

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

**Winds – Moderate**

**Storm Surge – Moderate**

**Rainfall/Flash Flooding – Extreme**

**Tornadoes – Low**

**Waves - Moderate**

# TROPICAL STORM NICHOLAS BRIEFING



10:00 AM CDT  
Tuesday, September 14, 2021

Prepared by:

**Chris Landsea**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

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

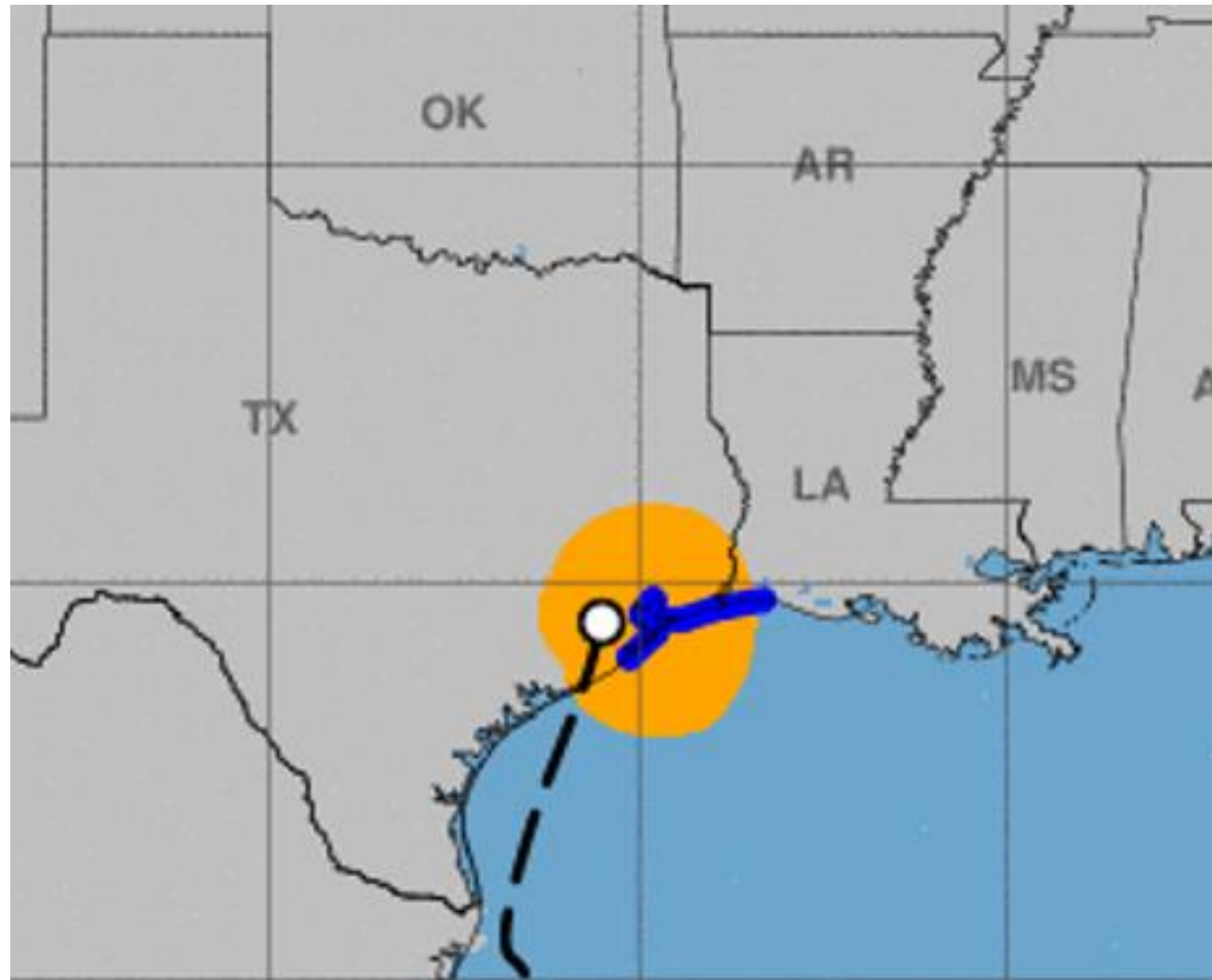


# Situation Overview

Tropical Storm Nicholas



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**...NICHOLAS MOVING SLOWLY TOWARD  
THE HOUSTON METROPOLITAN AREA...**

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

SUMMARY OF 700 AM CDT INFORMATION

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LOCATION...29.5N 95.5W  
ABOUT 15 NM SSW OF HOUSTON TEXAS  
ABOUT 80 NM WSW OF BEAUMONT TEXAS  
MAXIMUM SUSTAINED WINDS...50 KT  
PRESENT MOVEMENT...NNE AT 7 KT  
50 KT..... 60NE 40SE 0SW 20NW.  
34 KT..... 110NE 110SE 40SW 50NW.  
12 FT SEAS.. 0NE 120SE 60SW 0NW.  
PEAK SEAS 18 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 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.

