



TROPICAL UPDATE



10:00 AM EDT

Monday, September 13, 2021

Tropical Storm Nicholas,

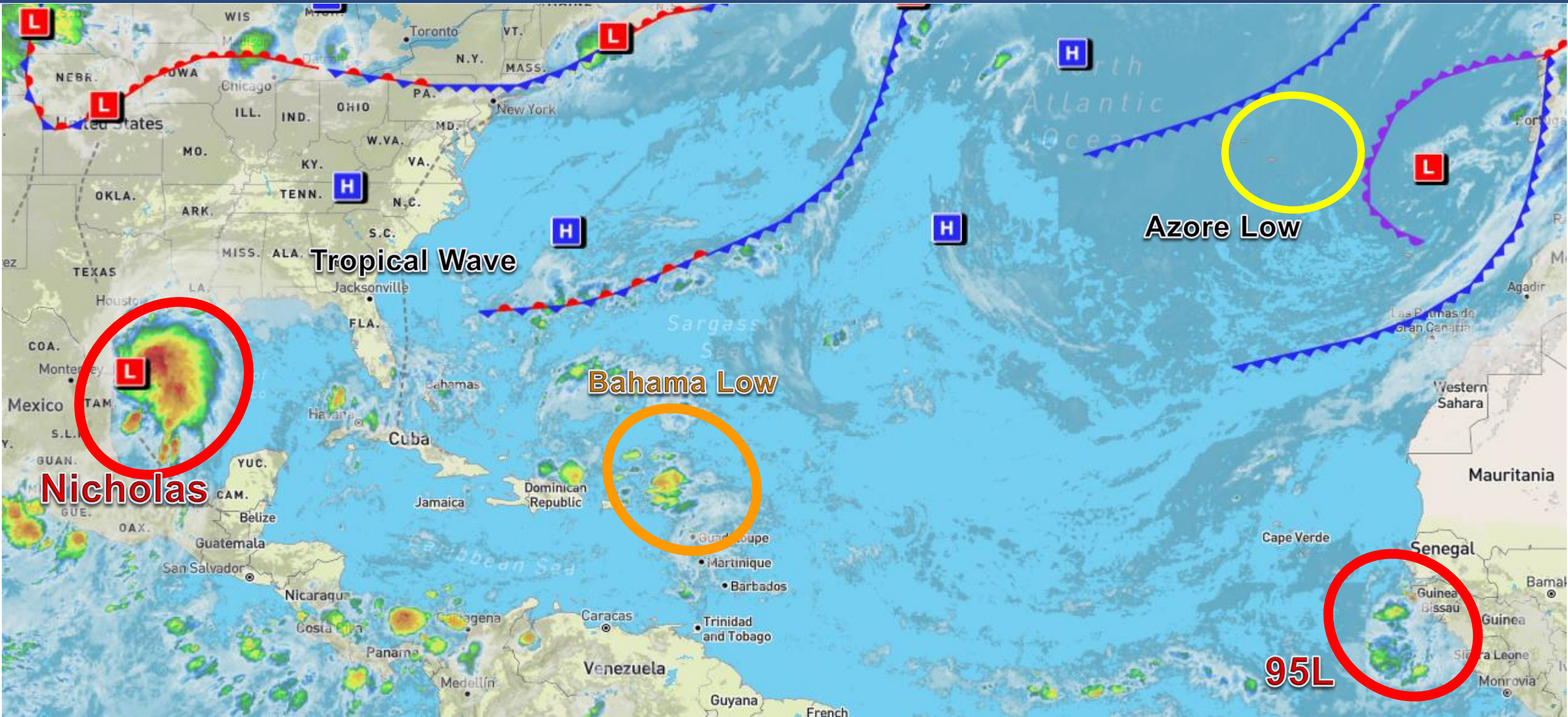
Bahamas Low (50%), & Invest 95L (80%)

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office, or visit the National Hurricane Center website at www.hurricanes.gov.



Atlantic Basin Satellite Image

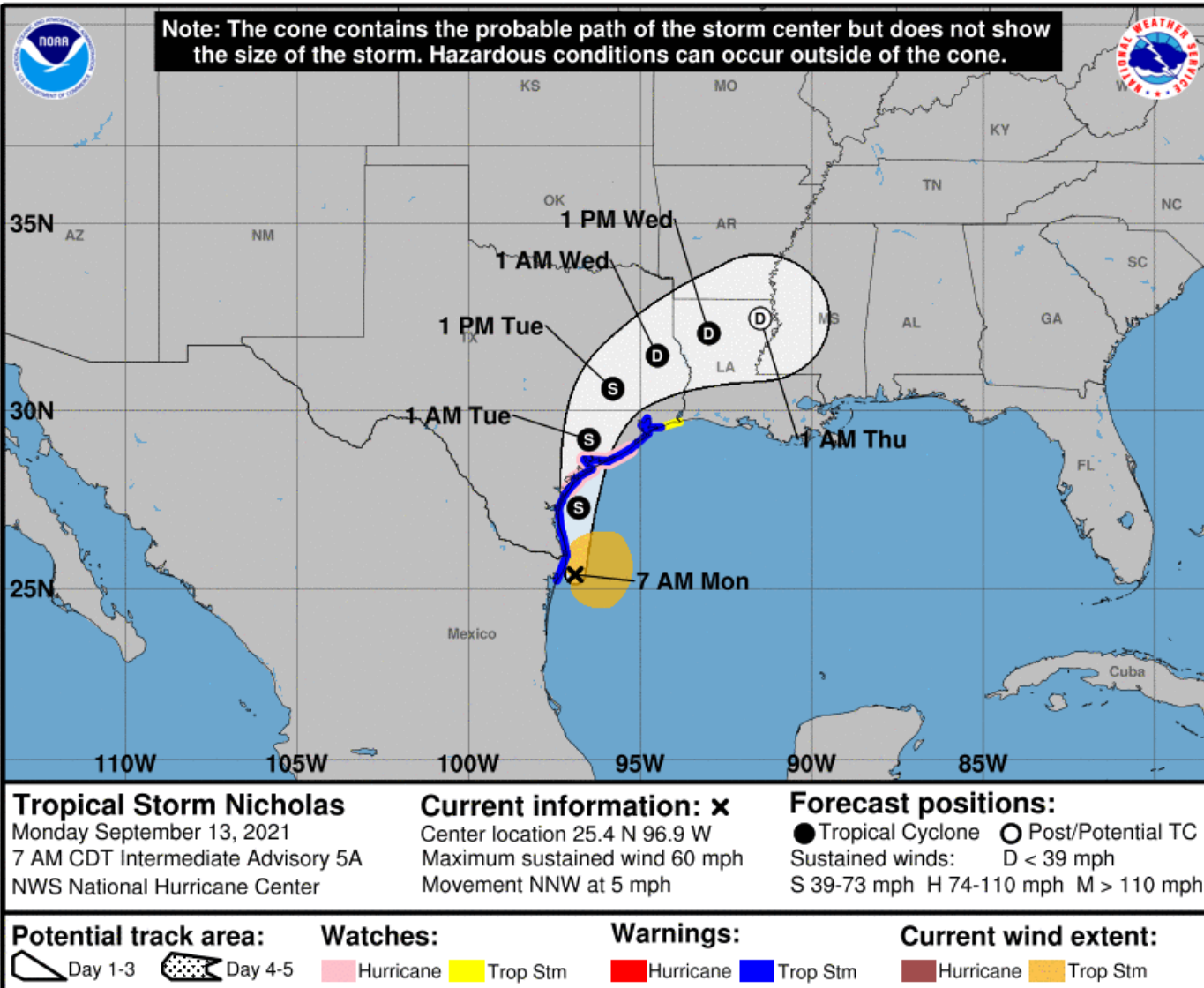
Chance of development: — None — Low — Medium — High





