



Tropical Update



12:30 PM EDT

Thursday, August 13, 2026

Monitoring Invests 92L and 94L in the Central and Eastern Tropical Atlantic; Both Expected to Struggle with Dry Air and Strong Wind Shear; Systems Pose No Threat to Florida at this Time

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.



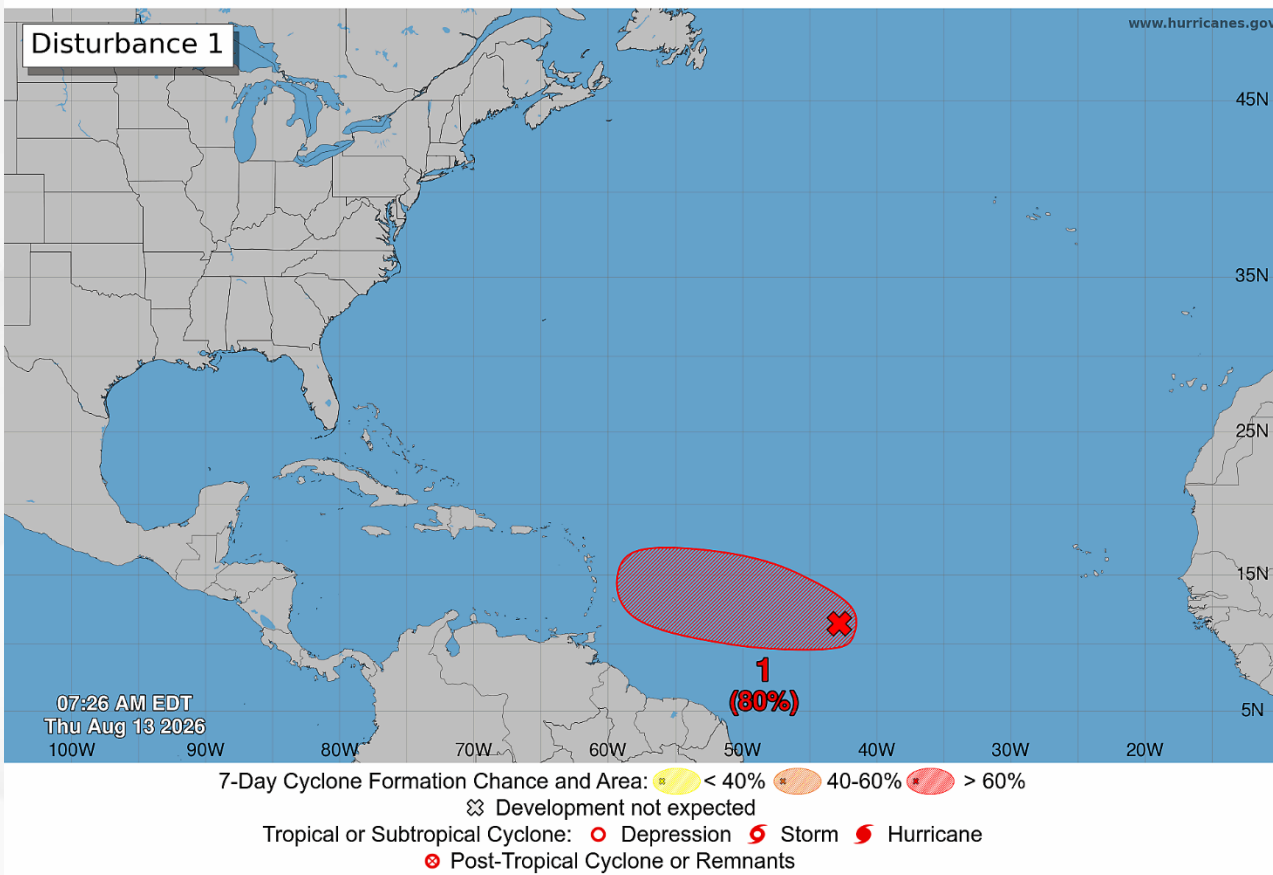
Tropical Weather Outlook

Invest 92L – Central Tropical Atlantic



Seven-Day Graphical Tropical Weather Outlook

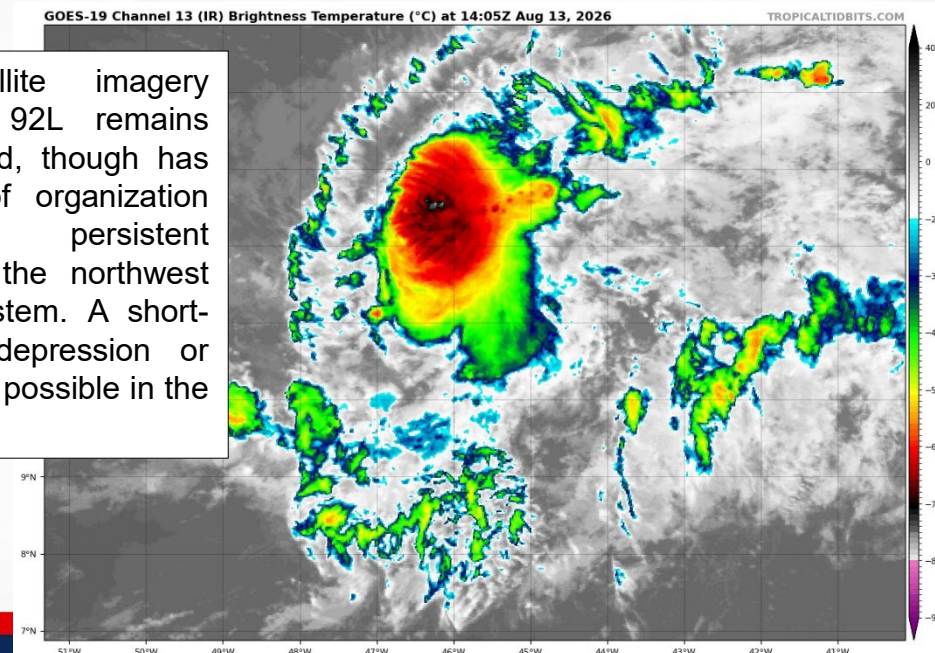
National Hurricane Center Miami, Florida



Showers and thunderstorms are showing signs of organization in association with a tropical wave located about 1000 miles east of the Lesser Antilles. This system will likely become a short-lived tropical depression during the next day or two as it moves westward across the tropical Atlantic. However, by late Friday, the system is expected to move into a region of strong upper-level winds and dry air, which should end its opportunity to develop. ***This system poses no threat to Florida.***

- Formation chance through 48 hours **...high... 80%**
- Formation chance through 7 days **...high... 80%**

Morning Satellite imagery shows Invest 92L remains poorly organized, though has shown signs of organization with more persistent convection on the northwest side of the system. A short-lived tropical depression or tropical storm is possible in the next day or two.