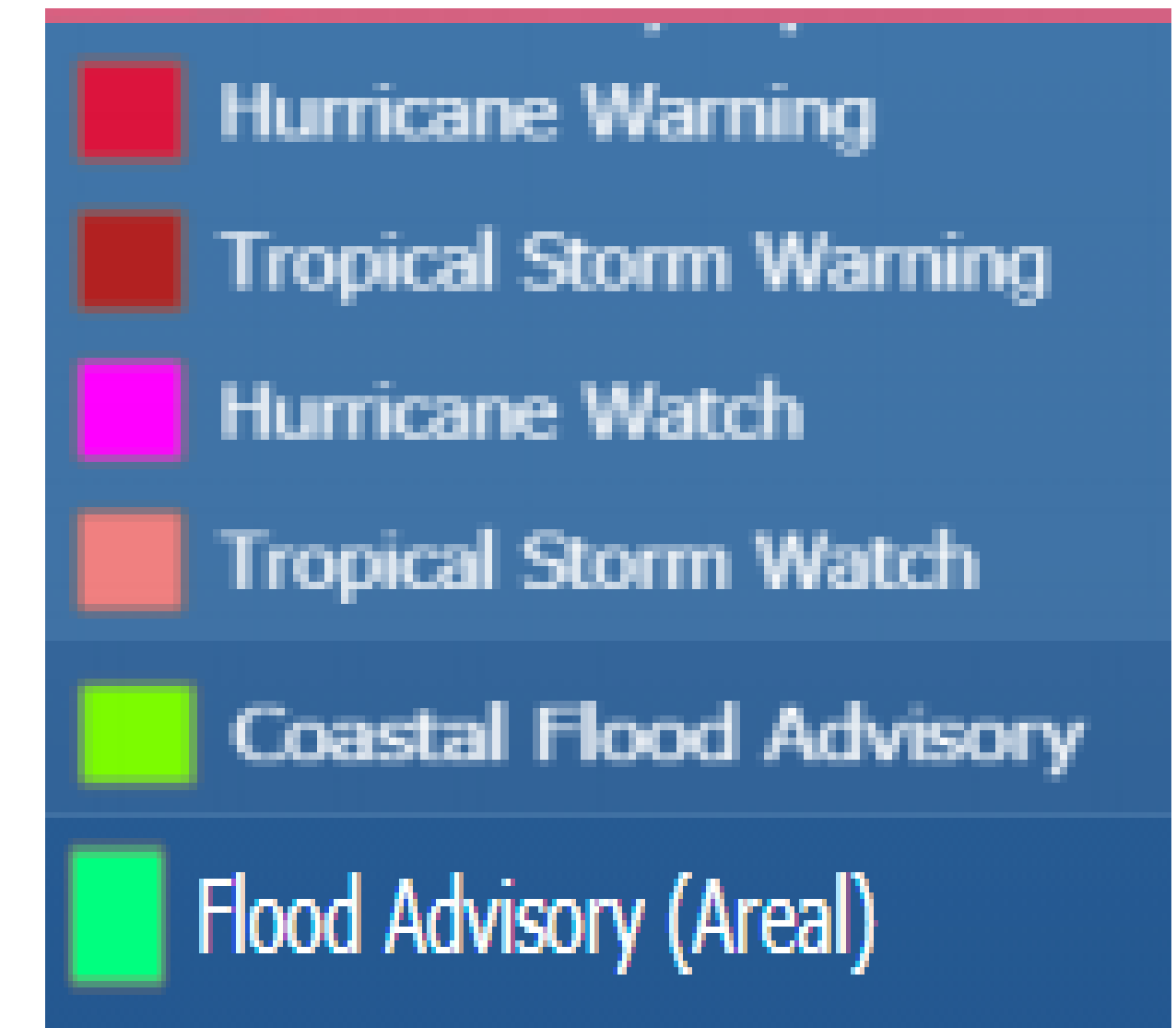


# Hazards Map

## Tropical Storm Nicholas



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

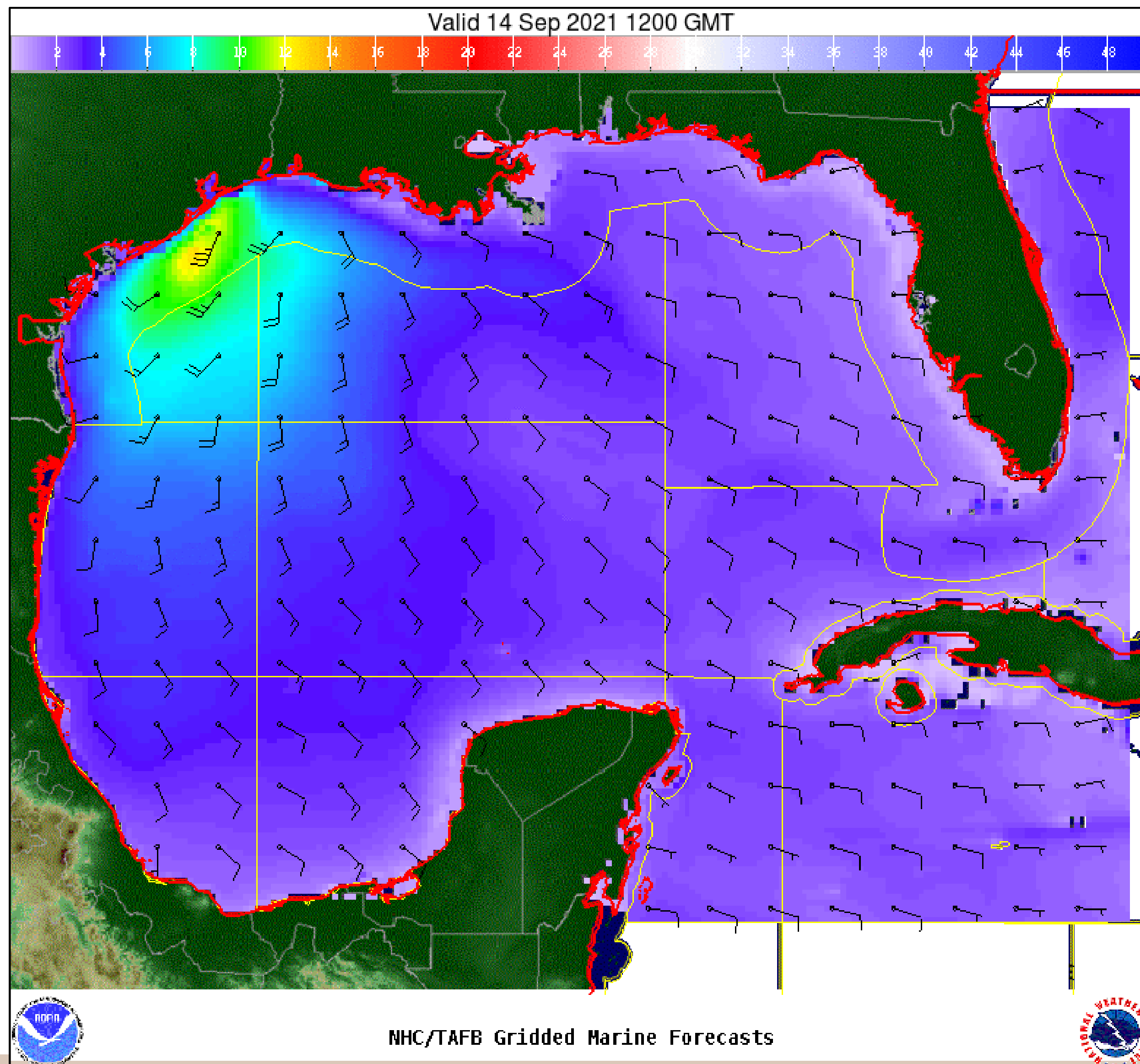


# Wind And Waves

## Tropical Storm Nicholas



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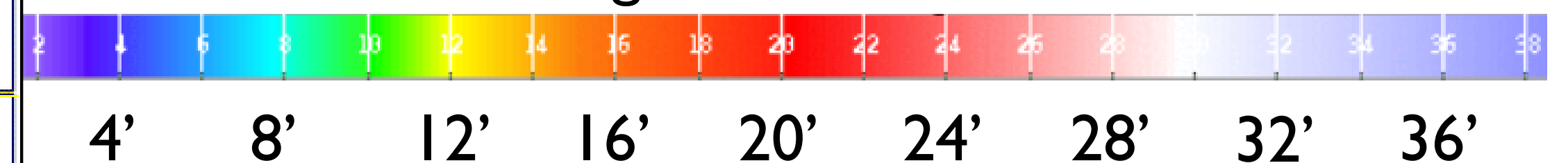
