



TROPICAL UPDATE



11:00 AM EDT

Tuesday, August 18, 2020

Invest 97L – In Eastern Caribbean (60%)

Invest 98L – In Central Atlantic (90%)

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.

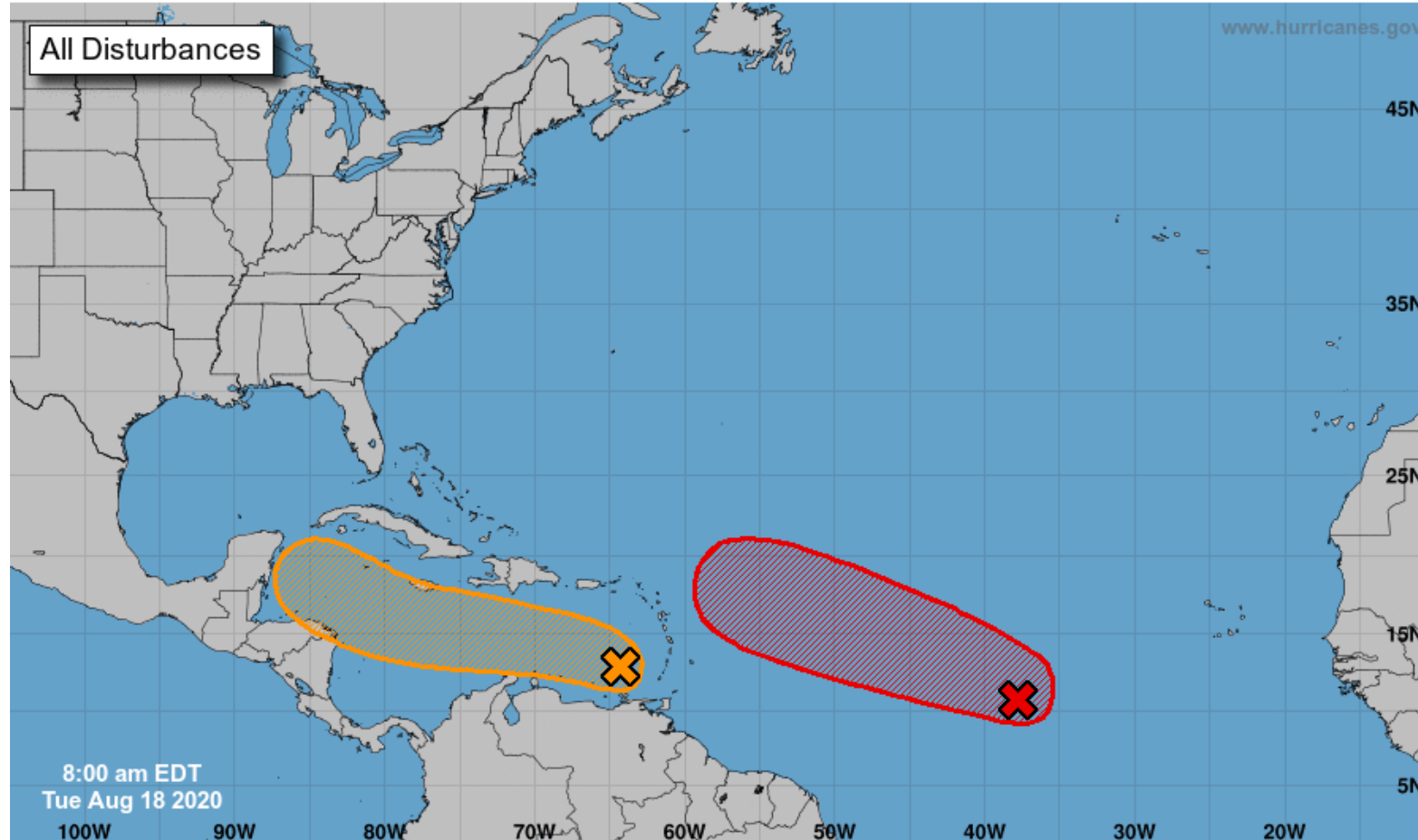


Tropical Weather Outlook

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%

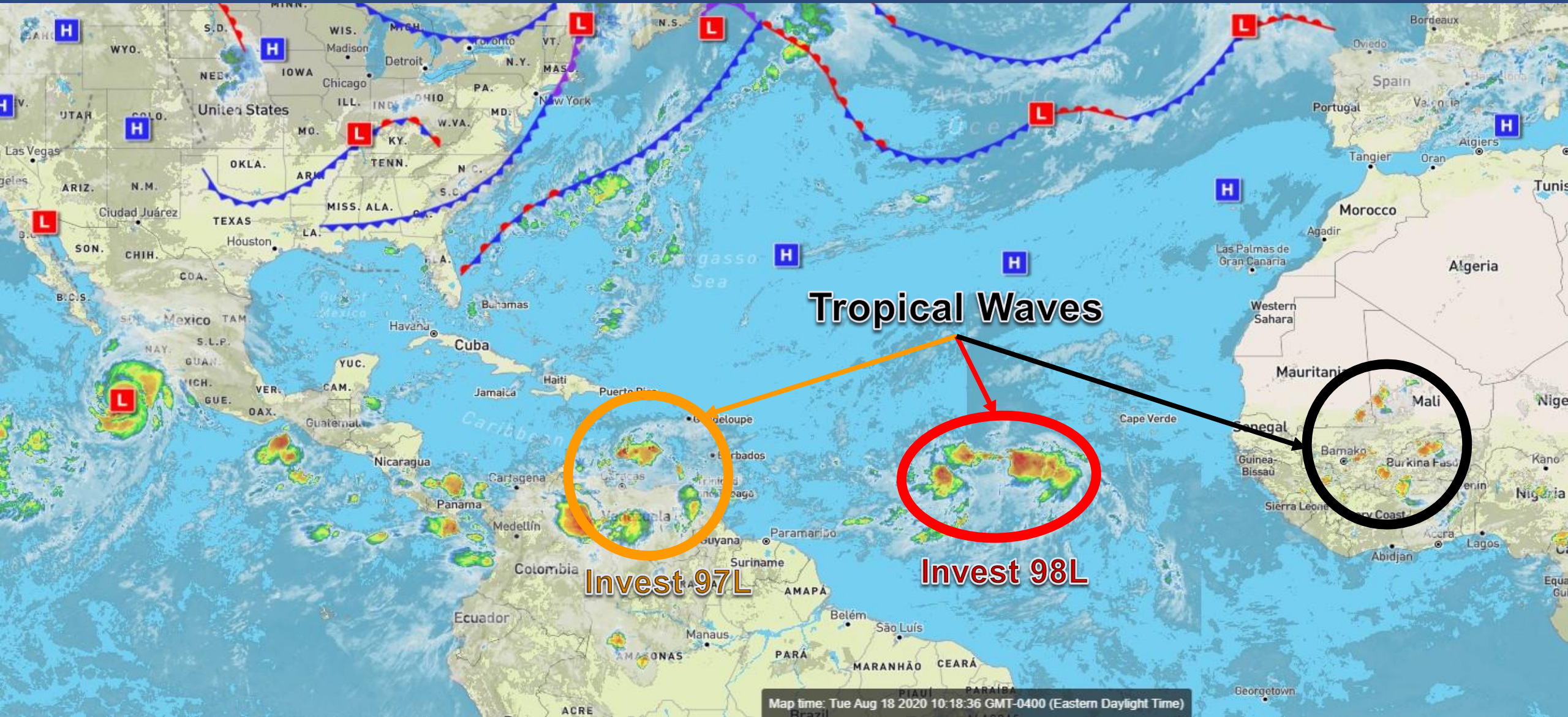
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants



