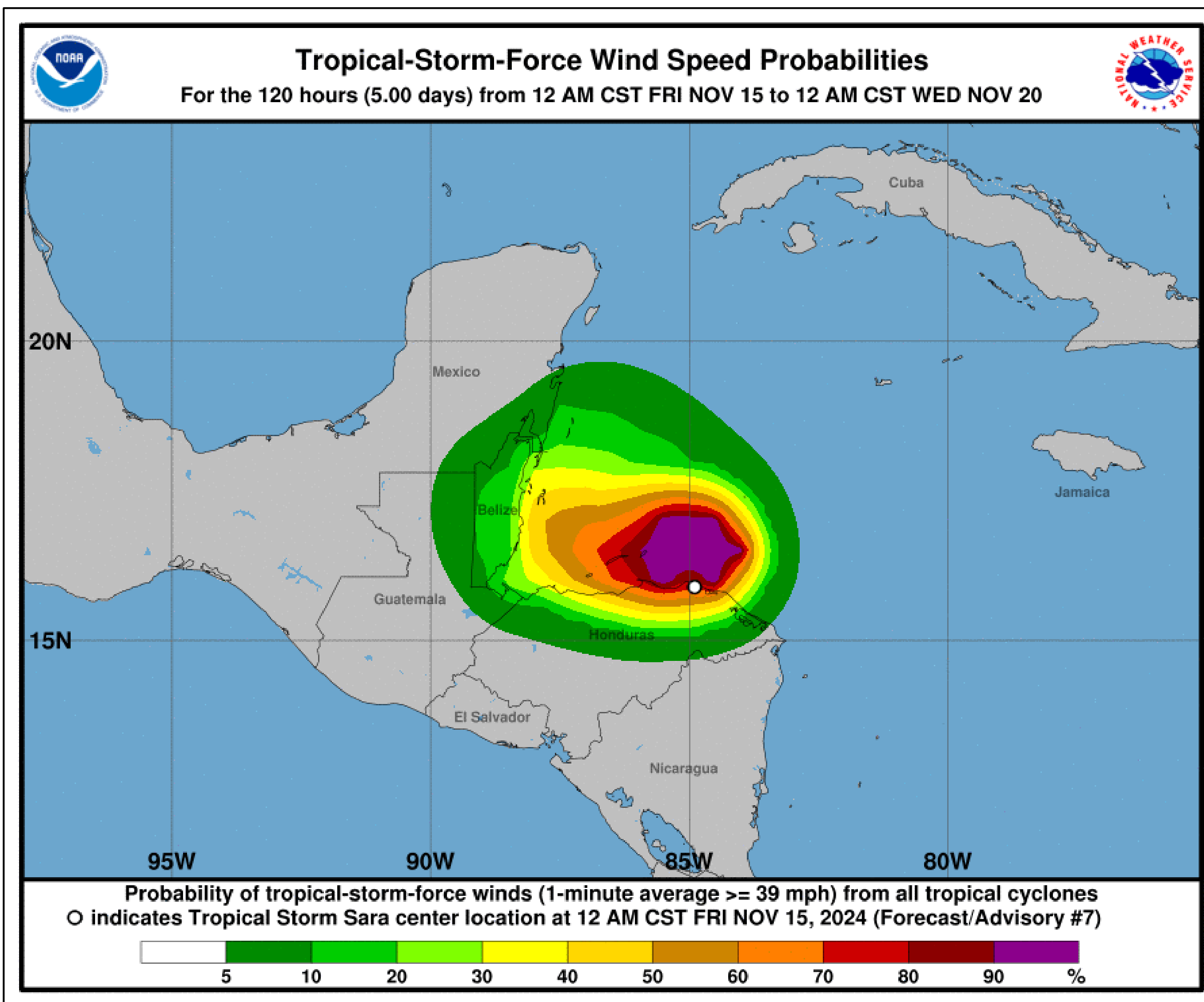


# T.S. Wind Speed Probabilities

Tropical Storm Sara



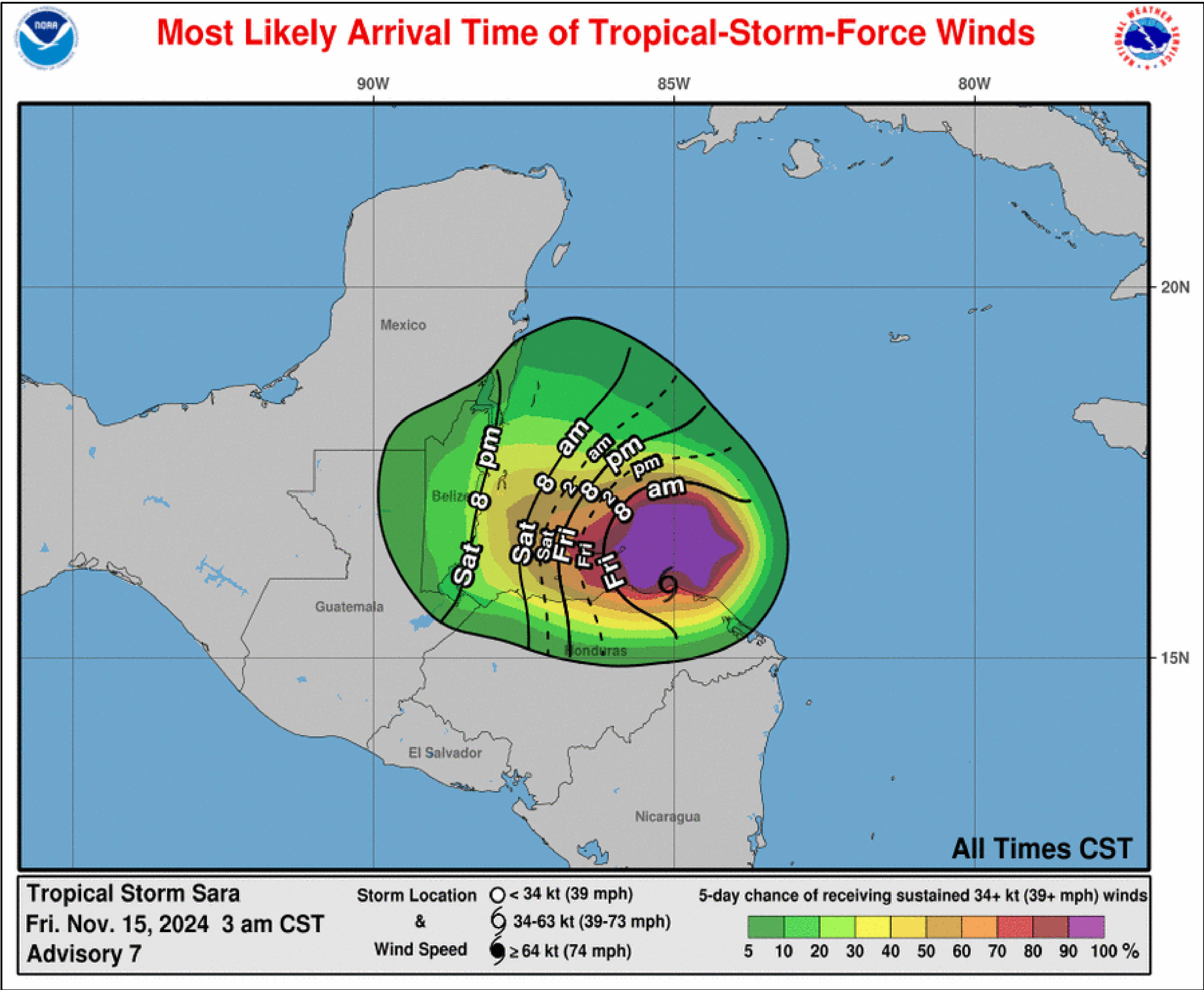
Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- 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 Sara