### Current Conditions

7am CDT, Tuesday, September 14th

Peak Winds: 50 kt

Peak Seas: 18 ft

■ Wave heights are in feet

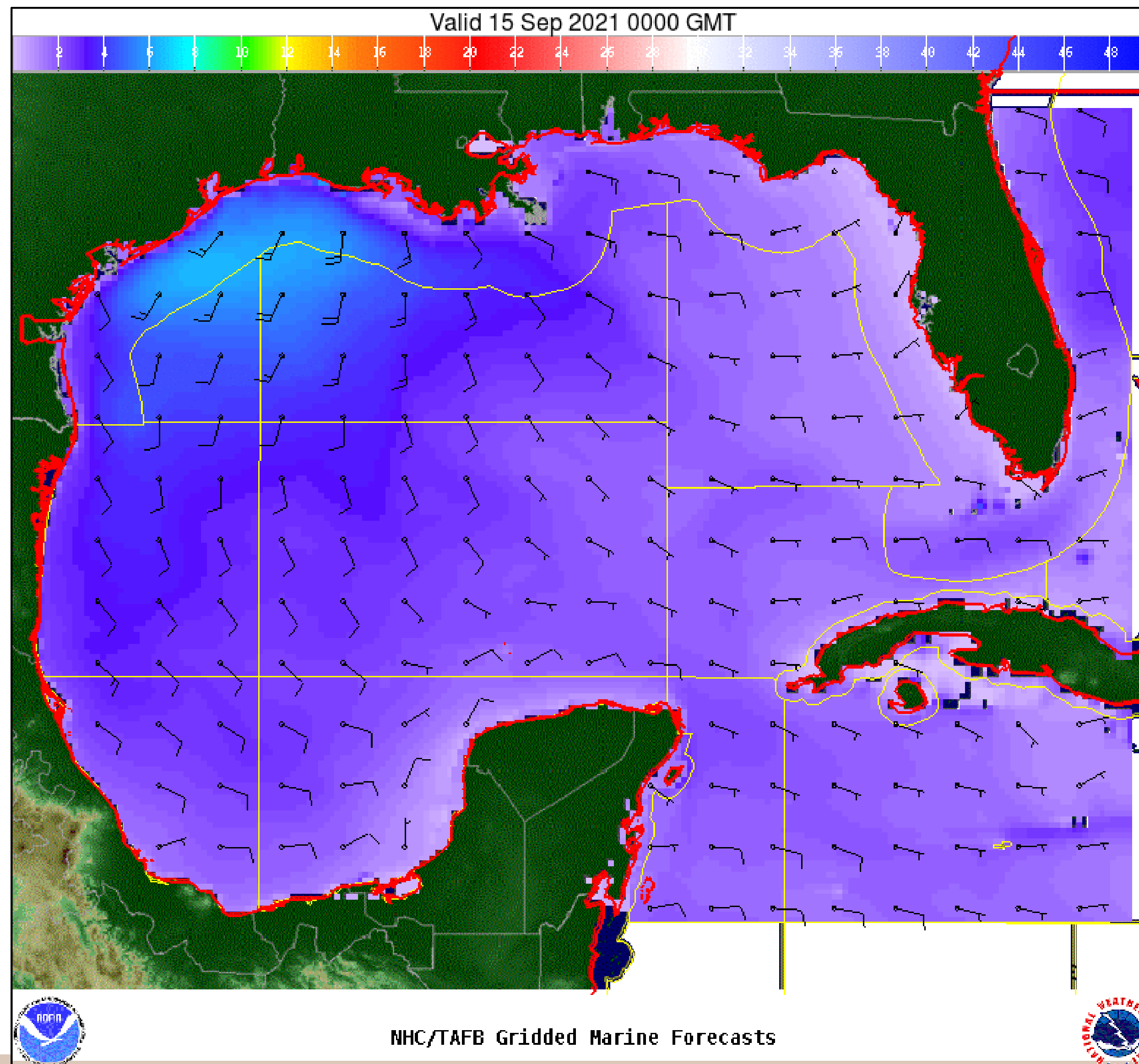


# Wind And Waves

## Tropical Storm Nicholas



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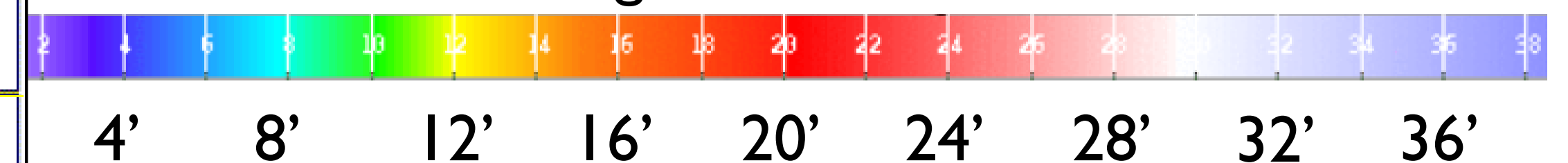
### 12 Hour Forecast