Official Forecast Track

From the National Hurricane Center – Tropical Storm Nicholas

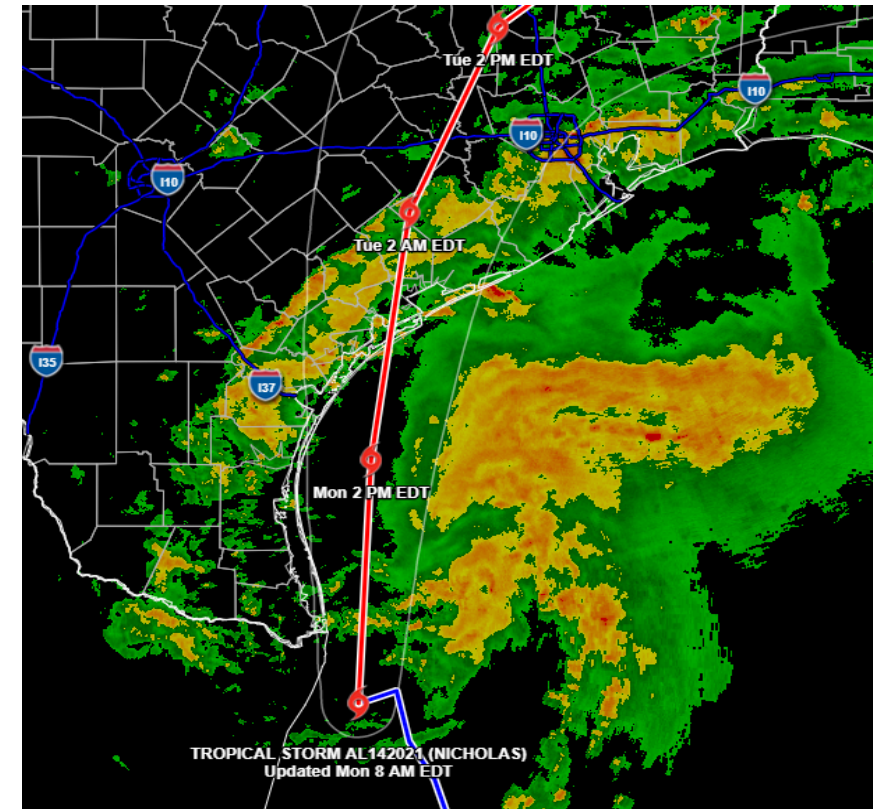
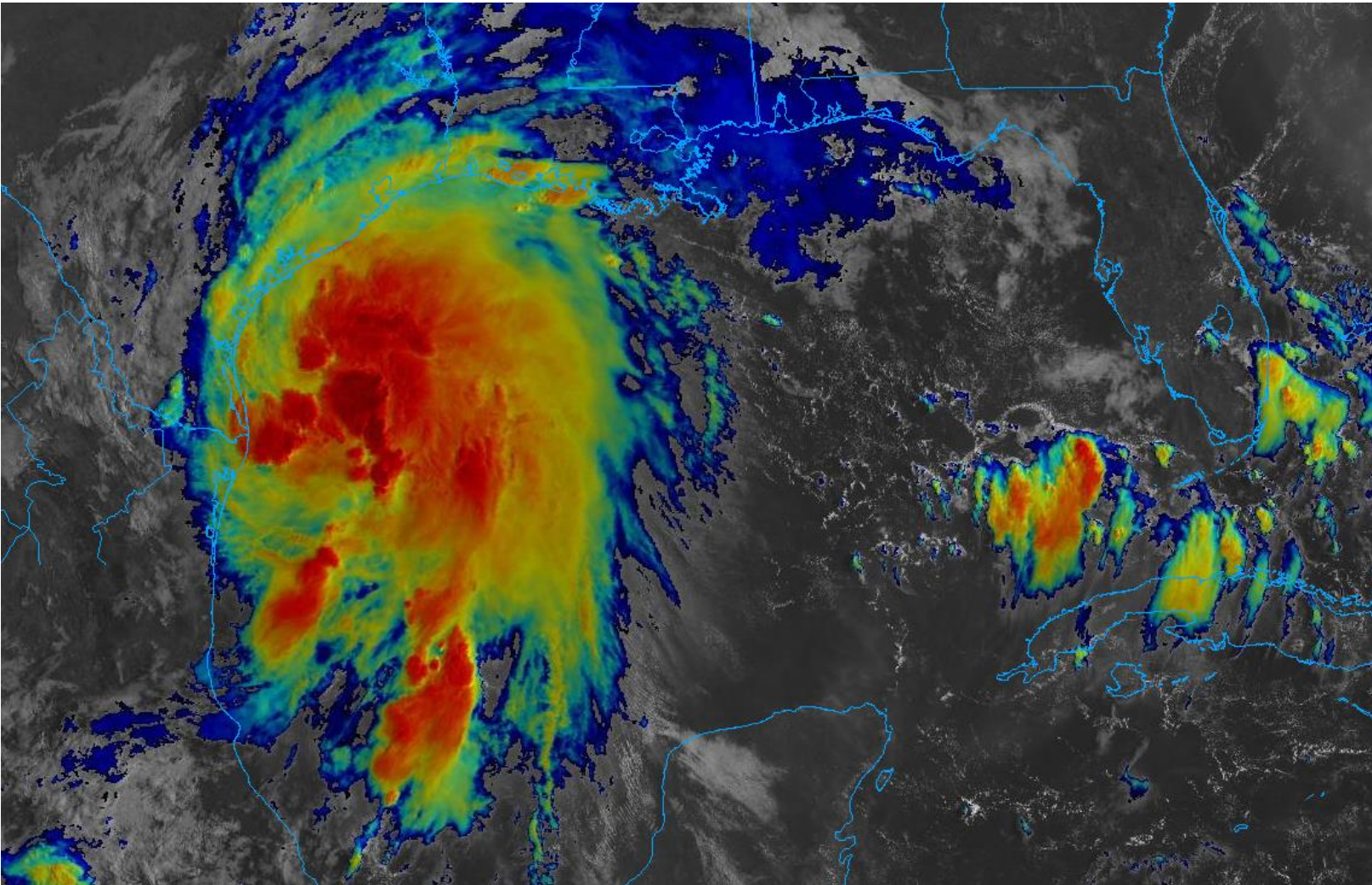


