

**IMPACTS FOR D8) (through next 3 days)**

**Winds – Low**

**Storm Surge – Low**

**Rainfall/Flash Flooding – Extreme**

**Tornadoes – Low**

**Waves - Low**

# TROPICAL STORM NICHOLAS BRIEFING



5:00 PM CDT

Tuesday, September 14, 2021

Prepared by:

**Chris Landsea**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*

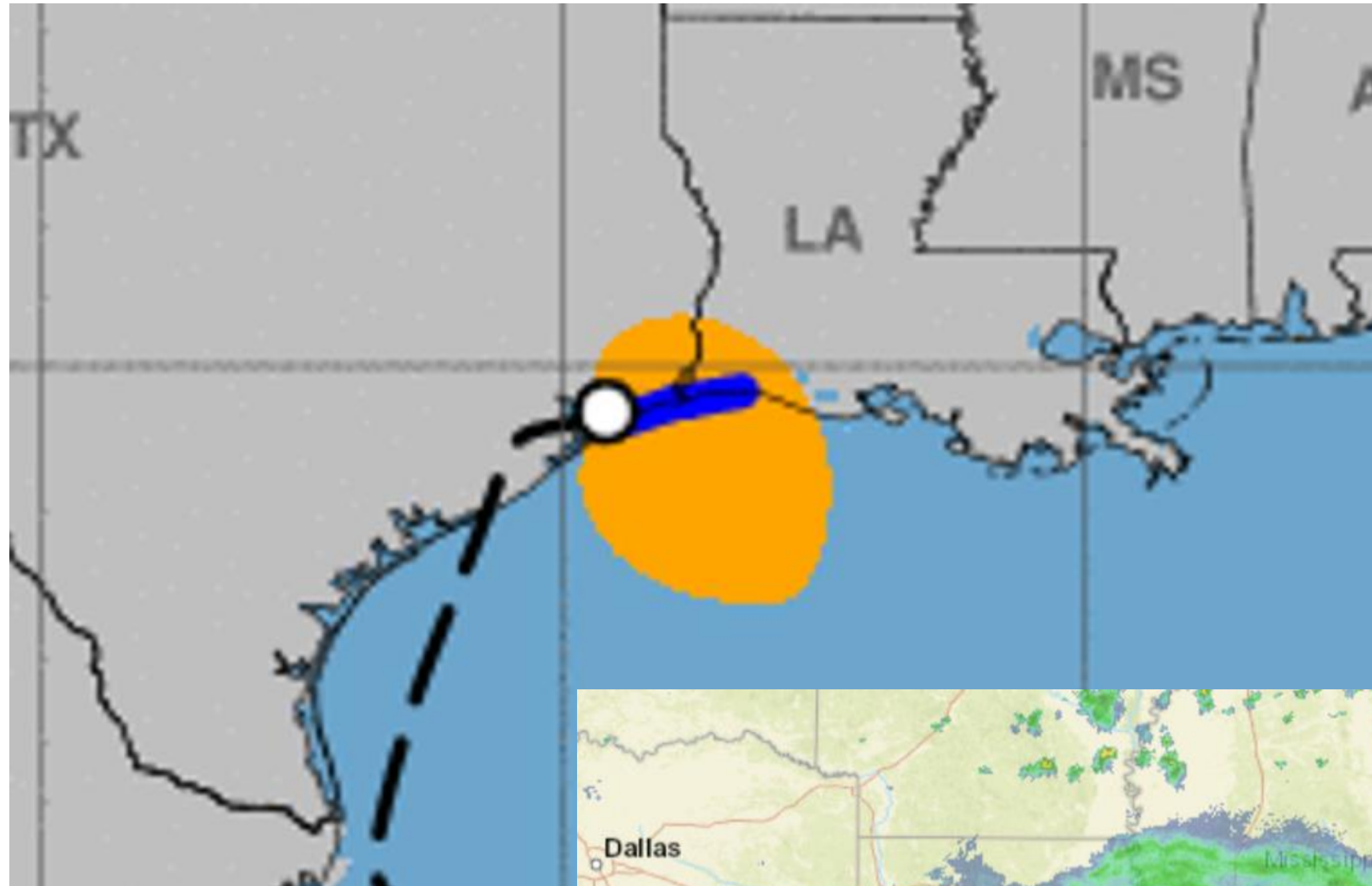


# Situation Overview

Tropical Storm Nicholas



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**...NICHOLAS MOVING SLOWLY EAST-NORTHEASTWARD ACROSS THE UPPER TEXAS COASTAL PLAIN...**

**...LIFE-THREATENING FLASH FLOODS EXPECTED ACROSS PORTIONS OF THE DEEP SOUTH DURING THE NEXT COUPLE OF DAYS...**

## SUMMARY OF 400 PM CDT INFORMATION

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LOCATION...29.6N 94.6W  
ABOUT 40 NM E OF HOUSTON TEXAS  
ABOUT 35 NM WSW OF PORT ARTHUR TEXAS  
MAXIMUM SUSTAINED WINDS...35 KT  
PRESENT MOVEMENT...ENE AT 5 KT  
SIZE (IN NM)  
34 KT..... 70NE 140SE 0SW 0NW  
PEAK SEAS 10 FT

