



Tropical Update



11:30 AM EDT

Tuesday, August 11, 2026

High (30/70%) Chance of Tropical Development over Central Atlantic

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.



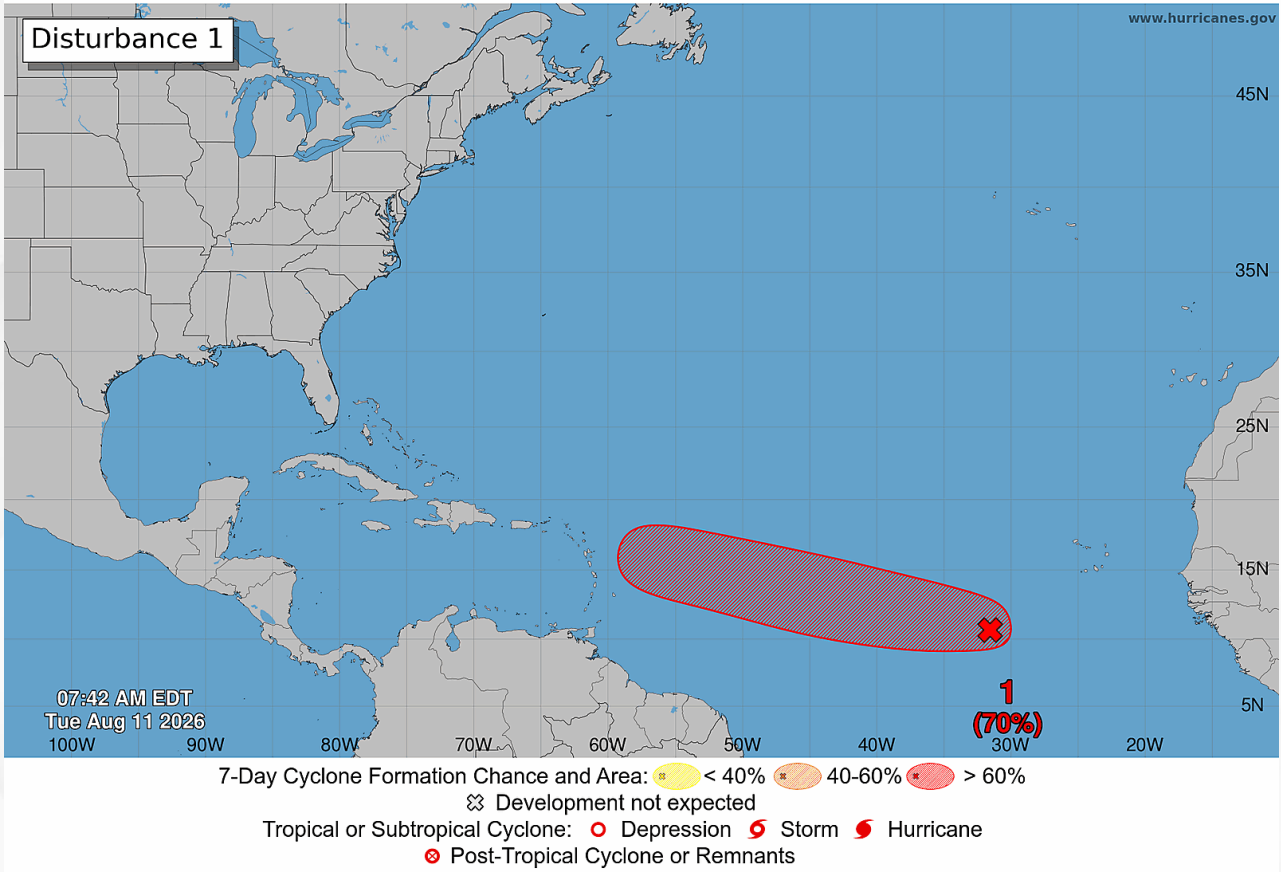
Tropical Weather Outlook

Disturbance 1 – Central Tropical Atlantic



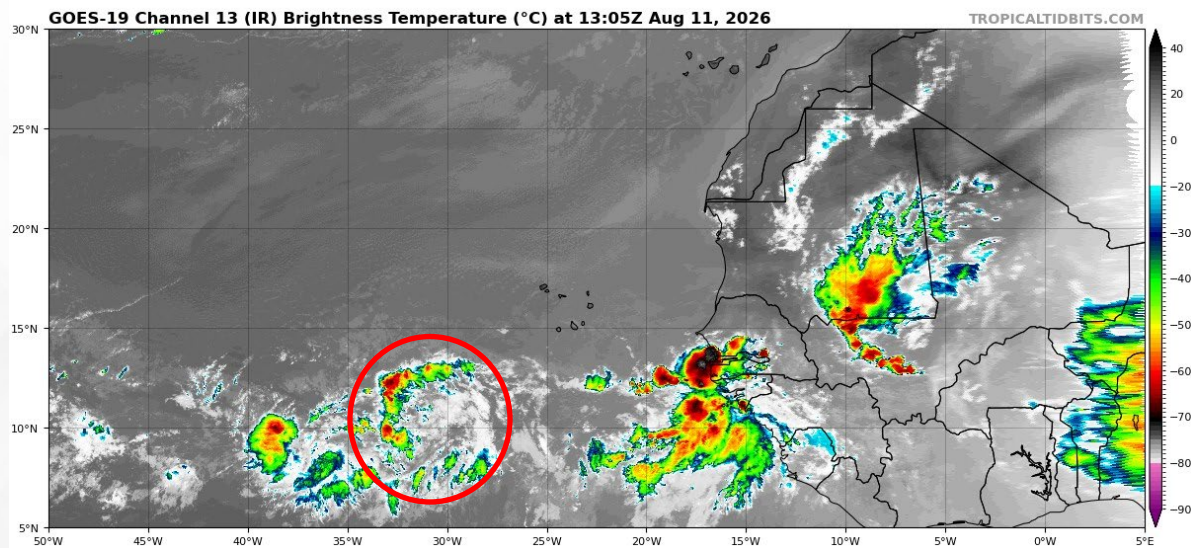
Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Shower and thunderstorm activity is currently limited in association with an area of low pressure located about 500 miles southwest of the Cabo Verde Islands. Environmental conditions are forecast to become more conducive for development during the next couple of days, and a tropical depression will likely form during the latter half of this week while the system moves westward to west-northwestward across the central tropical Atlantic.

