



TROPICAL UPDATE



11:00 AM EDT

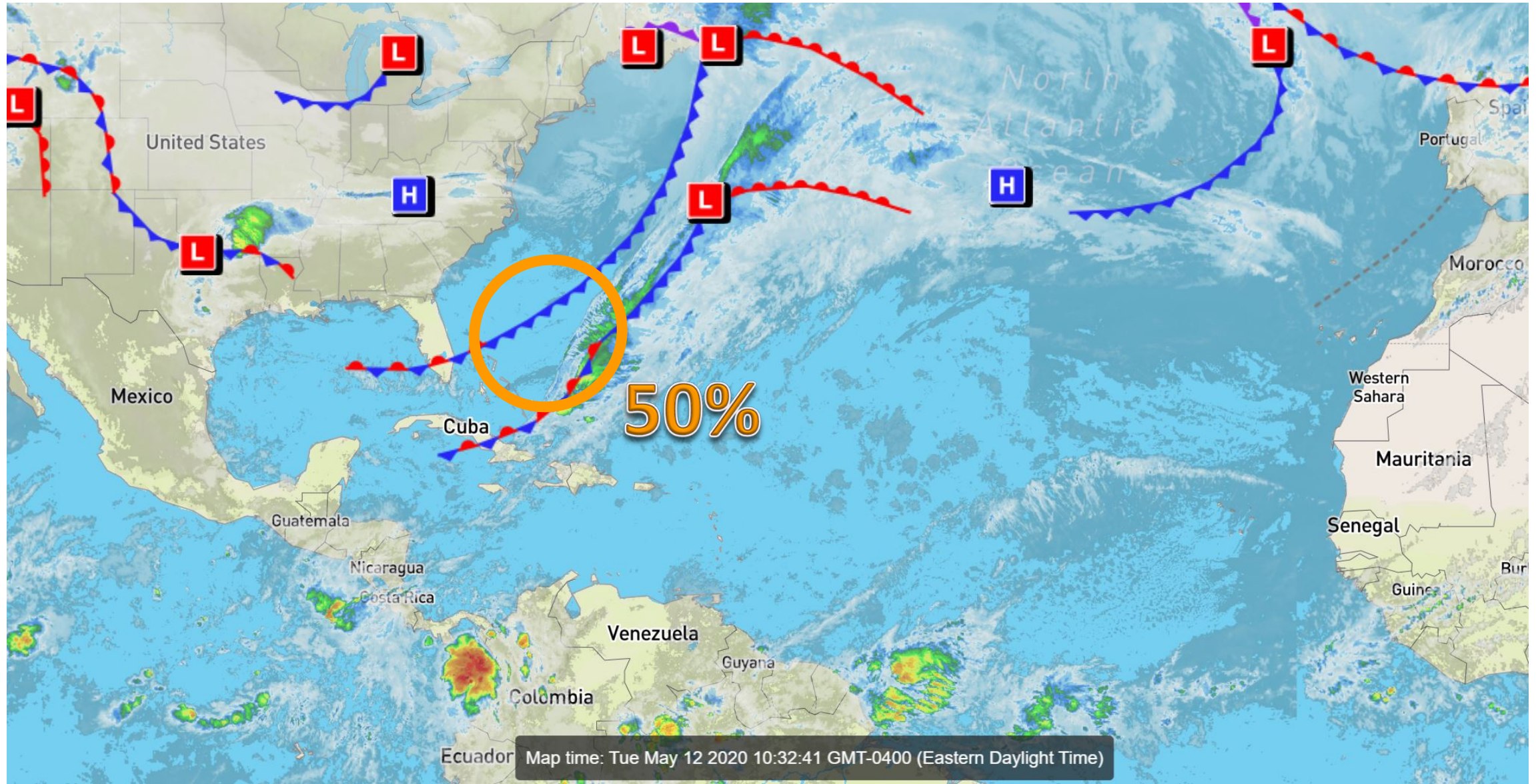
Tuesday, May 12, 2020

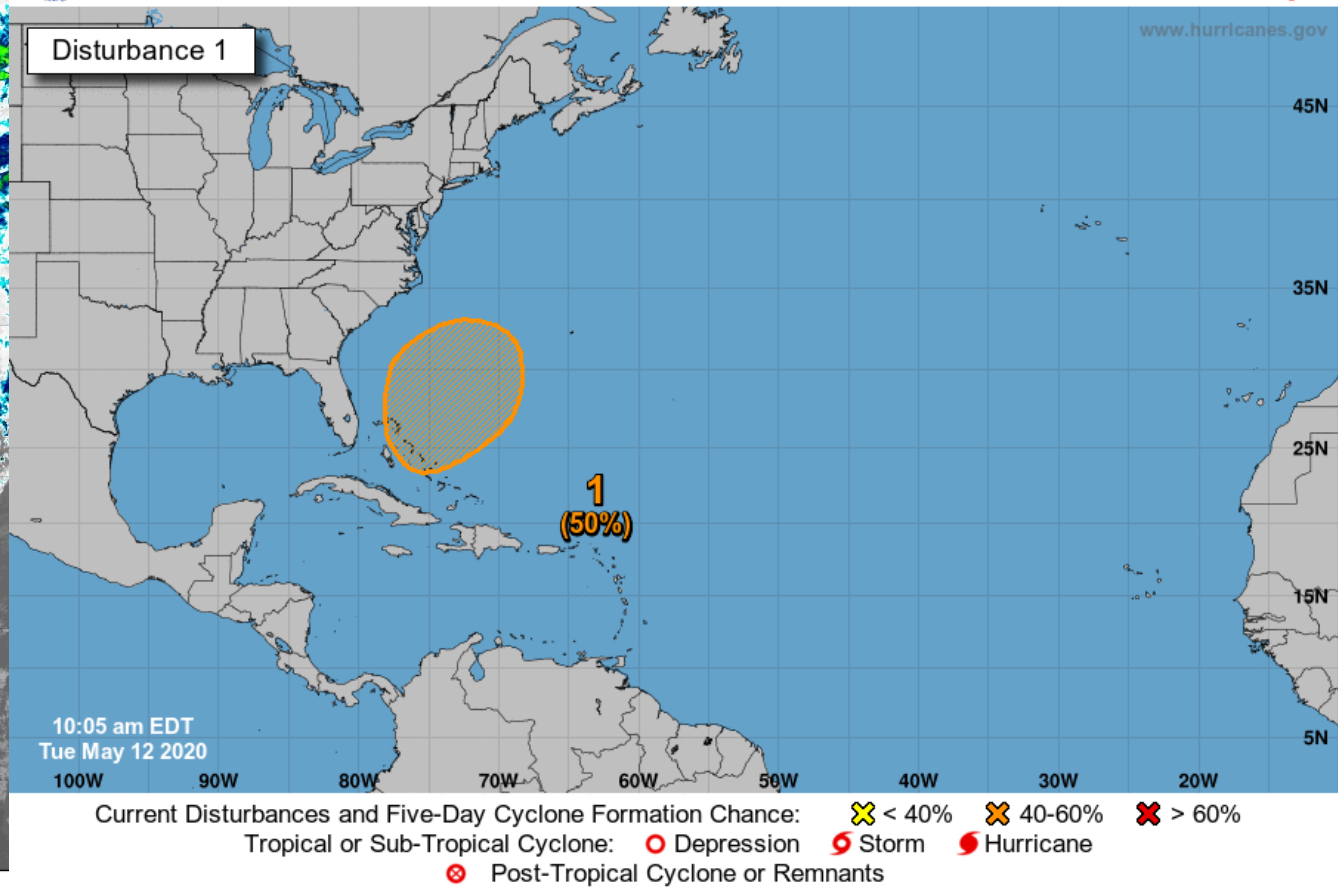
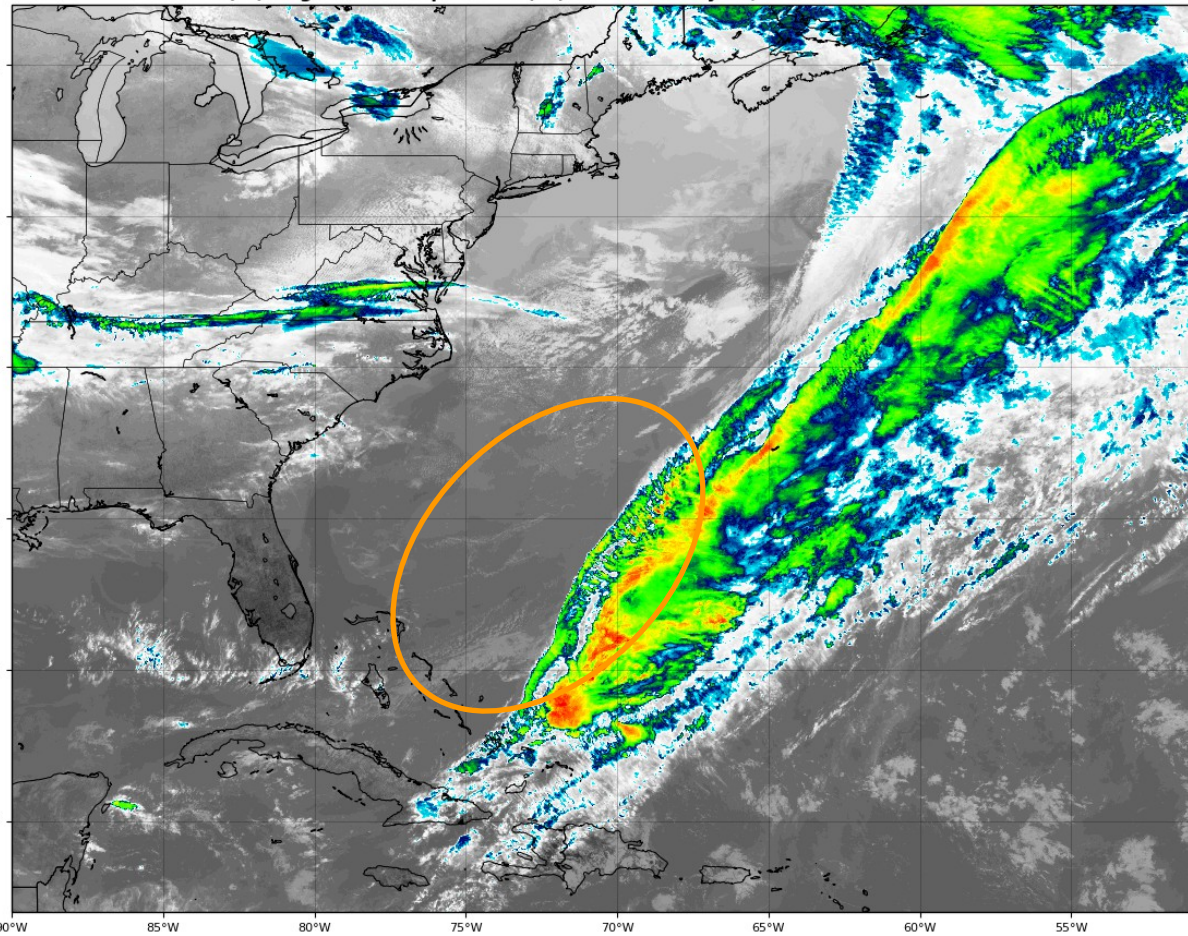
Bahama Low (50%)

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





Bahama Low: An area of low pressure is expected to develop this weekend a couple hundred miles northeast of the Bahamas. Environmental conditions appear conducive for this system to acquire some subtropical characteristics as it moves northeastward through Sunday. The next Special Tropical Weather Outlook on this system will be issued by 9 PM EDT Tuesday, or earlier, if necessary.