- **Location:** 40 miles south-southeast of the mouth of the Rio Grande, TX; 685 miles SW of Pensacola, FL.
- **Maximum sustained winds:** 60 mph
- **Movement:** NNW at 5 mph
- **Forecast:** Nicholas will parallel the Texas coastline today and make landfall this evening along the central Texas coast. If it remains offshore for most of the day, it could be near hurricane strength at landfall. Gradual weakening along with a turn to the northeast is expected Tuesday and Wednesday.
- This system poses no direct threat to Florida, but Nicholas may increase rain chances in the Panhandle later in the week.



Satellite and Radar Imagery

Tropical Storm Nicholas

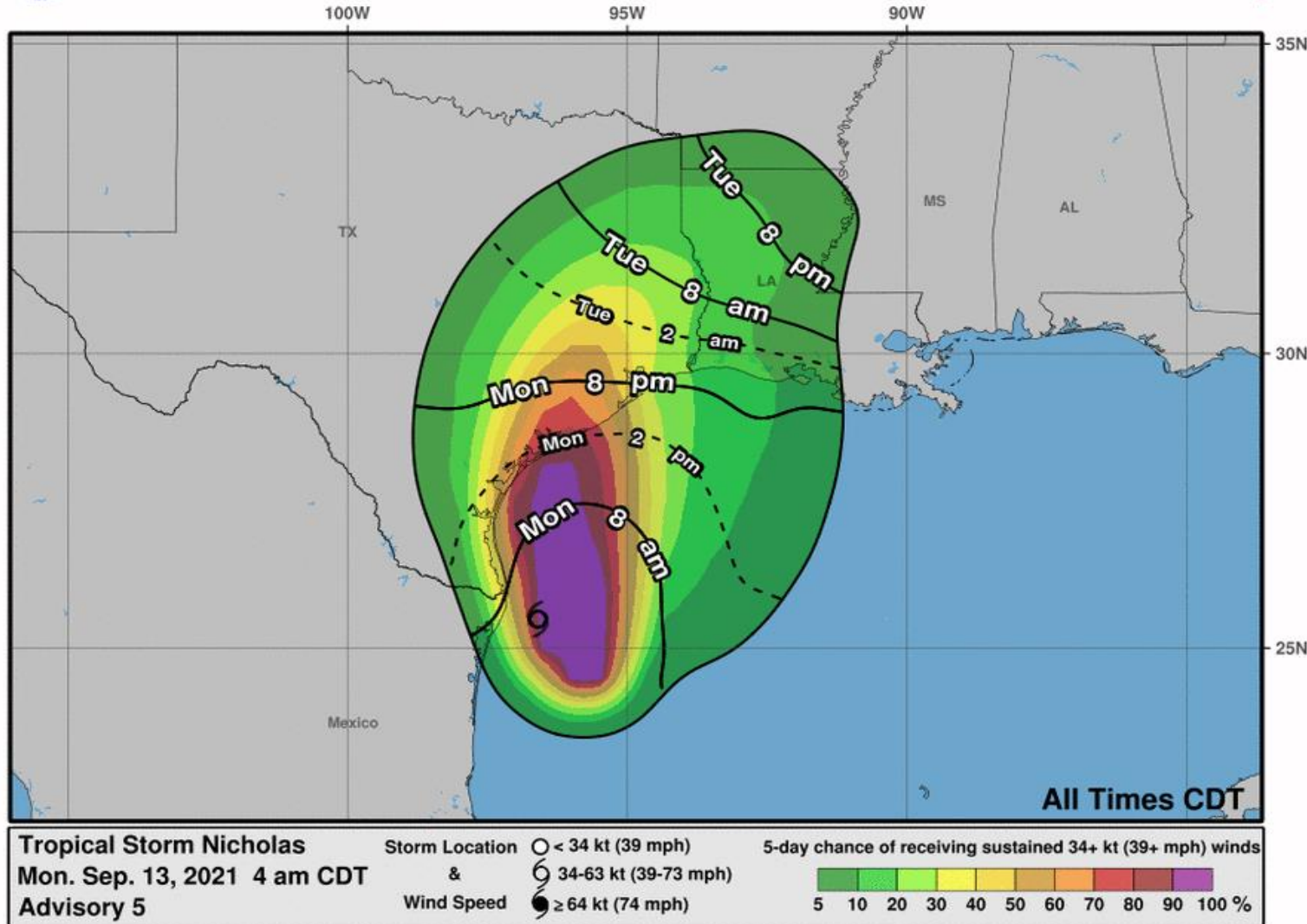




Time of Arrival & Wind Speed Probabilities

EARLIEST REASONABLE Time of Arrival of Tropical Storm Force Winds (>39 mph)

Most Likely Arrival Time of Tropical-Storm-Force Winds



There is no chance of tropical storm force winds from Nicholas in Florida.

Nicholas is forecast to approach the middle Texas coast as a strong tropical storm today, and could be near hurricane intensity at landfall. Tropical storm conditions are expected along portions of the middle Texas coast beginning by this afternoon, with hurricane conditions possible from Port Aransas to Freeport this afternoon and tonight.