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





Possible Track Scenarios

Color denotes areas of **high** and **low** pressure at the upper levels, or the steering flow. Darker (lighter) colors represent more anomalous and stronger (weaker) areas of high and low pressure.

Short-term motion of this disturbance will generally be westward/west-northwestward as it rides the southern periphery of a sprawling Atlantic ridge.

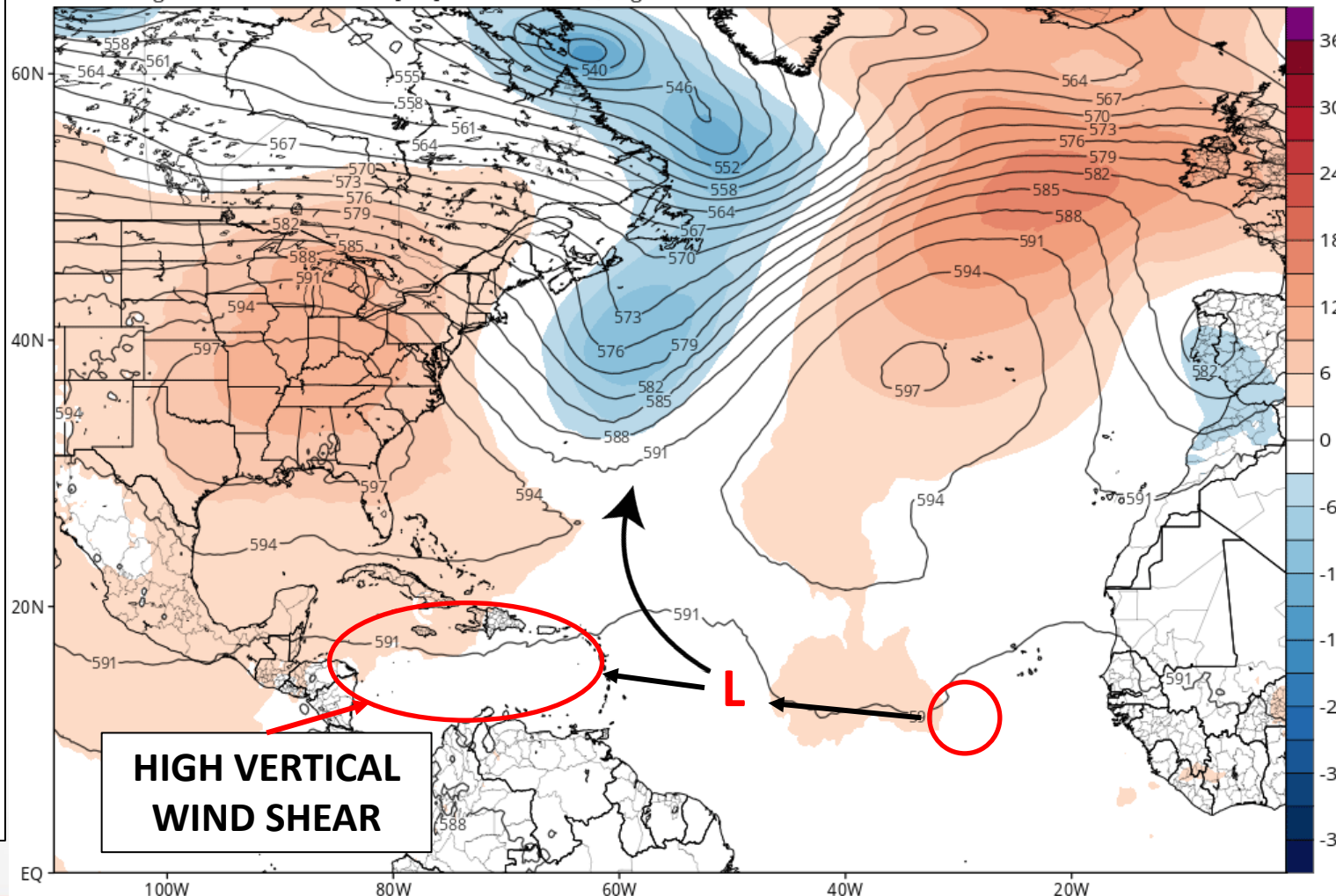
Track solutions diverge quite a bit once the system reaches ~50W. A trough will be sweeping across the North Atlantic, generating a significant weakness in the ridge and a pathway for the disturbance to safely recurve out to sea.

Alternatively, if the disturbance stays far enough south or if the trough does not dig deep enough into the Atlantic, the disturbance may “miss” this weakness and continue trekking westward towards the Caribbean. Extremely strong vertical wind shear present in this area will likely swiftly weaken/dissipate this system.