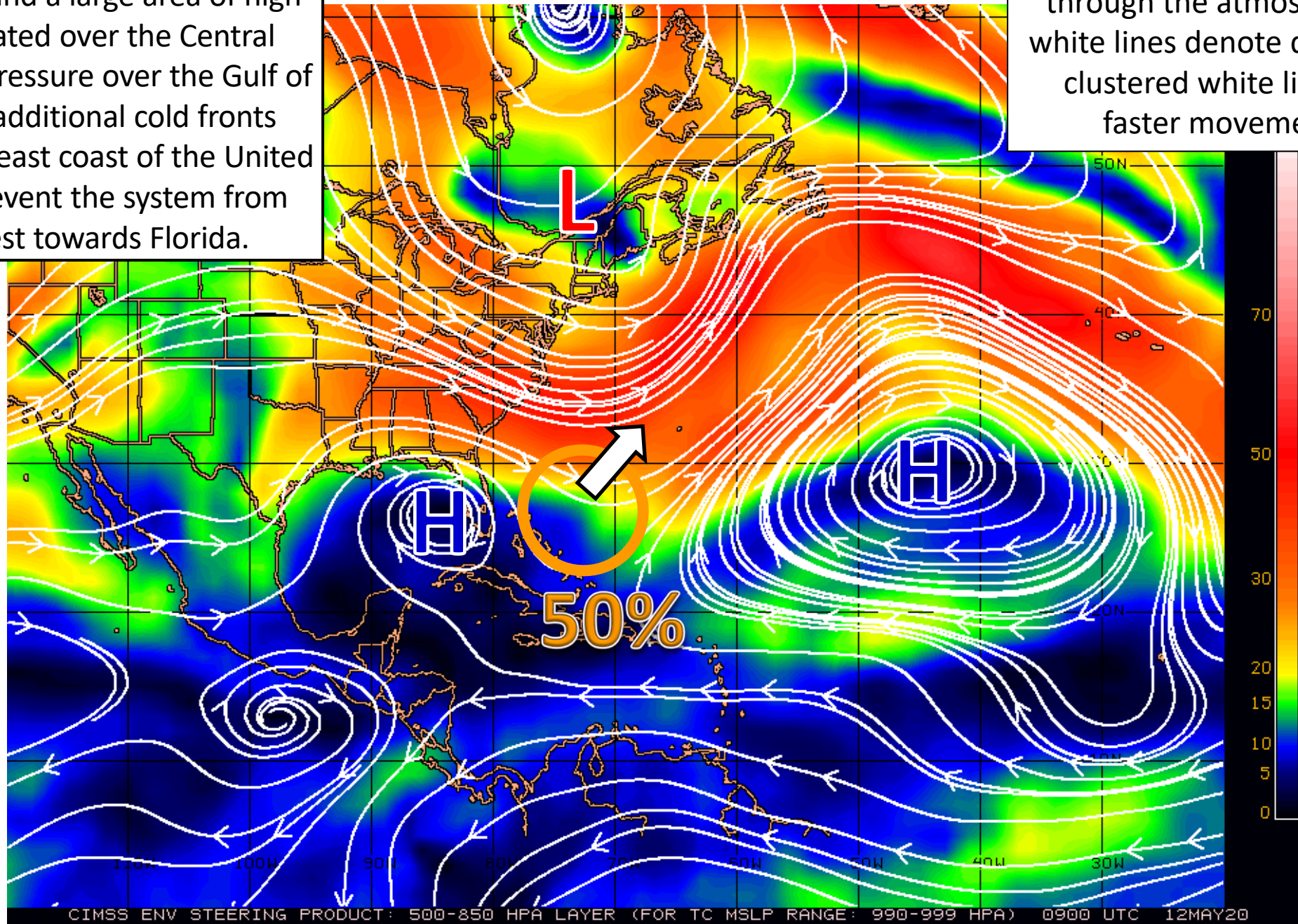
*Formation chance through 48 hours...low...0 percent.

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

Steering Currents

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

The Bahama low will likely move northeast around a large area of high pressure located over the Central Atlantic. High pressure over the Gulf of Mexico and additional cold fronts moving off the east coast of the United States will prevent the system from moving west towards Florida.