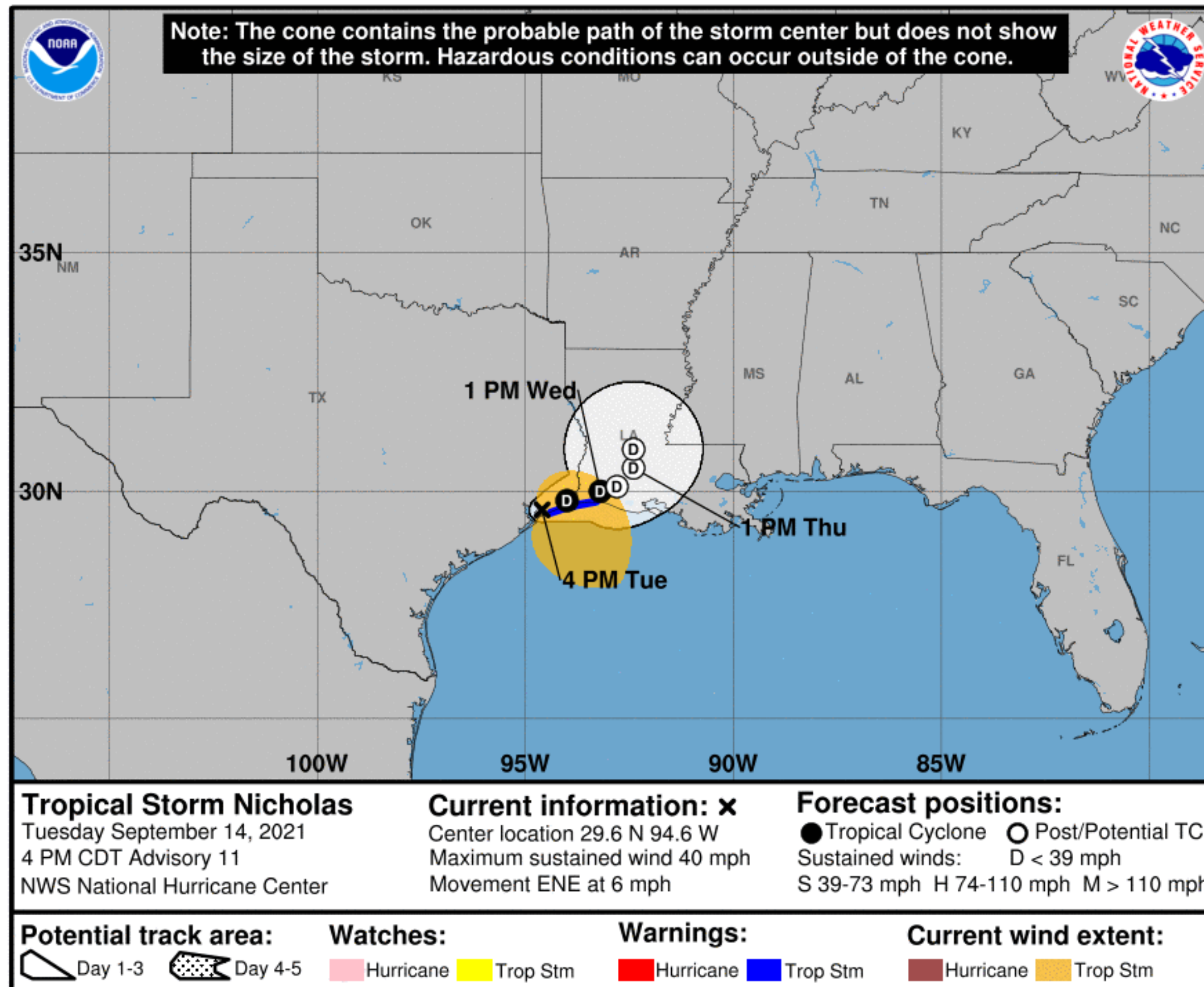


# Forecast Information

## Tropical Storm Nicholas



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

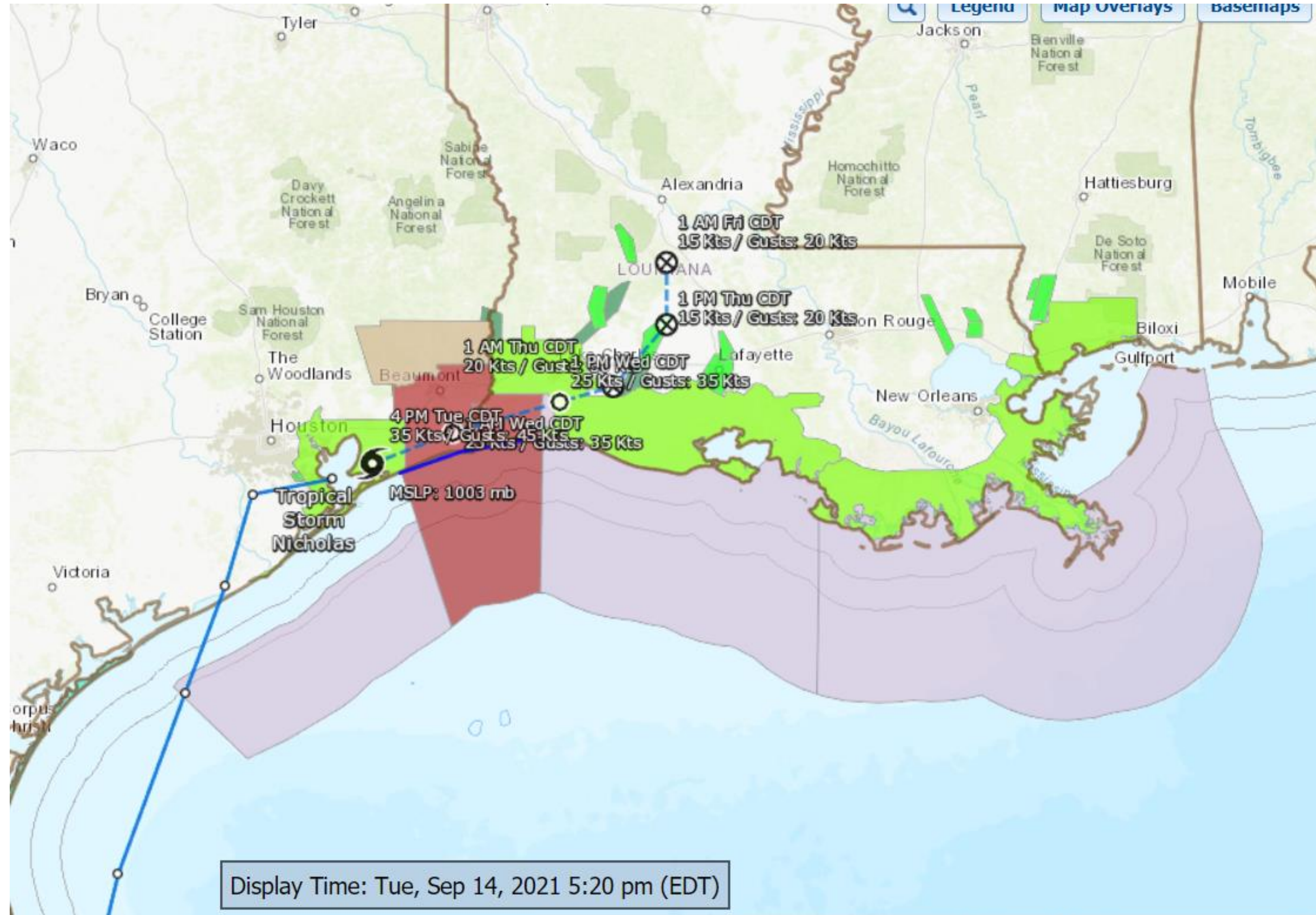
- **Nicholas will move very slowly toward ENE or NE over E Texas and Louisiana**
  - **Nicholas will weaken to a tropical depression by tonight and dissipate on Thursday**