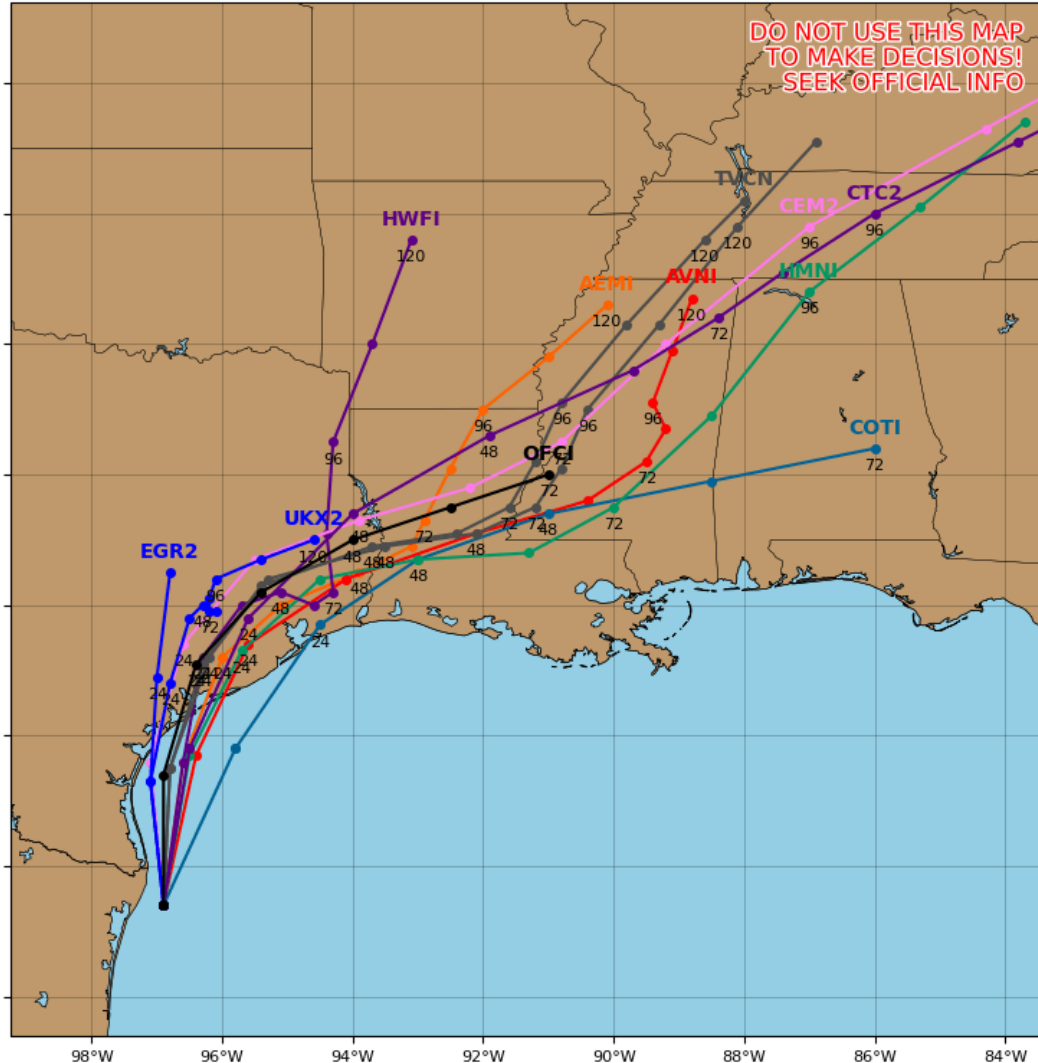
Track and Intensity Guidance

Tropical Storm Nicholas

Tropical Storm NICHOLAS Model Track Guidance

Initialized at 12z Sep 13 2021

Levi Cowan - tropicaltidbits.com

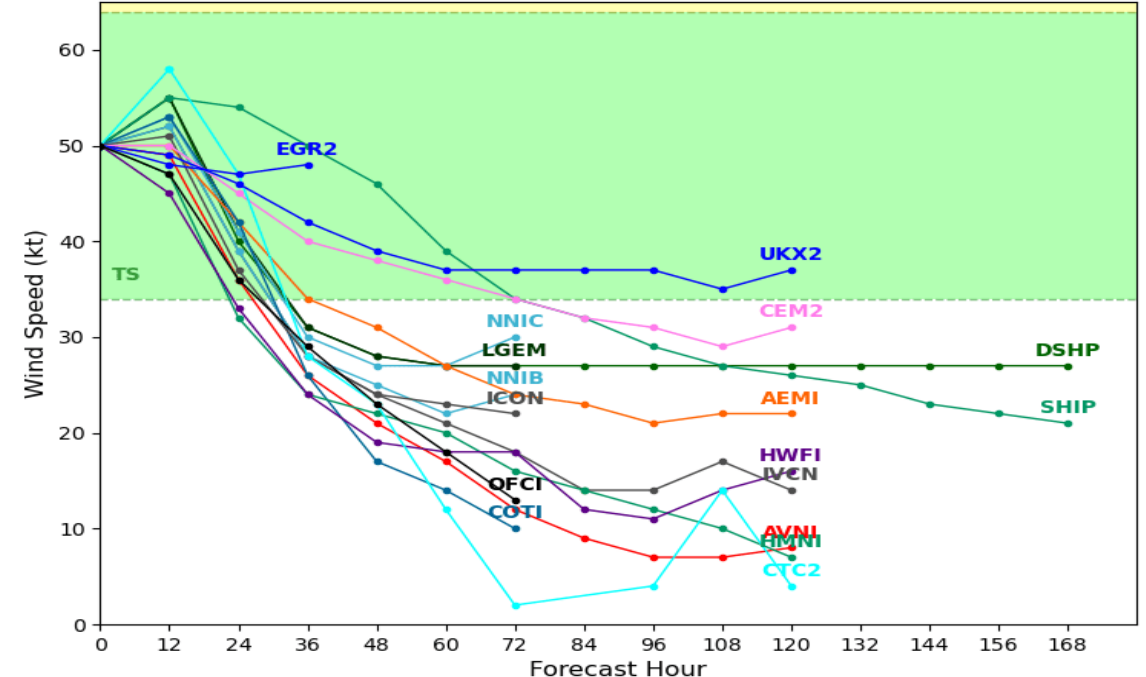


Computer models are in good agreement that Nicholas will make landfall in east-central Texas today, then move northeast across eastern Texas and central Louisiana through Wednesday while weakening to a depression. The remnants will continue northeast into Mississippi by Thursday. Heavy rainfall will be the primary threat to Texas & Louisiana.