Atlantic Basin Satellite Image

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





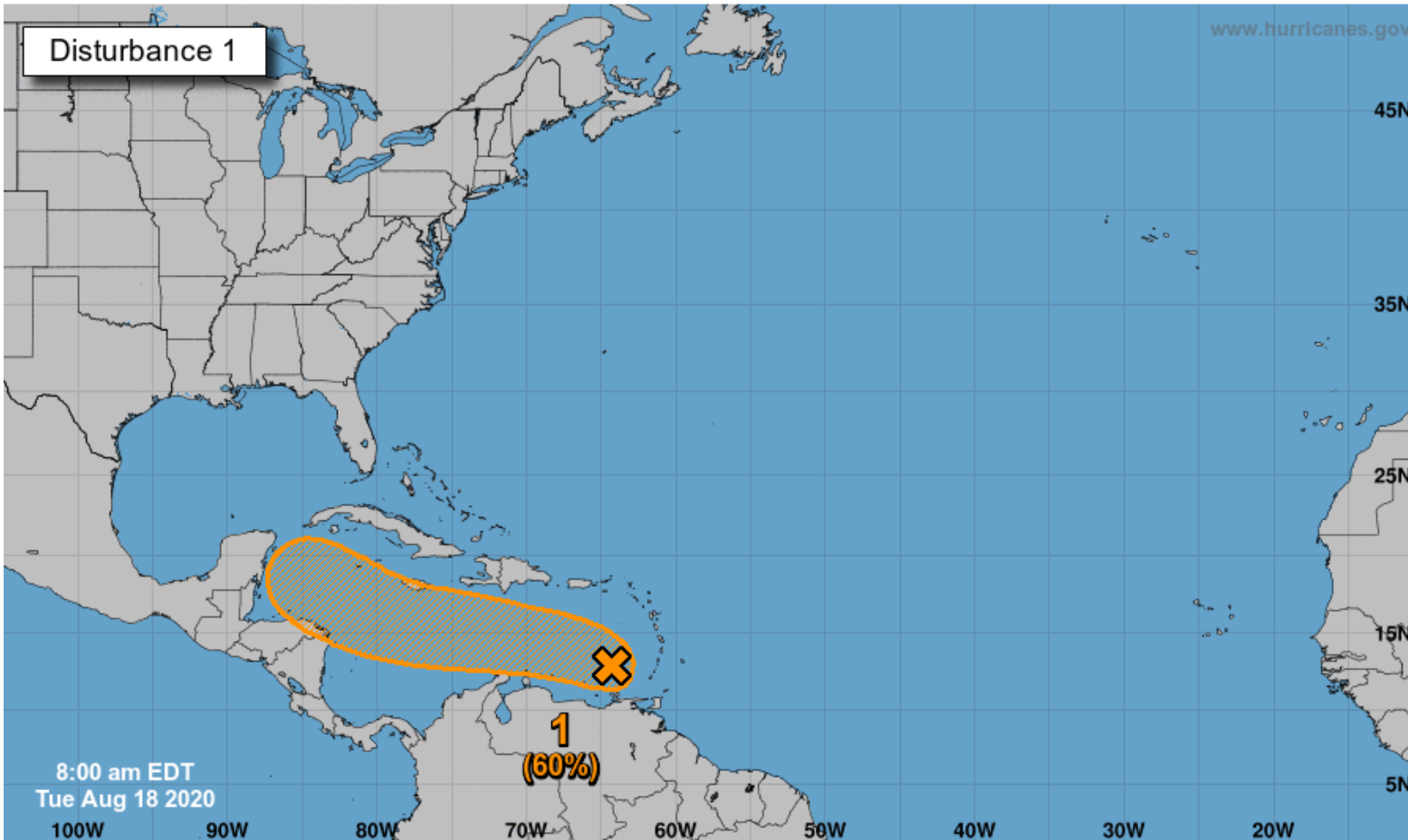
Tropical Weather Outlook

Possible Area of Development During the Next 5 Days ([LINK](#)) – Invest 97L



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Current Disturbances and Five-Day Cyclone Formation Chance:
 Tropical or Sub-Tropical Cyclone: ○ Depression ⚡ Storm 🌀 Hurricane
 ⚡ Post-Tropical Cyclone or Remnants

A tropical wave over the eastern Caribbean Sea is producing an area of disorganized thunderstorms and gusty winds.

Significant development of this system is unlikely during the next couple of days while it moves quickly westward at about 20 mph across the eastern and central Caribbean Sea.

After that time, however, the wave is forecast to move more slowly westward, and a tropical depression could form late this week or this weekend when it reaches the northwestern Caribbean Sea.

This system should be monitored closely this week.

The next names on the list are Laura and Marco.