  - Current center forecast positions through the next 3 days illustrated by dots
  - White swath of potential track error added to each side of the forecast track through day 3
- \*\* 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 Nicholas



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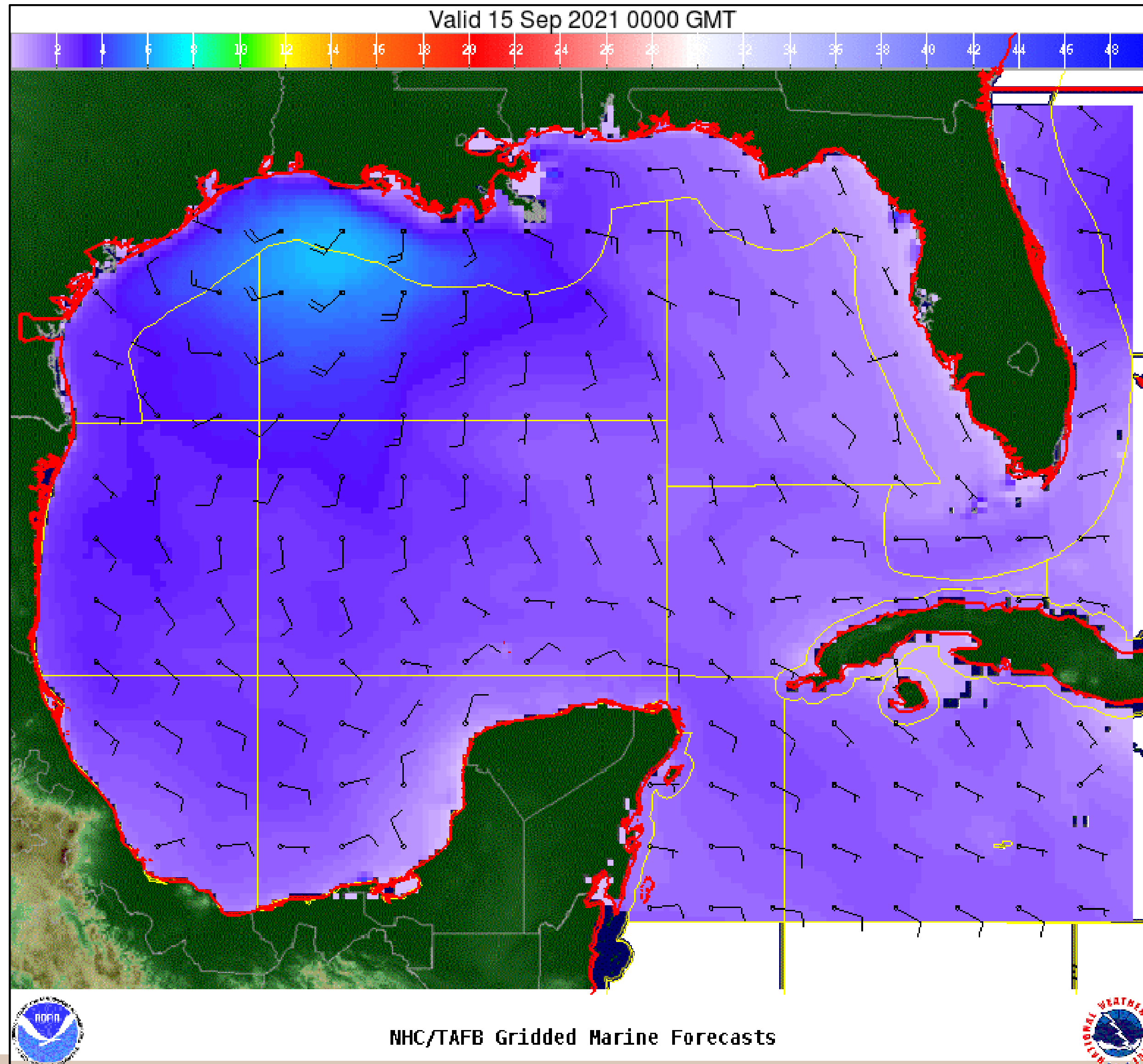
<https://nowcoast.noaa.gov/>