Tropical Storm NICHOLAS Model Intensity Guidance

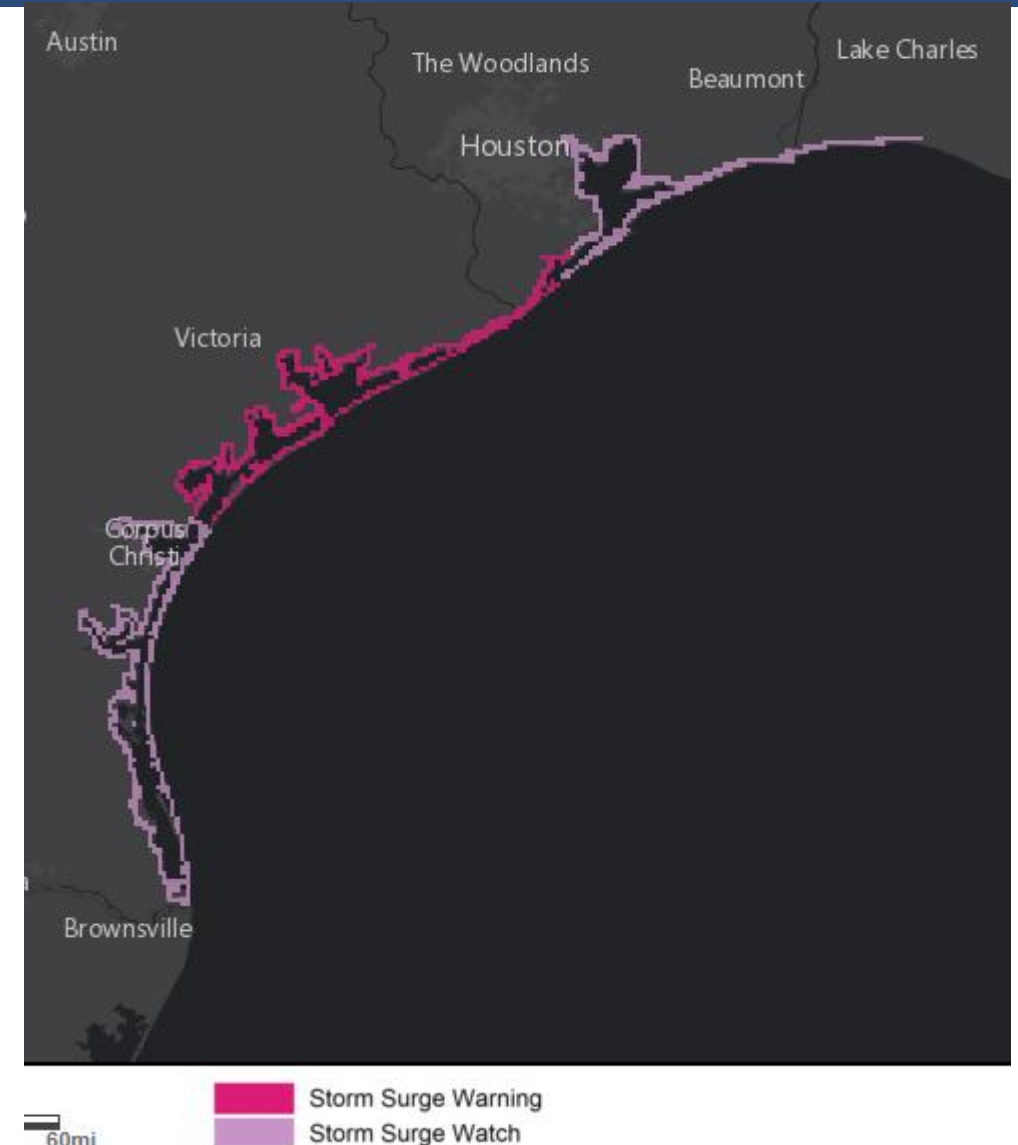
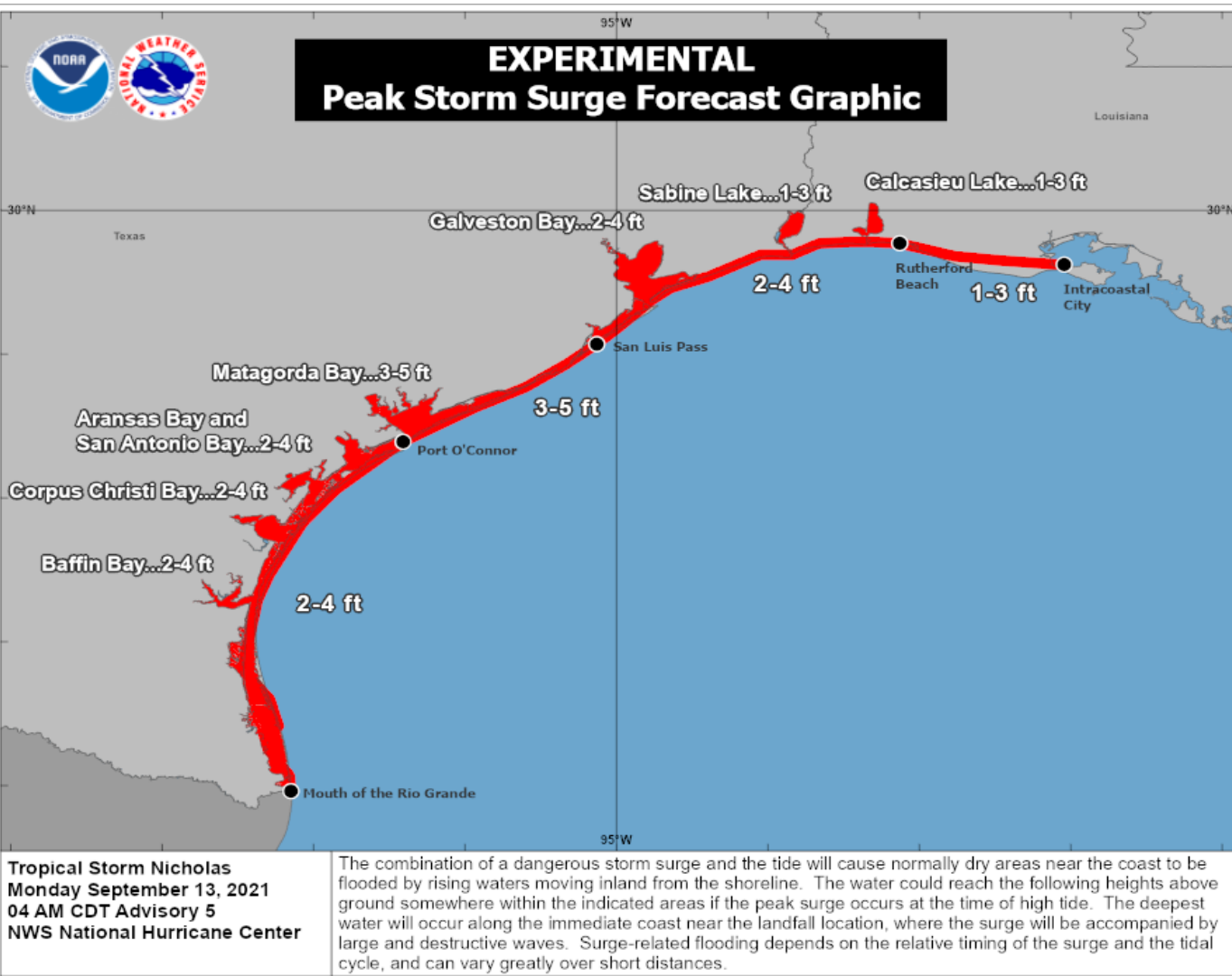
Initialized at 12z Sep 13 2021