***Formation chance through 48 hrs...low...20%**

***Formation chance through 5 days...medium...60%**

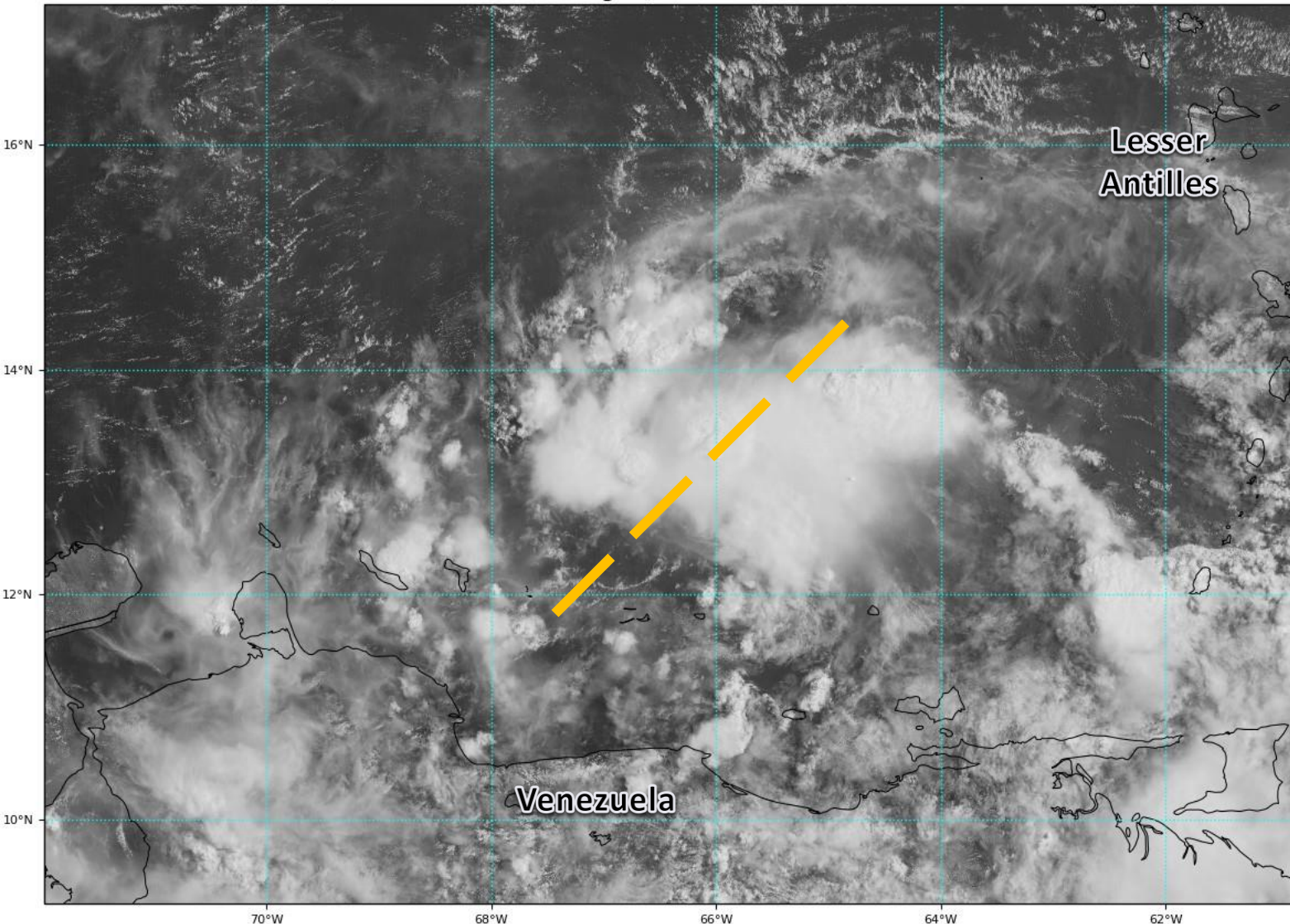


Satellite Imagery

Eastern Caribbean – Invest 97L

GOES-16 Channel 2 (visible) Reflectance at 14:05Z Aug 18, 2020

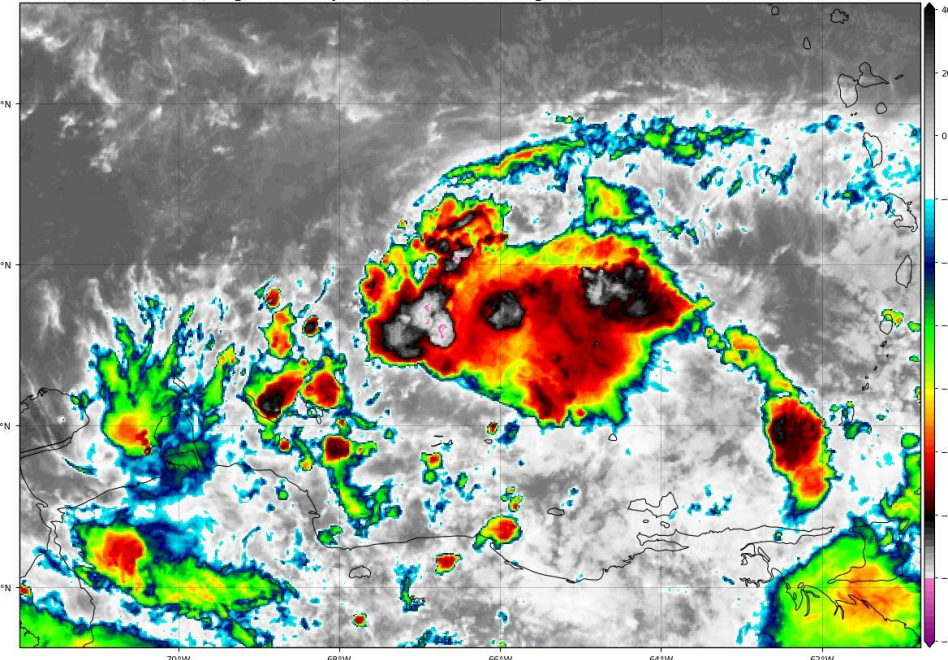
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The tropical wave is producing a small area of showers and thunderstorms in the southeastern Caribbean Sea as it quickly moves west. Some dry air is located to the north but the environment will support gradual development once it moves further west.

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 14:05Z Aug 18, 2020

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Tropical Weather Outlook

Possible Area of Development During the Next 5 Days ([LINK](#)) – Invest 98L



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

Disturbance 2

2
(90%)



8:00 am EDT
Tue Aug 18 2020

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

A broad area of low pressure located about 900 miles west-southwest of the Cabo Verde Islands is producing a concentrated area of showers and thunderstorms.

Environmental conditions are conducive for further development, and a tropical depression is likely to form within the next couple of days while the system moves westward to west-northwestward at 15 to 20 mph across the central and western portions of the tropical Atlantic.

This system should be monitored closely this weekend and into early next week.

The next names on the list are Laura and Marco.