# Wind And Waves

Tropical Storm Nicholas



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



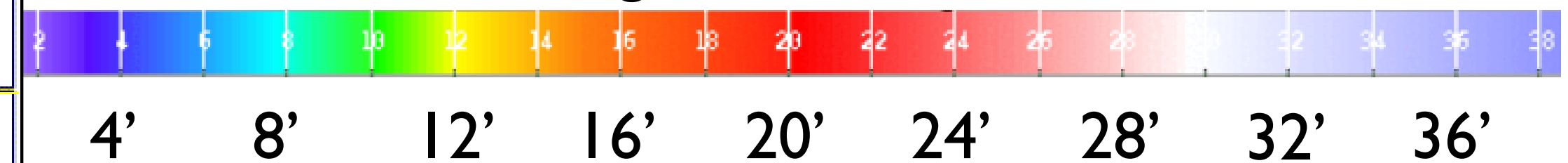
This evening's conditions

7pm CDT, Tuesday, September 14th

Peak Winds: 25 kt (over water)

Peak Seas: 10 ft

■ Wave heights are in feet



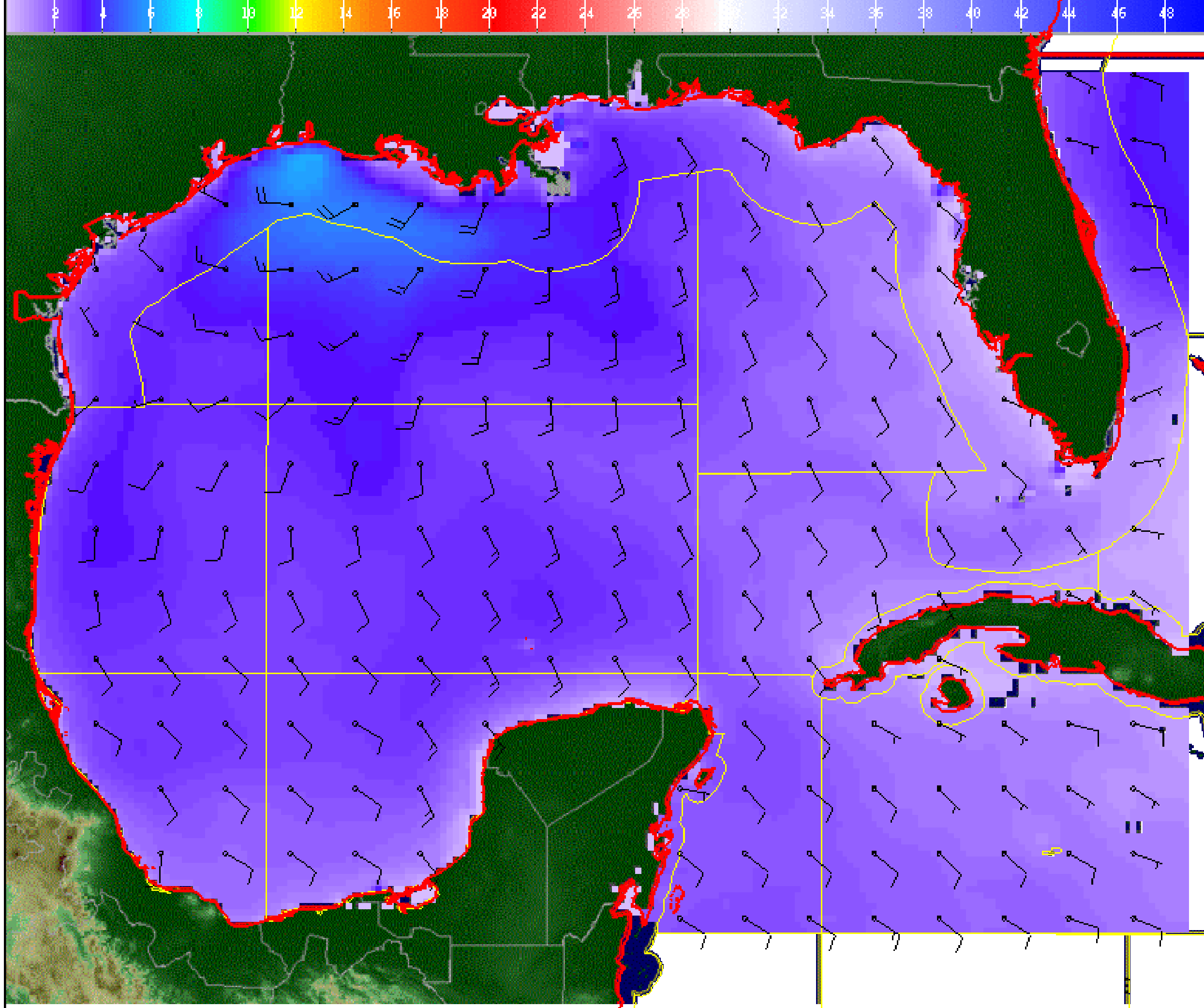
# Wind And Waves

Tropical Storm Nicholas



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

Valid 15 Sep 2021 1200 GMT



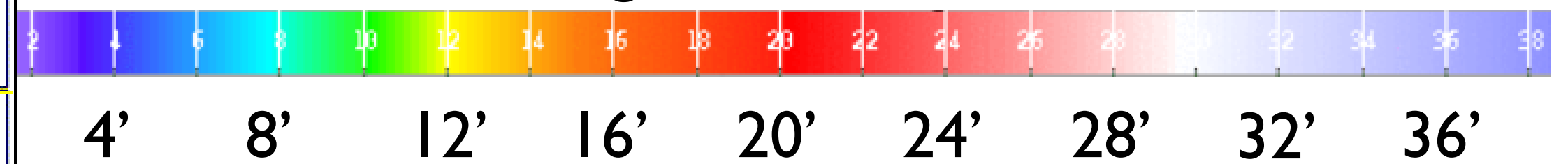
## 24 Hour Forecast

7am CDT, Wednesday, September 15th

Peak Winds: 20 kt (over water)