7pm CDT, Tuesday, September 14th

Peak Winds: 25 kt (over water)

Peak Seas: 10 ft

■ Wave heights are in feet

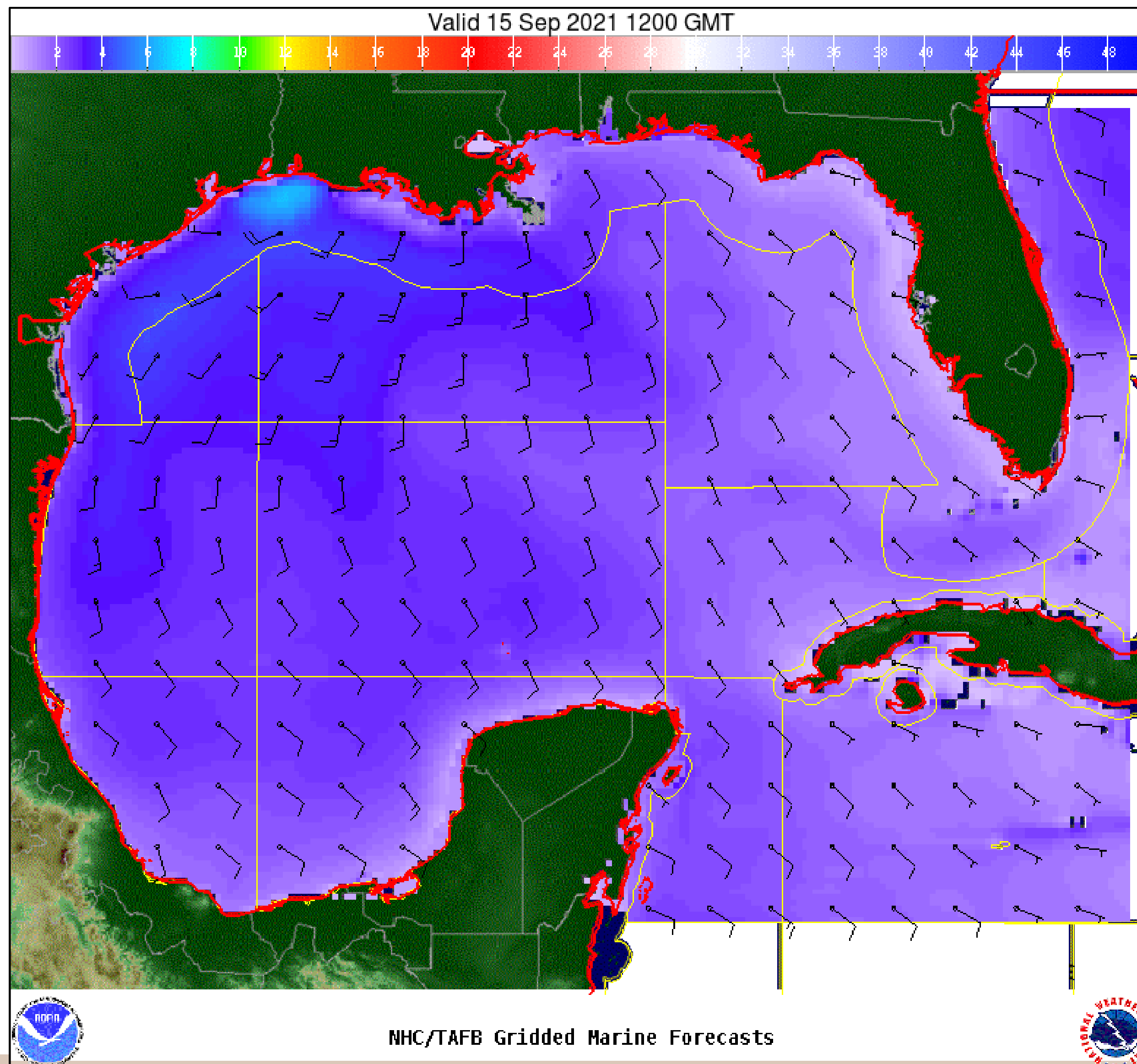


# Wind And Waves

## Tropical Storm Nicholas



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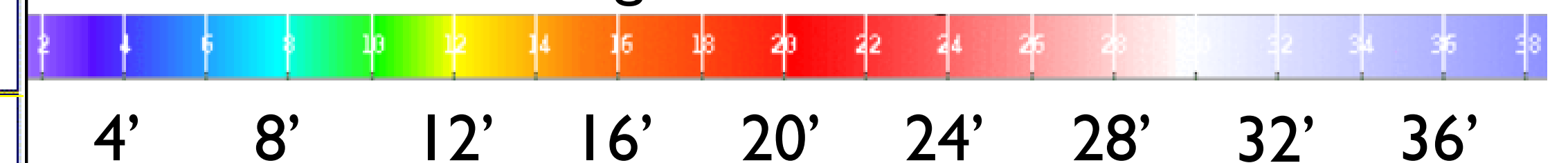
## 24 Hour Forecast

7am CDT, Wednesday, September 15th

Peak Winds: 20 kt (over water)

Peak Seas: 8 ft

■ Wave heights are in feet



# Most Likely Time of Departure for Tropical Storm Winds



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NWS National Hurricane Center