***Formation chance through 48 hrs...high...70%**

***Formation chance through 5 days...high...90%**

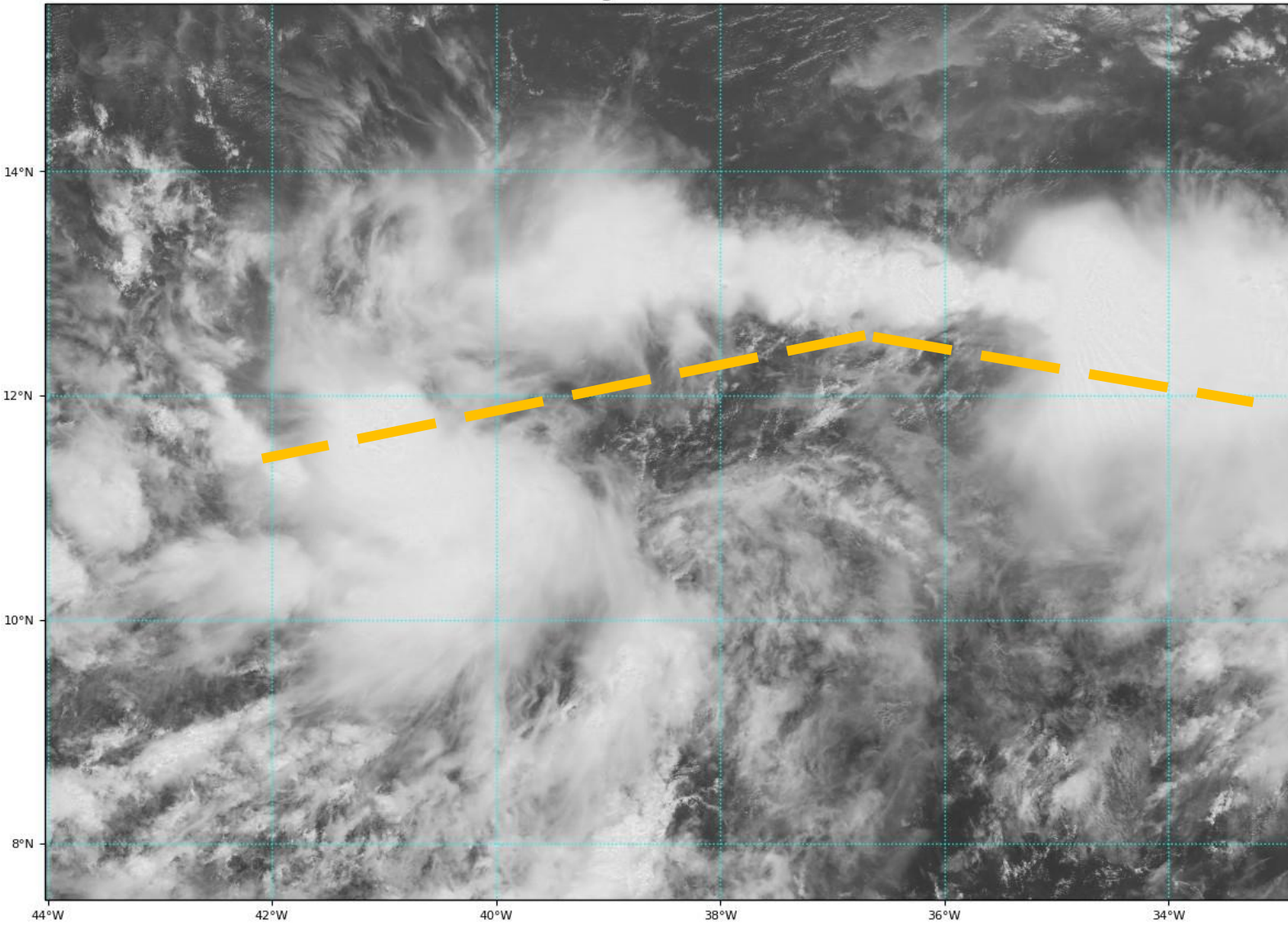


Satellite Imagery

Central Atlantic – Invest 98L

GOES-16 Channel 2 (visible) Reflectance at 14:15Z Aug 18, 2020

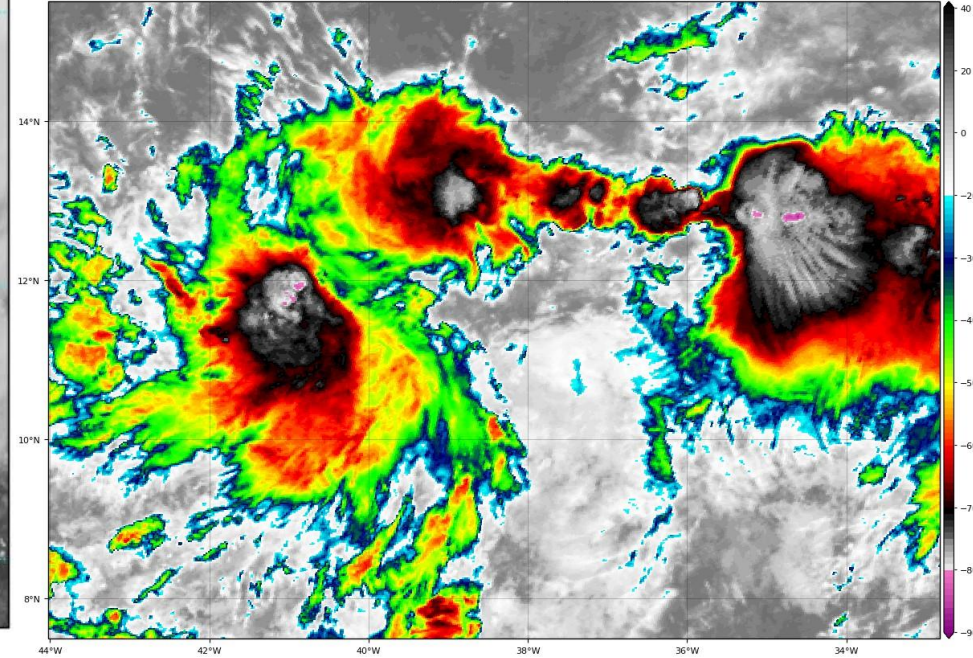
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Invest 98L is disorganized at the moment, with an elongated area of low pressure and thunderstorms spread out over a large area. It will gradually consolidate over the next couple of days as it moves northwest.

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 14:15Z Aug 18, 2020

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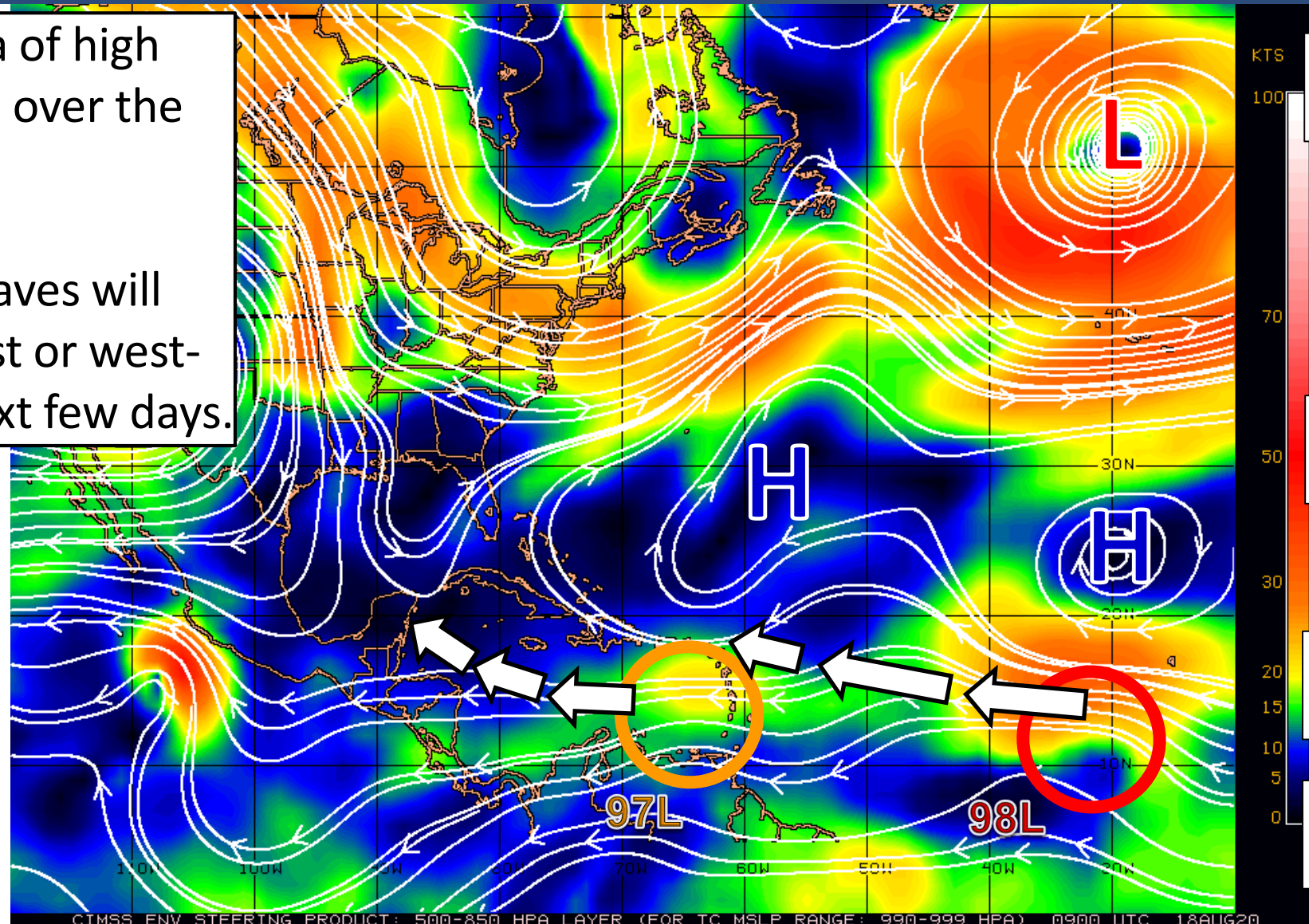
Steering Currents

What is moving the systems?

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

A large, strong area of high pressure is centered over the Atlantic.

The two tropical waves will continue moving west or west-northwest over the next few days.