Peak Seas: 8 ft

■ Wave heights are in feet



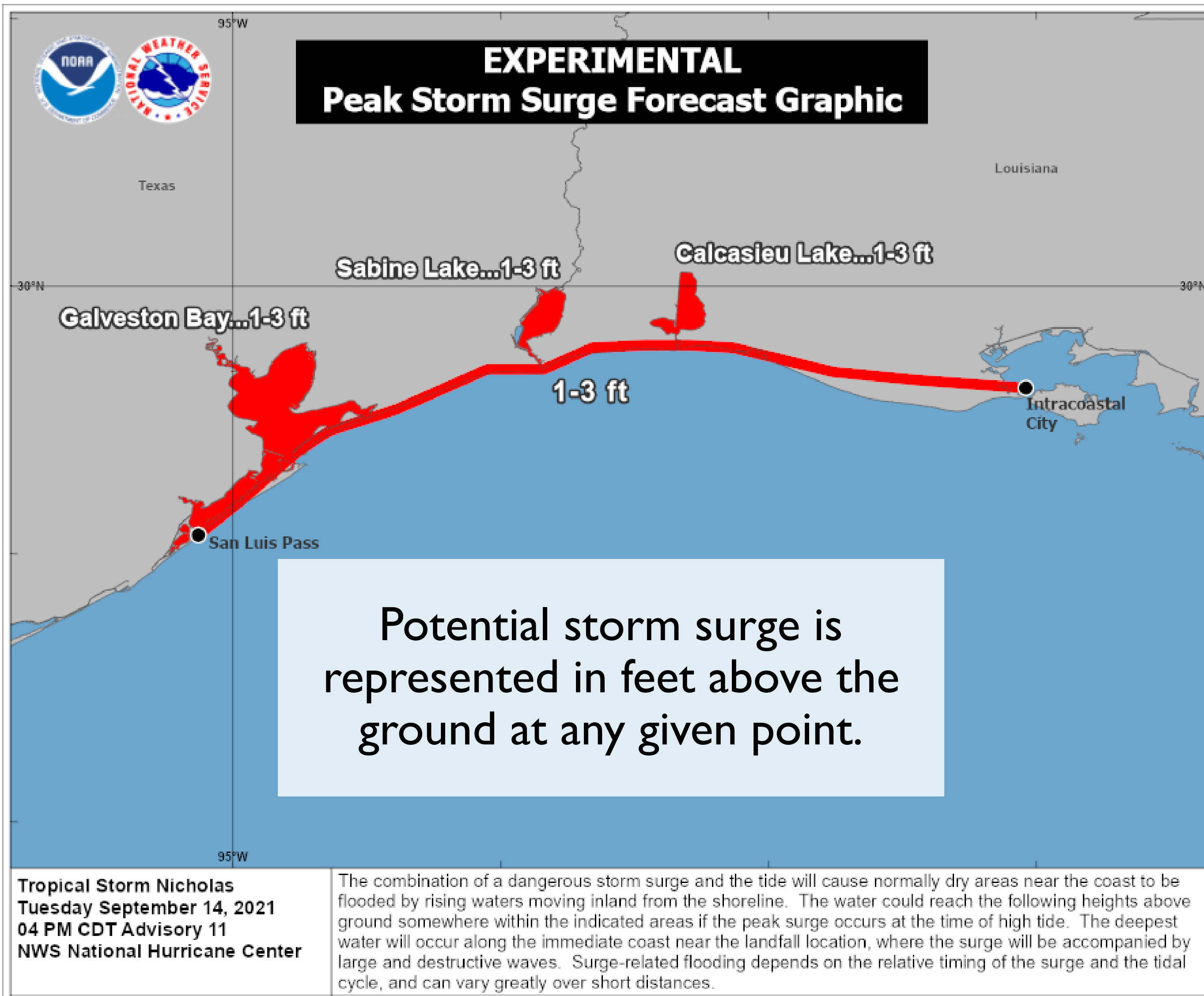
NHC/TAFB Gridded Marine Forecasts

# Potential Peak Storm Surge / Watches and Warnings



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