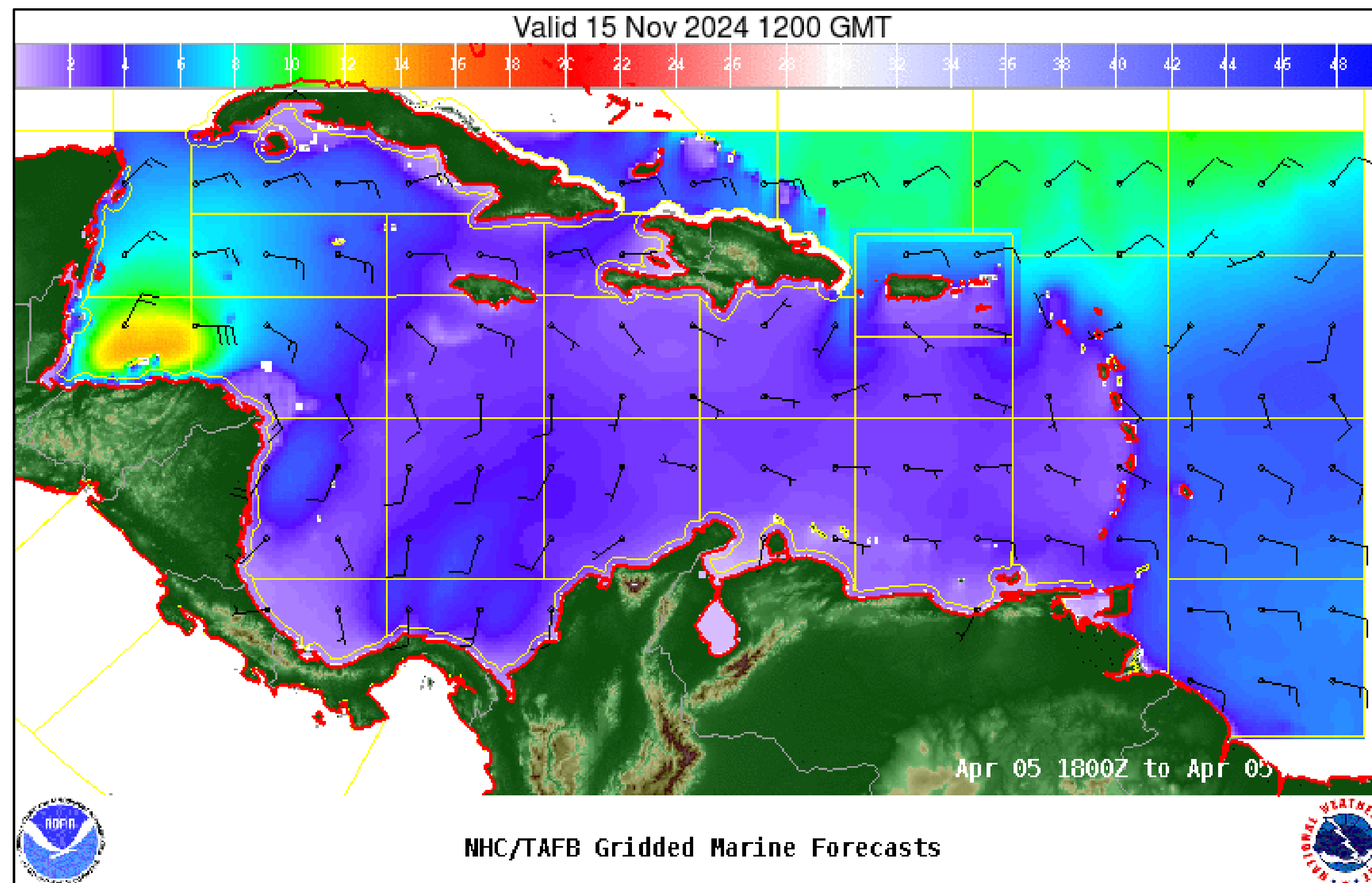
- NE Honduras - On going
  - NW Honduras – Sat morning
  - Guatemala – Sat afternoon
  - Belize – Sat evening
- 
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
  - Clear or dark green are the lowest chances 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