Fast Moving Storm

Fast Moving Storm

Typical Moving Storm

Slow Moving Storm



Model Forecast Tracks

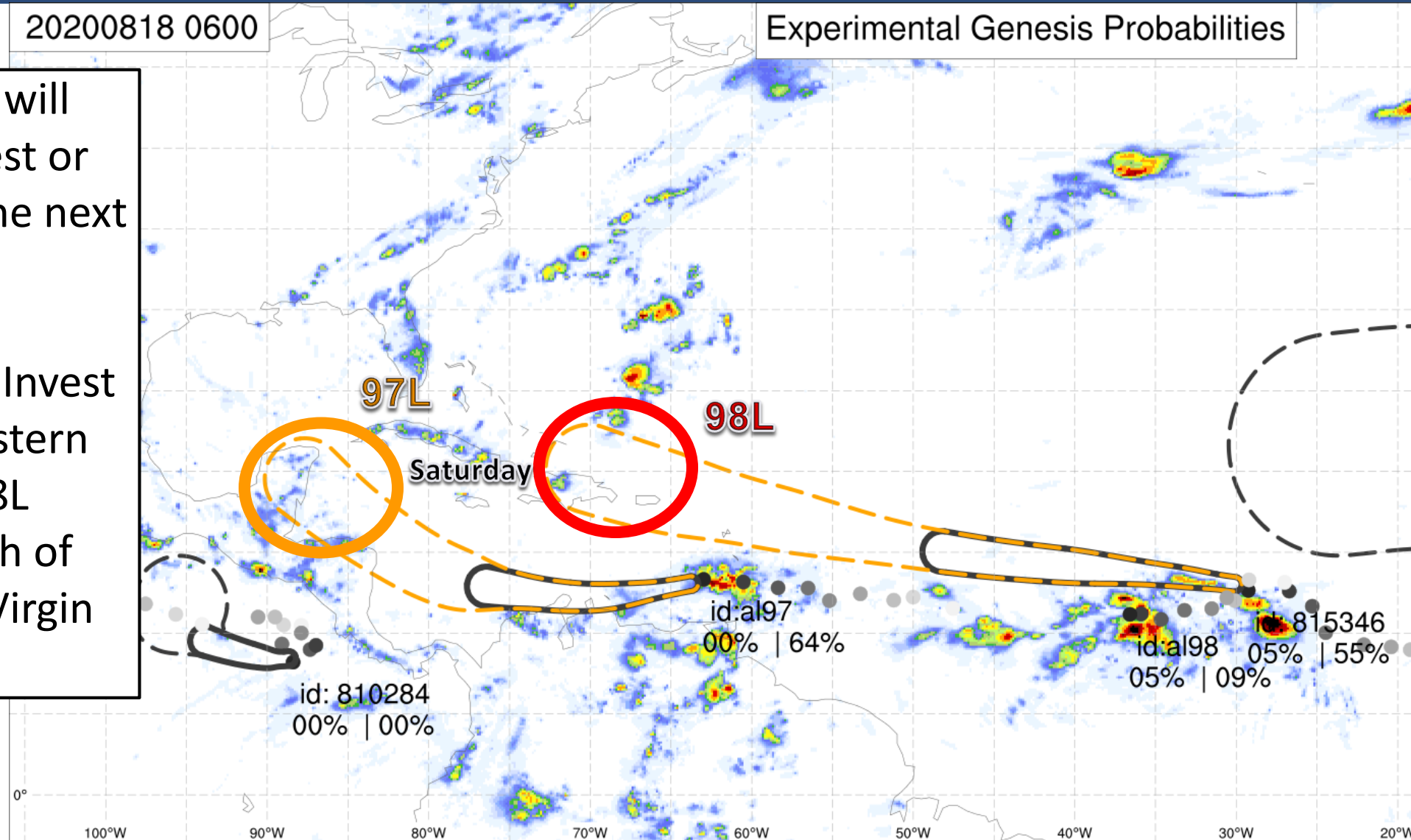
Ensembles Models

20200818 0600

Experimental Genesis Probabilities

Both tropical waves will continue to move west or west-northwest over the next 5 days.

On Saturday morning, Invest 97L will be in the western Caribbean with 98L approaching or north of Puerto Rico and the Virgin Islands.