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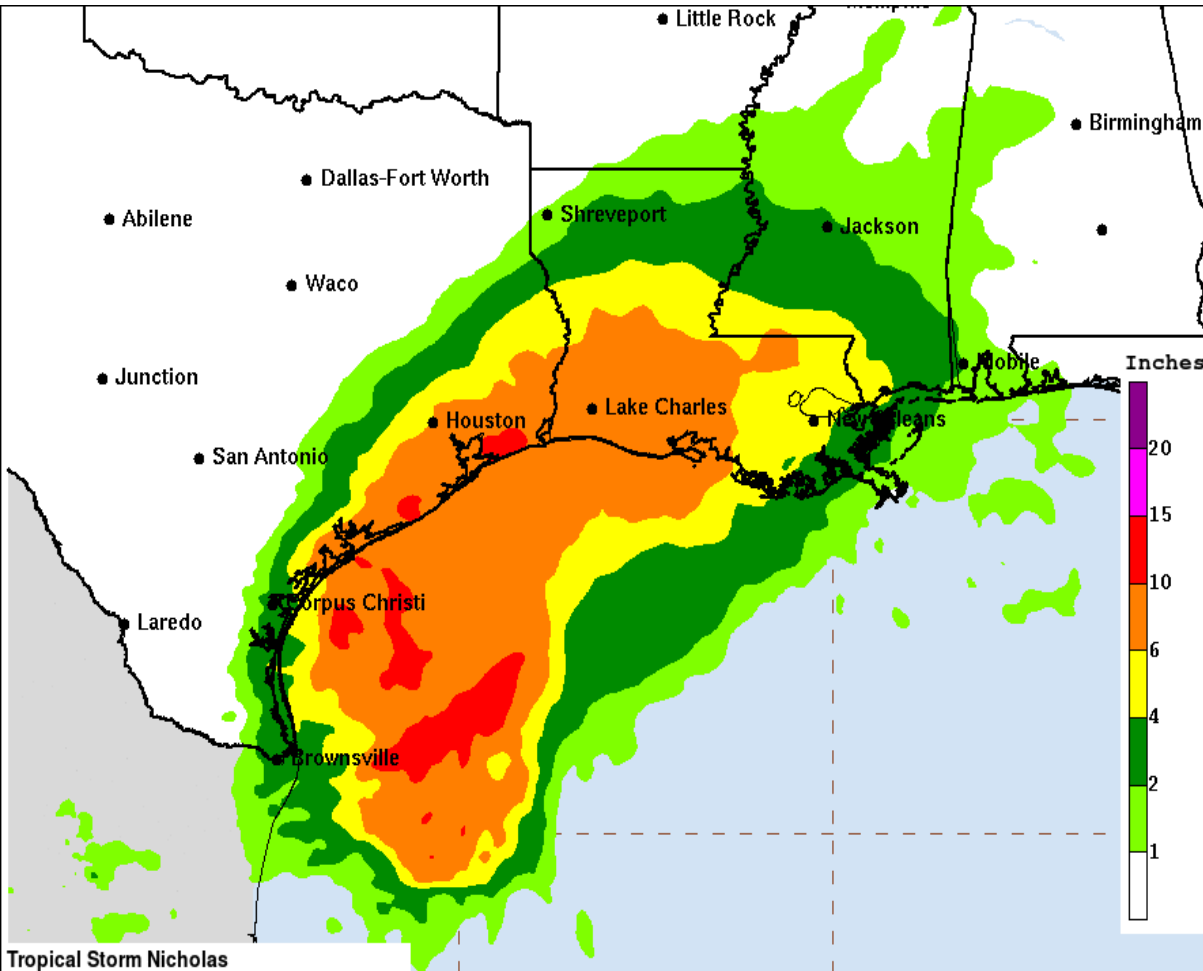
Forecast Storm Surge Heights & Watches/Warnings





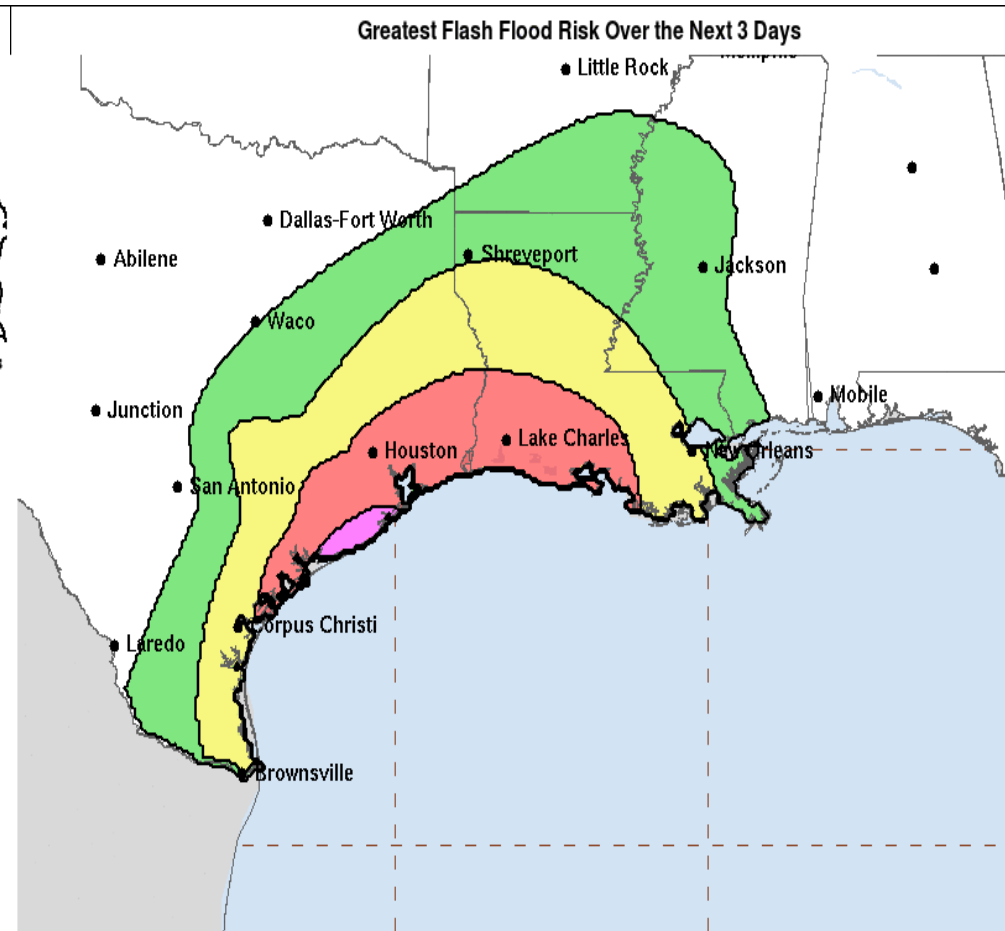
Forecast Rain and Flash Flood Risk

Next 3 Days



Tropical Storm Nicholas
Day 1-3 Rainfall Forecast (inches)
Created 3:32 AM CDT Mon Sep 13 2021
Valid 1:00 AM CDT Mon Sep 13 2021
through 7:00 AM CDT Thu Sep 16 2021
DOC/NOAA/NWS/NCEP/WPC