Tropical Storm Sara



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## Current Conditions

Friday, November 15 at 7:00 AM EST

Peak Winds: 14 ft

Peak Seas: 45 kt

- Wave heights are in feet



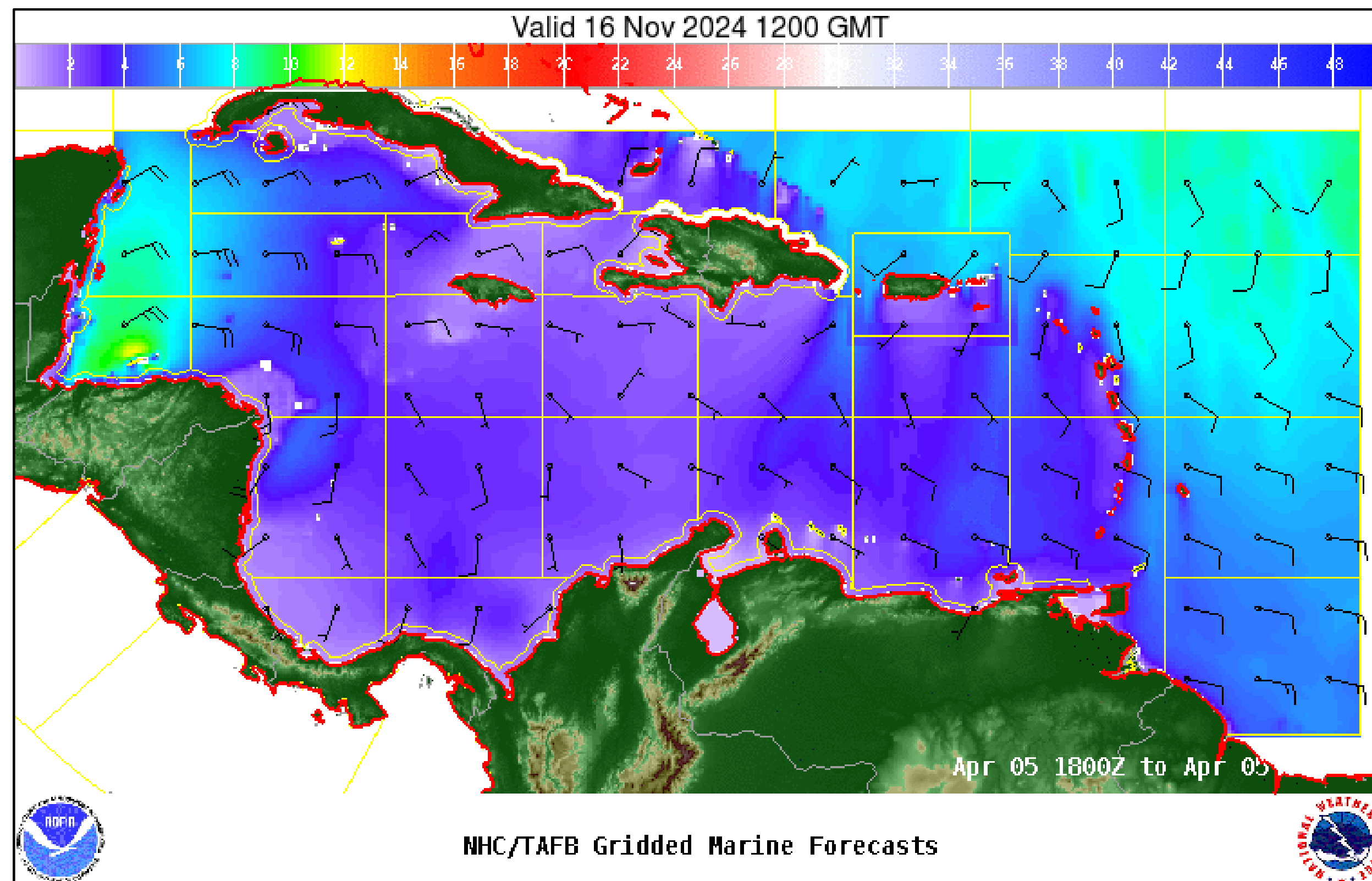
Significant Wave Height (ft)