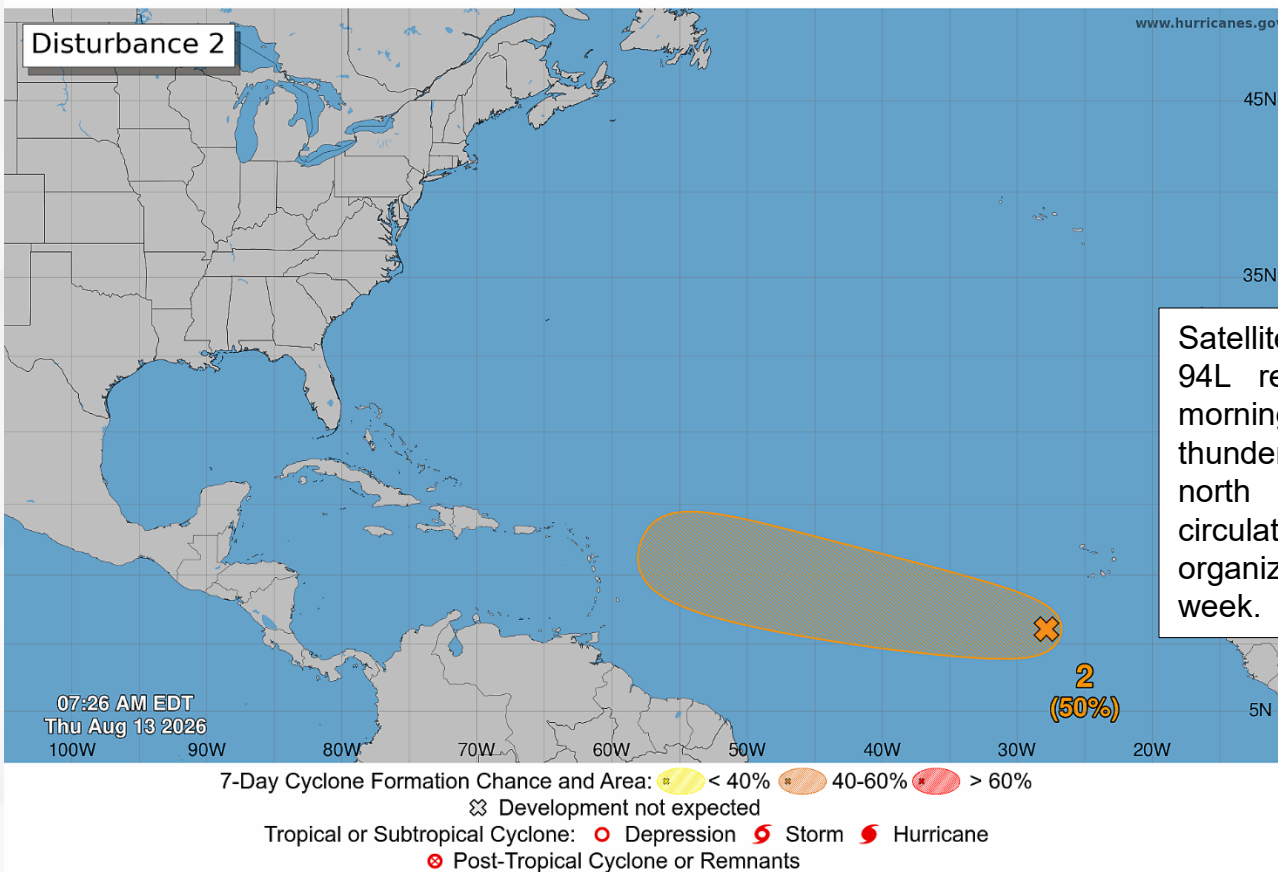
Tropical Weather Outlook

Invest 94L – Eastern Tropical Atlantic



Seven-Day Graphical Tropical Weather Outlook

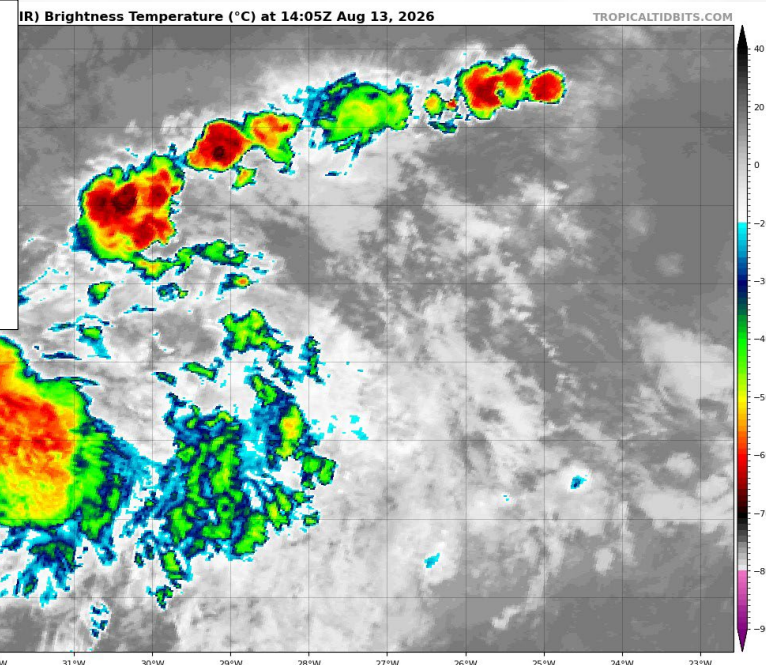
National Hurricane Center Miami, Florida



A tropical wave located a few hundred miles south-southwest of the Cabo Verde Islands is producing disorganized showers and thunderstorms. Environmental conditions are forecast to be generally conducive for gradual development, and a tropical depression could form late this week or this weekend while the wave moves westward or west-northwestward across the eastern and central tropical Atlantic. ***This system poses no threat to Florida at this time.***

- Formation chance through 48...**low...30%**
- Formation chance through 7 days...**medium...50%**

Satellite imagery indicates that Invest 94L remains poorly organized this morning with showers and thunderstorms displaced well off to the north and west of the center of circulation. The system may gradually organize this weekend and early next week.



