



# Tropical Update



11:00 AM EDT

Tuesday, September 5, 2023

**Idalia Recovery Weather**

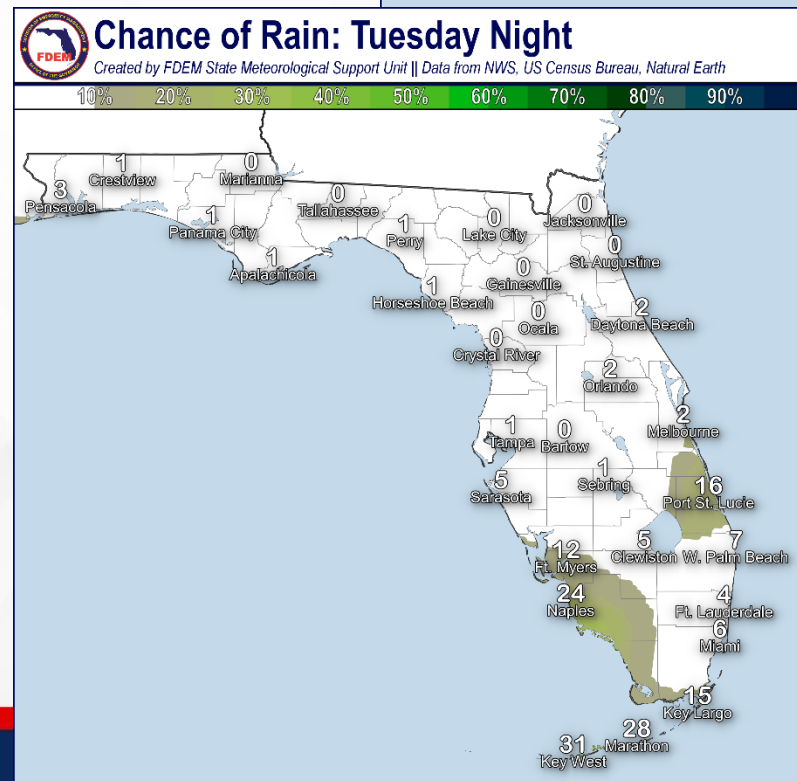
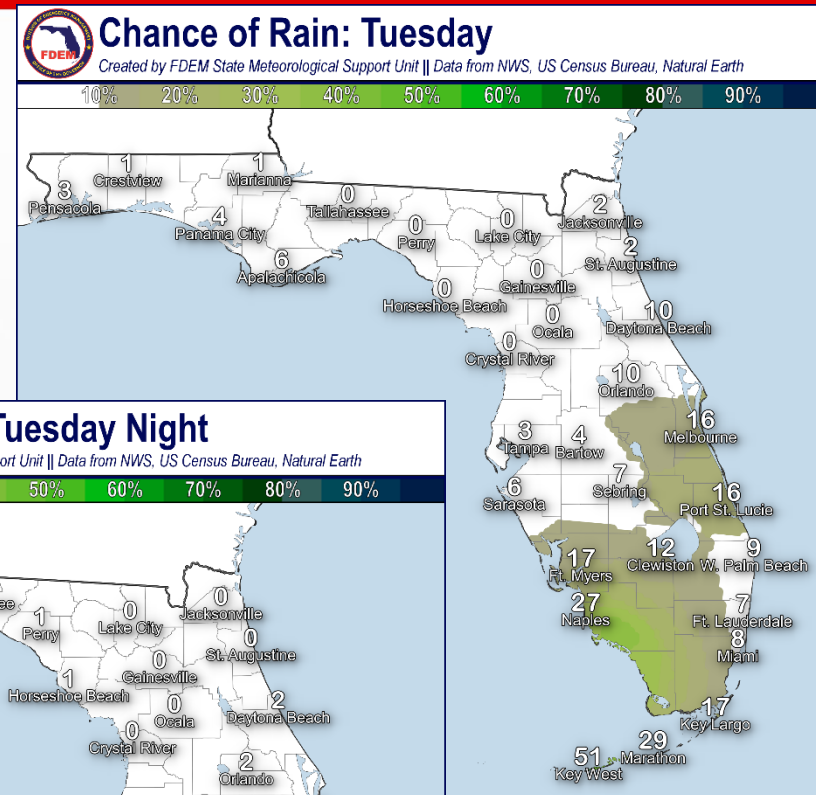
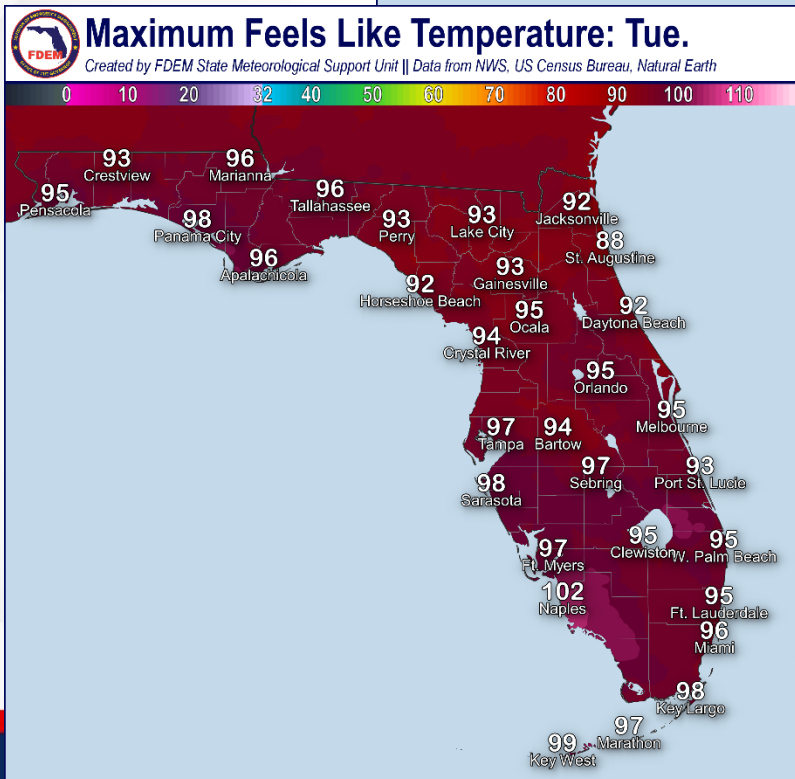
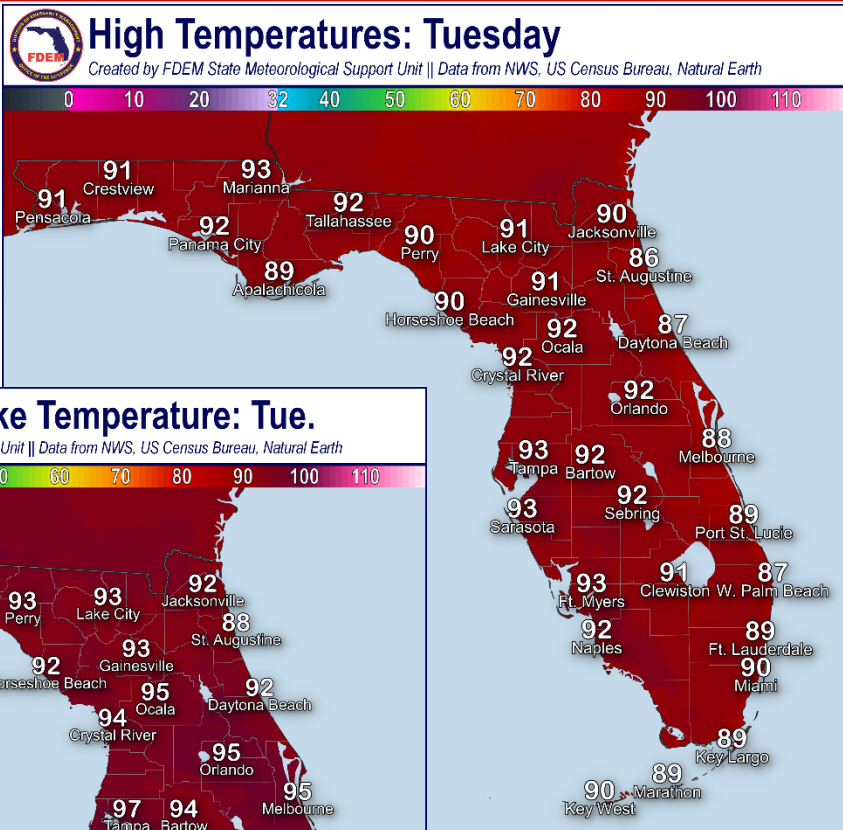
**Tropical Depression Thirteen, Eastern Tropical Atlantic Wave (70%), & Former Franklin (30%)**

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](http://www.hurricanes.gov).