# Wind And Waves

Tropical Storm Sara



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## 24 Hour Forecast

**Saturday, November 16 at 7:00 AM EST**

Peak Winds: 40 to 45 kt

Peak Seas: 12 ft

- Wave heights are in feet



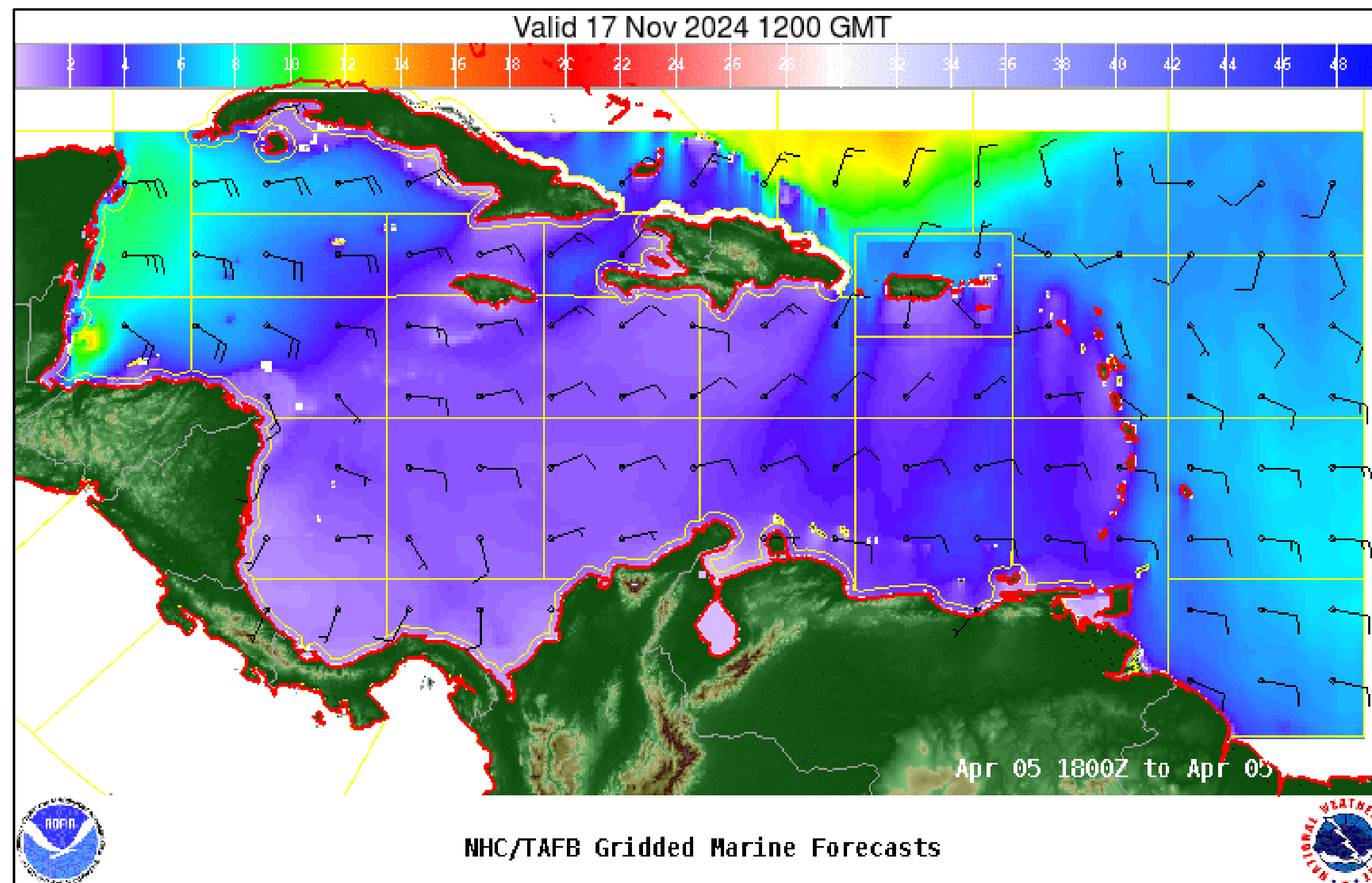
Significant Wave Height (ft)