Fast Moving Storm

Fast Moving Storm

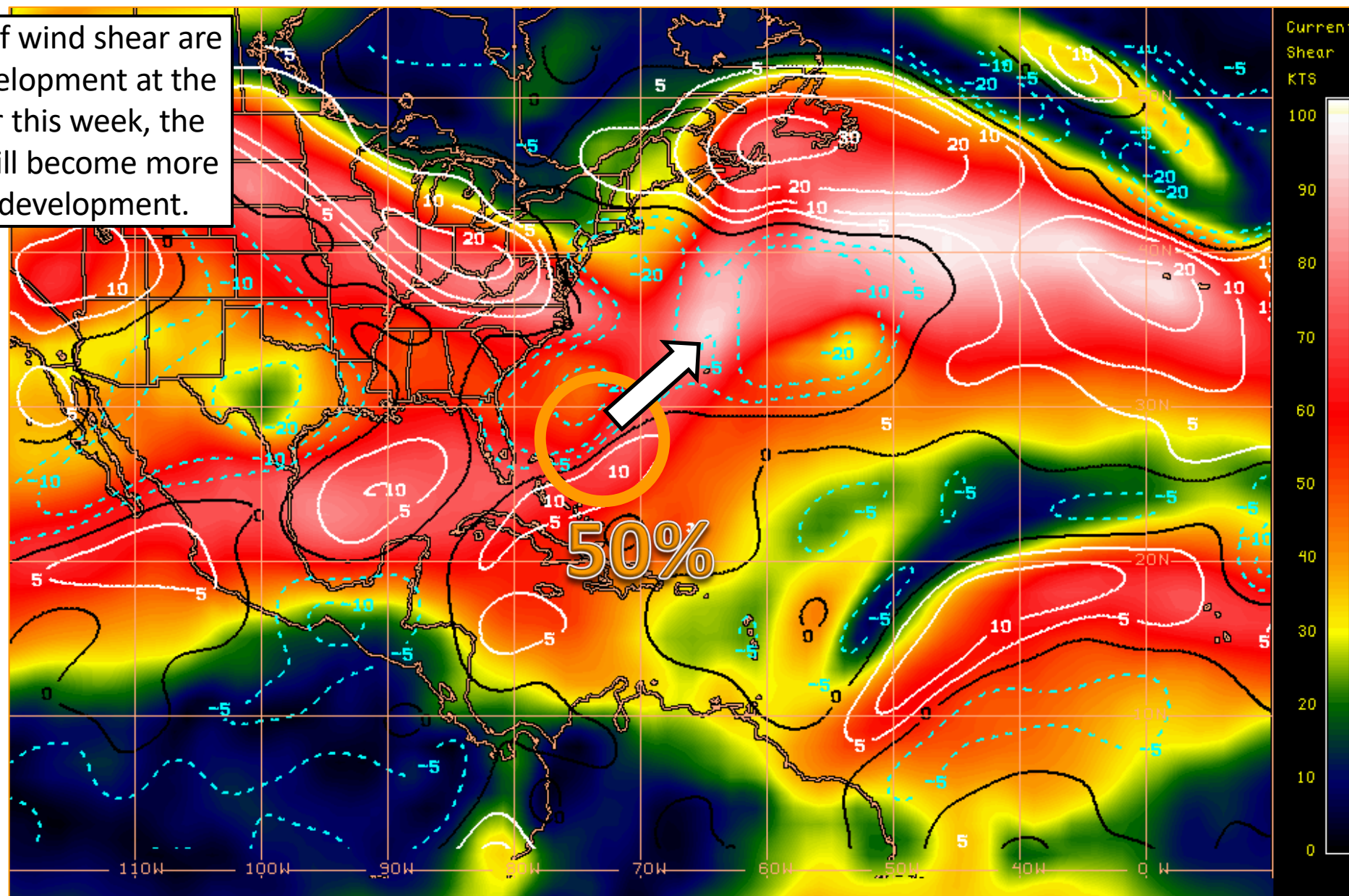
Typical Moving Storm

Slow Moving Storm

CIMSS ENV STEERING PRODUCT: 500-850 HPA LAYER (FOR TC MSLP RANGE: 990-999 HPA) 0900 UTC 12MAY20

Wind Shear (shaded) and Wind Shear Tendencies (contoured)

High amounts of wind shear are preventing development at the moment. Later this week, the environment will become more favorable for development.



HIGH Shear
(Unfavorable)

HIGH Shear
(Unfavorable)

MODERATE
Shear
(Neutral)

LOW Shear
(Favorable)

Shear Tendency (KTS) Over Past 24 Hours: Increasing ——— Decreasing - - - -

GOES-FAST 24 HOUR WIND SHEAR TENDENCY PRODUCT 1200 UTC 13 MAY 2000 UH-CIMSS METEOS

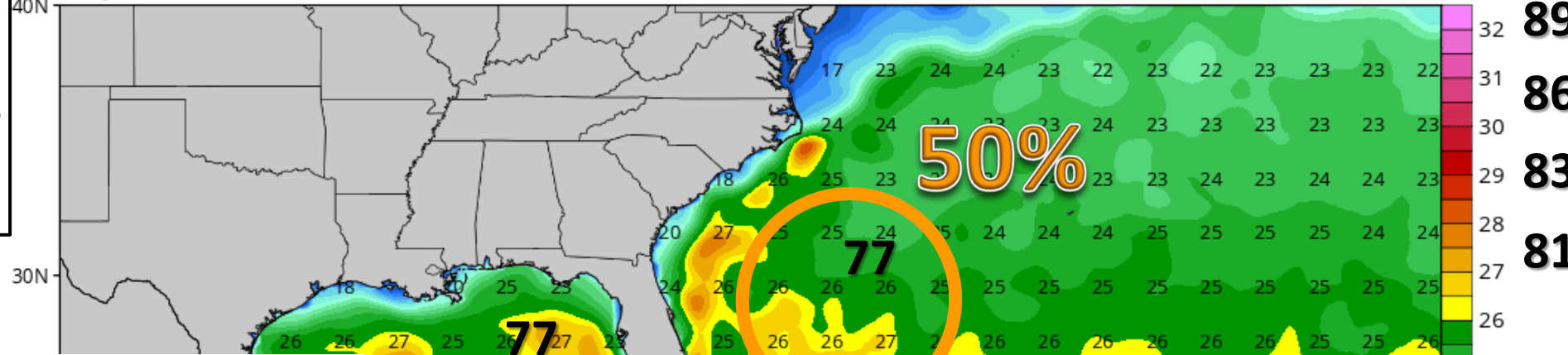
Western Atlantic Sea Surface Temperatures and Anomalies

Water temperatures are just warm enough for tropical development across the Southwest Atlantic Ocean. These temperatures are above normal for this time of year.

CDAS Sea Surface Temperature (°C)