## Tropical Storm Nicholas



All Storm Surge Watches and Warnings have been discontinued

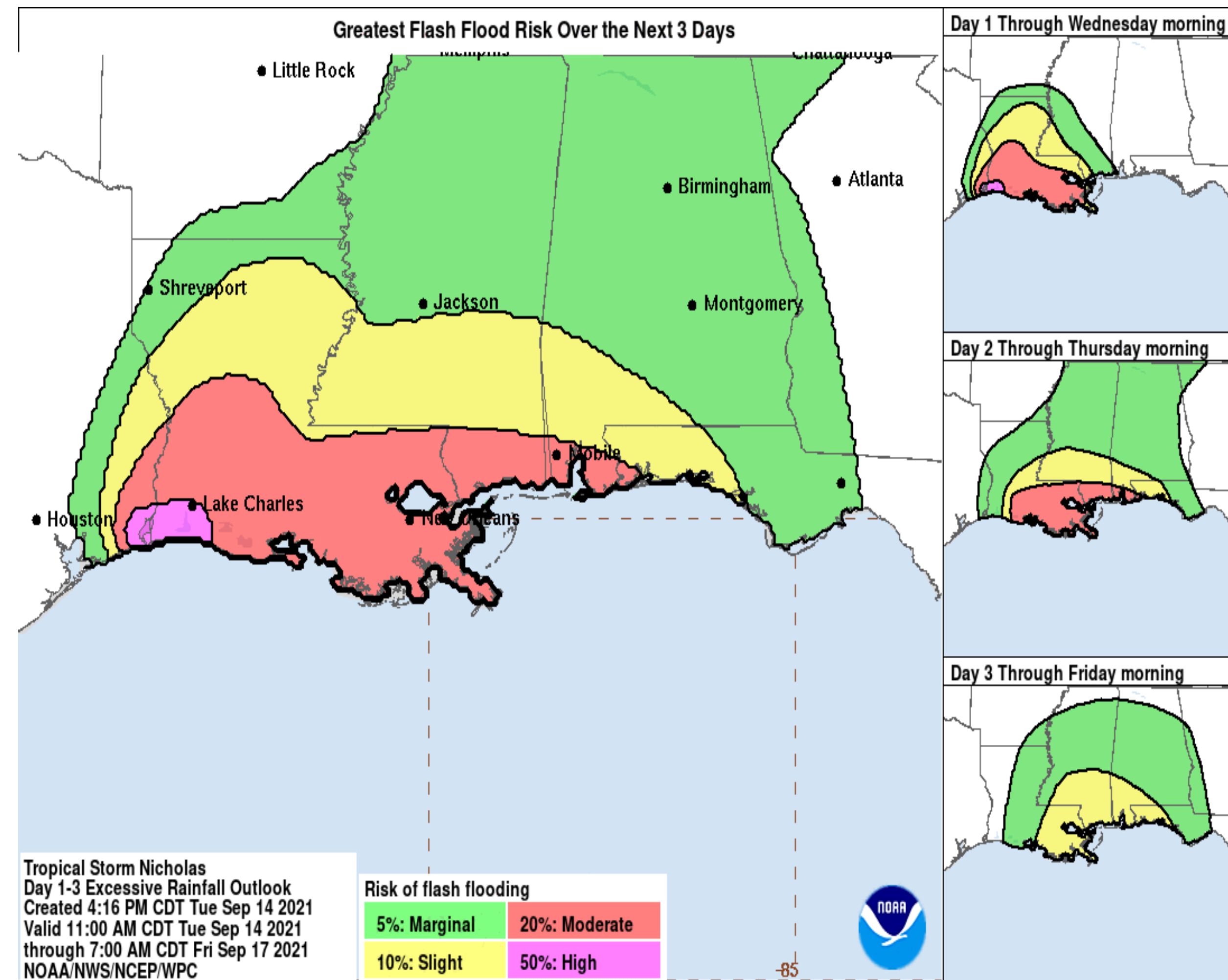
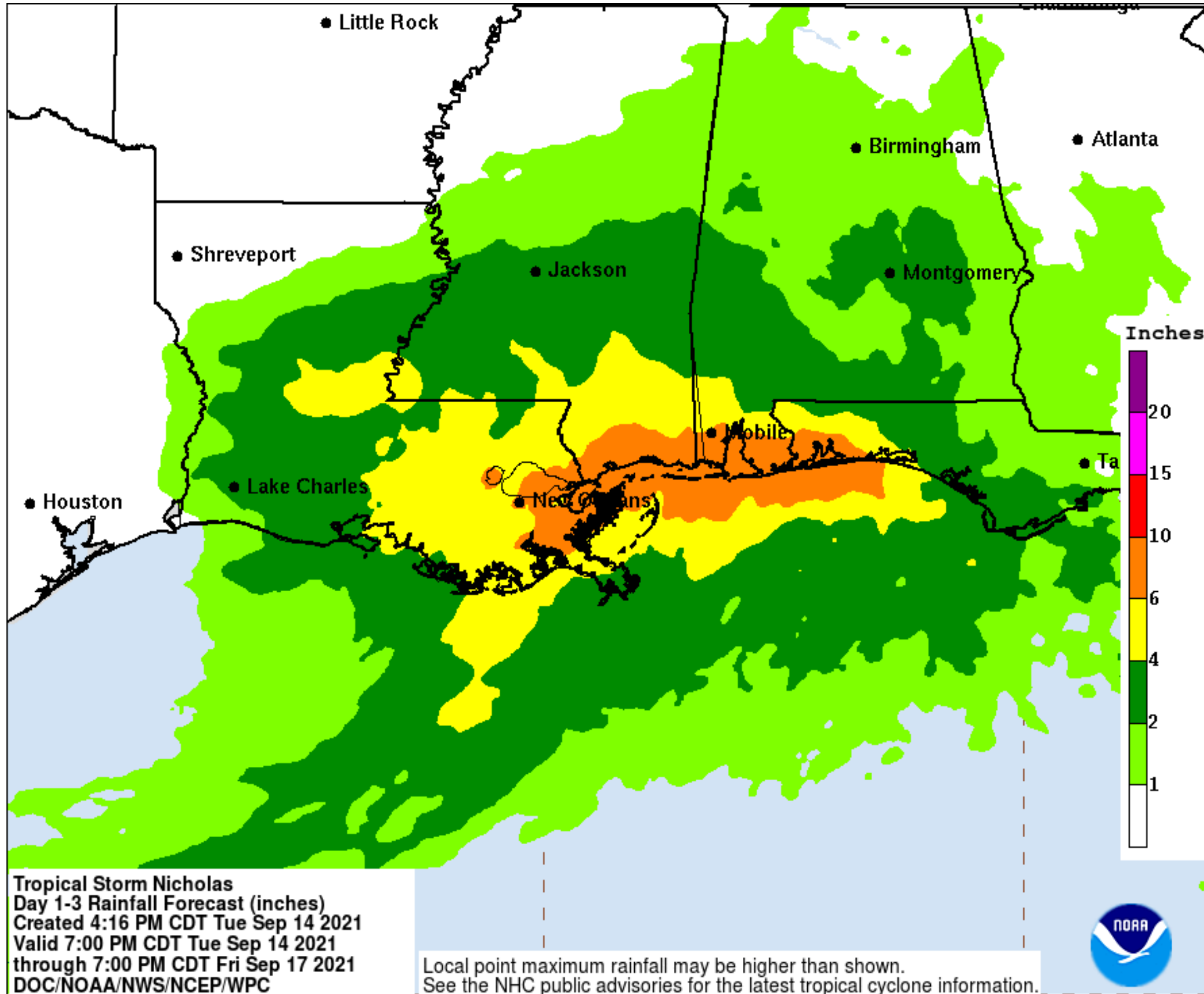
# Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