# Wind And Waves

## Tropical Storm Sara



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### 48 Hour Forecast

**Sunday, November 17 at 7:00 AM EST**

Peak Winds: 45 kt

Peak Seas: 12 to 13 ft

- Wave heights are in feet



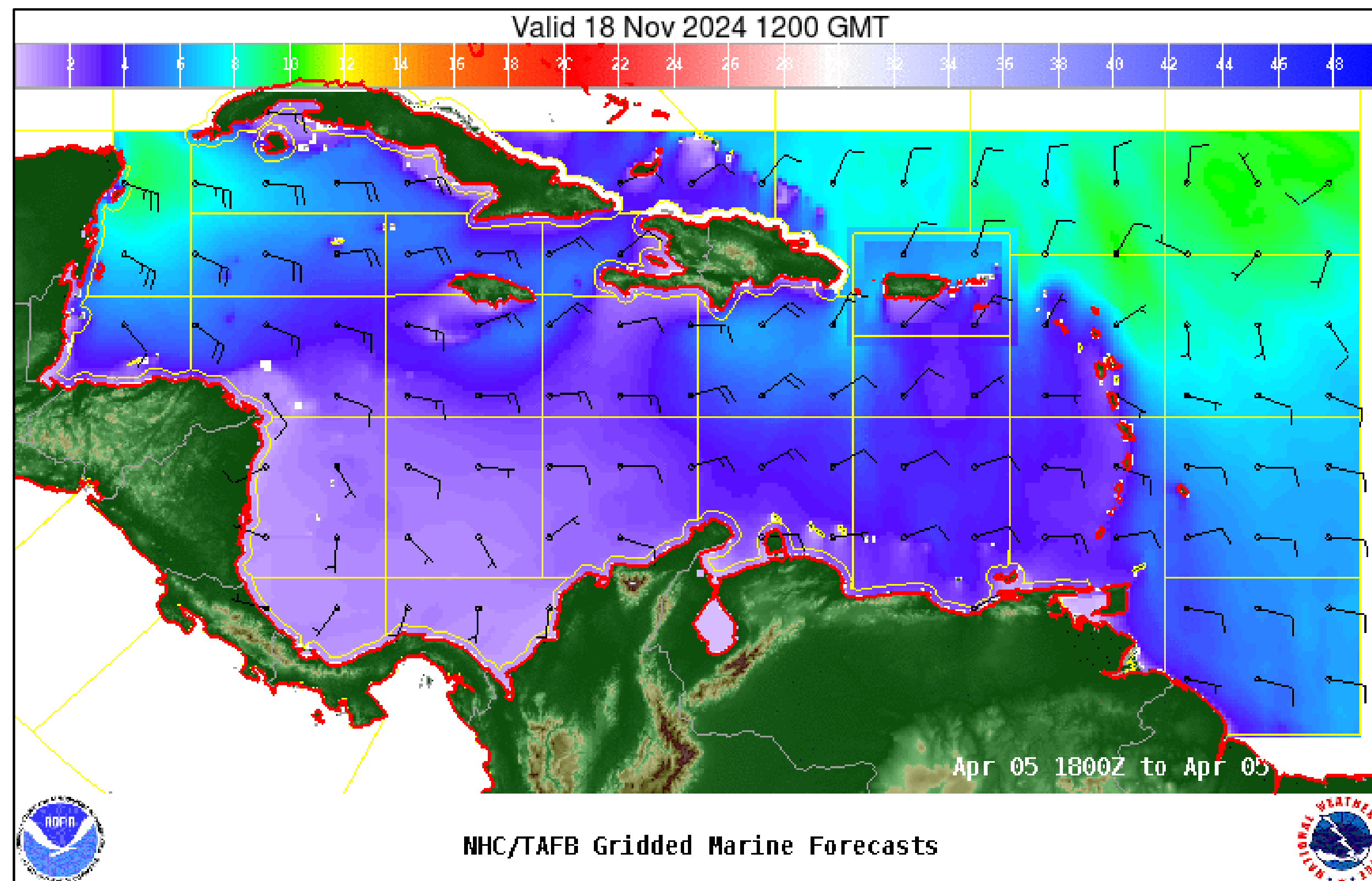
Significant Wave Height (ft)

# Wind And Waves

Tropical Storm Sara



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72 Hour Forecast

Monday, November 18 at 7:00 AM EST

Peak Winds: 25 kt

Peak Seas: 9 ft

- Wave heights are in feet



Significant Wave Height (ft)