GFS 500mb Geopotential Height & Anomaly (dam) (based on CFSR 1981-2010 Climatology)

Init: 06z Aug 11 2026 Forecast Hour: [114] valid at 00z Sun, Aug 16 2026

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High Pressure

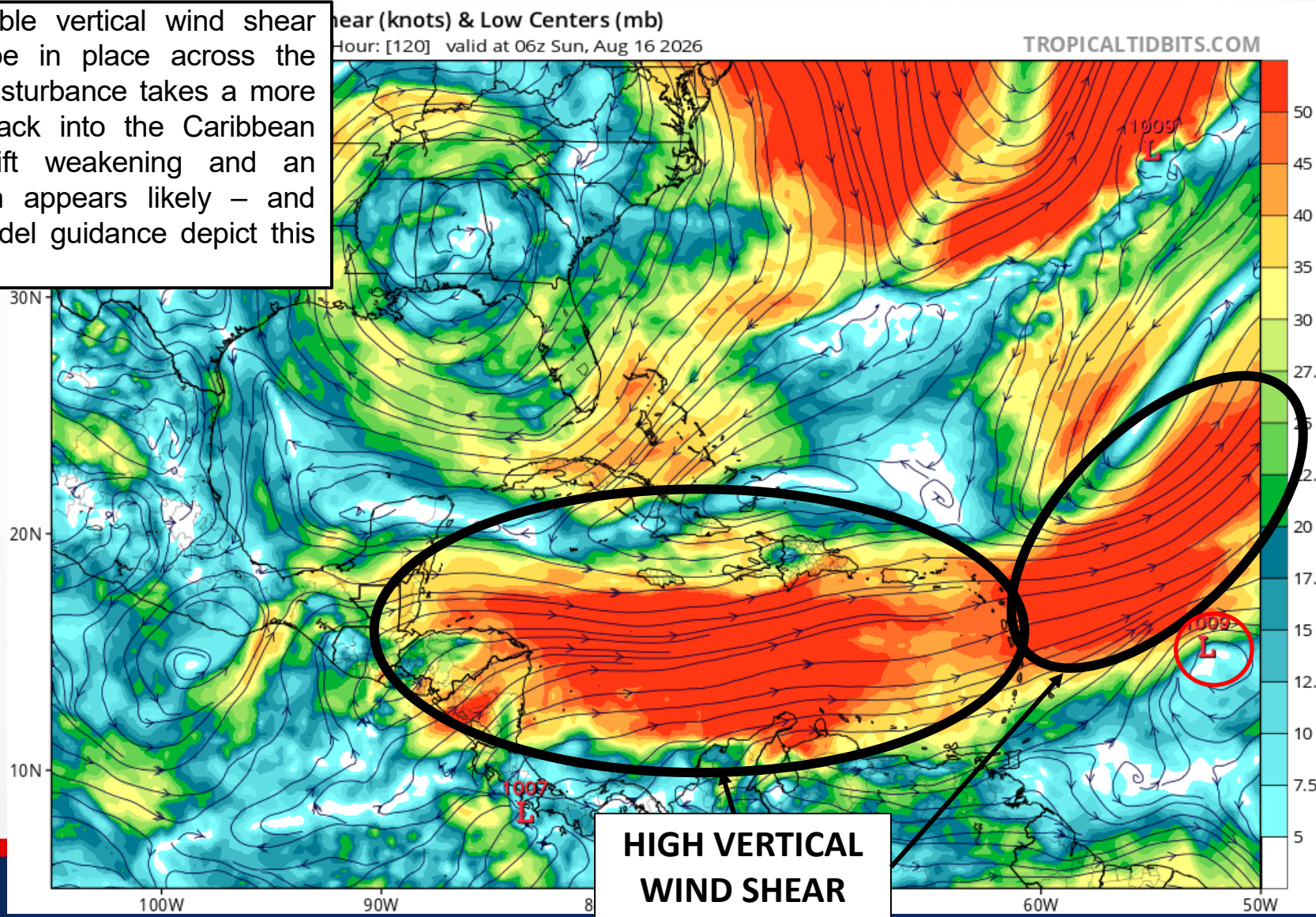
Low Pressure



Wind Shear

Caribbean – This Weekend

Extremely unfavorable vertical wind shear (50-70kts +) will be in place across the Caribbean. If this disturbance takes a more southern/western track into the Caribbean this weekend, swift weakening and an eventual dissipation appears likely – and many pieces of model guidance depict this scenario.



HIGH Shear
(Very Unfavorable)

MODERATE Shear
(Neutral-Unfavorable)

LOW Shear
(Favorable)