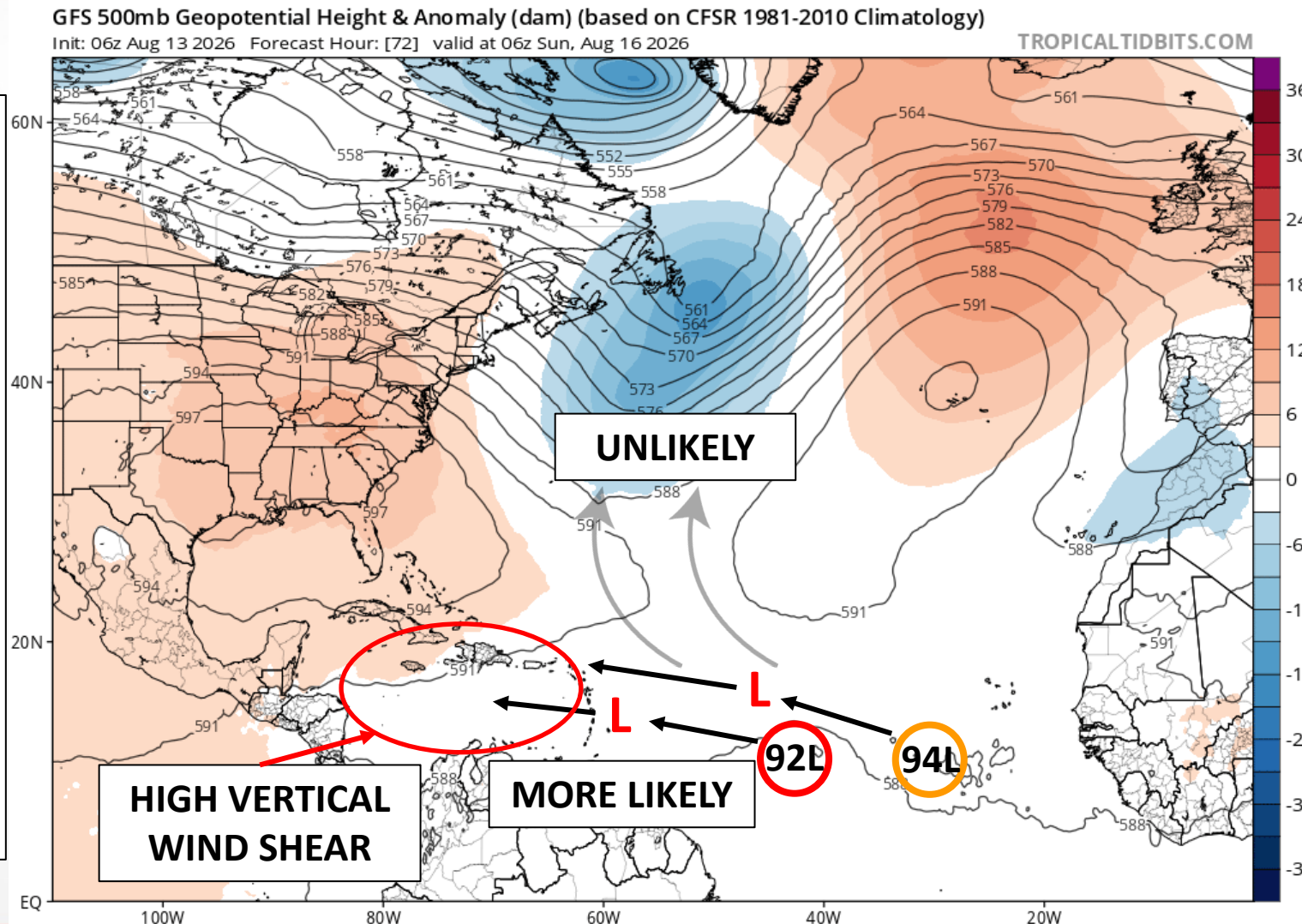


Invest 92L and 94L Forecast Track

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.

Invest 92L's model guidance remains in good agreement that the system will take a westerly track into the Western Caribbean. A weaker system in the short-term, as well as a weaker "escape route" to the north, will result in Invest 92L remaining across the tropical Atlantic and eventually dissipating in the Western Caribbean as it succumbs to strong vertical wind shear.

Current computer model guidance indicates that Invest 94L, on the heels of Invest 92L, will take a slightly more northerly track over the tropical Atlantic, though is highly dependent on any short-term organization and strengthening. Should Invest 94L struggle to organize or maintain persistent thunderstorm activity, a more southerly track following in the path of 92L is more likely. Very few ensemble members indicate strengthening of Invest 94L into a formidable system currently, and it is expected to struggle with dry air and shear like 92L.