# Recovery Weather

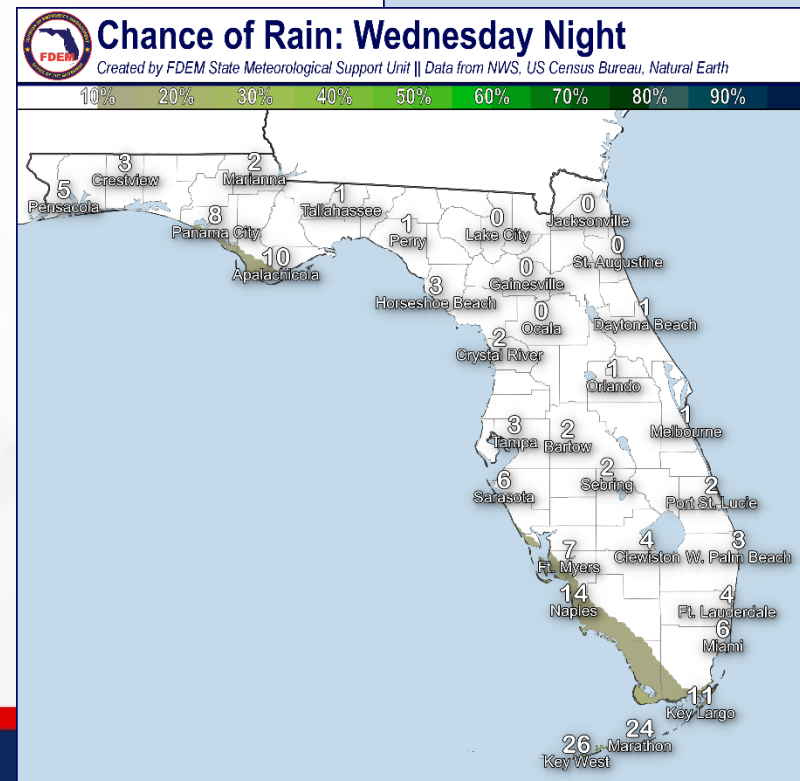
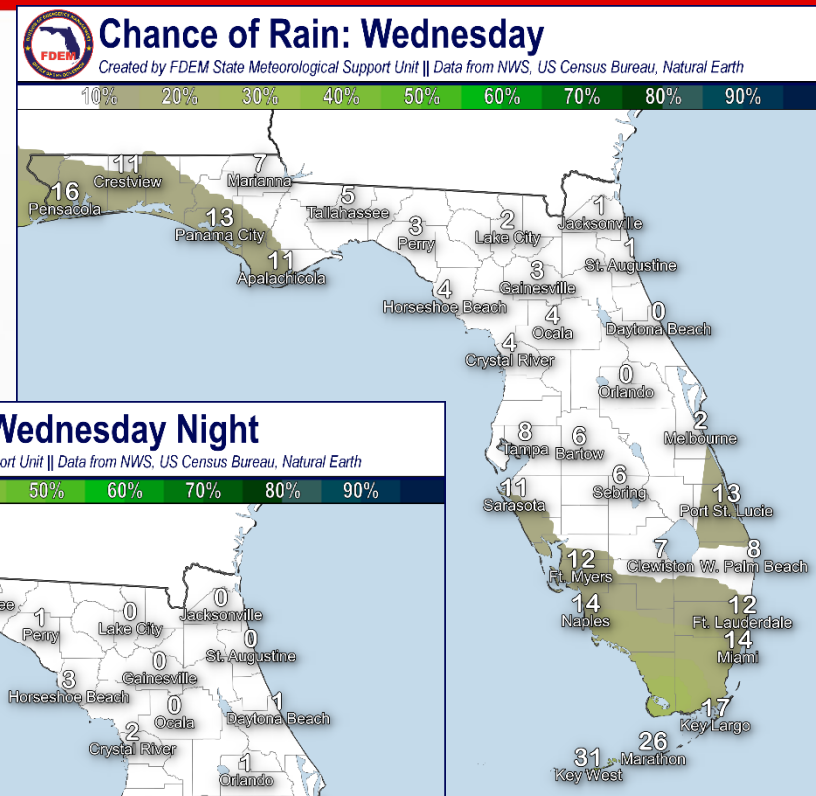
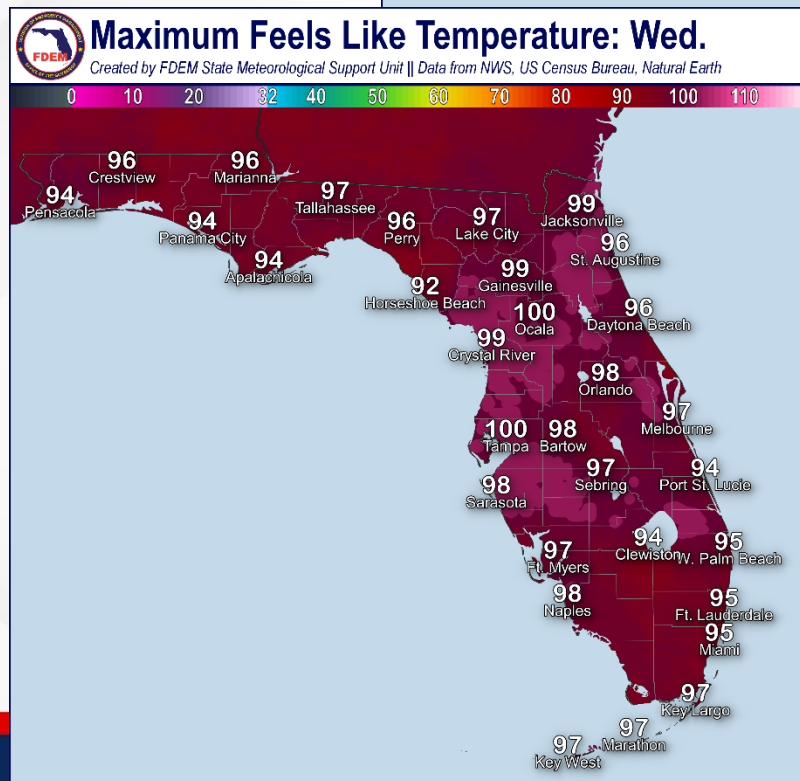
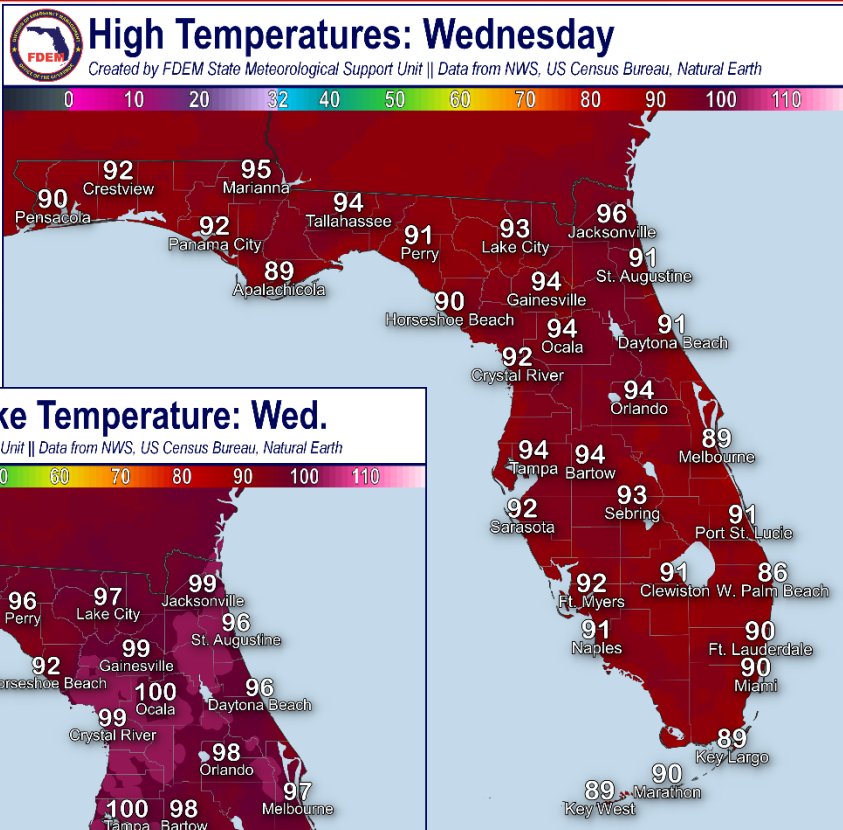
## Tuesday