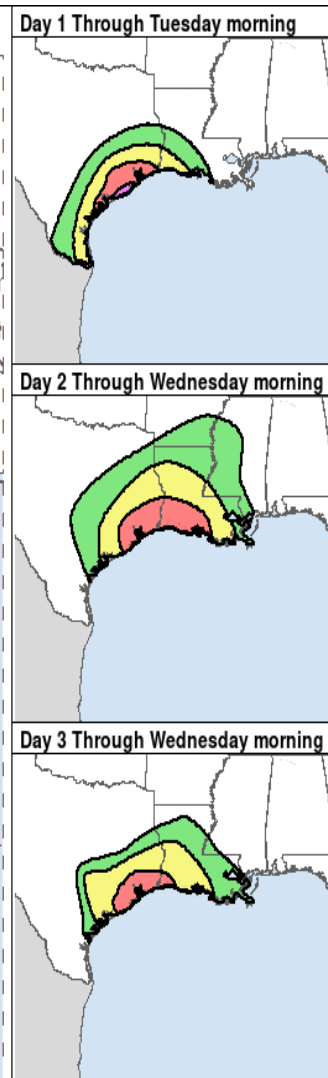
Local point maximum rainfall may be higher than shown.
See the NHC public advisories for the latest tropical cyclone information.



Tropical Storm Nicholas
Day 1-3 Excessive Rainfall Outlook
Created 3:32 AM CDT Mon Sep 13 2021
Valid 7:00 AM CDT Mon Sep 13 2021
through 7:00 AM CDT Thu Sep 16 2021
NOAA/NWS/NCEP/WPC

Risk of flash flooding

5%: Marginal	20%: Moderate
10%: Slight	50%: High





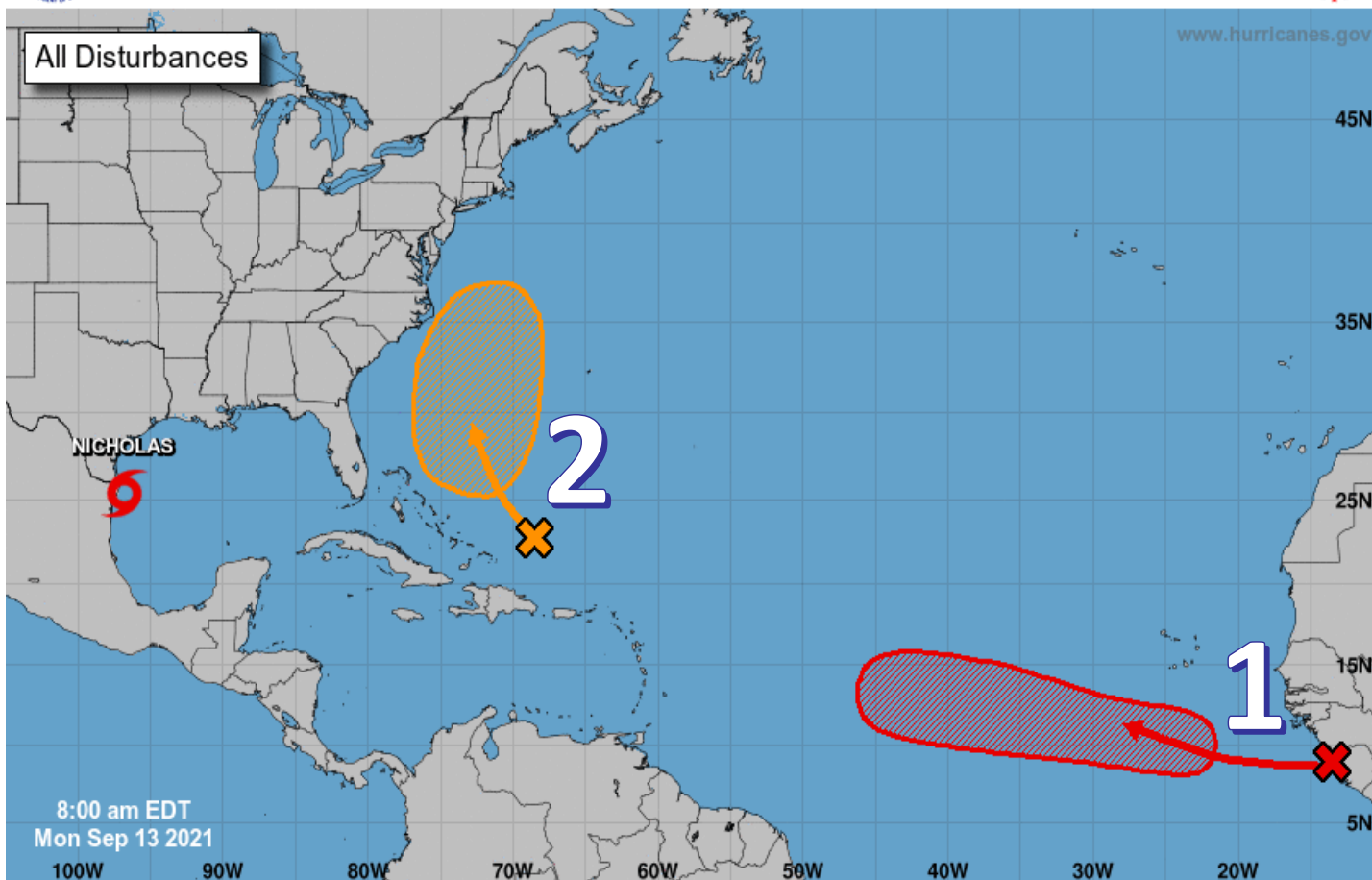
Tropical Weather Outlook

Possible Areas of Development During the Next 5 Days ([LINK](#))



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

1. A tropical wave has emerged off the west coast of Africa. Environmental conditions are forecast to be conducive for gradual development of this disturbance, and a tropical depression is likely to form by late this week while the system moves westward at 10 to 15 mph across the eastern tropical Atlantic Ocean.

* Formation chance through 48 hours...low...30 percent.

* Formation chance through 5 days...high...80 percent.