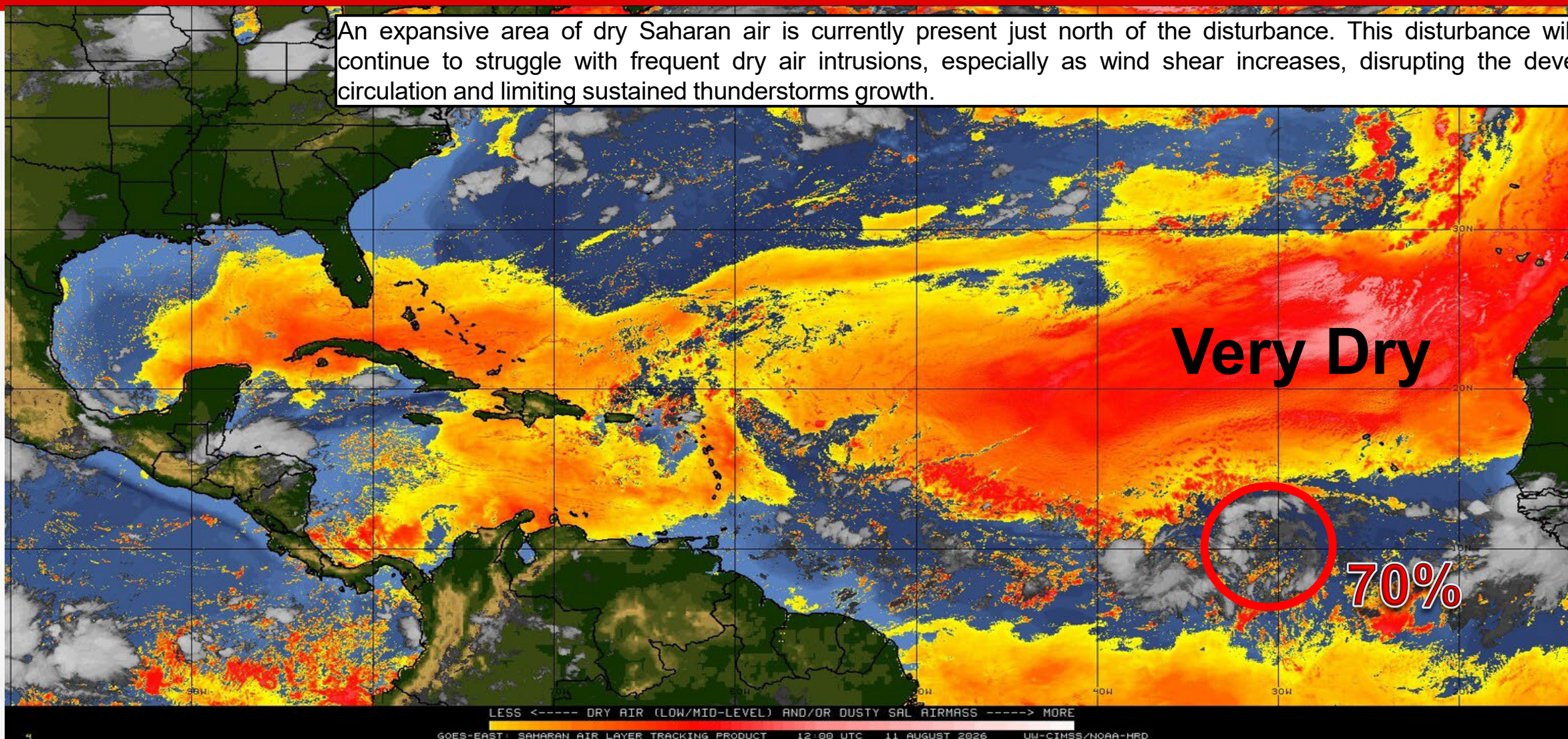
**HIGH VERTICAL
WIND SHEAR**



Dry Air & Saharan Dust

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

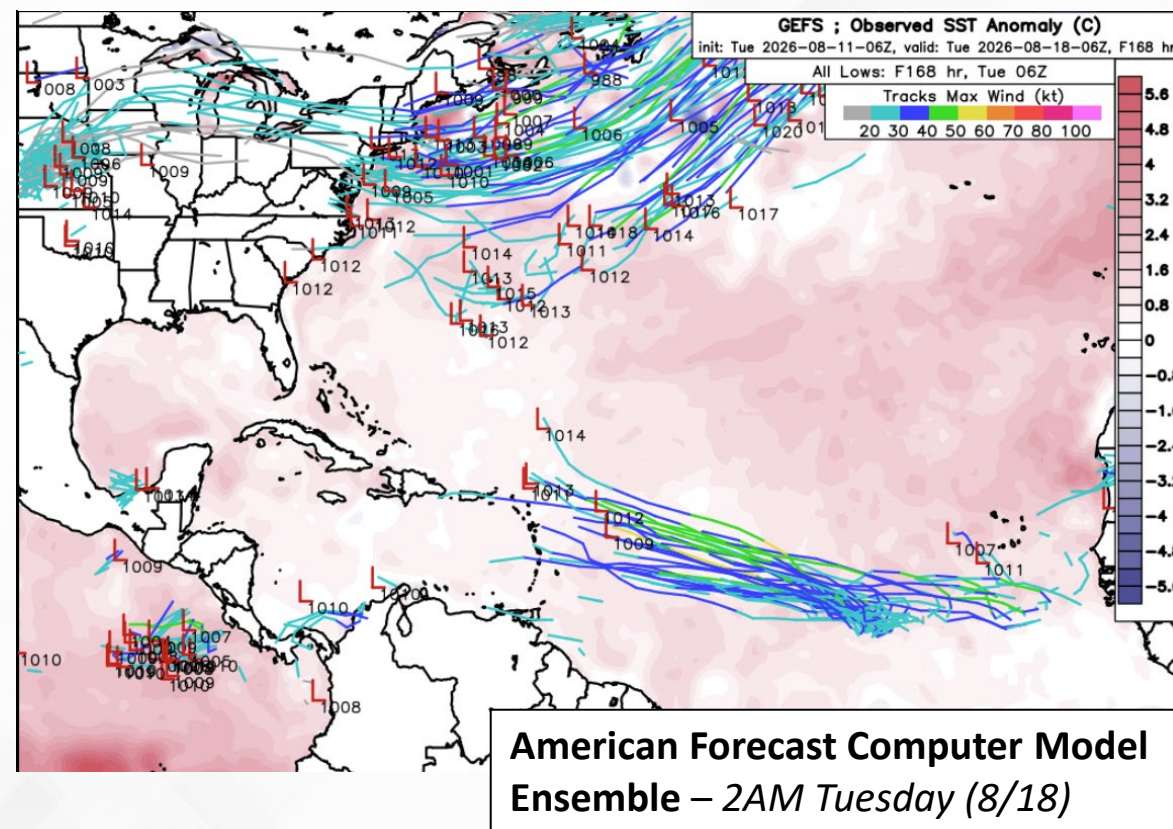
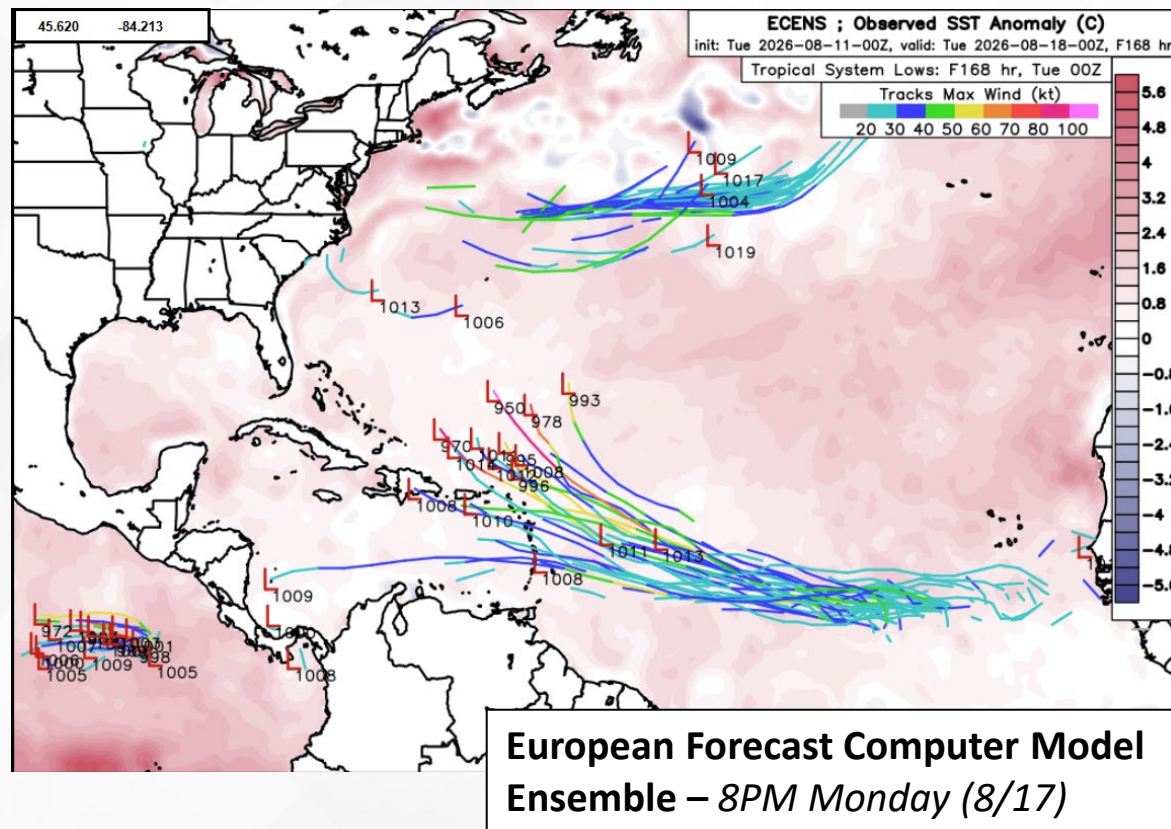
An expansive area of dry Saharan air is currently present just north of the disturbance. This disturbance will likely continue to struggle with frequent dry air intrusions, especially as wind shear increases, disrupting the developing circulation and limiting sustained thunderstorms growth.