Tropical Storm Nicholas

**Port Arthur, TX**

4pm CDT today

**Freeport, TX**

Now

**Galveston, TX**

11am CDT today

**High Island, TX**

3pm CDT today

**Houston Ship Channel, TX**

1pm CDT today

**Matagorda, TX**

Now

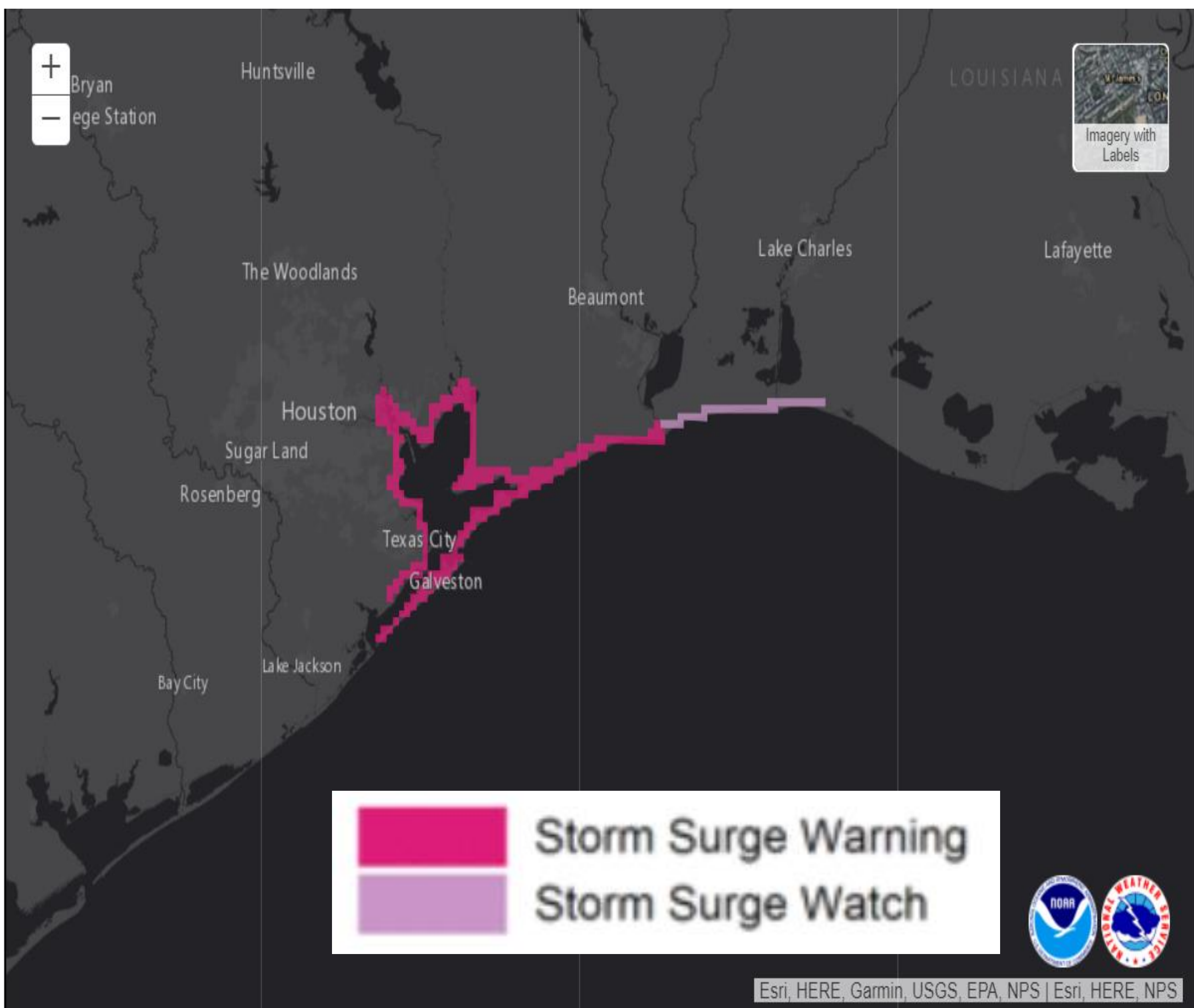
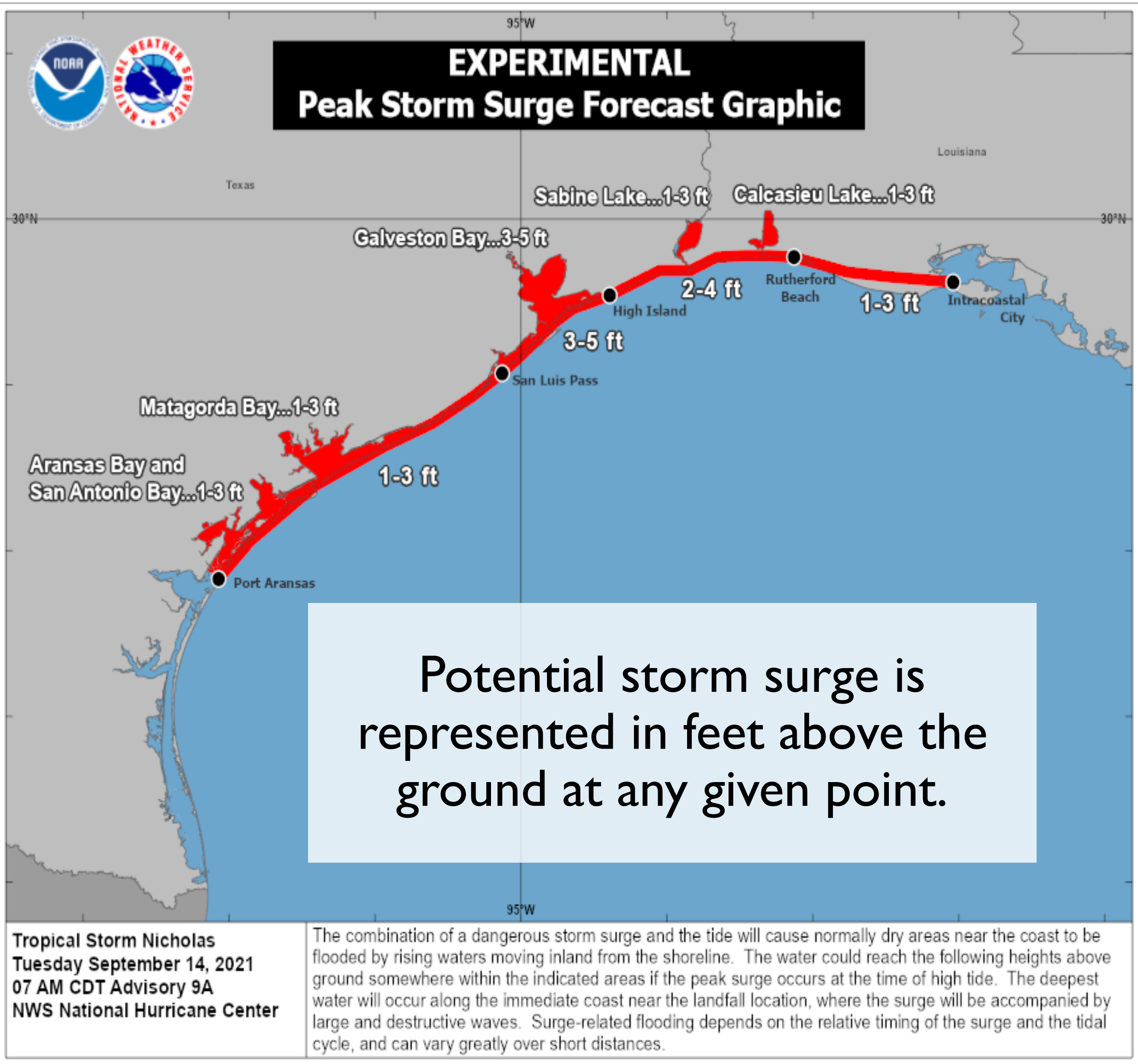