Analysis Time: 06z Nov 17 2019

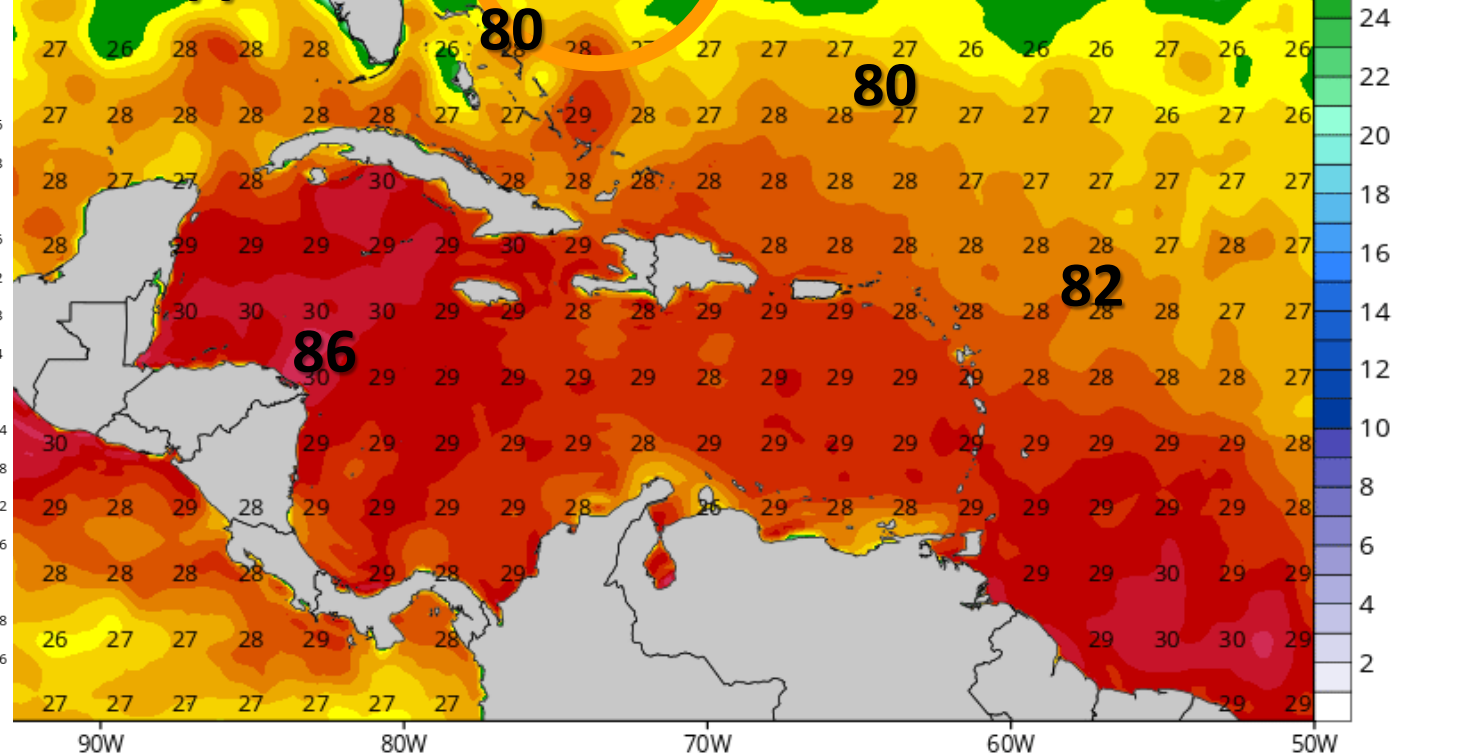
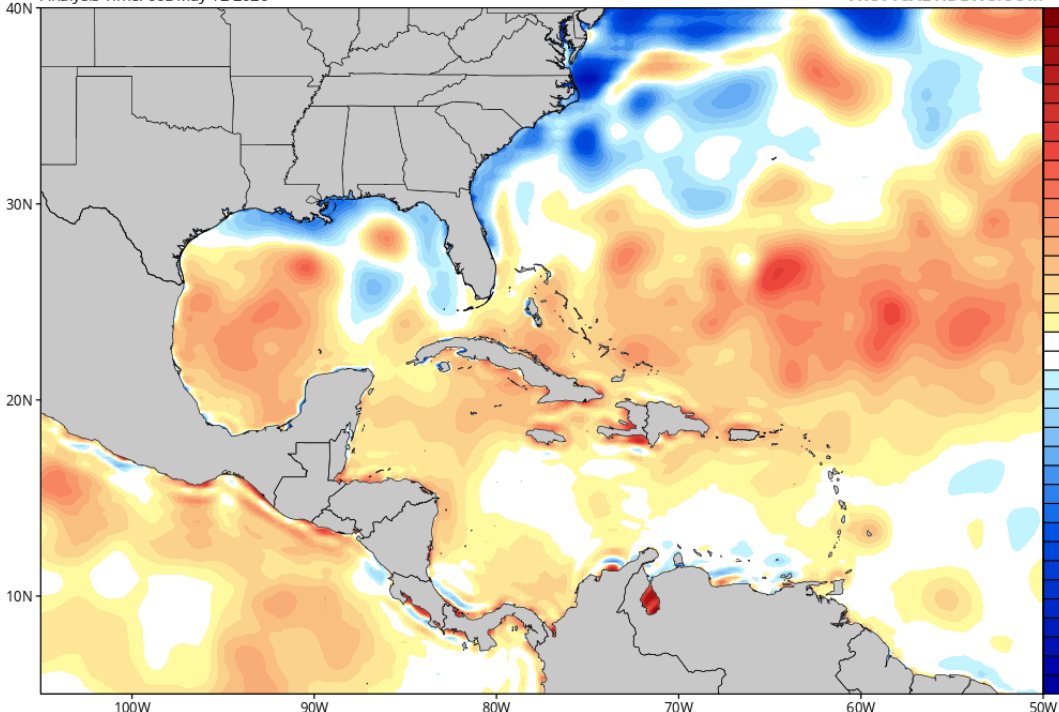
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CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 06z May 12 2020