High Pressure

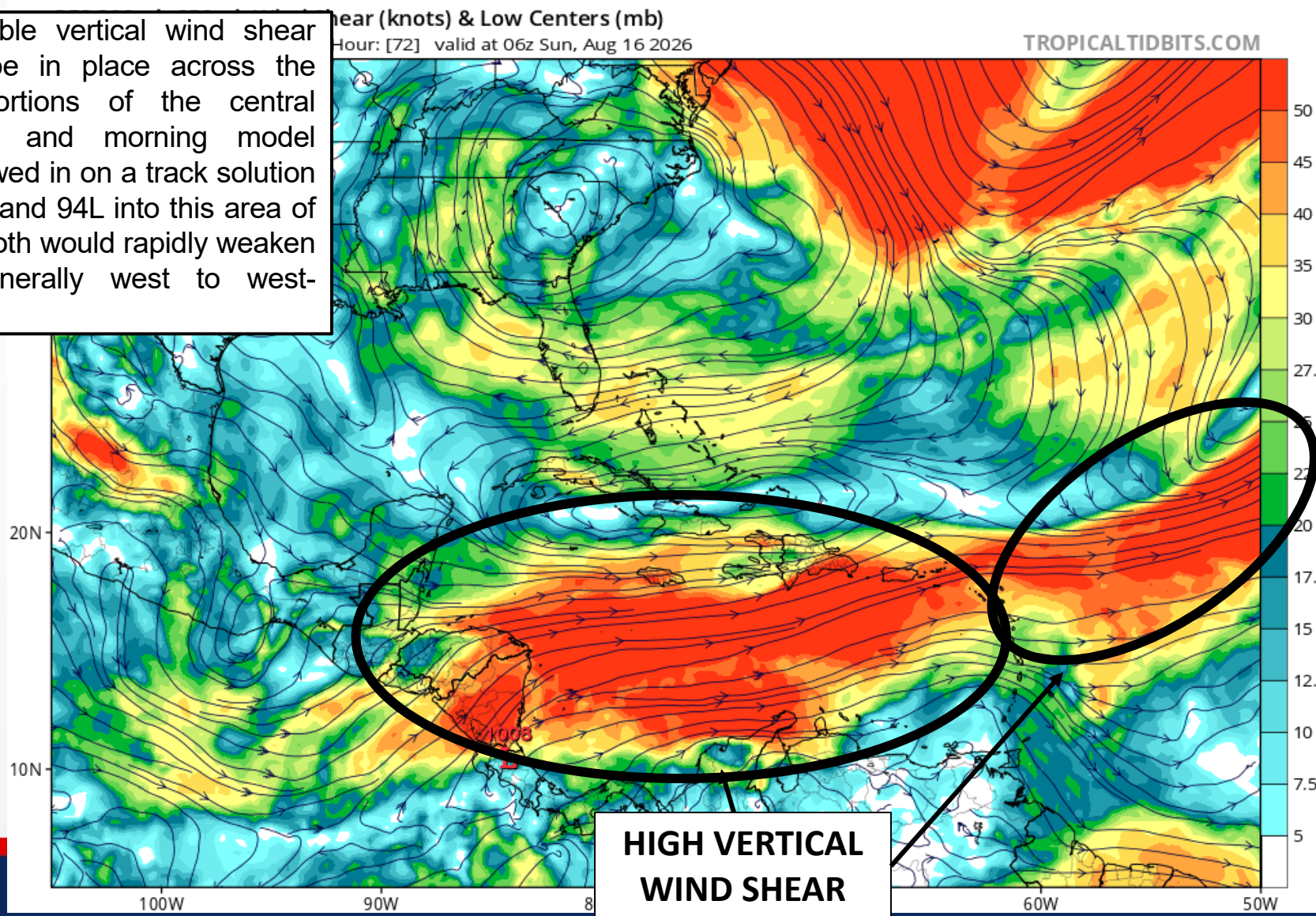
Low Pressure



Wind Shear

Caribbean – This Weekend

Extremely unfavorable vertical wind shear (50-70kts +) will be in place across the Caribbean and portions of the central Atlantic. Overnight and morning model guidance has narrowed in on a track solution that takes both 92L and 94L into this area of high shear, where both would rapidly weaken as they track generally west to west-northwestward.



HIGH Shear
(Very Unfavorable)

MODERATE Shear
(Neutral-Unfavorable)

LOW Shear
(Favorable)

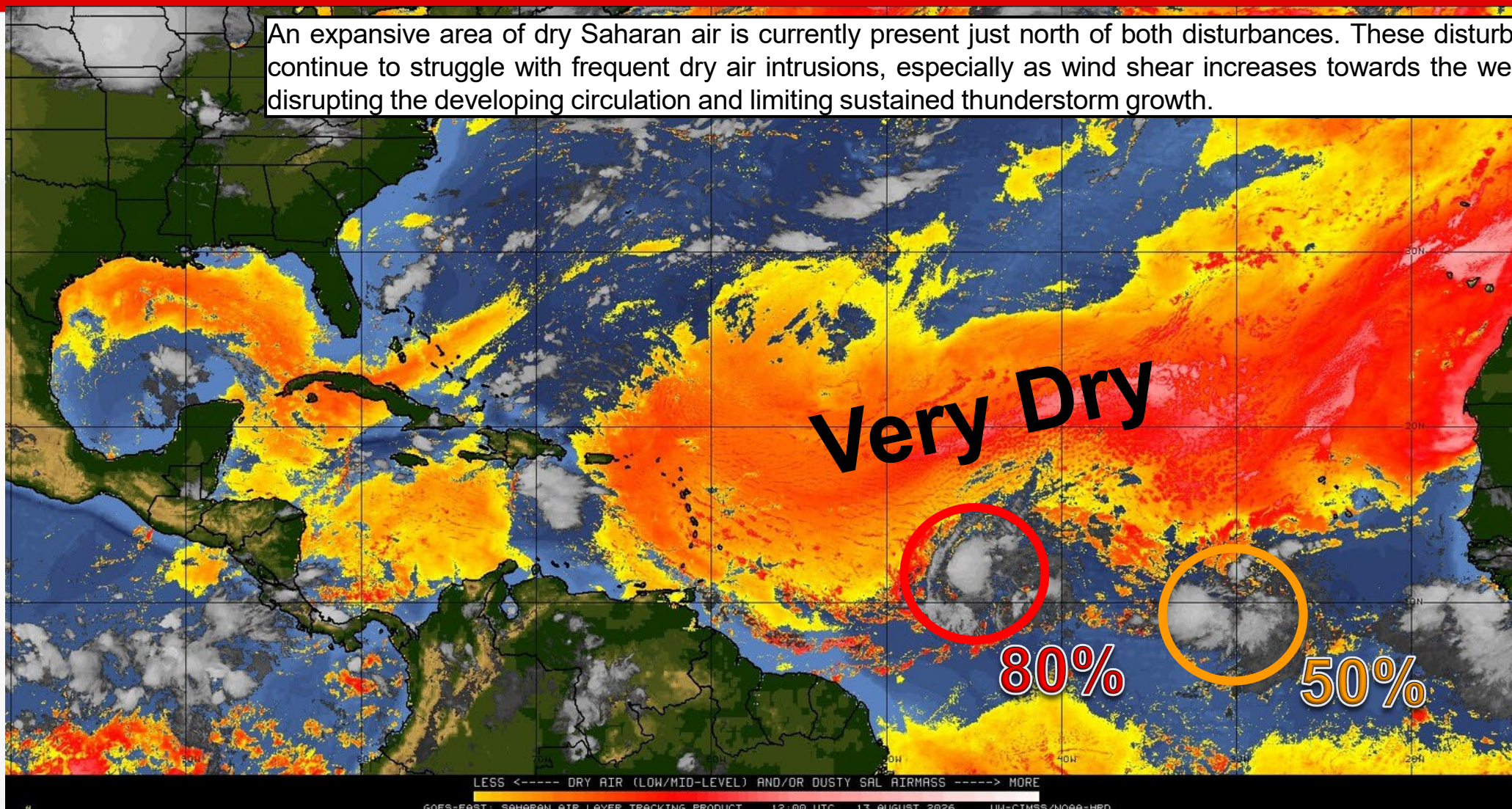
**HIGH VERTICAL
WIND SHEAR**



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 both disturbances. These disturbances will likely continue to struggle with frequent dry air intrusions, especially as wind shear increases towards the west, intermittently disrupting the developing circulation and limiting sustained thunderstorm growth.