# Key Messages

## Tropical Storm Sara



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

### Key Messages for Tropical Storm Sara

Advisory 7: 3:00 AM CST Fri Nov 15, 2024

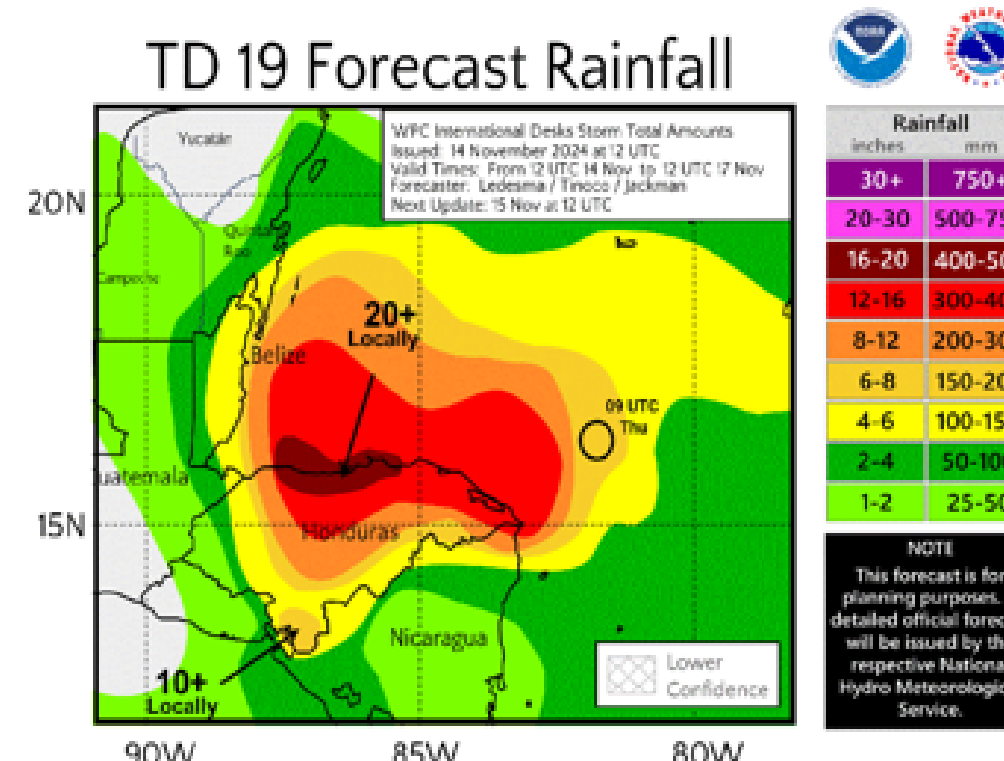
1. Through early next week, heavy rainfall from Sara will cause potentially catastrophic and life-threatening flash flooding and mudslides over northern portions of Honduras.

2. Elsewhere across the rest of Honduras, Belize, El Salvador, eastern Guatemala, western Nicaragua, and the Mexican State of Quintana Roo, heavy rainfall will cause significant and life-threatening flash flooding and mudslides.

3. Tropical storm conditions are expected along portions of the northern coast of Honduras, and the adjacent Bay Islands where tropical storm warnings are in effect.

4. The system is forecast to approach Belize and the Yucatan Peninsula of Mexico late this weekend where there is a risk of strong winds. Residents in these areas should monitor the latest forecast updates.

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



### IMPACTS FOR **D7**

**Winds/US Coast – None**

**Winds/SRR – Medium**

**Waves/US Coastal – None**

**Waves/SRR – Medium**

**US Storm Surge – None**

**US Rainfall/Flash Flooding – None**

**US Tornadoes – None**

### Marine Key Messages:

- Peak seas of 14 ft are currently ongoing. Peak seas will fluctuate between 12 to 14 ft today through Sunday.
- Peak intensity of 45 kt is currently ongoing with little changes in intensity before landfall on Sunday over Belize.
- Sara will likely dissipate late Sunday inland.

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



# TROPICAL STORM SARA BRIEFING

**TIME of NEXT NHC Advisory:**

**15 UTC: 10 AM EST**

*The Next Briefing Will Be:  
Saturday 8:30 AM EST*

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



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