# Potential Peak Storm Surge / Watches and Warnings



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NWS National Hurricane Center

## Tropical Storm Nicholas





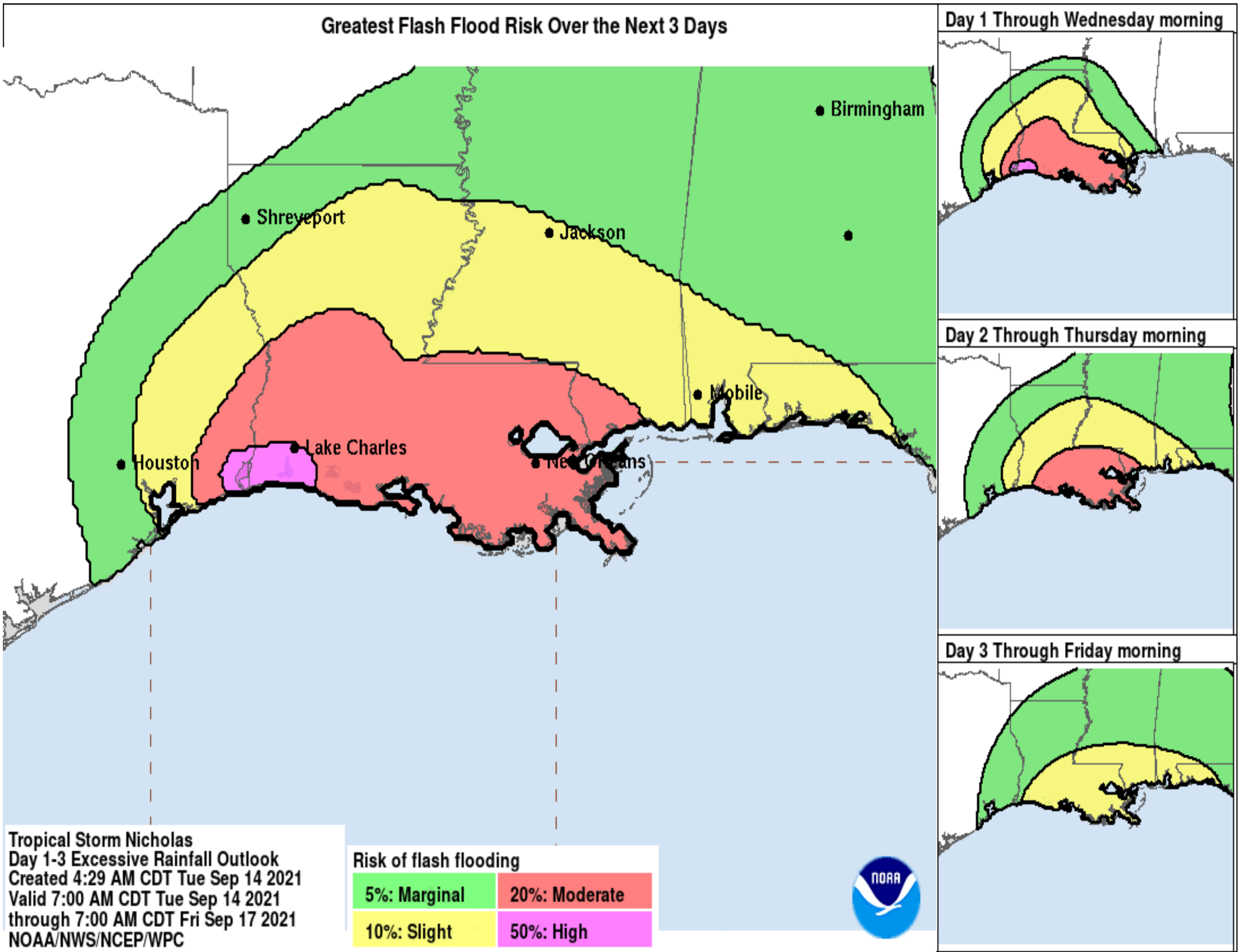
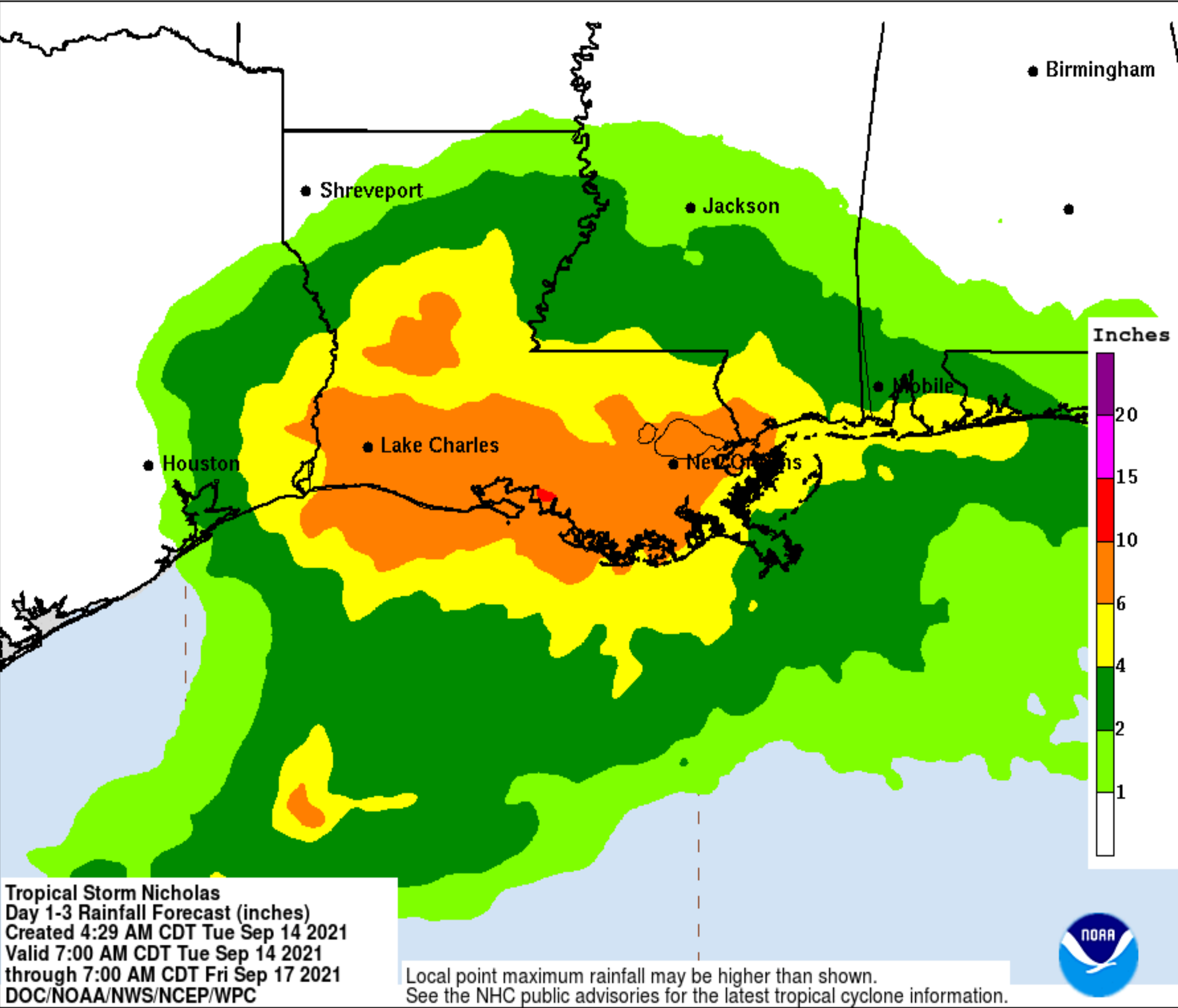
# Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