# Recovery Weather

## Wednesday

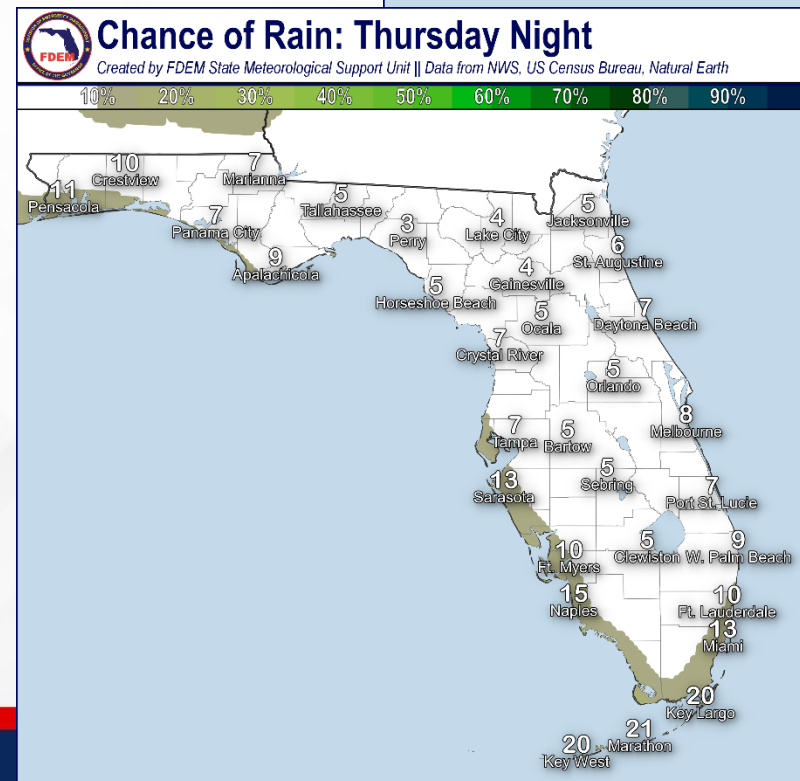
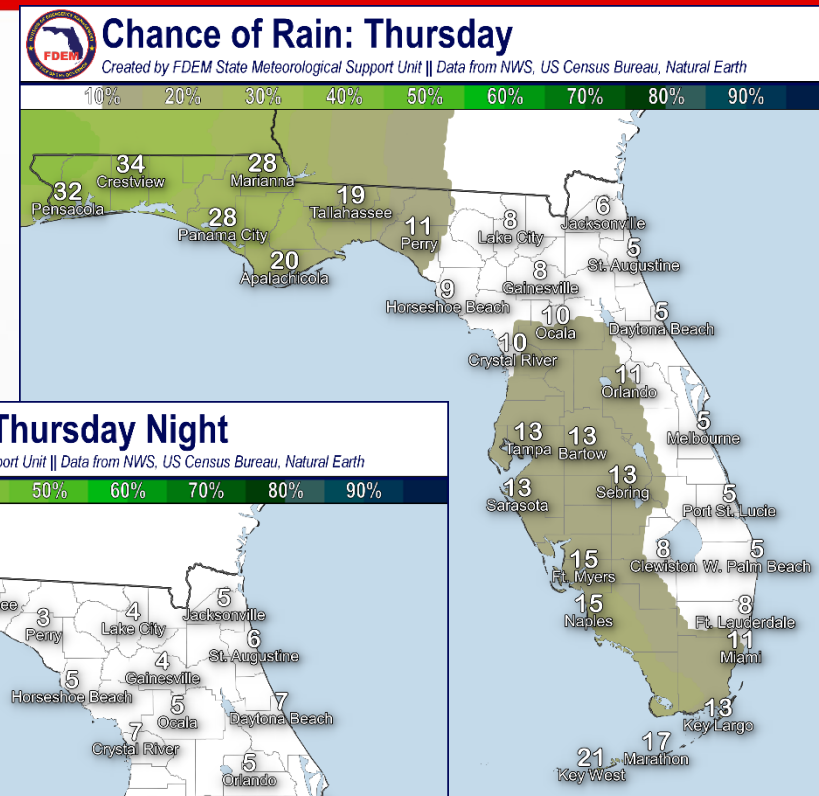
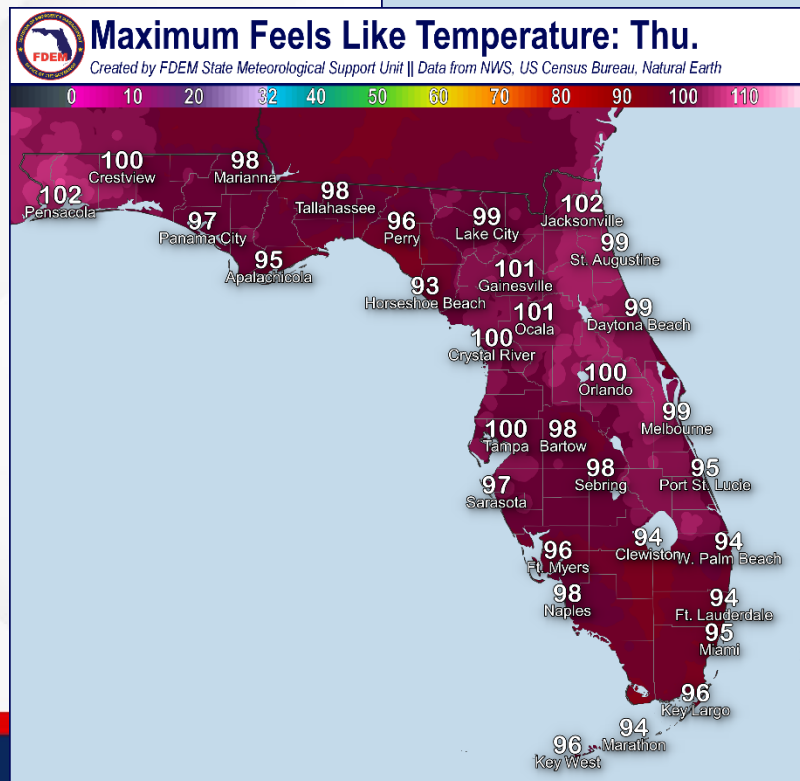
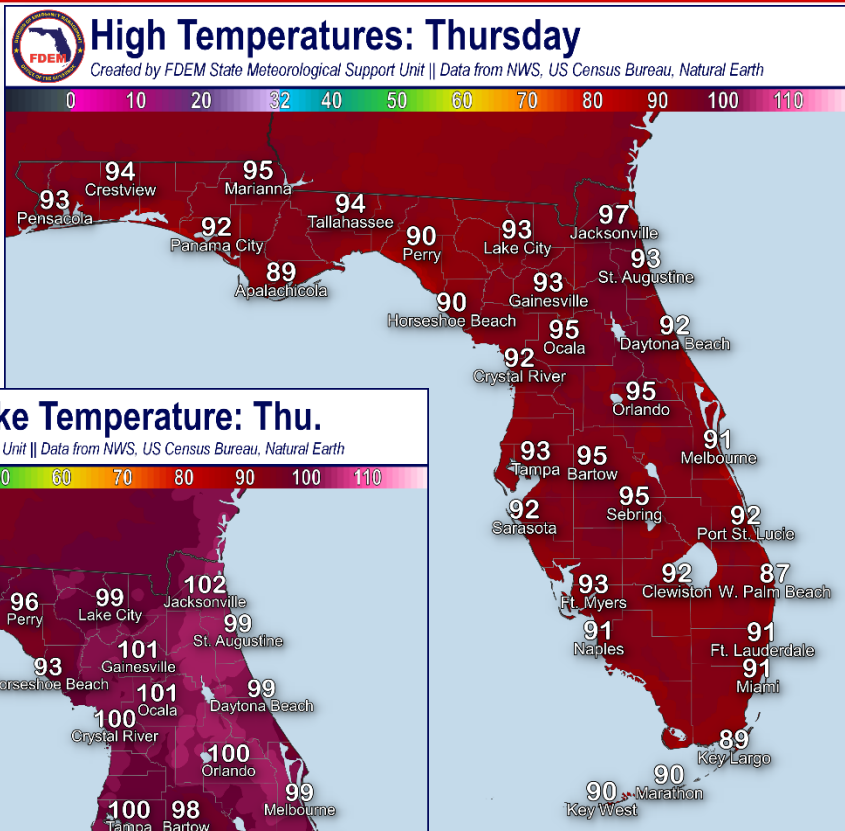


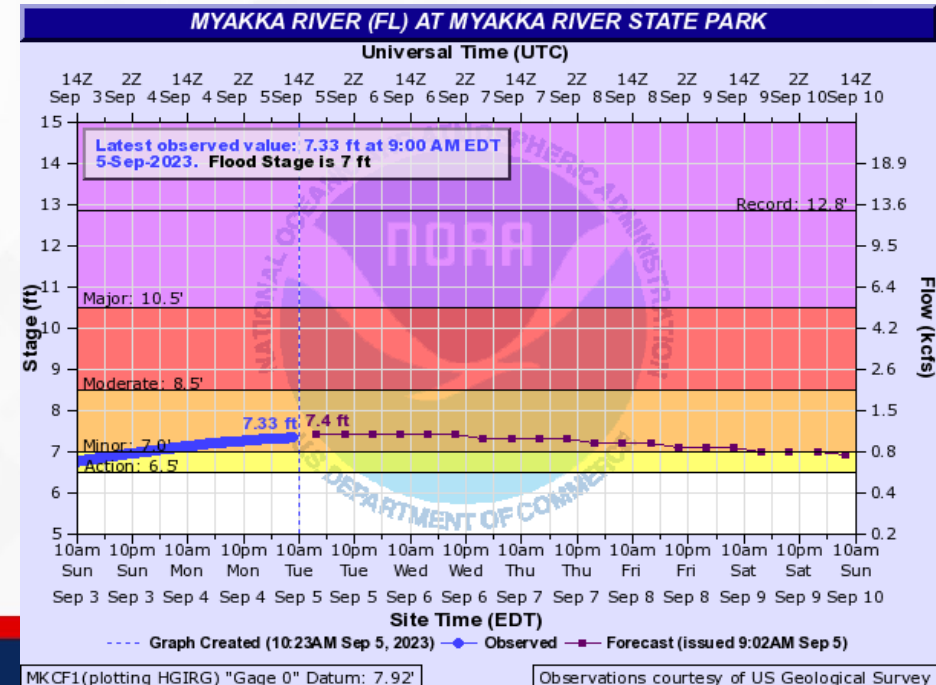
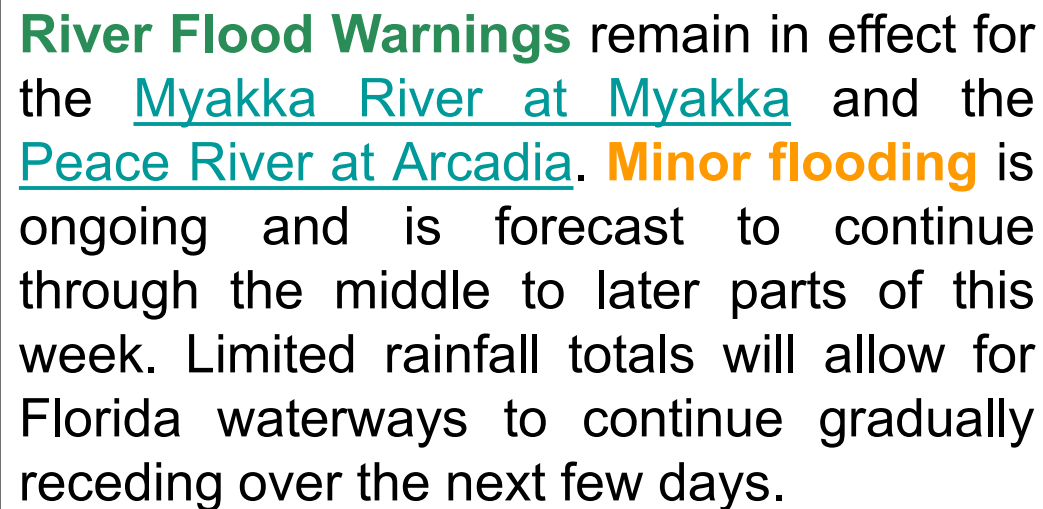