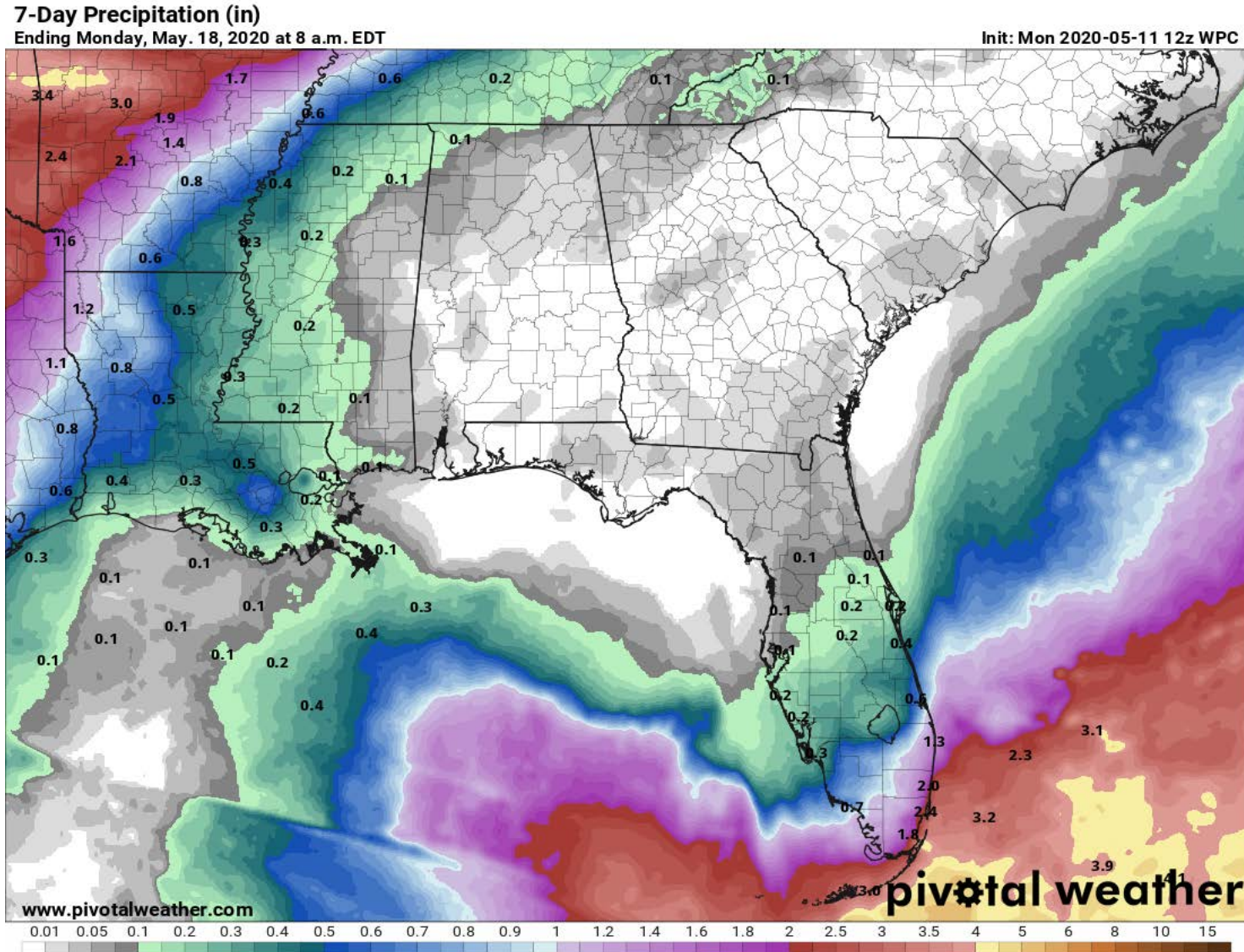
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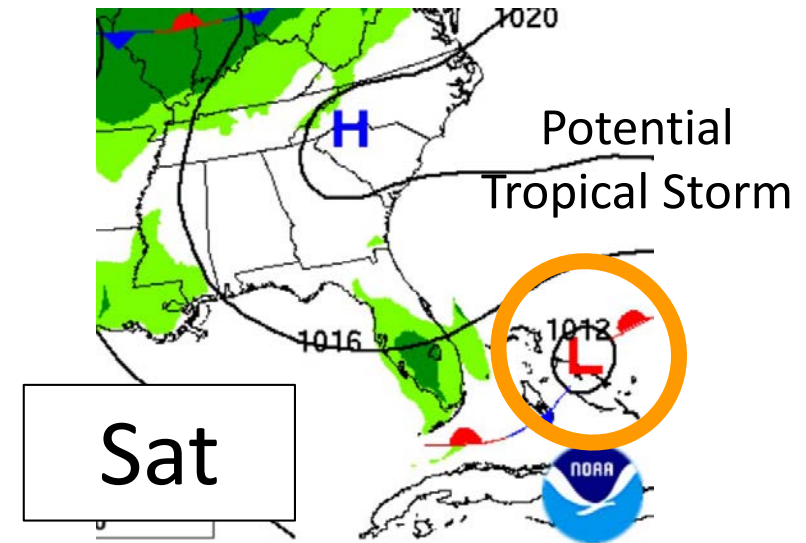
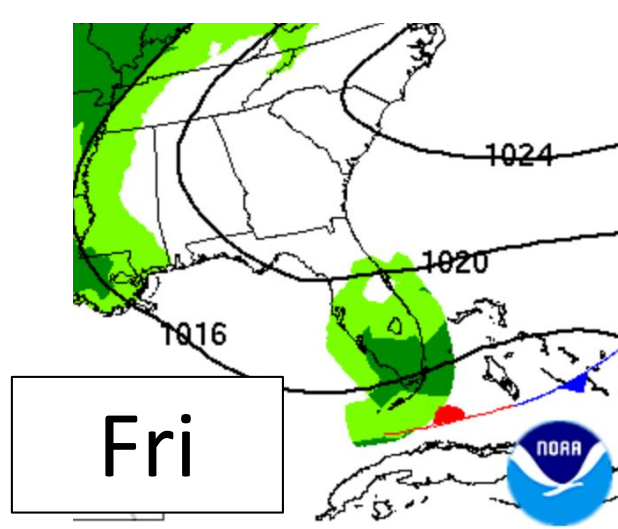
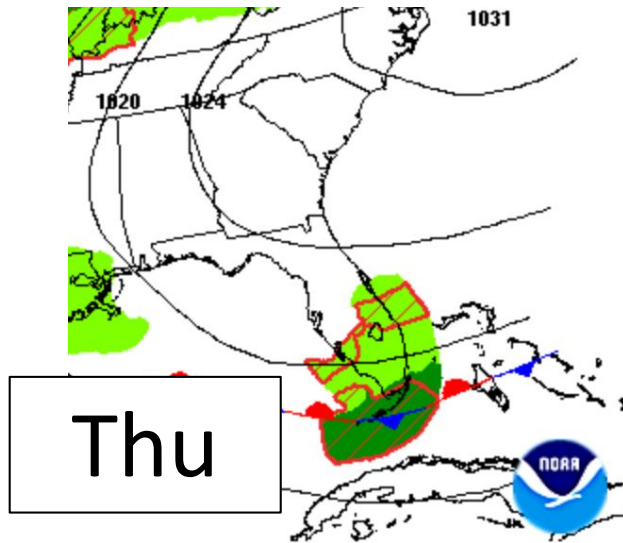