Tropical Storm Nicholas

Images from NWS Weather Prediction Center



■ Total rainfall in inches through Fri night.

Valid through Fri morning.



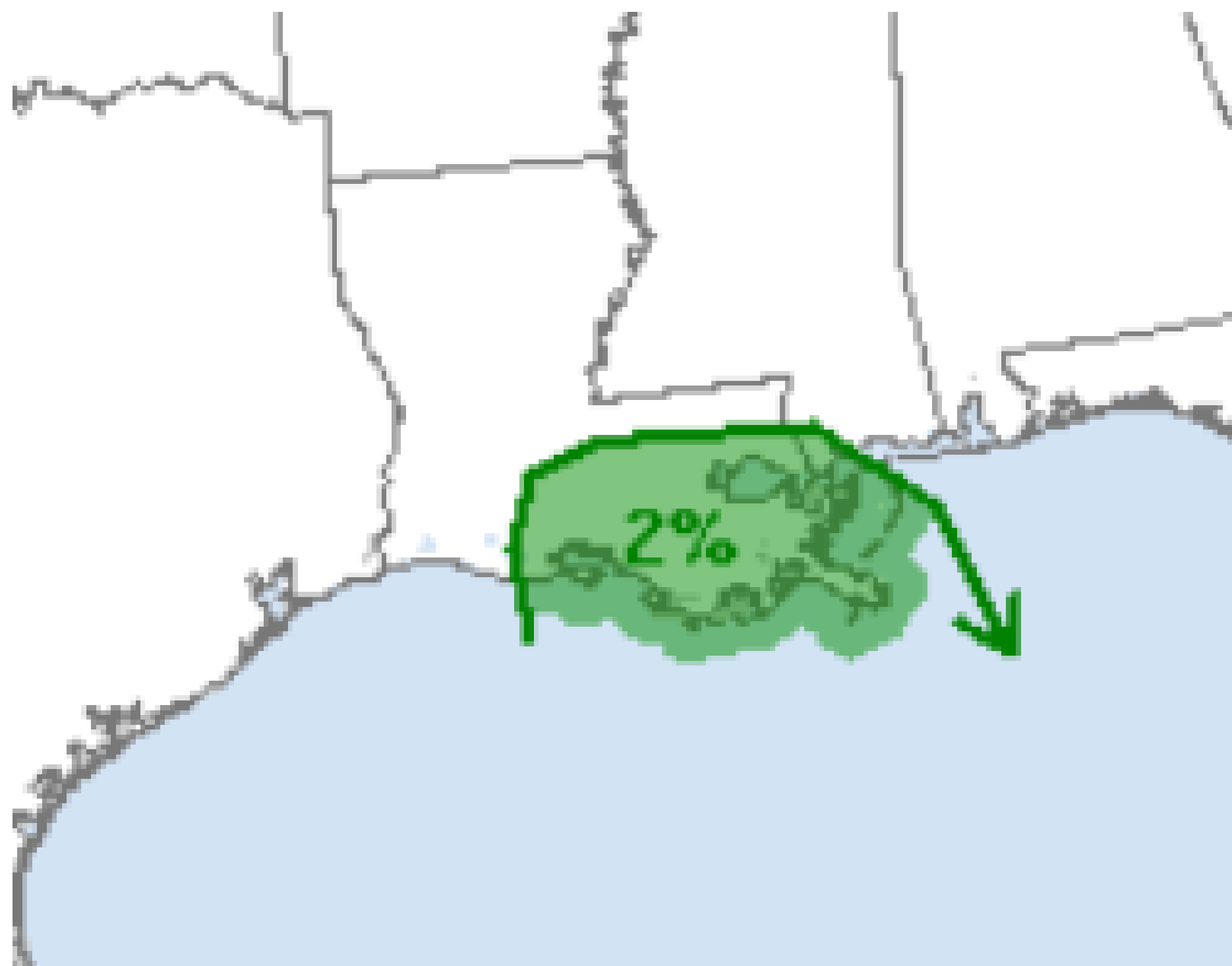
# Tornado Outlook – Days 1 and 2

Tropical Storm Nicholas

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Valid from now through Wed morning