# Recovery Weather

## Thursday







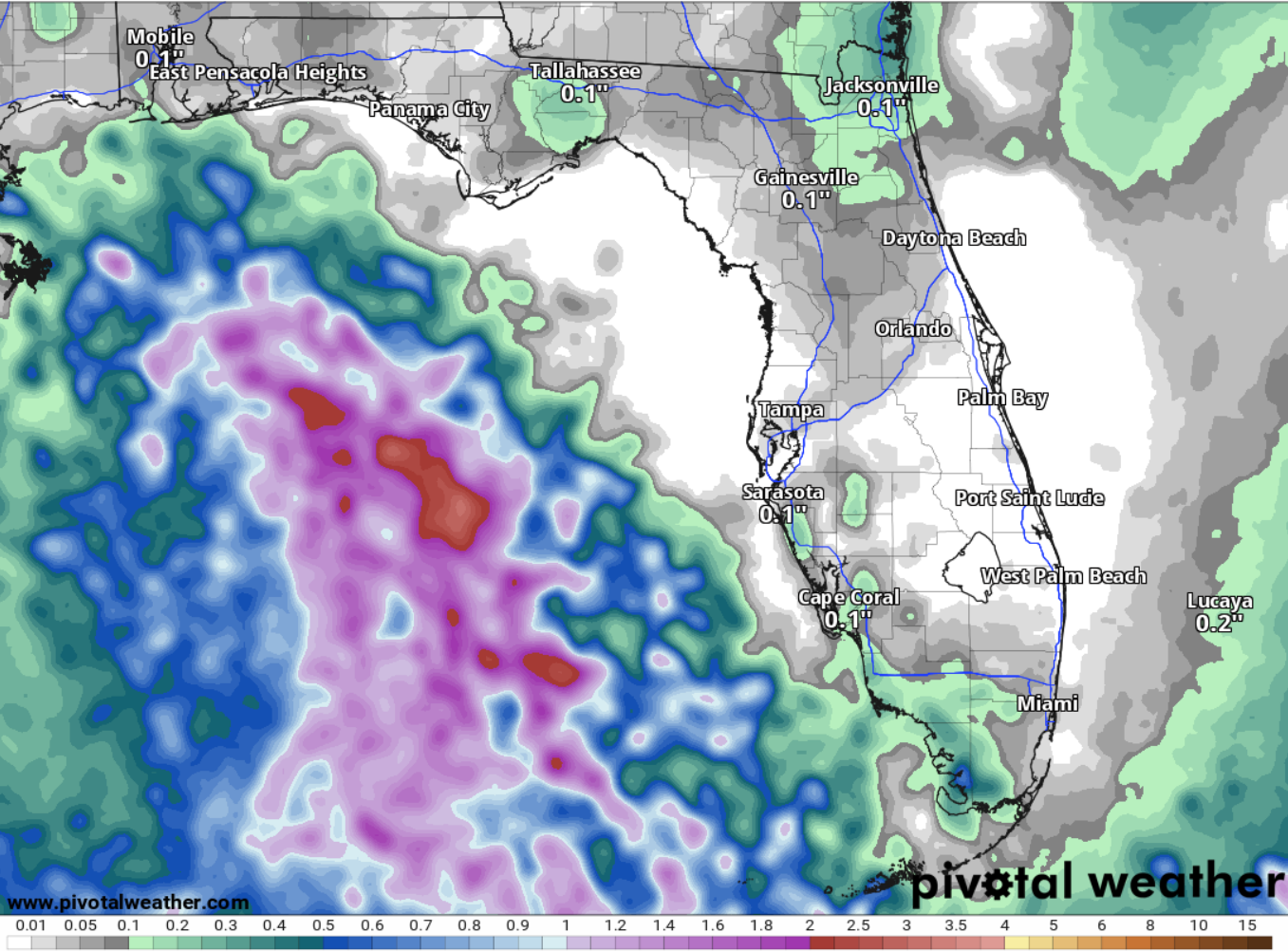
# 5-Day Forecast Rainfall

From the National Weather Service & Weather Prediction Center

120-Hour Precipitation (in)

Ending Sunday, Sep. 10, 2023 at 8 a.m. EDT

Init: Tue 2023-09-05 12z WPC



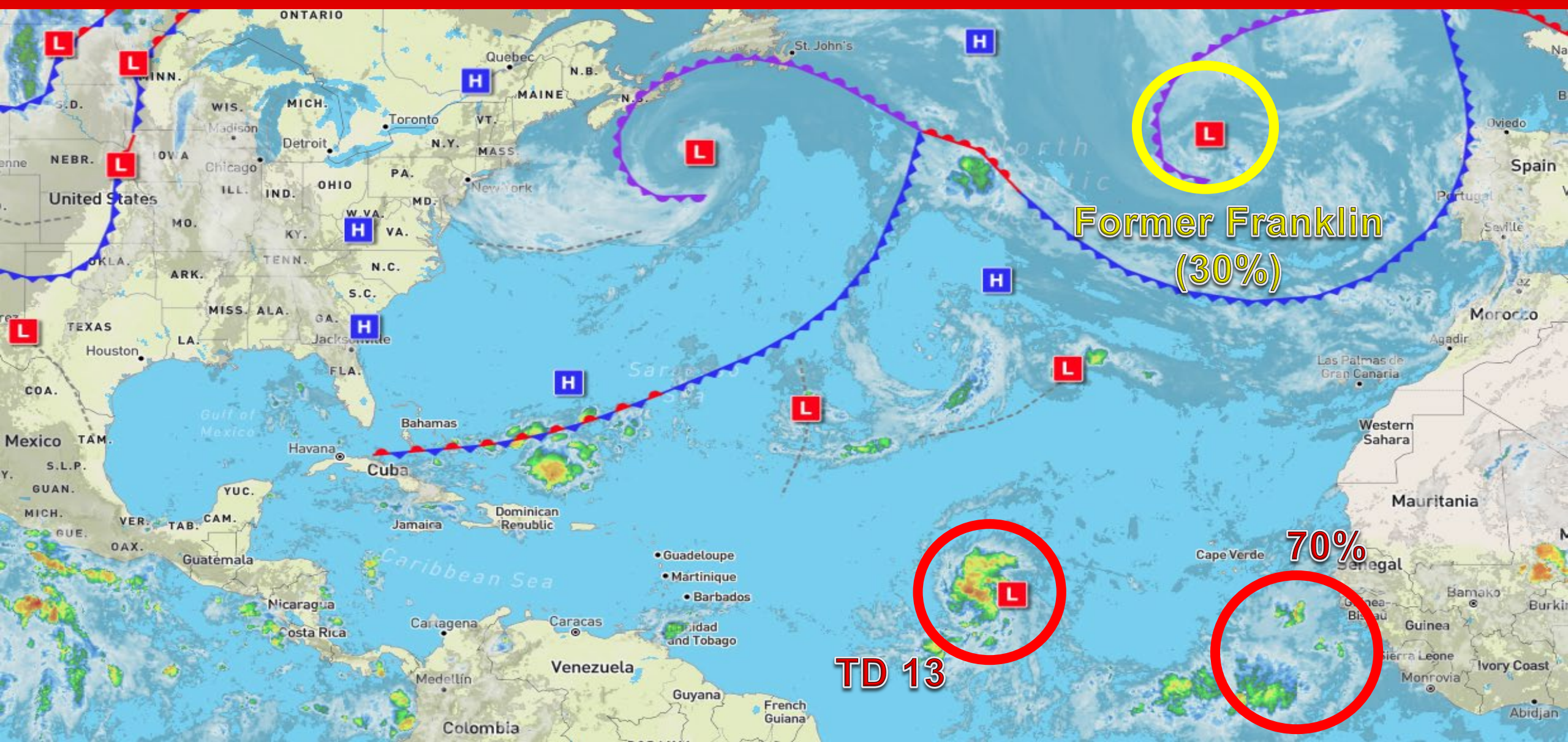
Rainfall totals will remain isolated across the Sunshine State during the next several days, with rain chances increasing in coverage this weekend as a weak frontal boundary approaches North Florida. Spotty rainfall totals of 0.5-1" will be possible along the I-10 corridor later in the forecast period, with localized amounts of 1-1.5" residing over the southwestern Florida Peninsula and Florida Keys. There is no organized risk for flash flooding during the next 5 days.