Forecast Rainfall Totals Next 7 Days

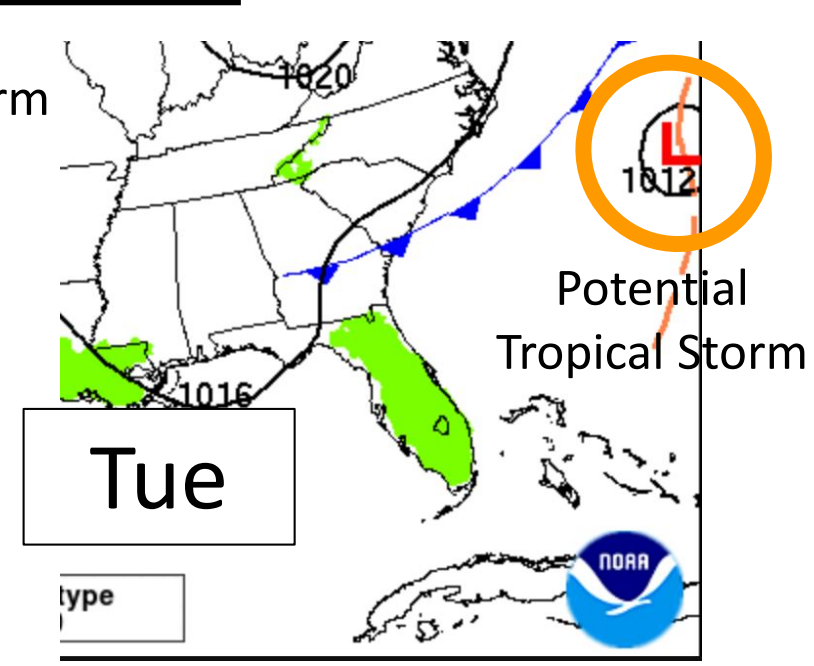
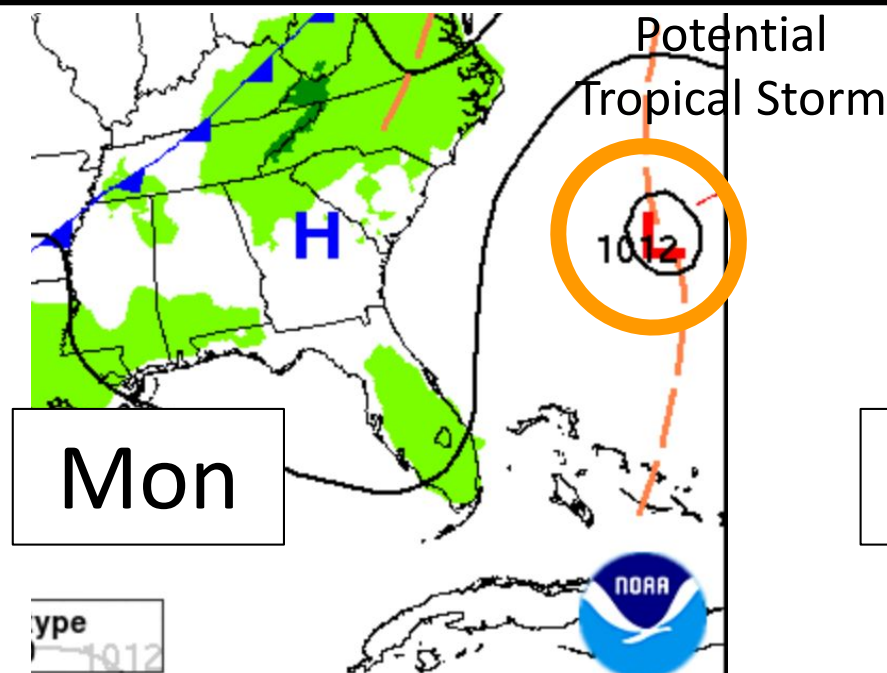
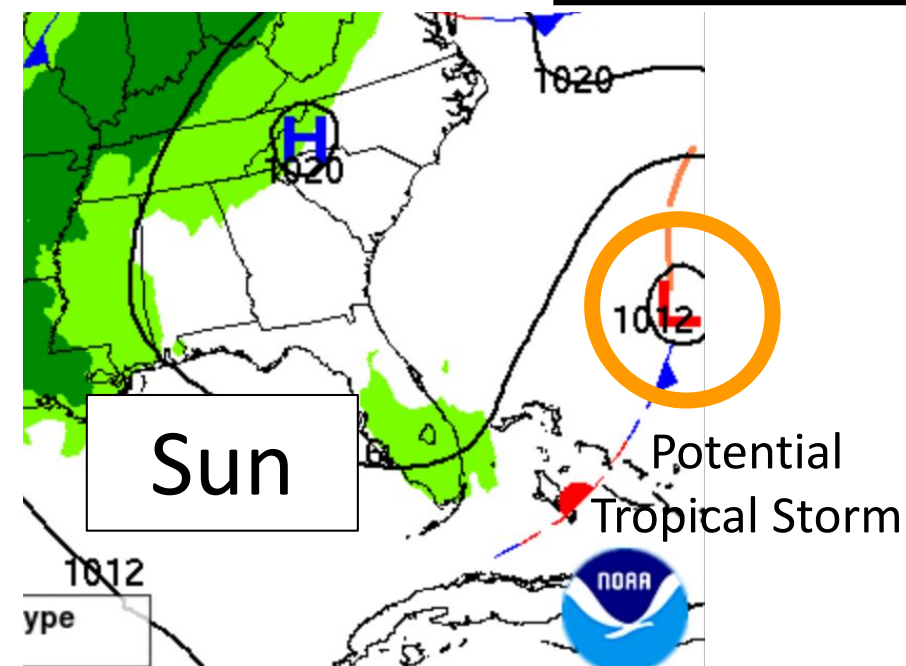
Rain chances are likely to return to South Florida starting on Thursday and potentially lasting into the weekend.

Significant, wetting rainfall is not expected across North Florida for the next 7 days.