Computer Models (Deterministic)

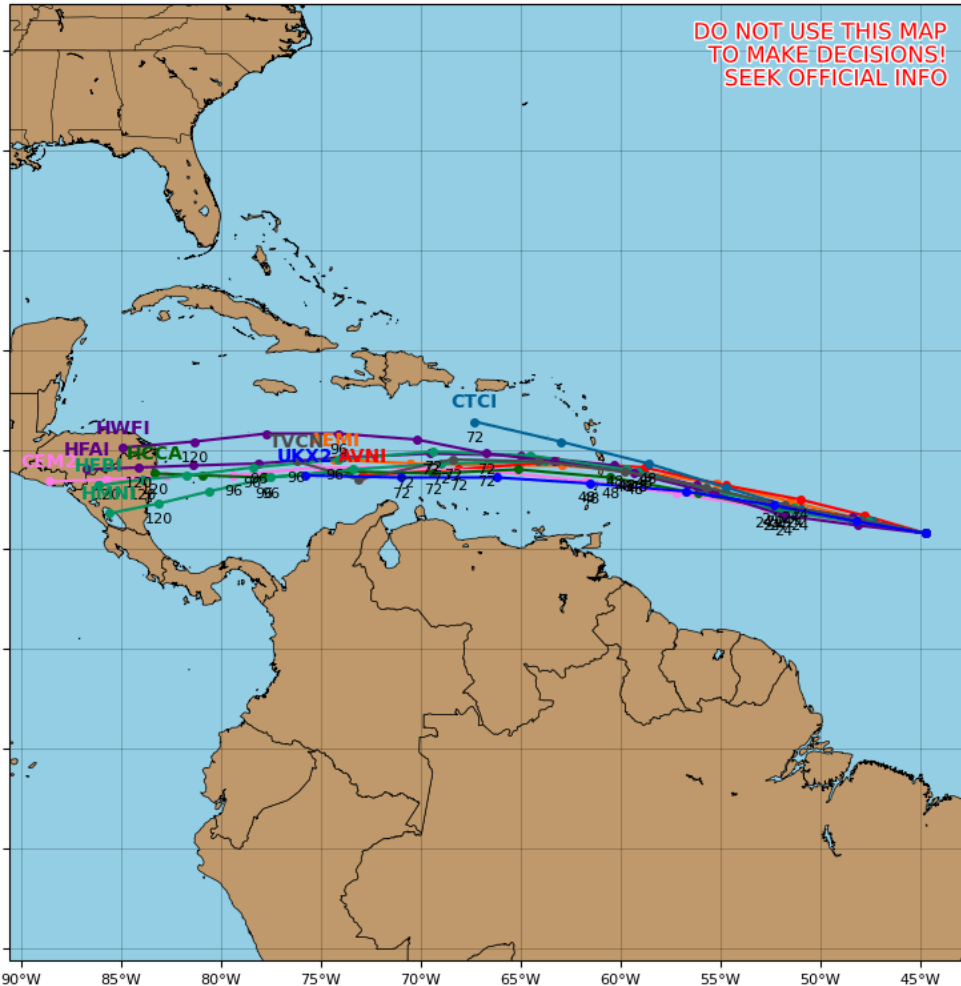
Invest 92L – Next 5 to 7 Days

Invest 92L Model Track Guidance

Initialized at 12z Aug 13 2026

Levi Cowan - tropicaltidbits.com

DO NOT USE THIS MAP
TO MAKE DECISIONS!
SEEK OFFICIAL INFO

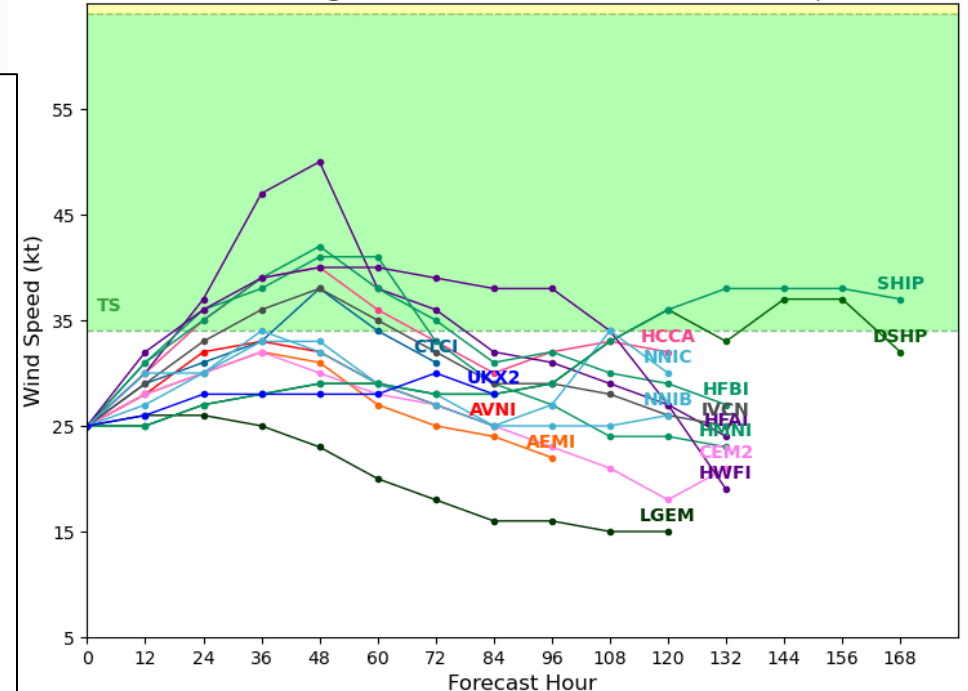


- A general west to west-northwestward motion of Invest 92L is expected. 92L will likely enter the Western Caribbean by Saturday, bringing periods of heavy rainfall and gusty winds to the Lesser Antilles.
- Any intensification of Invest 92L will be brief and minor as it eventually succumbs to very strong wind shear in the Caribbean. A weak tropical depression or storm cannot be ruled out before it reaches the Lesser Antilles.

Invest 92L Model Intensity Guidance

Initialized at 12z Aug 13 2026

Levi Cowan - tropicaltidbits.com





Computer Models (Deterministic)