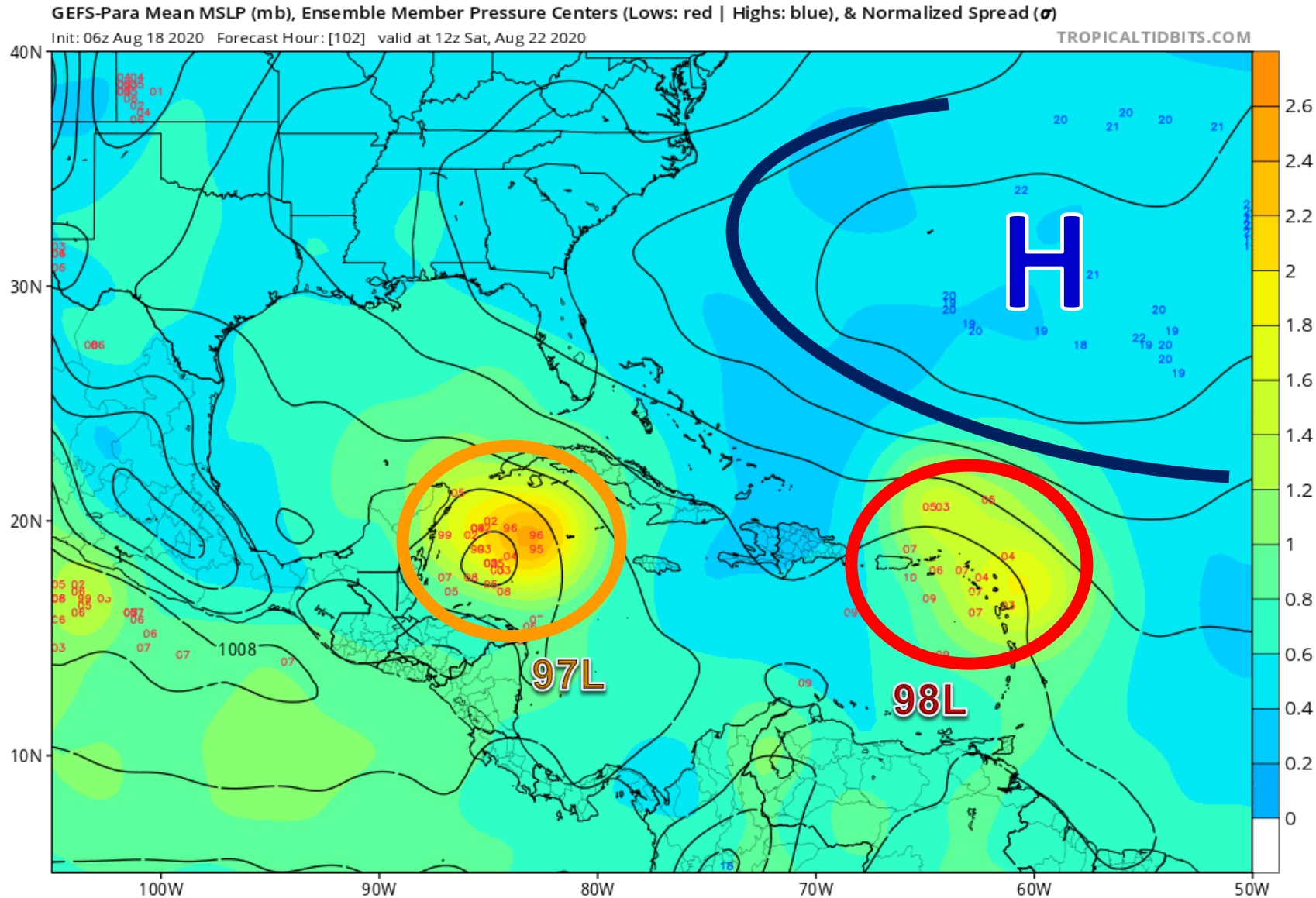


Model Forecast Tracks

Ensembles Models

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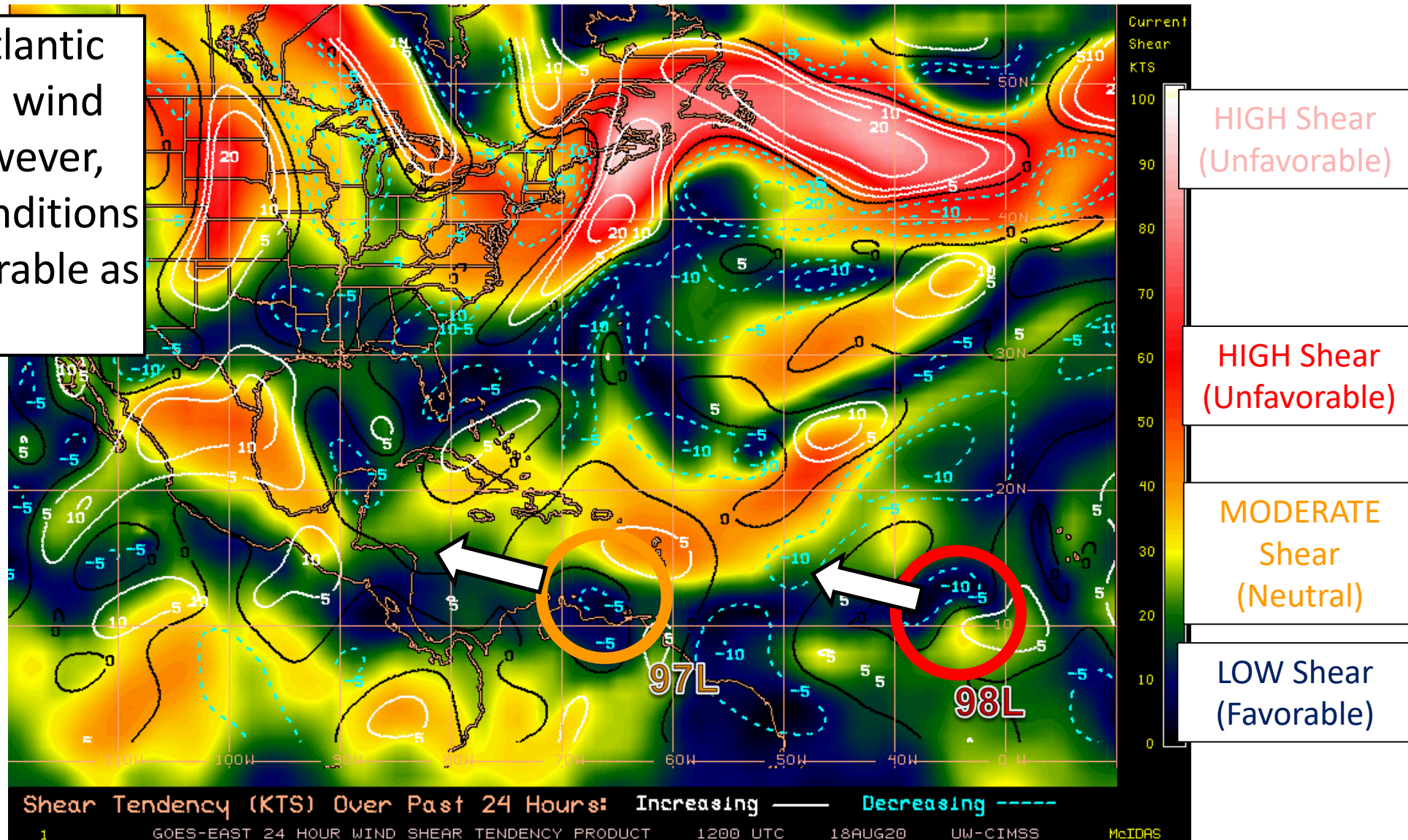


Wind Shear

Is the environment favorable for the systems?

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).

Across the tropical Atlantic and Caribbean, some wind shear is ongoing. However, particularly for 97L, conditions will become more favorable as they track west.

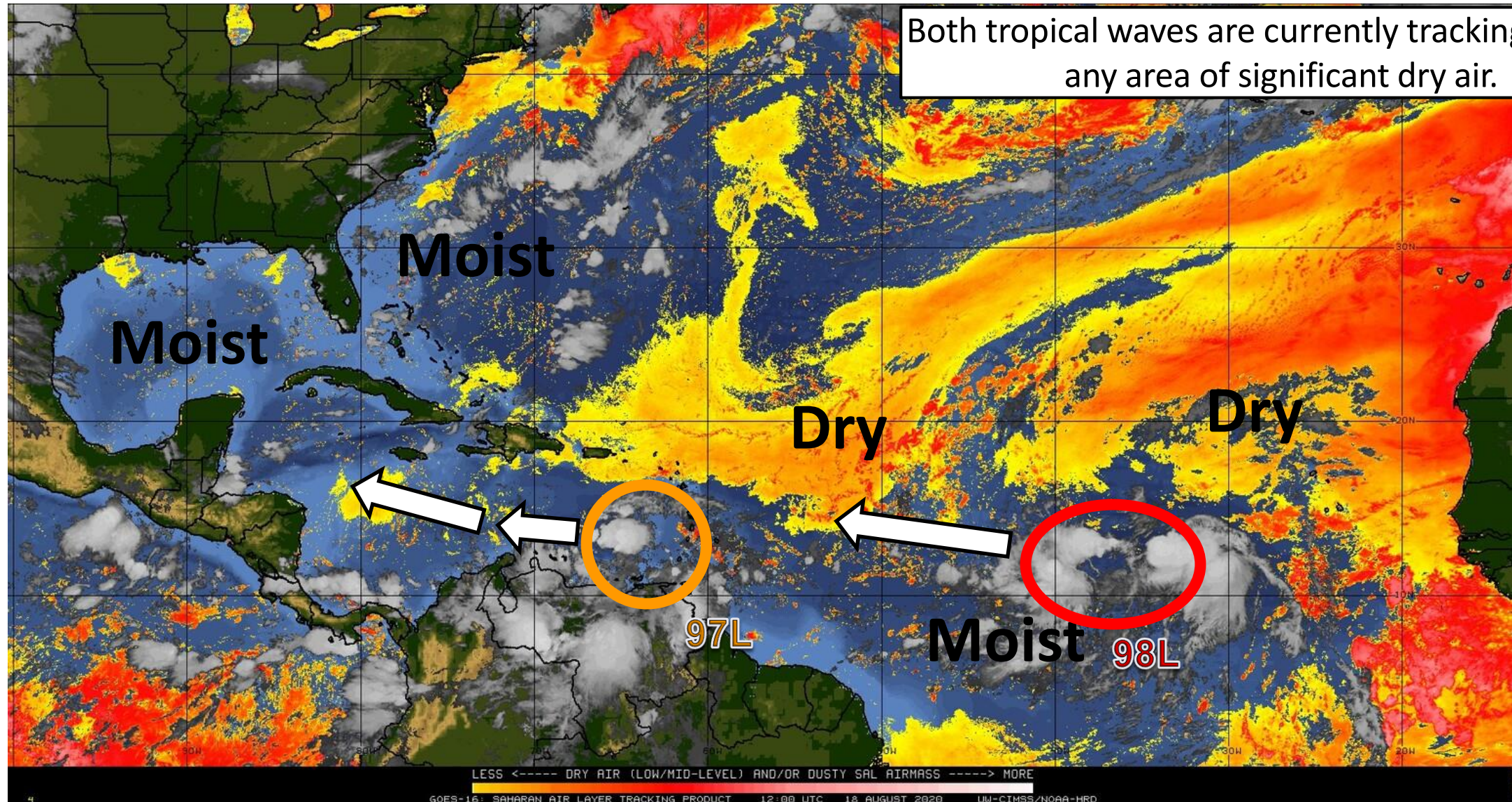




Dry Air & Saharan Dust

Is the environment favorable for the systems?