# Atlantic Basin Satellite Image

Chance of development:    None    Low    Medium    High

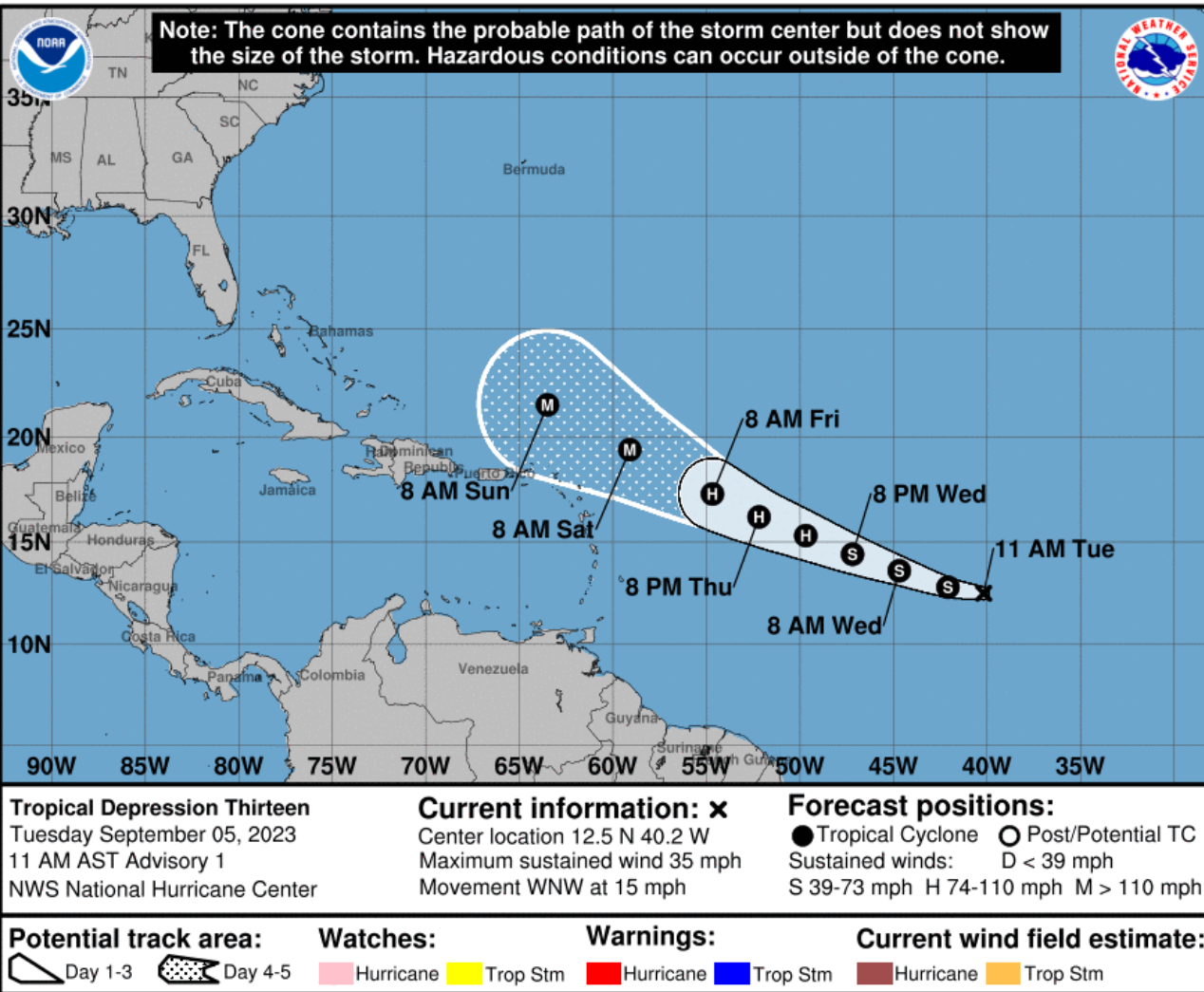






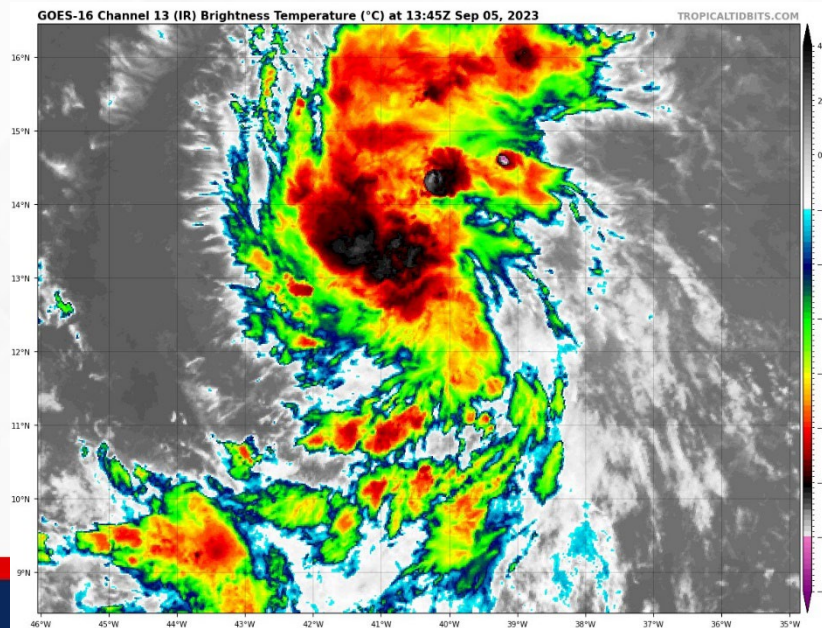
# Forecast Cone

## Tropical Depression Thirteen ([LINK](#))



- **Location:** 1,425 miles E of the Lesser Antilles
- **Maximum Sustained Winds:** 35 mph
- **Current Movement:** WNW at 15 mph
- **FL Watches/Warnings:** None

With the 11:00 AM EDT Advisory, Invest 95L has strengthened into Tropical Depression Thirteen. The west-northwestward motion is expected to continue for the next few days. The depression is forecast to be a hurricane in a couple of days, and could become a major hurricane by the end of the week. *TD 13 poses no direct threat to Florida over the next 7 days, but this system will continue to be monitored. Dangerous beach and boating conditions could develop along the Florida East Coast early next week.*





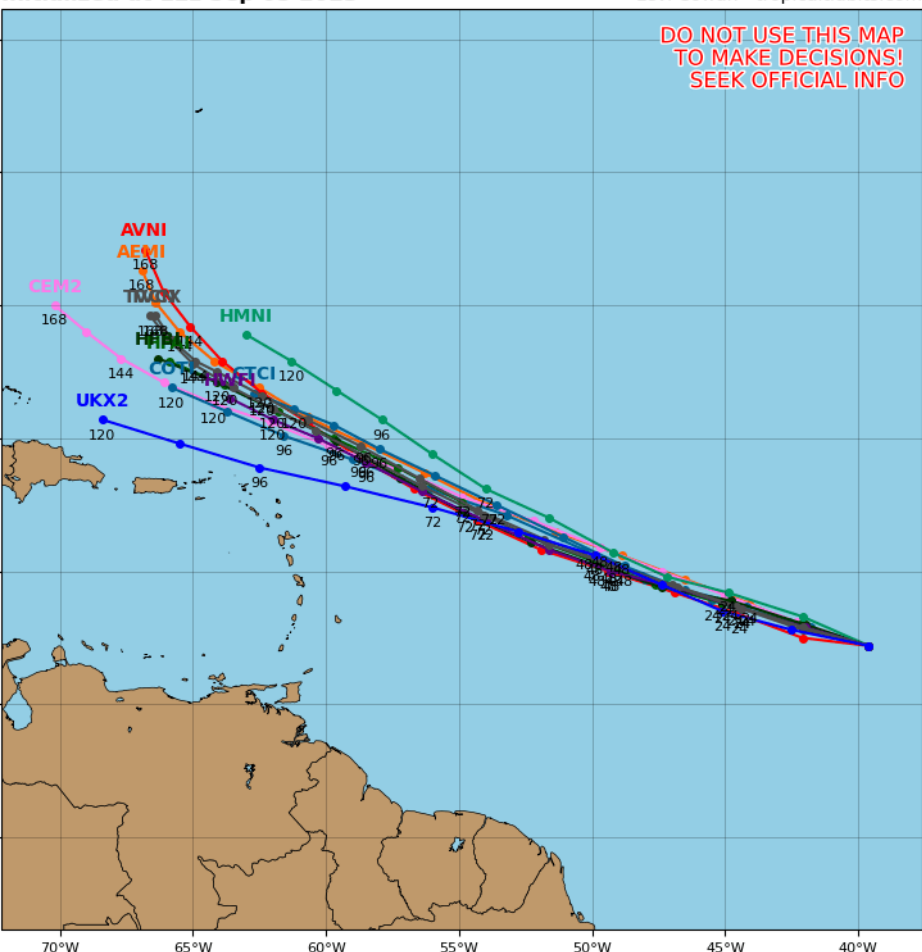


# Model Forecasts – Next 5 Days

## Tropical Depression Thirteen

### Invest 95L Model Track Guidance

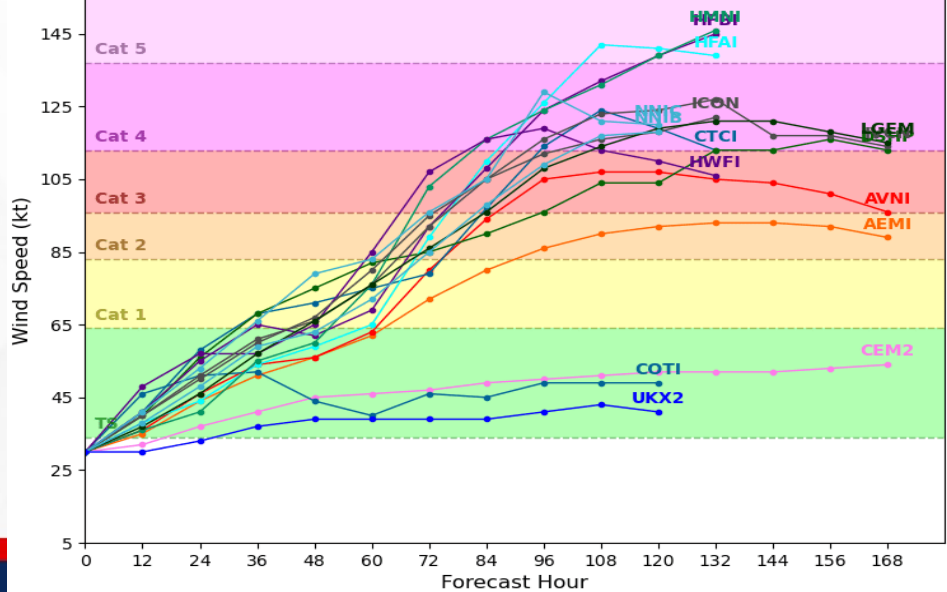
Initialized at 12z Sep 05 2023 Levi Cowan - tropicaltidbits.com



Computer models remain in decent agreement that TD 13 will continue a westward to west-northwestward motion, approaching the northern Leeward Islands during the day 4-5 timeframe. Computer models are in good agreement that continued strengthening and organization can be expected over the next 5 days, given conducive atmospheric and oceanic conditions. While the overall evolution of intensity remains uncertain, as TD 13 develops an organized center of circulation through midweek, computer model guidance will come into better agreement. The speed at which TD 13 organizes will be an important trend to monitor through midweek. Regardless, there is decent consensus that TD 13 could strengthen into a hurricane as early as the next 48-72 hours and become a major hurricane by the end of the week.