- Valid Wed morning through Thu morning

- An isolated tornado or two will be possible

# Key Messages

## Tropical Storm Nicholas



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Key Messages for Tropical Storm Nicholas

Advisory 11: 4:00 PM CDT Tue Sep 14, 2021



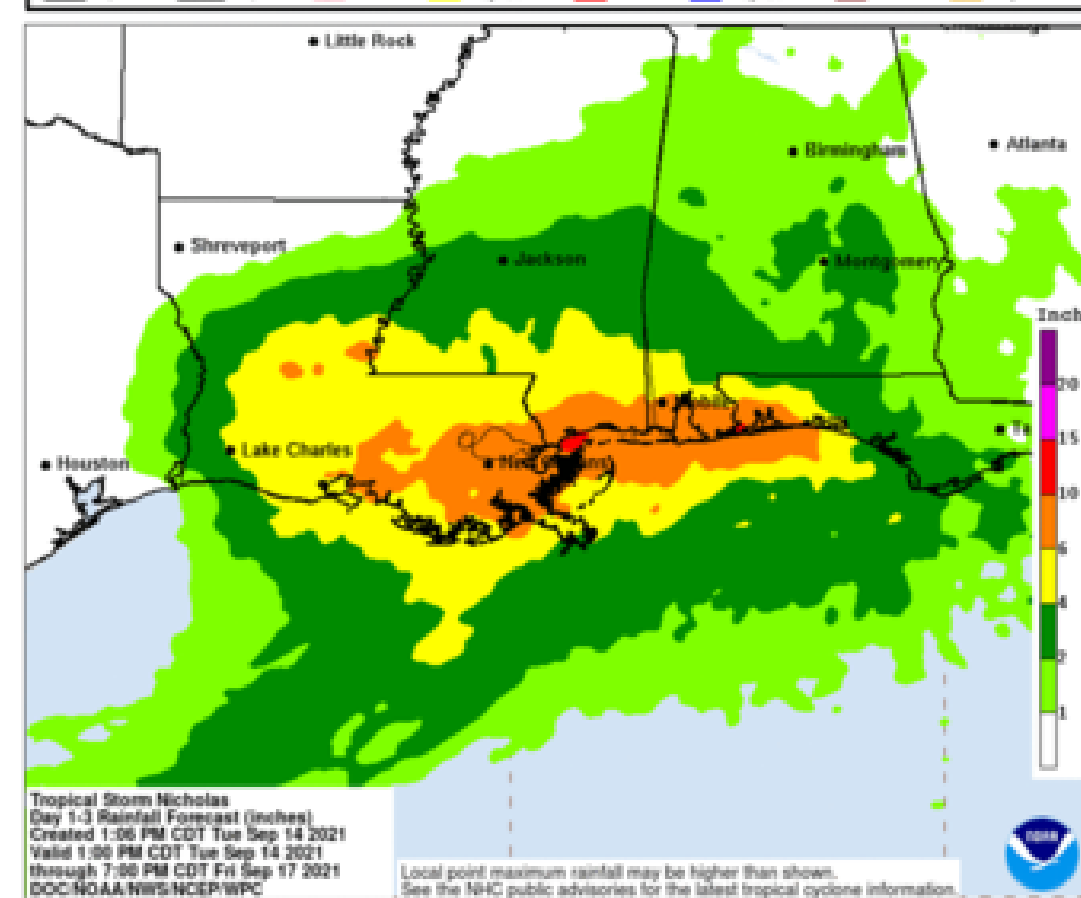
1. Heavy rainfall will impact areas across southern and central Louisiana, southern Mississippi, far southern Alabama, and the western Florida Panhandle through early Friday. Significant rainfall amounts are expected, potentially resulting in areas of life-threatening flash and urban flooding across these areas. Widespread minor to isolated moderate river flooding is also possible.

2. Storm surge inundation along the coasts of upper Texas and southwestern Louisiana will gradually diminish into tonight.

3. Tropical storm conditions in the warning area long portions of the upper Texas and southwestern Louisiana coasts will gradually subside by this evening.



<b>Tropical Storm Nicholas</b> Tuesday September 14, 2021 4 PM CDT Advisory 11 NWS National Hurricane Center	<b>Current information:</b> x Center location 29.6 N 94.6 W Maximum sustained wind 40 mph Movement ENE at 6 mph	<b>Forecast positions:</b> ● Tropical Cyclone ○ Post-Potential TC Sustained winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110 mph
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For more information go to [hurricanes.gov](https://hurricanes.gov)

### IMPACTS FOR D8) (through next 3 days)

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Rainfall/Flash Flooding – Extreme

Tornadoes – Low

Waves - Low



# TROPICAL STORM NICHOLAS BRIEFING

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

*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)