Tropical Storm Nicholas

Images from NWS Weather Prediction Center



■ Total rainfall in inches through Fri morning.

Valid through Fri morning.



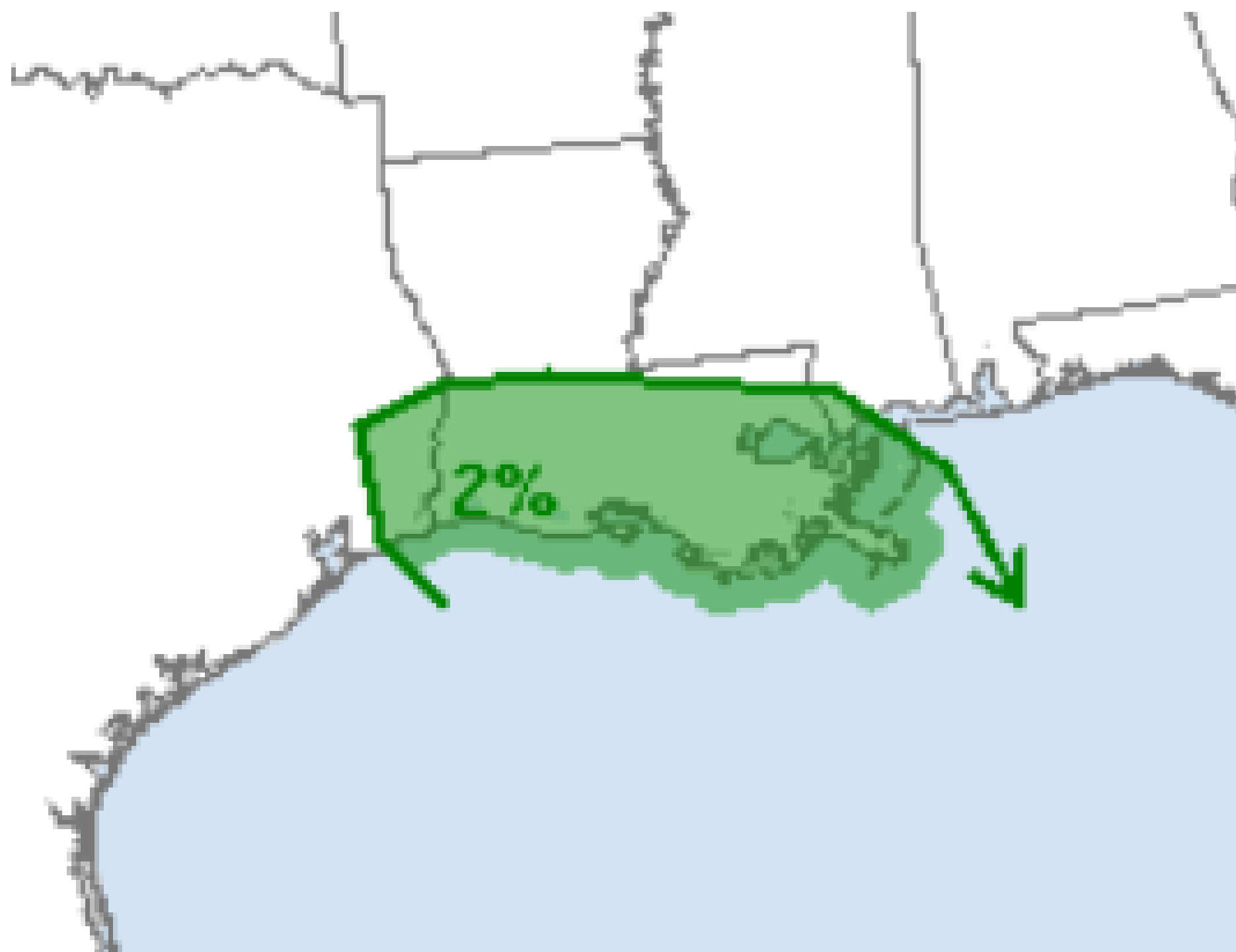
# Tornado Outlook – Days 1 and 2

Tropical Storm Nicholas

Image from NWS Storm Prediction Center



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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



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### Key Messages for Tropical Storm Nicholas

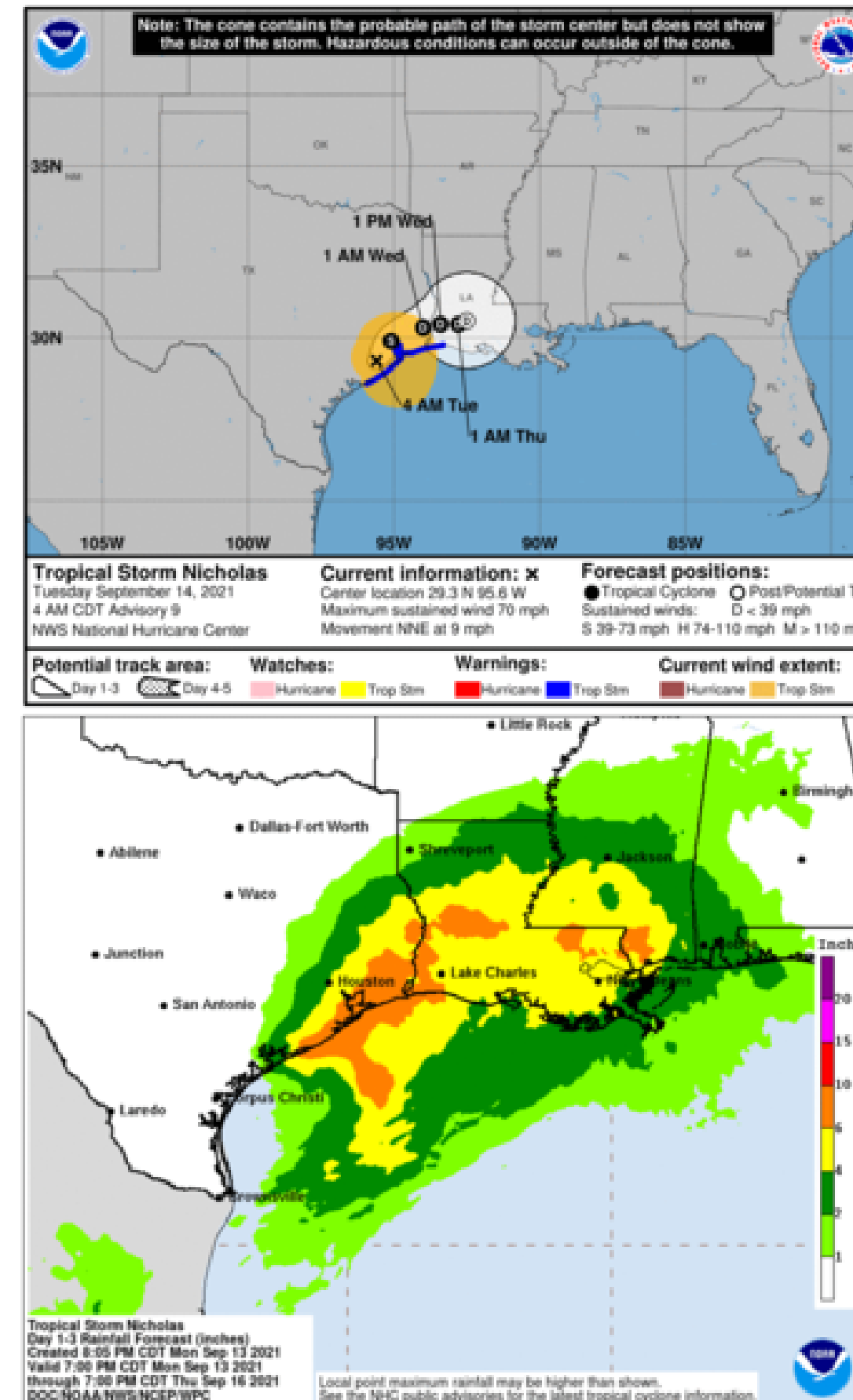
Advisory 9: 4:00 AM CDT Tue Sep 14, 2021



1. Heavy rainfall will impact areas from the upper coast of Texas, across Louisiana, southern Mississippi and far southern Alabama through the middle of the week. Significant rainfall amounts are expected, potentially resulting in areas of life-threatening flash and urban flooding across these areas. Minor to isolated major river flooding is also possible in smaller river basins and urban areas.

2. There is the danger of life-threatening storm surge inundation along the coast of Texas from Sargent to Sabine Pass. Residents in these areas should follow any advice given by local officials.

3. Tropical storm conditions are expected in Tropical Storm Warning area along the Texas coast today and along the southwestern Louisiana coast by afternoon.



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

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

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Tornadoes – Low

Waves - Moderate





# 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)*



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