### Invest 95L Model Intensity Guidance

Initialized at 12z Sep 05 2023 Levi Cowan - tropicaltidbits.com





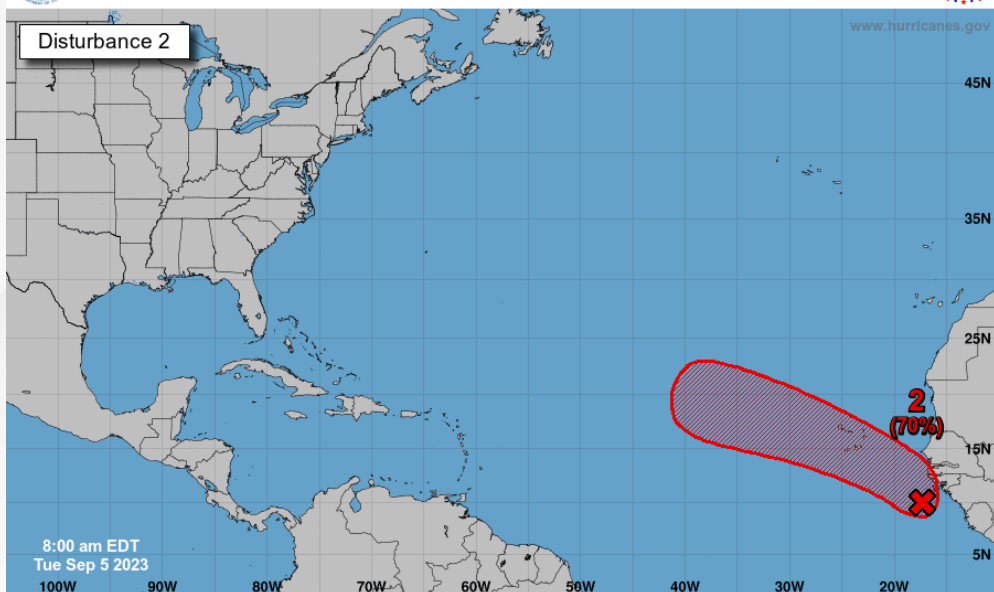
# Tropical Weather Outlook

Disturbance 2 – Eastern Tropical Atlantic Wave ([LINK](#))



## Seven-Day Graphical Tropical Weather Outlook

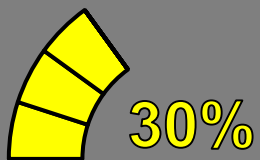
National Hurricane Center Miami, Florida



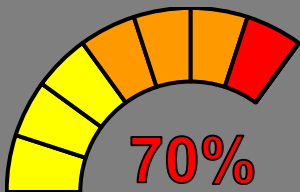
Current Disturbances and Seven-Day Cyclone Formation Chance: ✕ < 40% ✕ 40-60% ✕ > 60%

Tropical or Sub-Tropical Cyclone: ○ Depression ○ Storm ○ Hurricane

○ Post-Tropical Cyclone or Remnants



48 Hour Formation



7 Day Formation

A strong tropical wave is near the coast of West Africa, producing a large area of cloudiness and showers. Environmental conditions appear conducive for gradual development, and a tropical depression could form over the far eastern tropical Atlantic during the middle to latter part of the week while the system moves west-northwest at 10-15 mph.

*This system poses no threat to Florida at this time.*

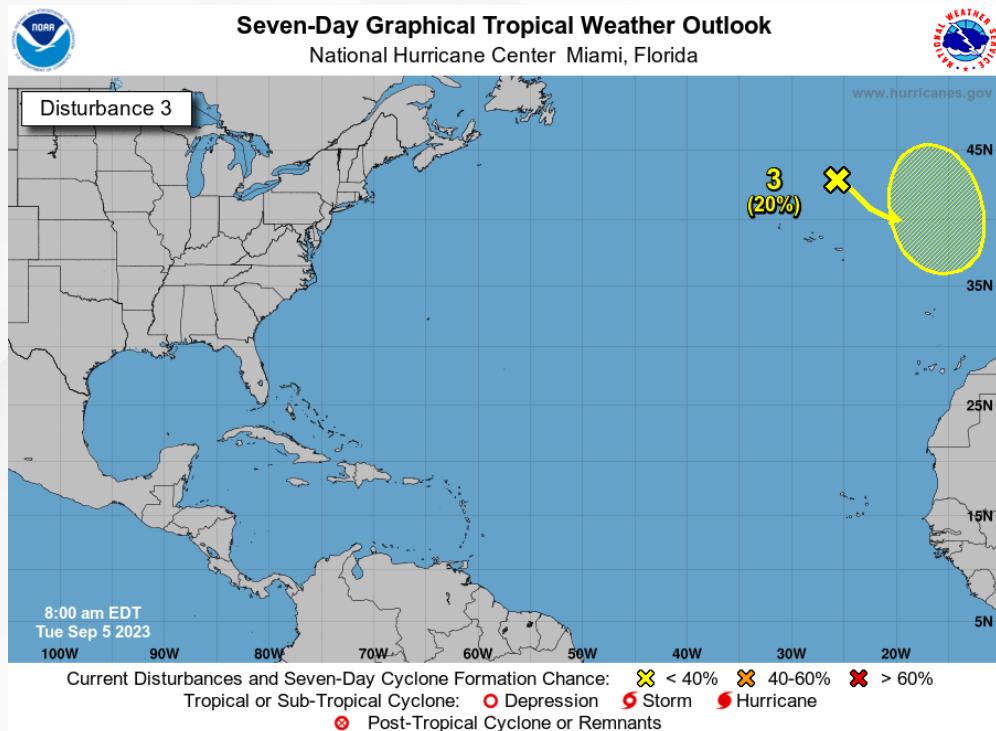
- \* Formation chance through 48 hours...**low...30%.**
- \* Formation chance through 7 days...**high...70%.**





# Tropical Weather Outlook

Disturbance 3 – Former Franklin (Northeastern Atlantic) ([LINK](#))



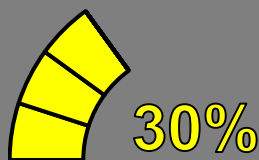
Post-Tropical Cyclone Franklin is located a few hundred miles north of the Azores, and is forecast to move quickly southeastward towards warmer waters. This system could acquire subtropical or tropical characteristics later this week or this weekend while it moves erratically between the Azores and Portugal.

*This system poses no threat to Florida at this time.*

- \* Formation chance through 48 hours...**low...near 0%.**
- \* Formation chance through 7 days...**low...30%.**