Computer Model (Ensembles)

Next 7-days



EURO ensembles are a little more bullish on development than the GFS, though nearly all stronger ensemble members depict a safe recurve well to the east of FL. GFS ensembles have come down quite a bit, with many members outright depicting a dissipating tropical system (courtesy of strong vertical wind shear) quickly after crossing 50W.



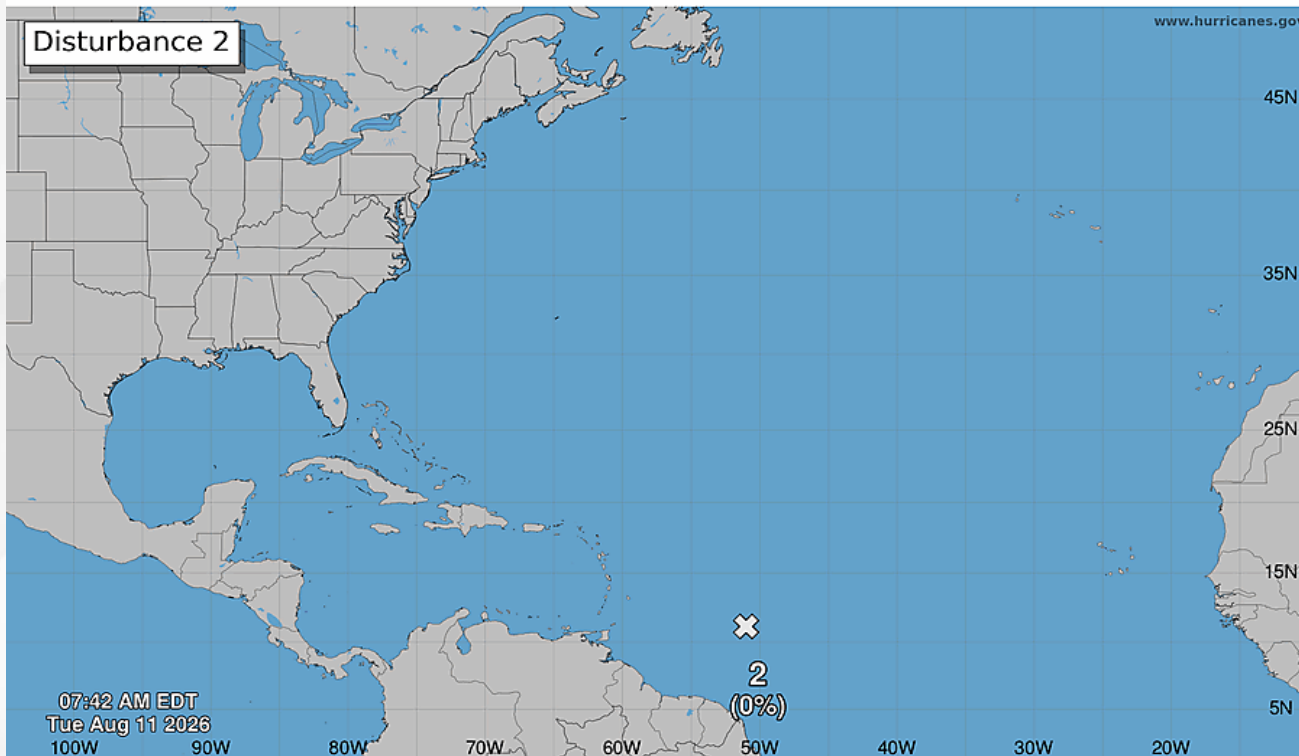
Tropical Weather Outlook

Disturbance 2 – East of the Windward Islands



Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



7-Day Cyclone Formation Chance and Area: < 40% 40-60% > 60%

Development not expected

Tropical or Subtropical Cyclone: Depression Storm Hurricane

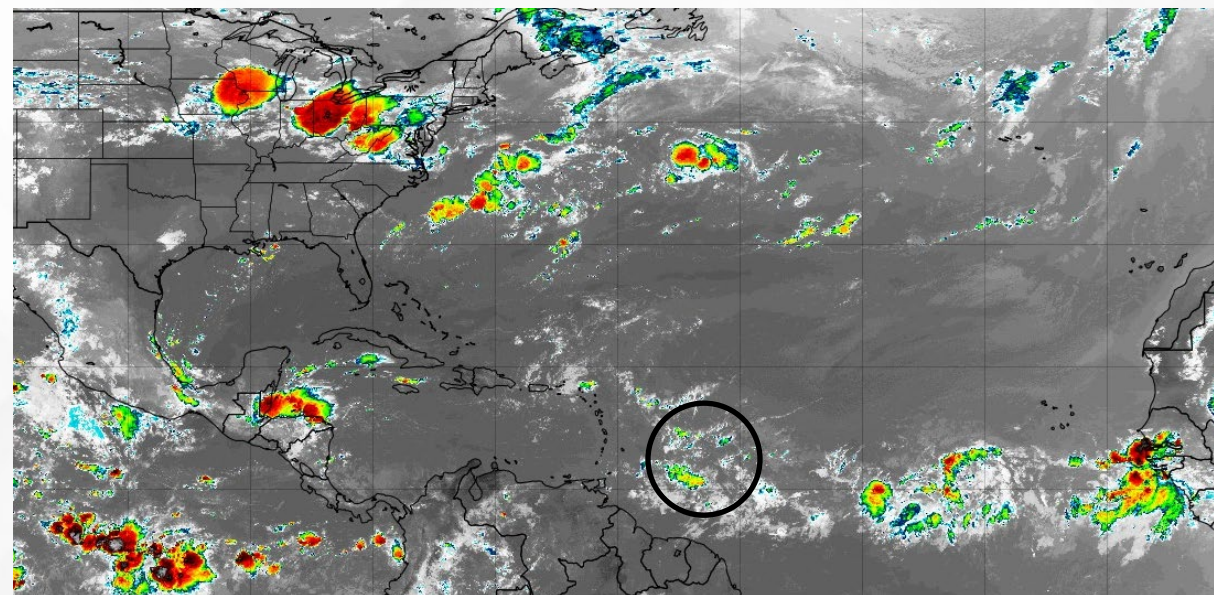
Post-Tropical Cyclone or Remnants

Disorganized showers and thunderstorms associated with a tropical wave are located about 600 miles east of the Windward Islands. The system is expected to encounter a large area of environmental dry air as it approaches the Windward Islands, and development is not expected. Locally heavy rains and gusty winds will be possible in the Lesser Antilles during the next couple of days as the disturbance moves through the area.

This system poses no threat to Florida.