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





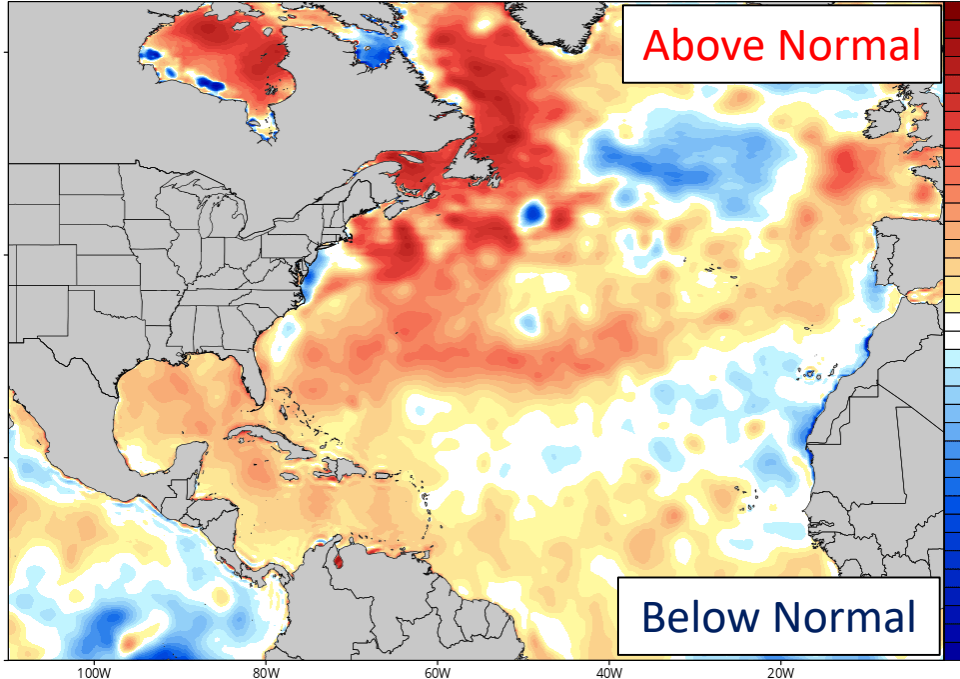
Sea Surface Temperatures & Anomalies

Is the ocean favorable for the systems?

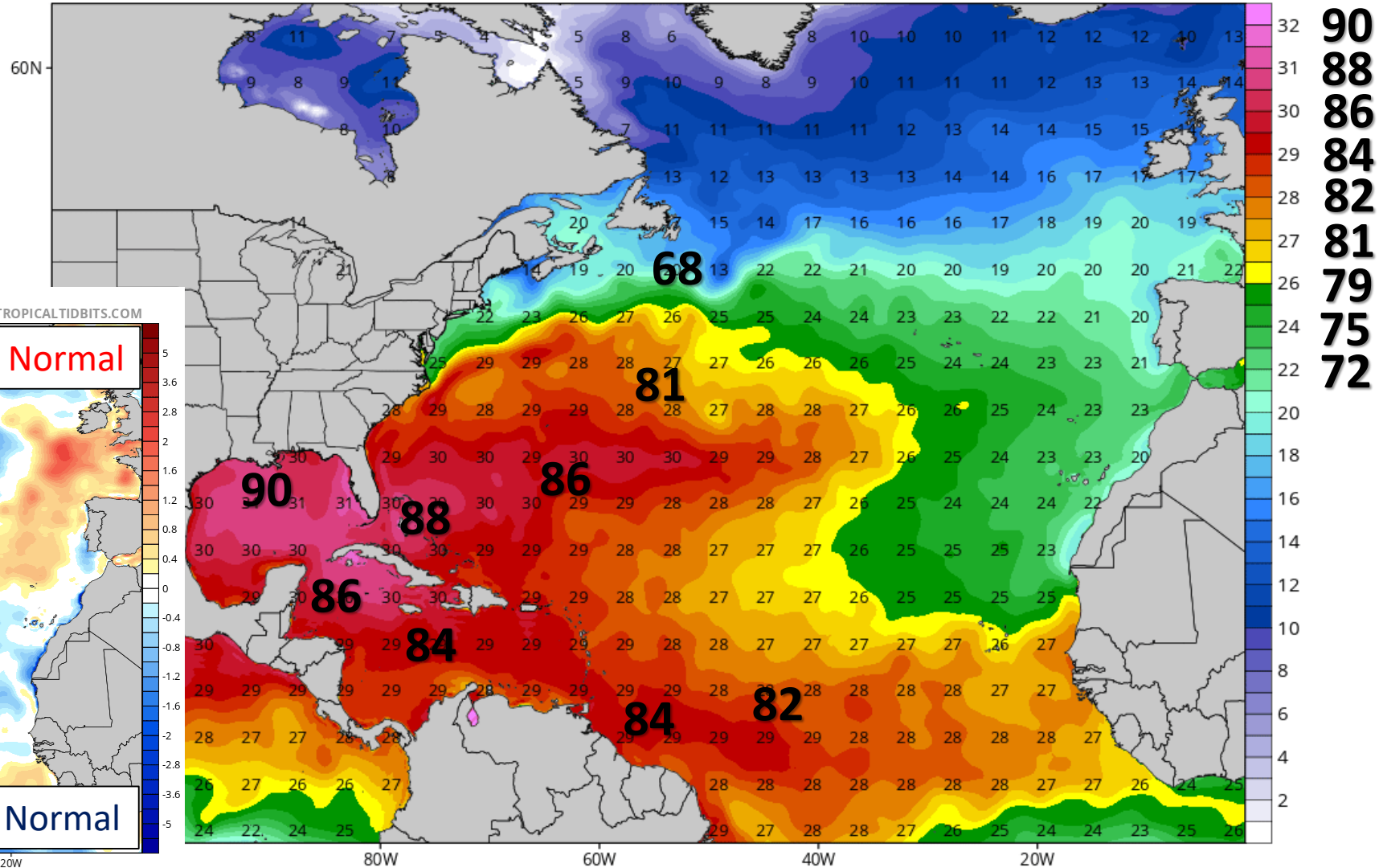
Water temperatures will warm the further west the tropical waves move.

Water temperatures are above normal across much of the Atlantic, Caribbean, and Gulf of Mexico, supporting tropical development.

CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)
Analysis Time: 06z Aug 18 2020



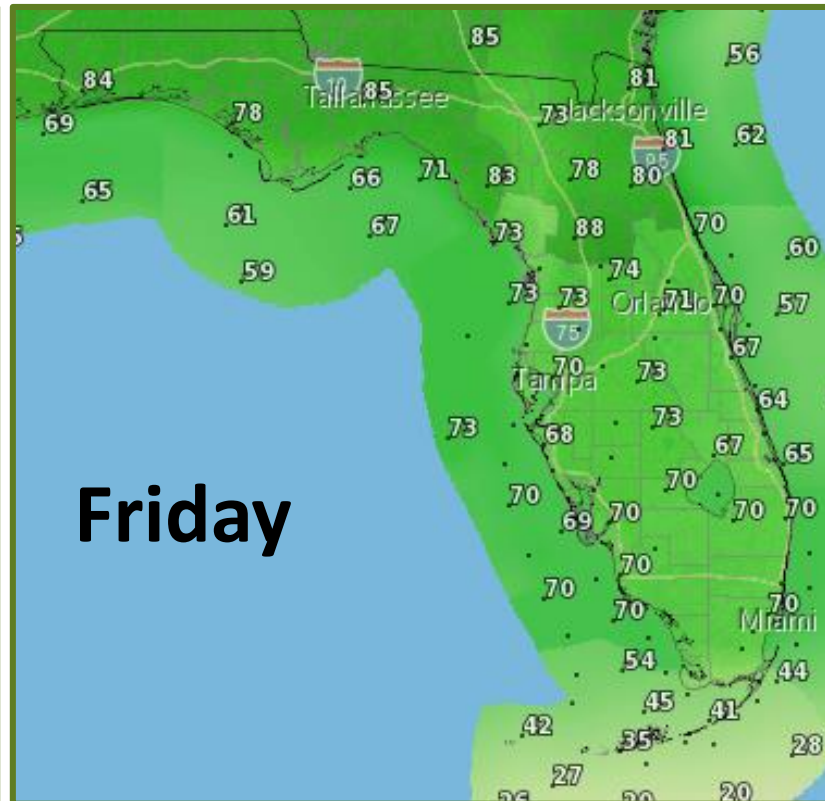
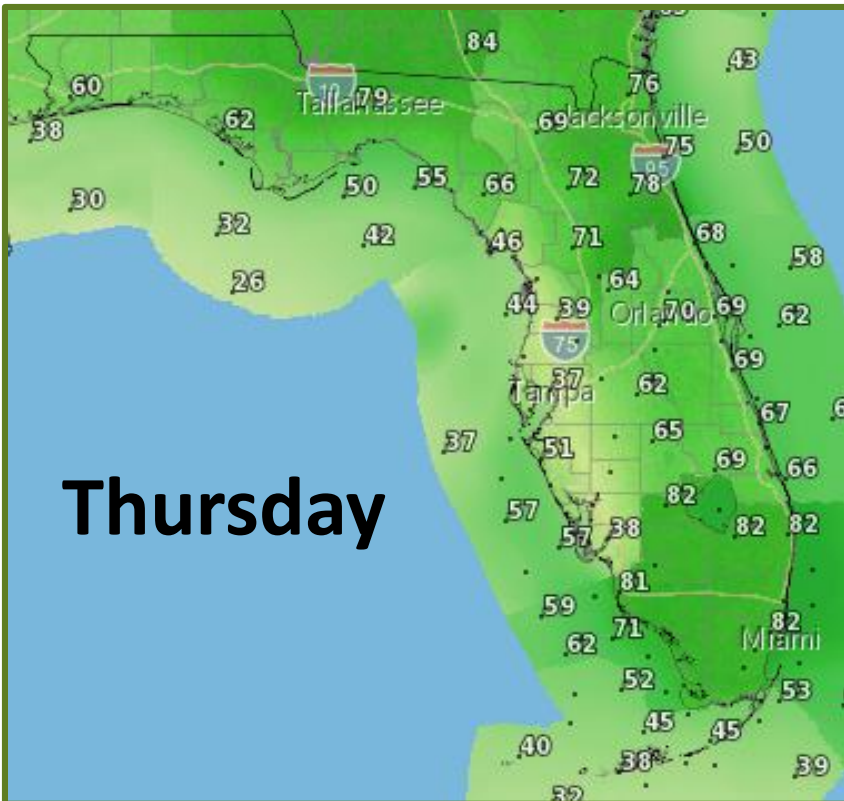
CDAS Sea Surface Temperature (°C)
Analysis Time: 06z Aug 18 2020