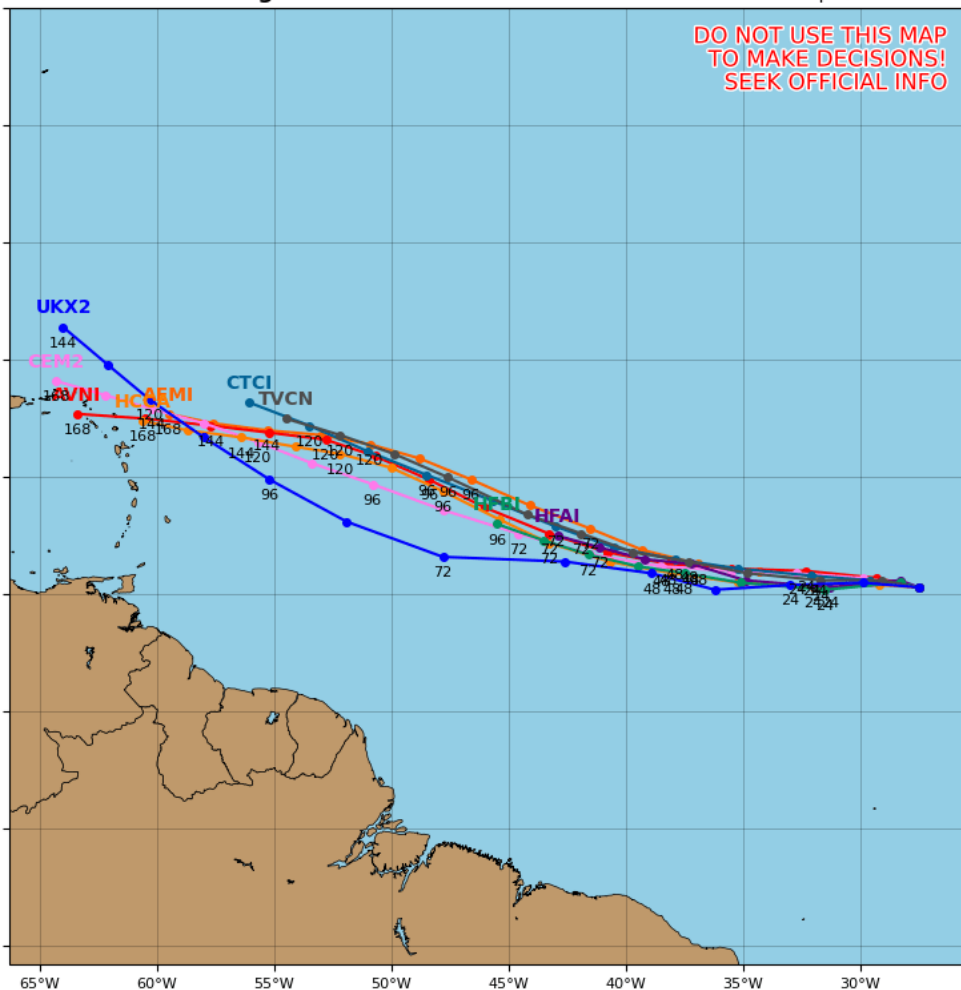
Invest 94L – Next 5 to 7 Days

Invest 94L Model Track Guidance

Initialized at 12z Aug 13 2026

Levi Cowan - tropicaltidbits.com

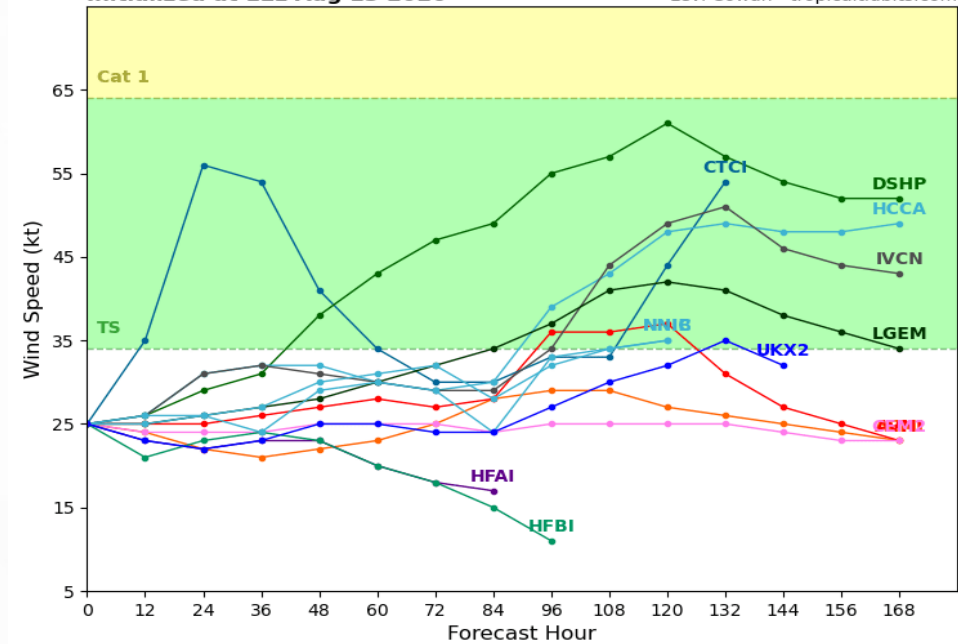
DO NOT USE THIS MAP
TO MAKE DECISIONS!
SEEK OFFICIAL INFO