2. An area of low pressure is forecast to form by midweek a couple of hundred miles north of the southeastern or central Bahamas as a tropical wave interacts with an upper-level trough. Some gradual development of this system is possible thereafter, and a tropical depression could form later this week while the system moves north-northwestward or northward across the western Atlantic.

* Formation chance through 48 hours...low...near 0 percent.

* Formation chance through 5 days...medium...50 percent.

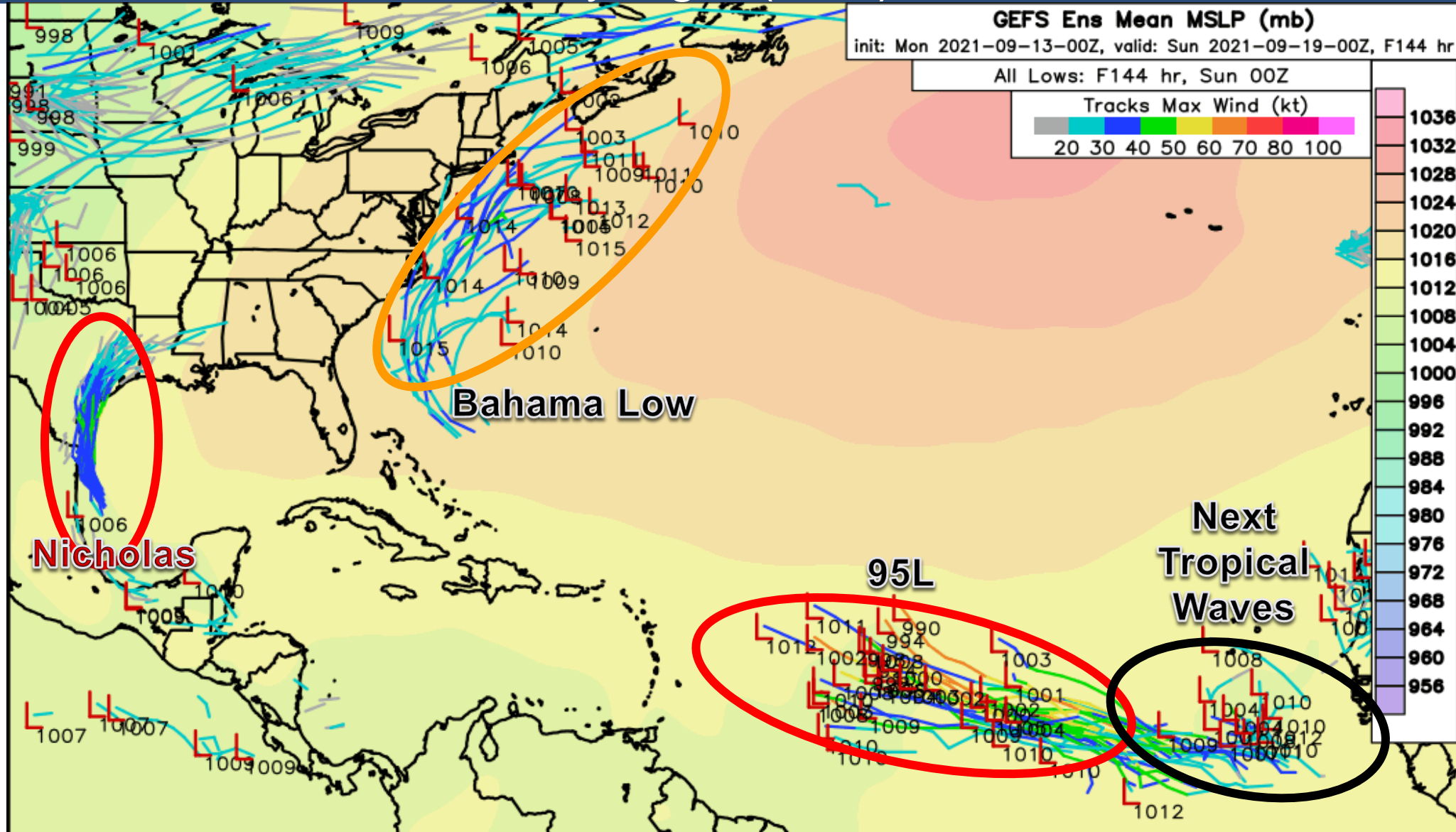


Model Forecast Tracks – Next 5 Days

Ensemble Models – Saturday night (9/18)

Possible locations of all tropical systems on Saturday evening 9/18.

- Nicholas will be inland over Texas or Louisiana and dissipated within 5 days.
- The Bahamas low could move just offshore Mid-Atlantic and New England Coasts.
- 95L may approach the northern Leeward Islands.
- Another tropical wave may emerge from the west coast of Africa.





Overall Summary

Tropical Storm Nicholas

- At 8am EDT Monday, the center of Nicholas was located about 40 miles south-southeast of the mouth of the Rio Grande River, Texas and moving to the north-northwest at 5 mph.
- Maximum sustained winds have increased to around 60 mph and Nicholas could be near hurricane strength by the time it makes landfall along the Texas coast later today.
- Gradual weakening along with a turn to the northeast is expected on Tuesday and Wednesday and should become a remnant low in about 3-4 days while moving into the Mississippi Valley.
- This system poses no direct threat to Florida, but Nicholas may increase the rip current risk at Panhandle beaches and increase rain chances in the Panhandle later in the week.

Bahamas Low:

- An area of low pressure is expected to form north of the Bahamas in a few days, and conditions are favorable for gradual development of this system .
- The National Hurricane Center is forecasting a near 0% (low) chance of development over the next 48 hours, but a 50% (**medium**) chance of formation over the next 5 days.
- This disturbance is expected to move northwestward for the next few days and then move northward later in the week.
- *While it appears the system will remain well offshore of Florida, it should be monitored throughout the week as there is some uncertainty is how close to the Carolina coast the system will develop.*

95L:

- A tropical wave, labelled as Invest 95L, has emerged off the west coast of Africa.
- Conditions are favorable for development of this system while it moves westward over the eastern Atlantic, and there is a 30% (low) chance of development over the next 48 hours, but an 80% (**high**) chance of development within the next 3-5 days.
- *This system poses no threat to Florida for the next 7 days, but should be monitored.*

Florida Outlook:

- None of these systems pose a direct threat to Florida over the next 5 days, but moisture associated with the eventual remnants of Tropical Storm Nicholas will increase rain chances in the Panhandle later this week, as well as potentially increase the rip current risk.
- The next names on the 2021 Atlantic Hurricane Season list are Odette (oh-DEHT) and Peter.

The next briefing packet will be issued Tuesday morning unless significant changes occur today. For the latest information, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



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State Meteorological Support Unit

Florida Division of Emergency Management

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