Rain Chances Next 3 Days

****Unrelated to the Tropics****



High rain chances statewide! Multiple rounds of storms throughout the day and continuing into the overnight, especially along the Gulf Coast.

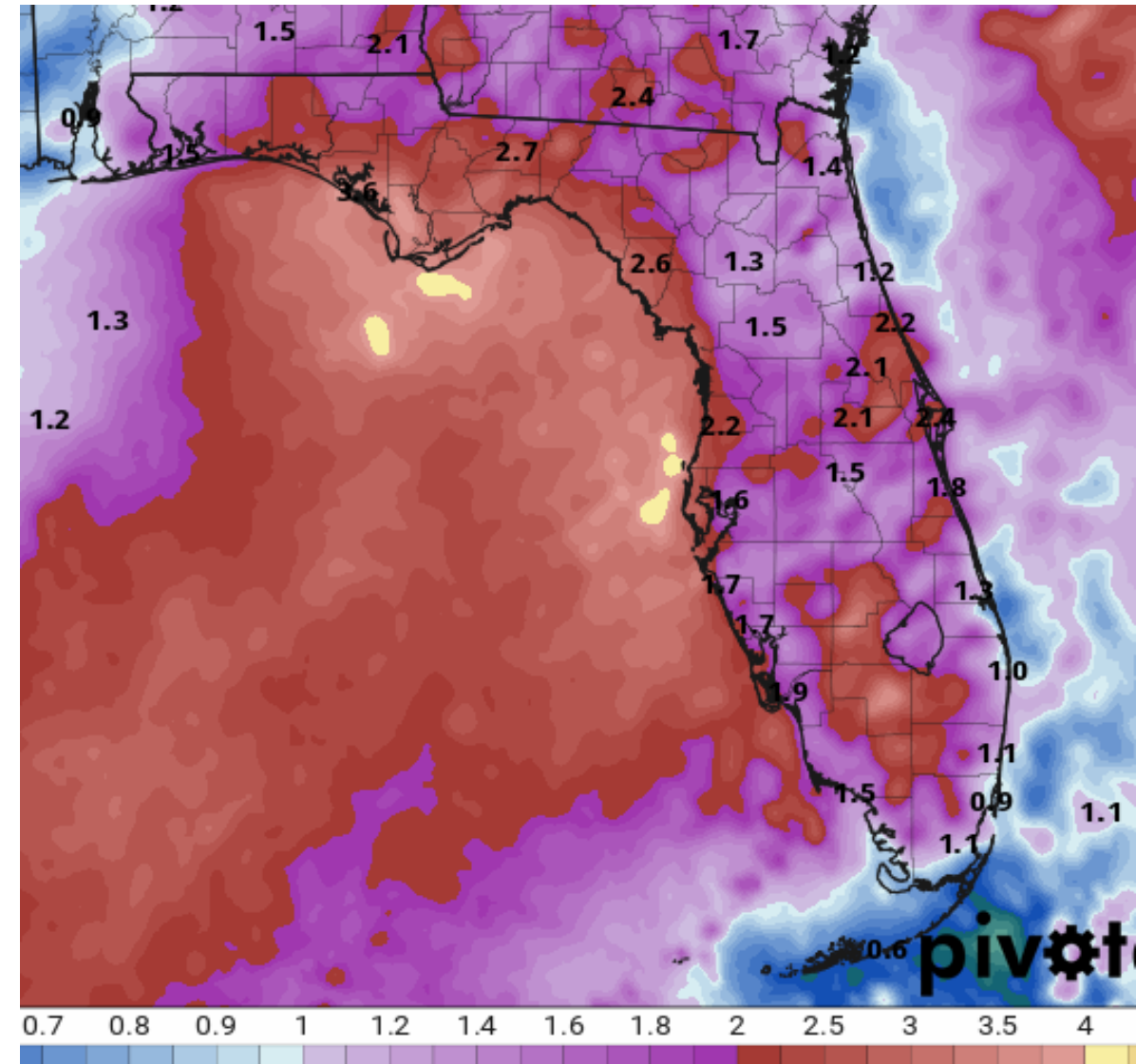


Rainfall Totals Next 5 Days

Unrelated to the Tropics

**Isolated flood threat along
West Coast**

**Widespread 3-4"
Locally 6"+**





Overall Summary

Invest 97L - Tropical Wave in the Eastern Caribbean

- Shower and thunderstorm activity continues with a fast moving tropical in the southeastern Caribbean Sea.
- This tropical wave will move west into the western Caribbean later this week and weekend (Friday-Saturday) where the environment will become favorable for gradual development.
- The National Hurricane Center gives the system a 20% (low) chance of development over the next 48 hours, but a 60% (medium) chance over the next 5 days.

Invest 98L - Tropical Wave in the Central Atlantic

- A large tropical wave is located in the Central Atlantic about halfway between the Caribbean Sea and the coast of Africa.
- The tropical wave is currently elongated and disorganized, but is moving to the west and northwest into a more favorable environment.
- The system will near the northeastern Caribbean later this week and weekend (Friday-Saturday).
- The National Hurricane Center gives the system a 70% (high) chance of development over the next 48 hours, but a 90% (high) chance over the next 5 days.

Florida Outlook:

- While both tropical waves do not pose an immediate threat to the state, **both should be monitored this week**. The systems will continue to the west and west-northwest over the next few days.
- The next names on the list are Laura and Marco.
- Unrelated to the tropical systems, a stalled cold front will bring high rain chances to the state this week, with widespread rainfall totals of 2-4" over the next 5 days. A localized flash flood and severe weather threat exists each afternoon.

The next briefing packet will be issued Wednesday morning. For the latest information on the tropics, 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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