Invest 94L Model Intensity Guidance

Initialized at 12z Aug 13 2026

Levi Cowan - tropicaltidbits.com

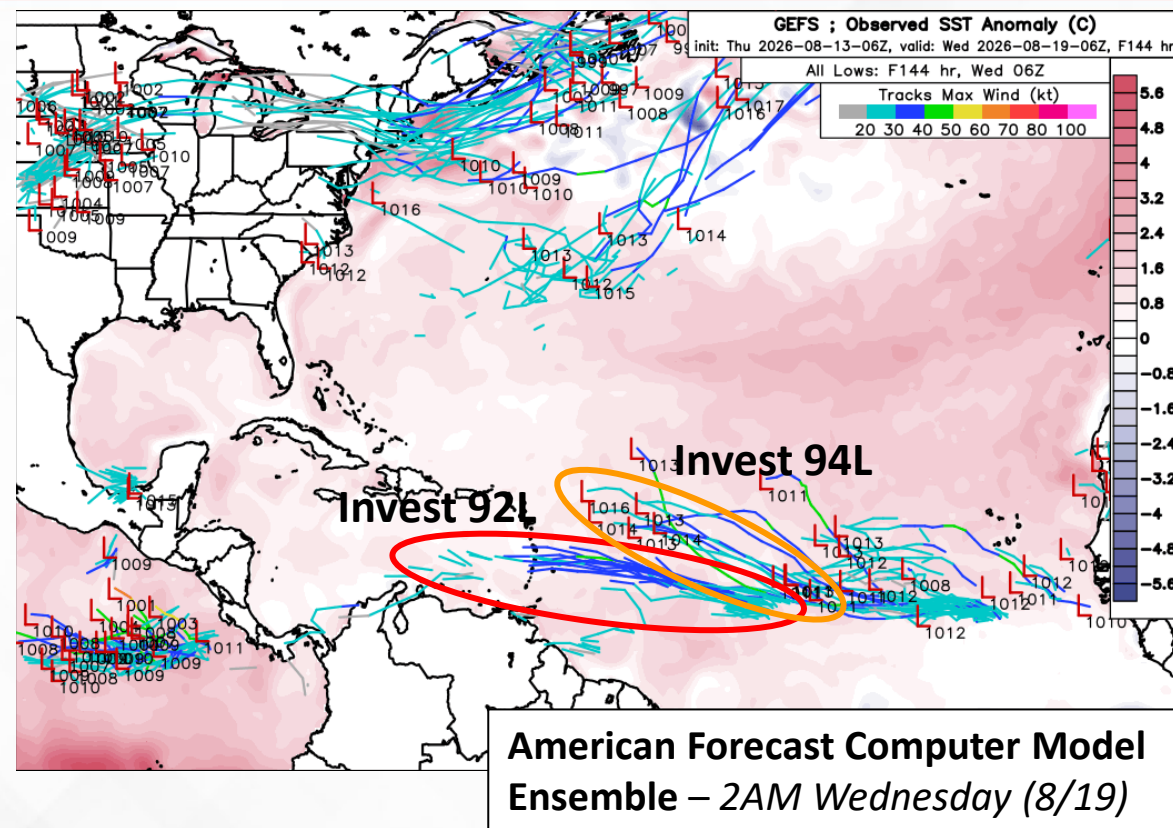
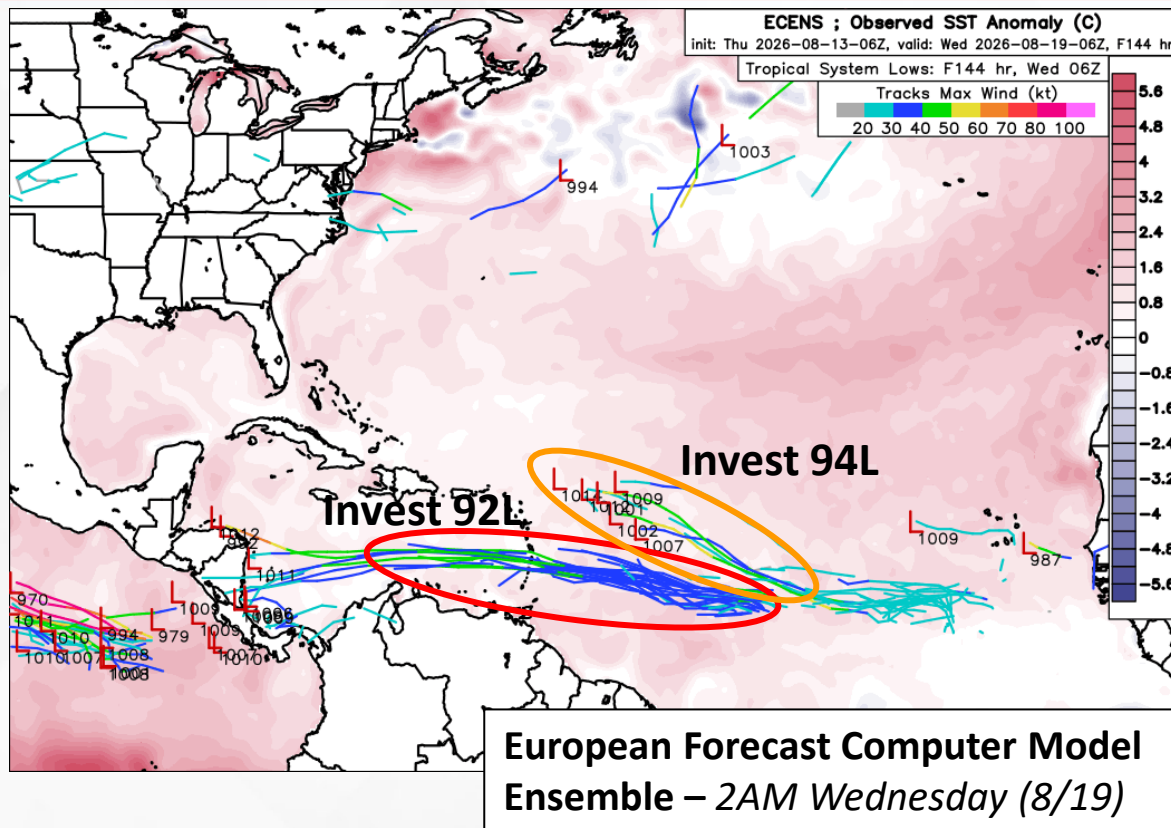


- A general westward motion of Invest 94L is expected in the next 48 hours. Computer models indicate 94L will turn towards the west-northwest to northwest by this weekend, eventually turning back towards the west by the beginning to middle portions of next week.
- Computer models are in fairly good agreement that very little organization or strengthening of Invest 94L is expected in the next 2-4 days as it travels across the central tropical Atlantic. Dry air and wind shear will likely limit any development of 94L; however, a few computer models indicate it could become a weak tropical depression or storm by the beginning to middle portions of next week as it approaches the Lesser Antilles.



Computer Model (Ensembles)

Invest 92L & Invest 94L - Next 5 to 7 Days

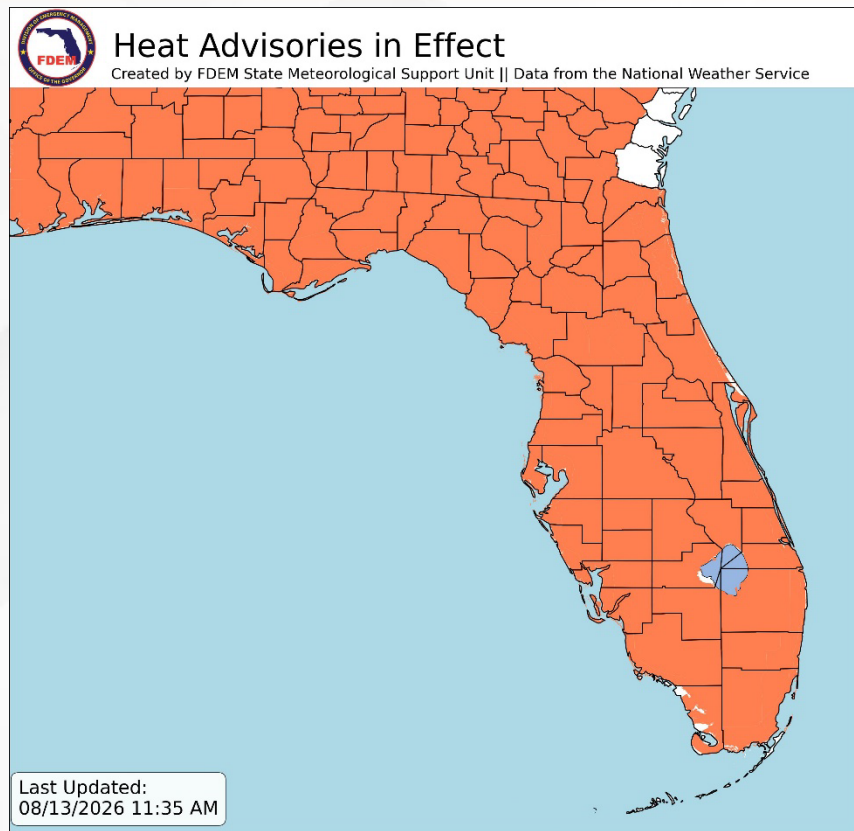


The GEFS and ECENS ensemble suites remain unenthused regarding any significant development of either Invest 92L or Invest 94L, with both suites only having a handful of members that develop formidable closed low-pressure systems. Of the members that do indicate development, all continue to show a southerly solution of Invest 92L that takes the system into the Western Caribbean. Nearly all members of each ensemble suite show 92L rapidly dissipating as it enters this area, courtesy of extremely high wind shear. For Invest 94L, members showing some development indicate a more northwesterly motion during the beginning of next week before a general turn back west by Wednesday. The GEFS members indicate rapid weakening of 94L as it enters a hostile environment of high wind shear. Some ECMWF members strengthen Invest 94L into a weak tropical system.