*Formation chance through 48 hours...near 0%

*Formation chance through 7 days...near 0%





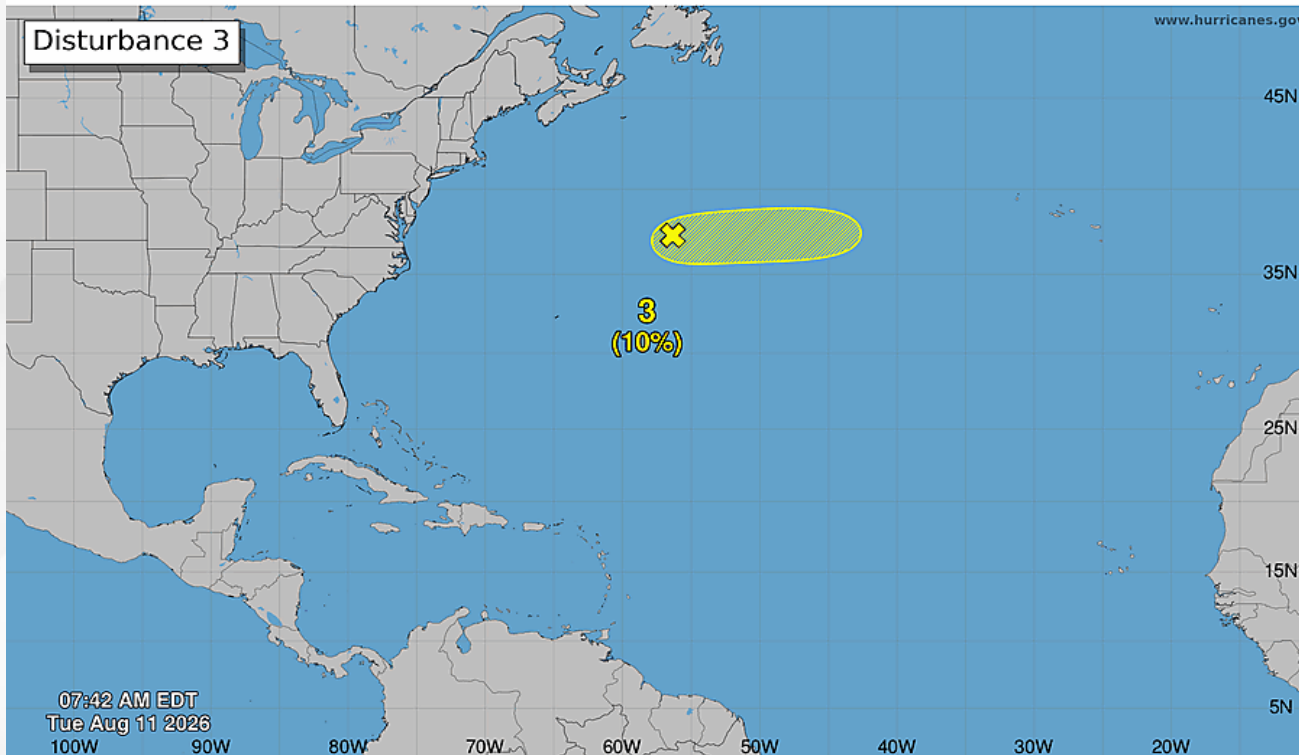
Tropical Weather Outlook

Disturbance 3 – Central Subtropical Atlantic



Seven-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



7-Day Cyclone Formation Chance and Area: < 40% 40-60% > 60%

Development not expected

Tropical or Subtropical Cyclone: Depression Storm Hurricane

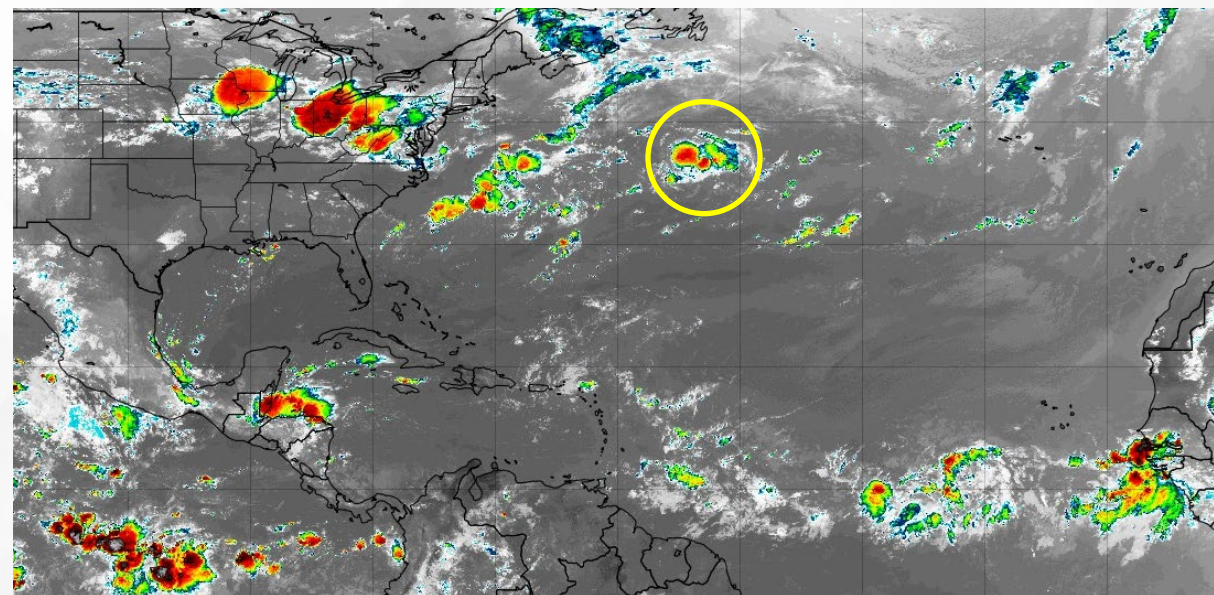
Post-Tropical Cyclone or Remnants

A trough of low pressure located several hundred miles northeast of Bermuda is producing showers and thunderstorms. Some development of this system is possible during the next day or so while it moves eastward at around 20 mph across the central subtropical Atlantic. The system is forecast to reach cooler waters later this week, ending its chances of formation by Thursday.

This system poses no threat to Florida.

*Formation chance through 48...**low...10%**

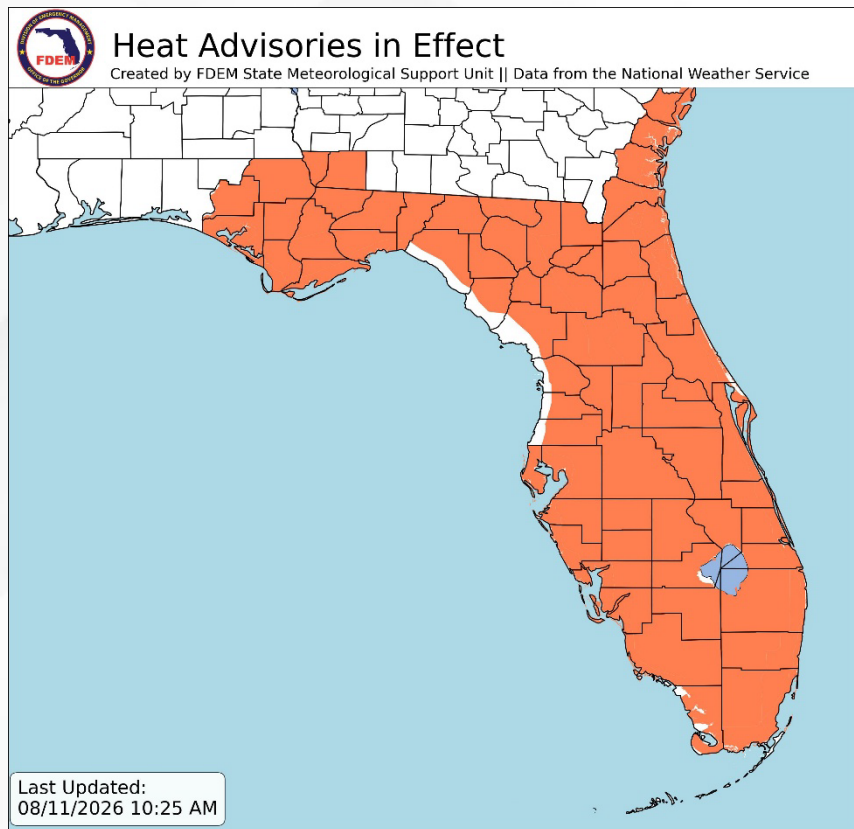
*Formation chance through 7 days...**low...10%**