**Near 0%**

**48 Hour Formation**



**30%**

**7 Day Formation**

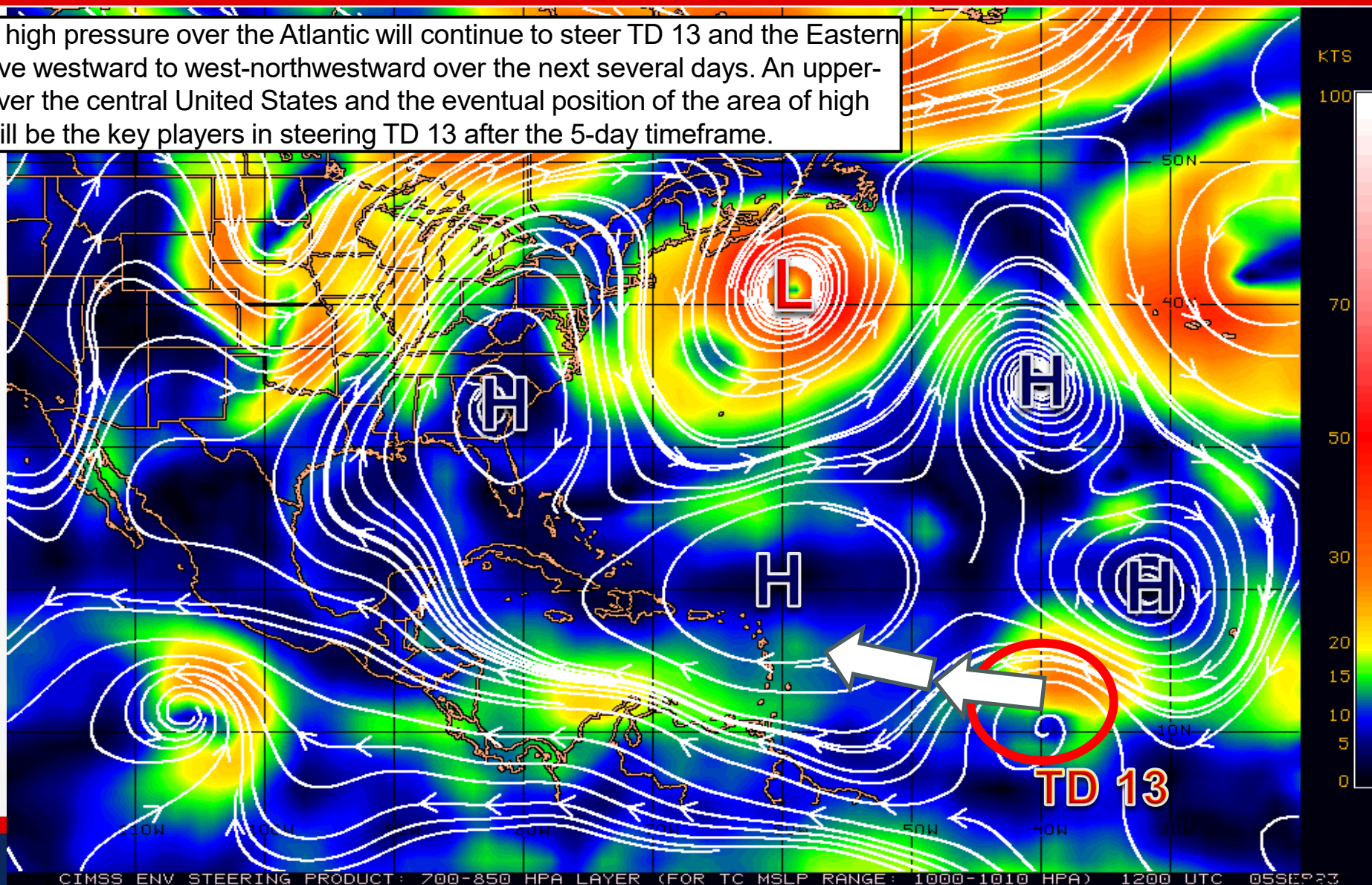


# Steering Currents

## What is Moving the System?

Color denotes the movement speed through the atmosphere and thin white lines denote direction. Tightly clustered white lines represent faster movement as well.

The dominant area of high pressure over the Atlantic will continue to steer TD 13 and the Eastern Tropical Atlantic Wave westward to west-northwestward over the next several days. An upper-level disturbance over the central United States and the eventual position of the area of high pressure will be the key players in steering TD 13 after the 5-day timeframe.



KTS  
100  
70  
50  
30  
20  
15  
10  
5  
0

Fast Moving Storm

Fast Moving Storm

Typical Moving Storm

Slow Moving Storm



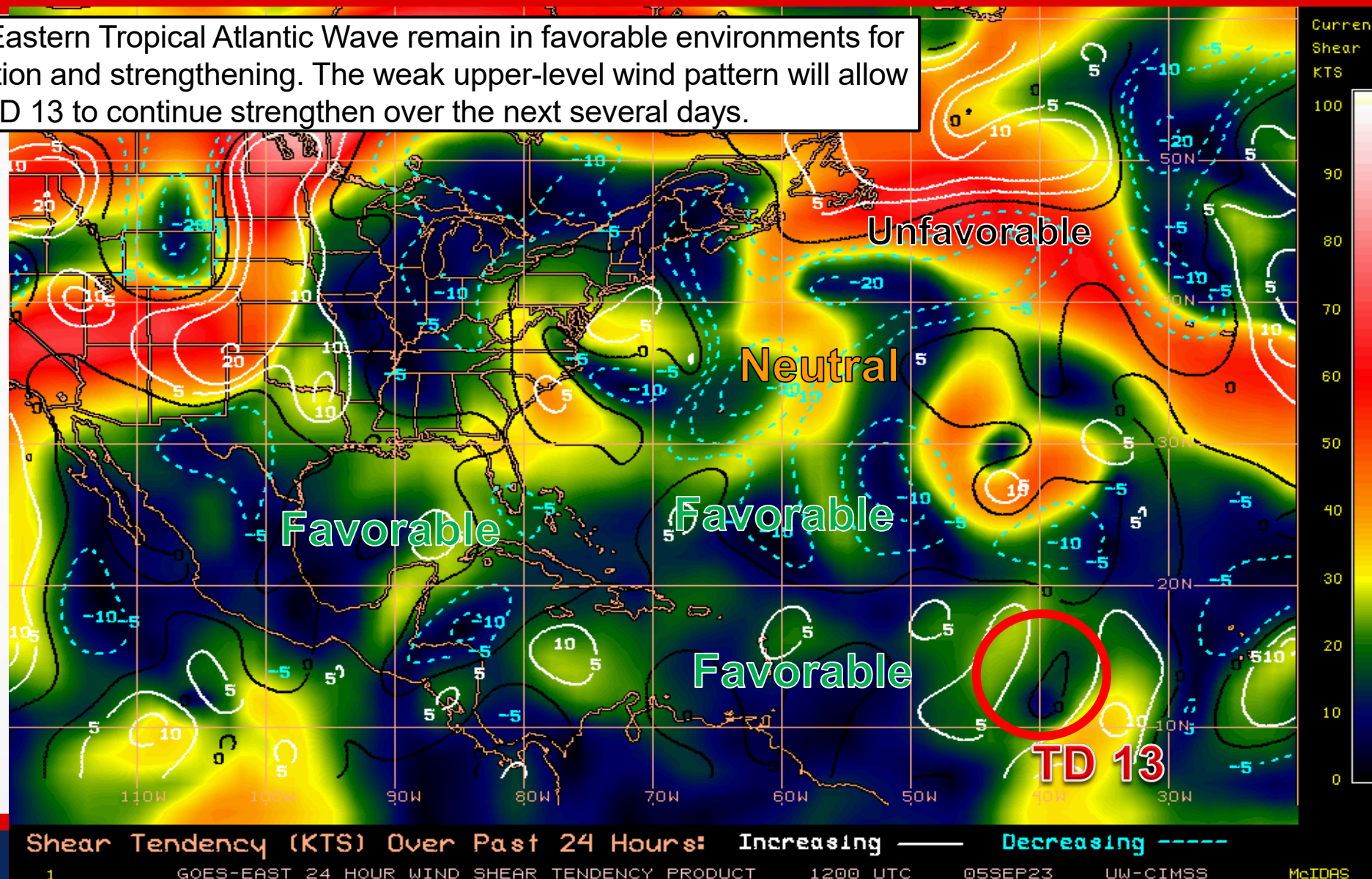


# Wind Shear

Is the environment favorable for the system?

Color denotes the amount of wind shear and the lines denote how it have changed over the last 24 hours (dotted lines show decreasing shear and solid lines show increasing).

TD 13 and the Eastern Tropical Atlantic Wave remain in favorable environments for further organization and strengthening. The weak upper-level wind pattern will allow for TD 13 to continue strengthen over the next several days.



HIGH Shear  
(Unfavorable)

HIGH Shear  
(Unfavorable)

MODERATE  
Shear  
(Neutral)

LOW Shear  
(Favorable)



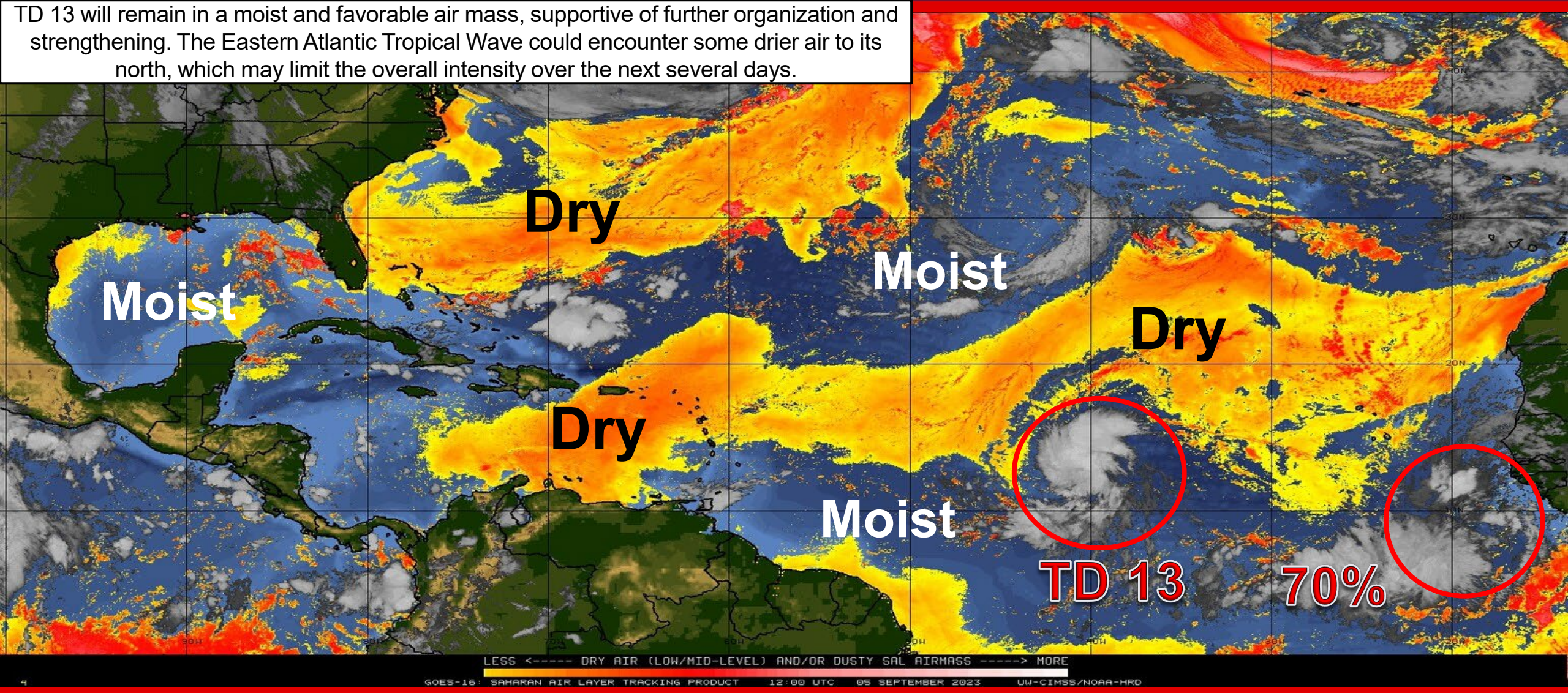


# Dry Air & Saharan Dust

Is the environment favorable for the system?