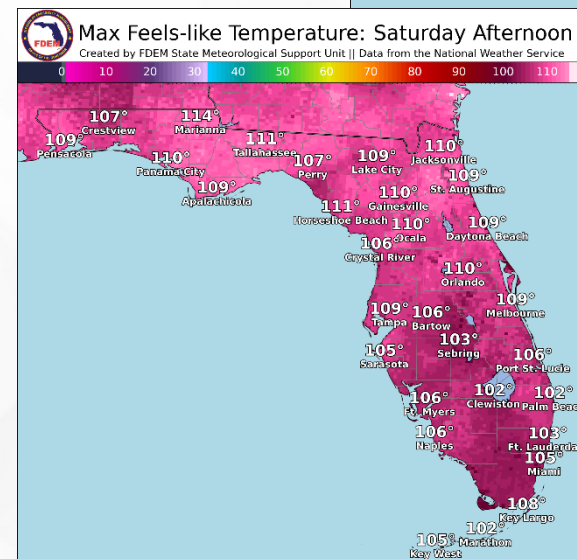
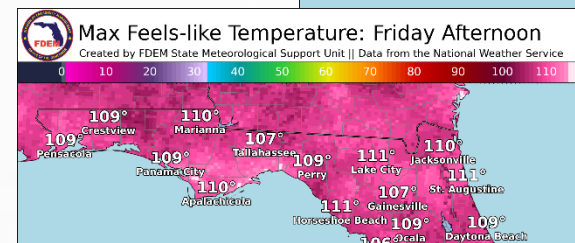
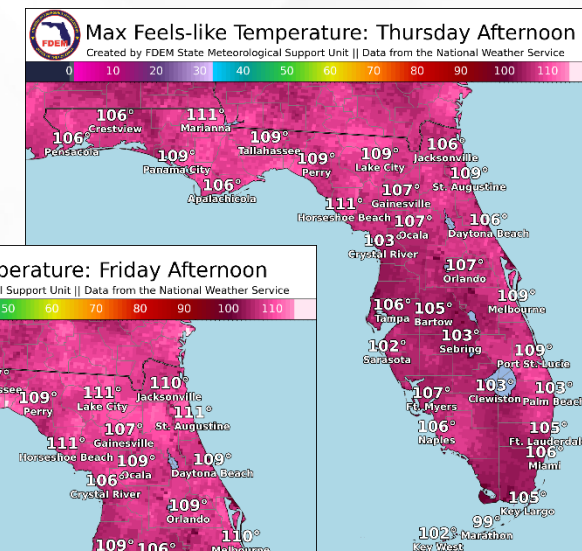


Prolonged Heat Wave Developing

From the National Weather Service (NWS)



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 and weekend. **Heat Advisories** ($\geq 108^{\circ}\text{F}$) are in effect today across the entire state. With no relief in site, additional **Heat Advisories** are likely to be needed for many throughout the rest of the week and into the weekend. An **Extreme Heat Watch** ($\geq 113^{\circ}\text{F}$) is also in effect for the Big Bend on Friday, and additional **Extreme Heat Watches** and **Warnings** are expected through the weekend, especially across North Florida.



FOUO – For Government Official Use Only



Summary

FOUO – For Government Official Use Only

Disturbance 1 – Central Tropical Atlantic (Invest 92L):

- Showers and thunderstorms are showing signs of organization in association with a tropical wave located about 1000 miles east of the Lesser Antilles.
- This system will likely become a short-lived tropical depression during the next day or two as it moves westward across the tropical Atlantic.
- However, by late Friday, the system is expected to move into a region of strong upper-level winds and dry air, which should end its opportunity to develop.
- This disturbance has an **80%** chance of development over the next 7-days.
- Computer model guidance remains in good agreement of a track solution that will bring the system westward into the Caribbean, where high vertical wind shear will likely lead to rapid weakening.
- ***This system poses no direct threat to Florida.***

Disturbance 2 – Eastern Tropical Atlantic (Invest 94L):

- A tropical wave located a few hundred miles south-southwest of the Cabo Verde Islands is producing disorganized showers and thunderstorms.
- Environmental conditions are forecast to be generally conducive for gradual development, and a tropical depression could form late this week or this weekend while the wave moves westward or west-northwestward across the eastern and central tropical Atlantic.
- This disturbance has a **50%** chance of development over the next 7-days.
- Computer model guidance remains unenthused of any significant development of this system. A weak tropical depression or storm could develop over the central tropical Atlantic, however dry air and high vertical wind shear are expected to inhibit much tropical development at this time.
- ***It is too far out to determine what, if any, threats to Florida this system may pose. Continue to monitor the latest forecasts from the [NHC](#).***

Florida Outlook:

- Oppressive heat/humidity will be the main weather story this week across Florida as high pressure continues to dominate.
- Heat indexes will soar into the **middle to upper 100s** each day to end this week and heading into the weekend; **Heat Advisories (>=108F)** are in effect statewide today and will likely be needed through the weekend.
- By Friday, widespread areas across North Florida may reach or exceed **110-degrees** heat index values; An **Extreme Heat Watch** is in effect for the Big Bend on Friday and additional **Extreme Heat Watches/Warnings** are expected throughout the weekend.
- 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.
- Chances of rain will generally remain near to below normal across much of the state over the next three days as drier mid-level air lingers (15-40% chance of rain). Rain chances will begin to increase across North Florida on Friday, with scattered to locally numerous afternoon showers and storms by Saturday (50-75% chance of rain).
- A **Marginal Risk (level 1 of 4) for Flash Flooding** is outlooked across the Panhandle, Big Bend, and Northeast Florida on Saturday for localized **flooding and ponding of water** under the heaviest thunderstorm activity.

The next name on the list is **Dolly** (DAH-lee).

The next scheduled briefing packet will be issued on **Friday**. For the latest information, please visit the **National Hurricane Center website**.



Tropical Update

FOUO – For Government Official Use Only



Created by:

Evan Newman, Assistant State Meteorologist

Evan.Newman@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

Users wishing to subscribe (approval pending) to this distribution list, register at:

https://public.govdelivery.com/accounts/FLDEM/subscriber/new?topic_id=SERT_Met_Tropics.

Other reports available for subscription are available at:

<https://public.govdelivery.com/accounts/FLDEM/subscriber/new?preferences=true>