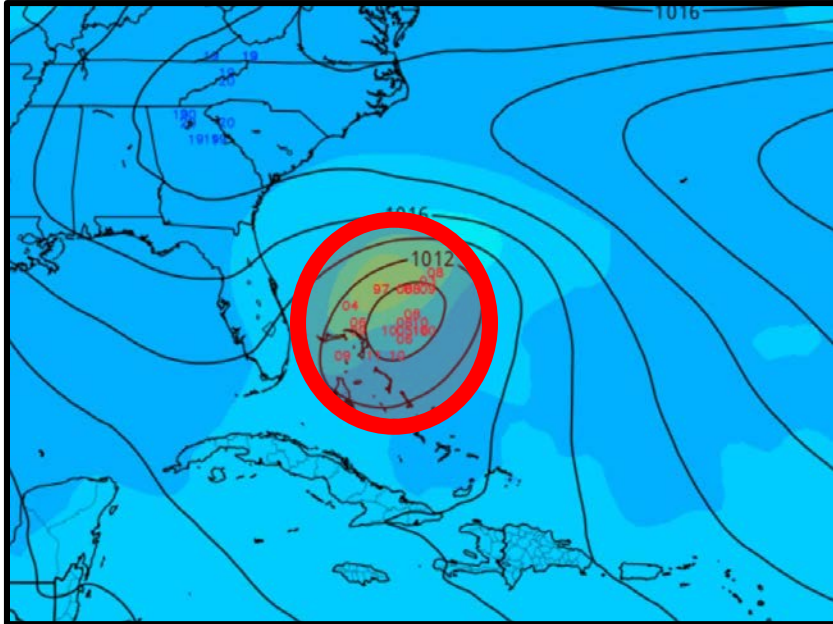


Stalled Frontal Boundary Keeping Rain Chances Elevated Late Week in South Florida

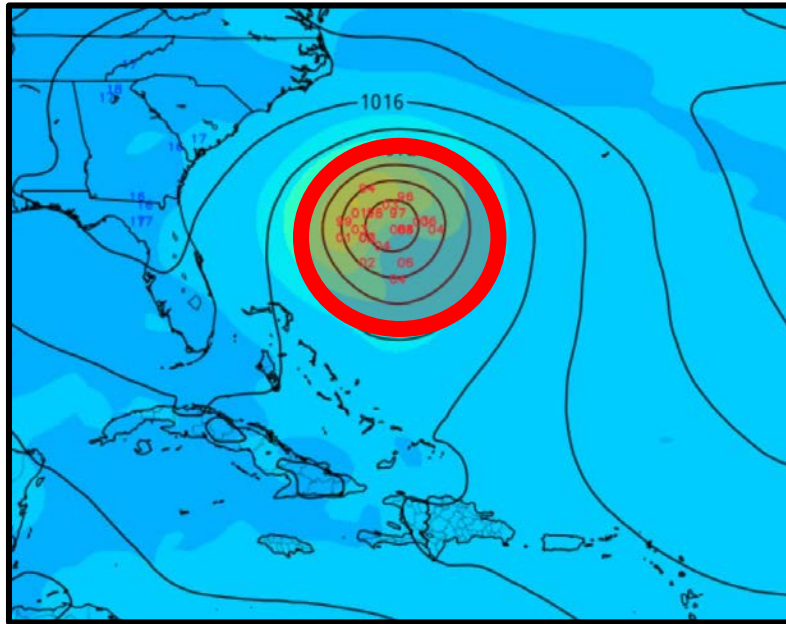


Model Ensemble Track Guidance

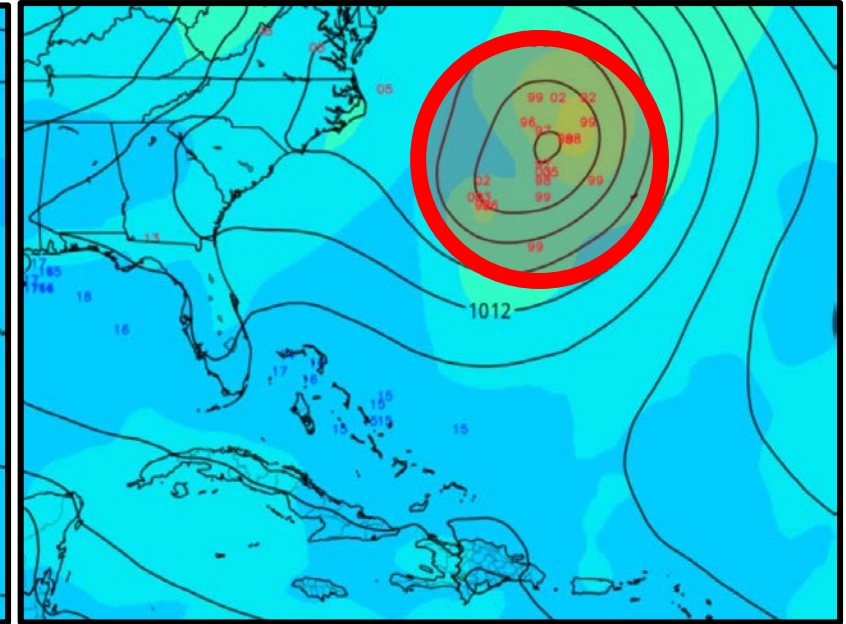
Saturday AM



Sunday AM



Tuesday AM



Models are in good agreement for the system's track to the northeast, away from Florida. Direct impacts to Florida are not expected.

Summary

Bahama Low

- An area of low pressure is forecast to develop along a frontal boundary near the Bahamas later this week.
- This disturbance could become gradually organized later this week and it could become a tropical or subtropical depression/storm.
- The system is expected to move northeast around an area of high pressure, heading away from the state of Florida.
- The National Hurricane Center gives this system a 0% (low) chance of formation during the next 48 hours, but a 50% (medium) chance of formation during days 2-5.
- If this system were to attain tropical storm intensity, the first name on the list is Arthur.

Florida Outlook:

- Indirectly related to the system, rain chances will increase across South Florida as tropical moisture moves back into the region Thursday.
- Widespread rainfall totals of 2-3" are expected across Southeast Florida and the Florida Keys. Localized totals could be 4-6".
- Due to ongoing drought conditions, significant or widespread flooding is not expected.
- Some brief periods of minor street flooding in urban and low-lying areas is possible.
- The rip current risk will remain moderate to high at Atlantic beaches this week.

The next tropics 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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Florida Division of Emergency Management

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