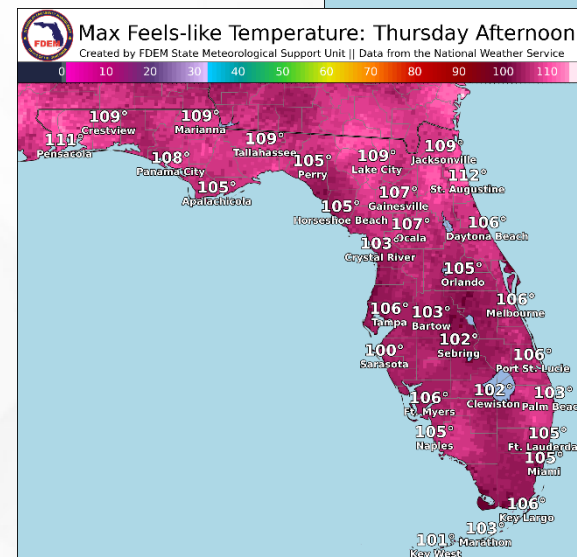
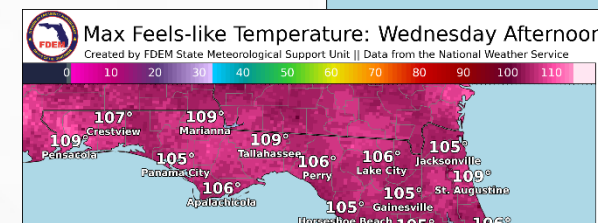
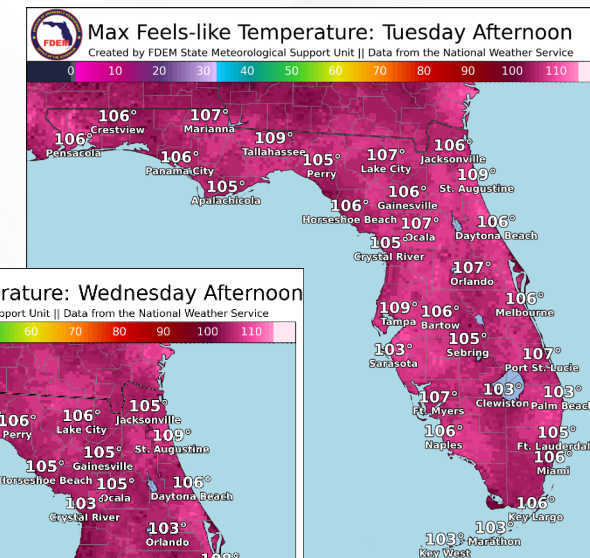


Dangerous Heat This Week

From the National Weather Service



Building high pressure and seasonable low-level moisture will allow afternoon heat indexes to soar into the **middle to upper 100s** each day this week. **Heat Advisories ($\geq 108^{\circ}\text{F}$)** are in effect today across most of the state. With no relief in site, additional **Heat Advisories** are likely to be needed for many throughout the rest of the week.





Summary

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Disturbance 1 – Central Tropical Atlantic:

- Shower and thunderstorm activity is currently limited in association with an area of low pressure located about 500 miles southwest of the Cabo Verde Islands.
- Environmental conditions are forecast to become more conducive for development during the next couple of days, and a tropical depression will likely form during the latter half of this week while the system moves westward to west-northwestward across the central tropical Atlantic.
- This disturbance has a **70%** chance of development over the next 7-days.
- Model guidance indicates a bifurcation of solutions, with most models depicting either a recurve out to sea or a track further south into the Western Caribbean and into an environment with high vertical wind shear.
- ***Direct Florida impacts from this system appears highly unlikely at this time, however it is too far out to rule out entirely. Continue to monitor the latest forecasts from the [NHC](#).***

Disturbance 2 – East of the Windward Islands:

- Disorganized showers and thunderstorms associated with a tropical wave are located about 600 miles east of the Windward Islands.
- The system is expected to encounter a large area of environmental dry air as it approaches the Windward Islands.
- Tropical cyclone development is no longer expected over the next 7 days (**near 0%**)
- ***This system poses no threat to Florida.***

Disturbance 3 – Central Subtropical Atlantic:

- A trough of low pressure located several hundred miles northeast of Bermuda is producing showers and thunderstorms.
- Some development of this system is possible during the next day or so while it moves eastward at around 20 mph across the central subtropical Atlantic.
- The system is forecast to reach cooler waters later this week, ending its chances of formation by Thursday.
- Formation chances remain **low** over the next 48 hours and 7 days (**10%**).
- ***This system poses no threat to Florida.***

Florida Outlook:

- Oppressive heat/humidity and unseasonably low rain chances will be the main weather story this week across Florida as high pressure and dry mid-level air continues to dominate.
- Heat indexes to soar into the **middle to upper 100s** each day this week.
- Prolonged outdoor exposure may lead to rapid onsets of **heat related illnesses**. Take care to stay hydrated, limit time spent outdoors, and to know the signs of heat related illnesses for yourself and those around you.
- **Heat Advisories (>= 108F)** are in effect today across most of the state, with additional advisories likely needed for many each day this week.

The next name on the list is **Cristobal** (krees-TOH-bahl).

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



Tropical Update

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Florida Division of Emergency Management

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