Color denotes concentration of Saharan Dust or dry, stable air.

TD 13 will remain in a moist and favorable air mass, supportive of further organization and strengthening. The Eastern Atlantic Tropical Wave could encounter some drier air to its north, which may limit the overall intensity over the next several days.



LESS <----- DRY AIR (LOW/MID-LEVEL) AND/OR DUSTY SAL AIRMASS -----> MORE

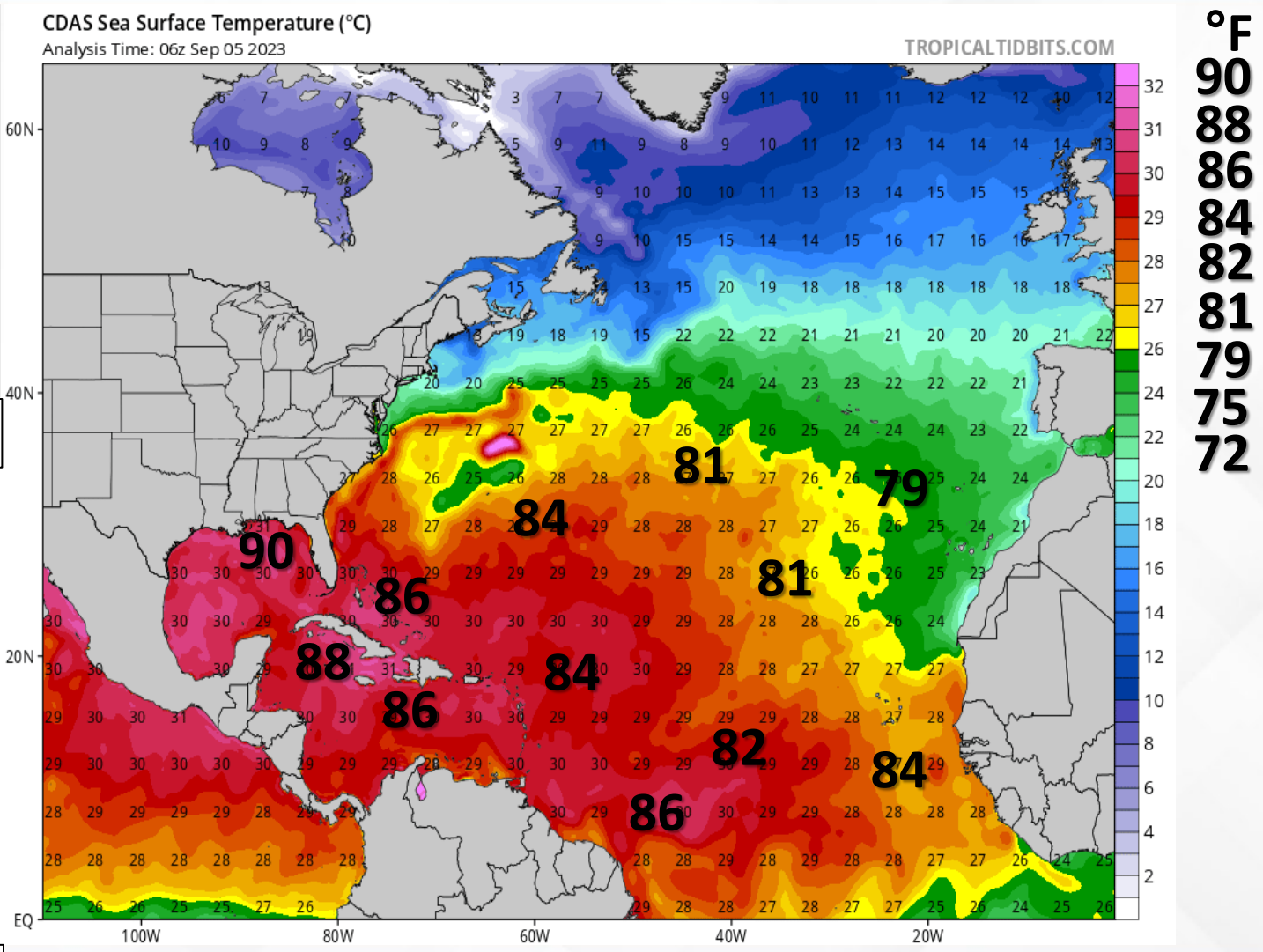
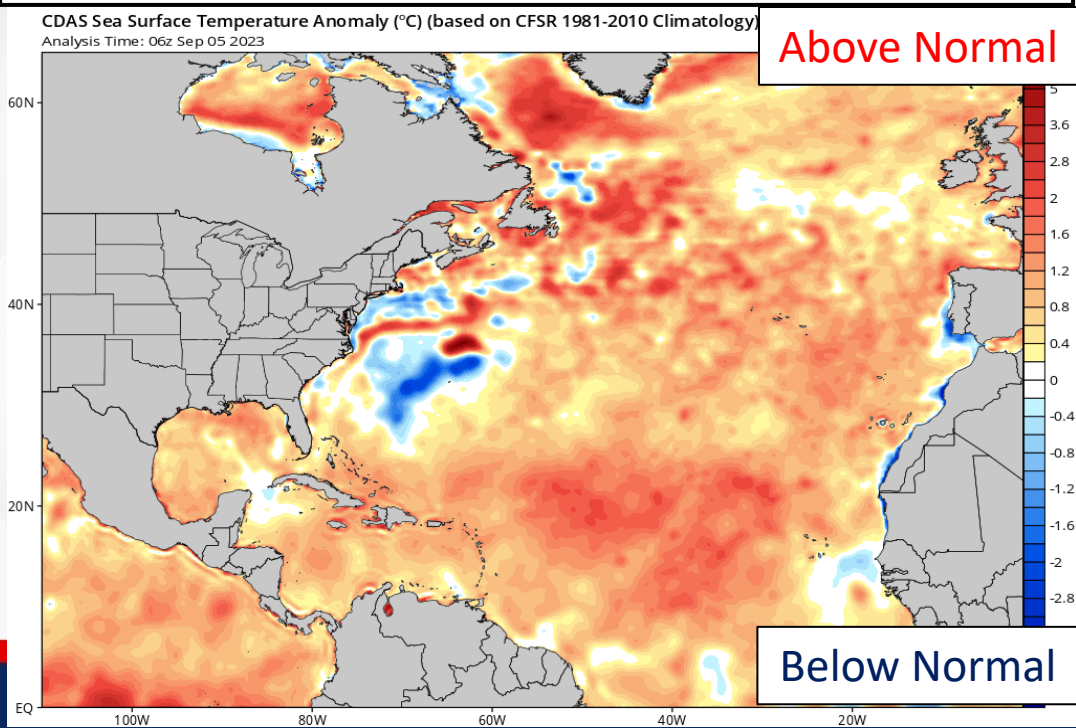




# Sea Surface Temperatures & Anomalies

Is the ocean favorable for the system?

Temperatures across the Atlantic Basin are very supportive of tropical cyclone development. Waters across the tropical Atlantic and Gulf of Mexico 1-2 degrees above normal for this time of year.





# Summary

## **Tropical Depression Thirteen:**

- The National Hurricane Center has issued the first advisory for Tropical Depression Thirteen, formerly Invest 95L.
- As of 11:00 AM EDT, TD 13 is located about 1,425 miles east of the Lesser Antilles, and is moving toward the west-northwest at 15 mph.
- The west-northwest motion is expected to continue for the next few days.
- Maximum sustained winds are near 35 mph, and the depression is forecast to become a hurricane in a couple of days. TD 13 could become a major hurricane as early as the end of the week.
- *This system poses no direct threat to Florida over the next 7 days, at least, but this system will continue to be monitored. Dangerous beach and boating conditions can be expected to develop along Florida's East Coast early next week.*

## **Eastern Tropical Atlantic Wave (70%):**

- A strong tropical wave is near the coast of West Africa, producing a large area of cloudiness and showers.
- Environmental conditions appear conducive for gradual development, and a tropical depression could form over the far eastern tropical Atlantic during the middle to latter part of the week while the system moves west-northwest at 10-15 mph.
- There is a 30% (low) chance of development over the next 48 hours, but a 70% (high) chance of development over the next 7 days.
- *This system poses no threat to Florida at this time.*

## **Former Franklin – Northeastern Atlantic Low (30%):**

- Post-Tropical Cyclone Franklin is located a few hundred miles north of the Azores, and is forecast to move quickly southeastward towards warmer waters.
- This system could acquire subtropical or tropical characteristics later this week or this weekend while it moves erratically between the Azores and Portugal.
- There is a 30% (low) chance of development over the next 7 days, and *this system poses no threat to Florida.*

## **Florida Outlook:**

- Area of high pressure to bring drier conditions to the Sunshine State over the next few days, with only isolated rain chances expected over Southwest Florida and the Keys (15-45% chance of rain).
- A drier air mass and breezy easterly winds will allow for heat index values to generally remain below the triple digits this afternoon.
- An elevated risk of rip currents can be expected to persist along several Florida Panhandle and East Coast beaches today.
- River Flood Warnings continue for the Peace River near Arcadia (SR-70) and Myakka River near Myakka River State Park as minor flooding is forecast to continue through mid to late this week.
- The next names on the list are Lee and Margot.

The next briefing package will be issued on Wednesday. For the latest information, please visit the [National Hurricane Center website](#).





# Tropical Update



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**State Meteorological Support Unit**

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