



TROPICAL UPDATE



11:00 AM EDT

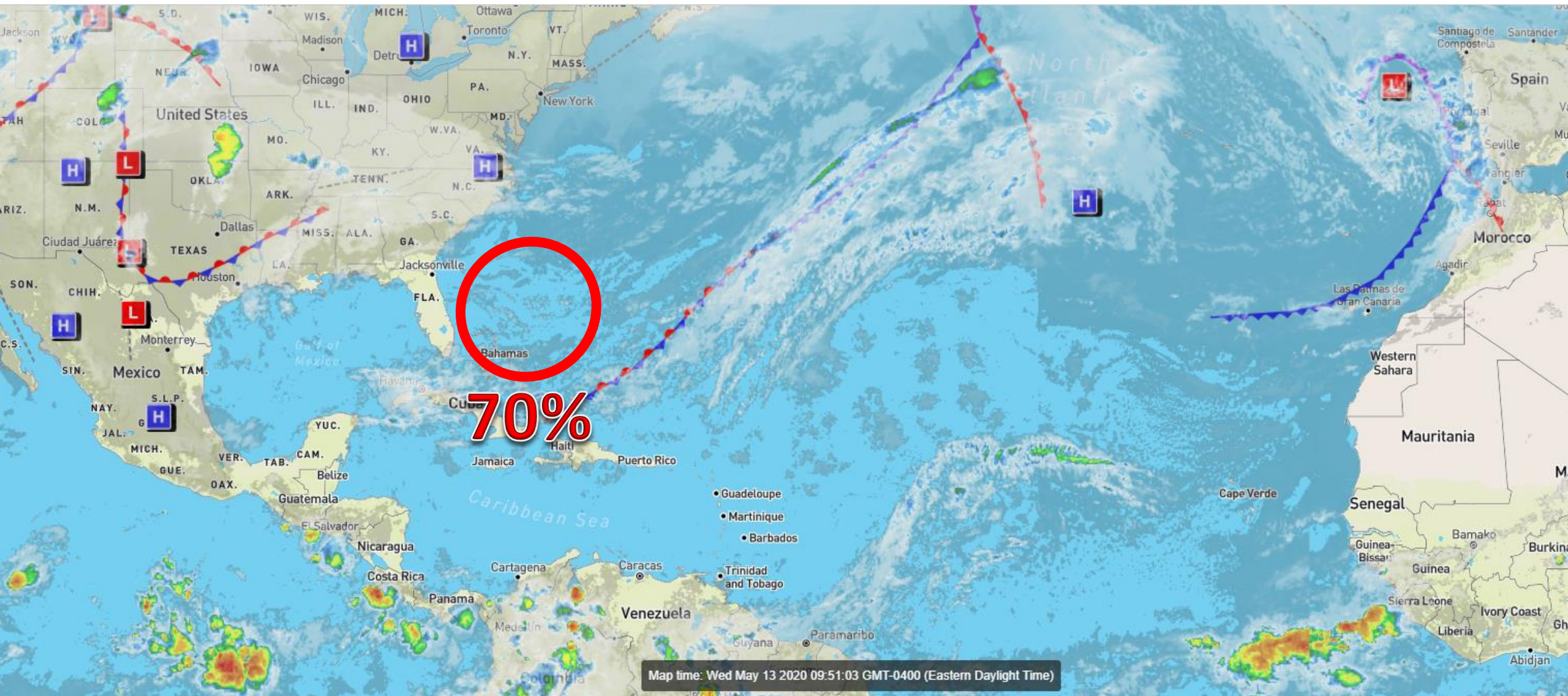
Wednesday, May 13, 2020

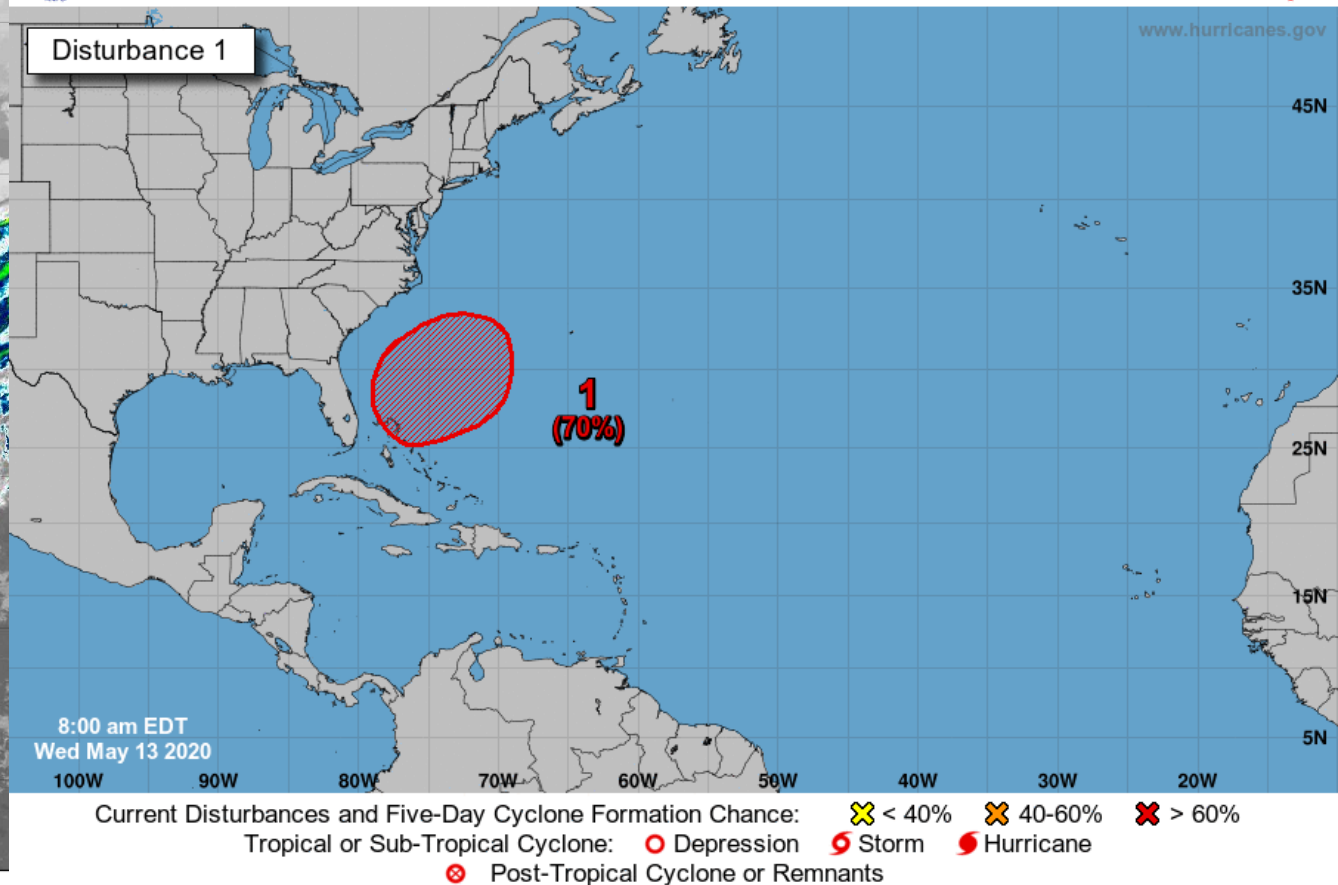
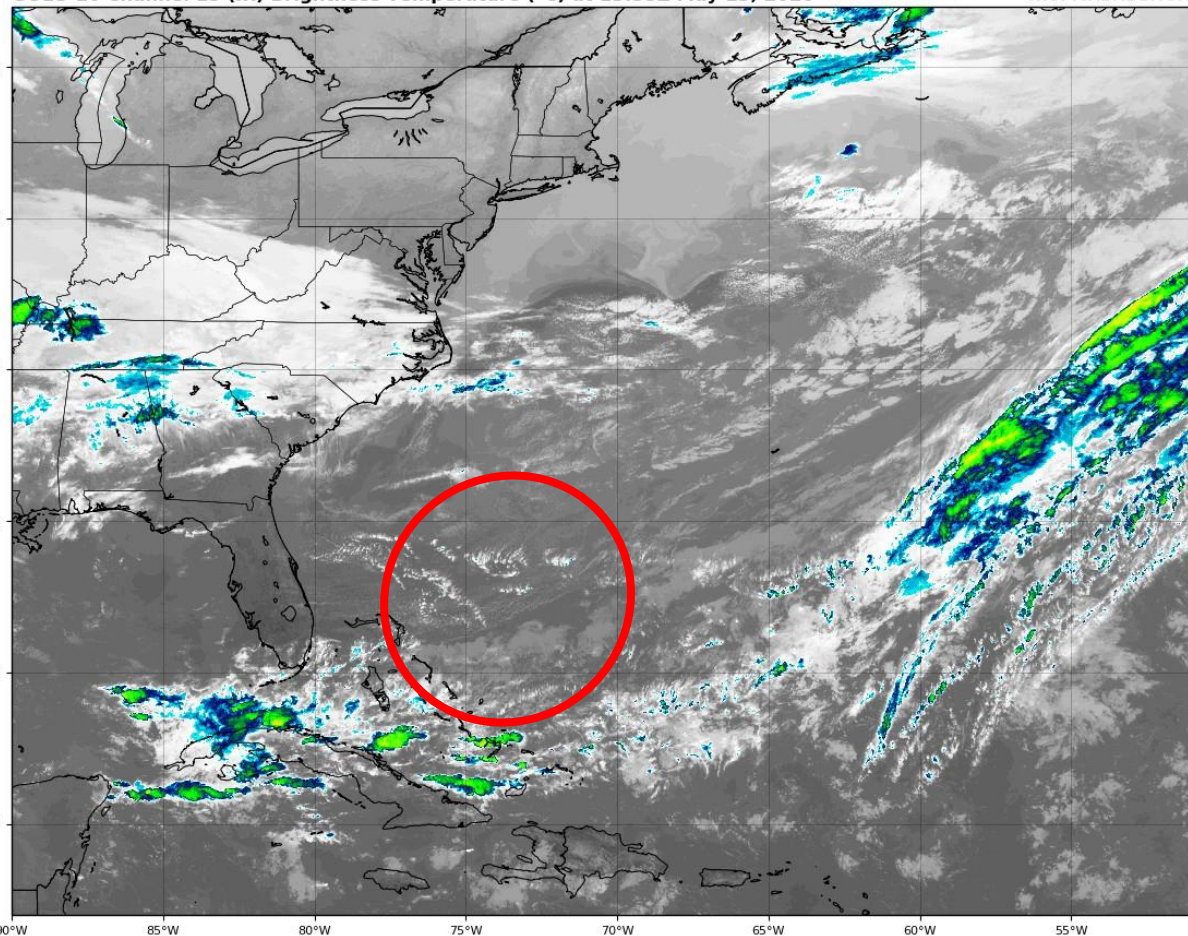
Bahama Low (70%)

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: A broad area of low pressure is expected to develop late this week or early this weekend near or within a couple of hundred miles north of the Bahamas. Environmental conditions appear conducive for gradual development of this system, and a subtropical depression or storm is likely to form this weekend while it moves northeastward over the western Atlantic. The next Special Tropical Weather Outlook on this system will be issued by 9 PM EDT Wednesday, or earlier, if necessary.

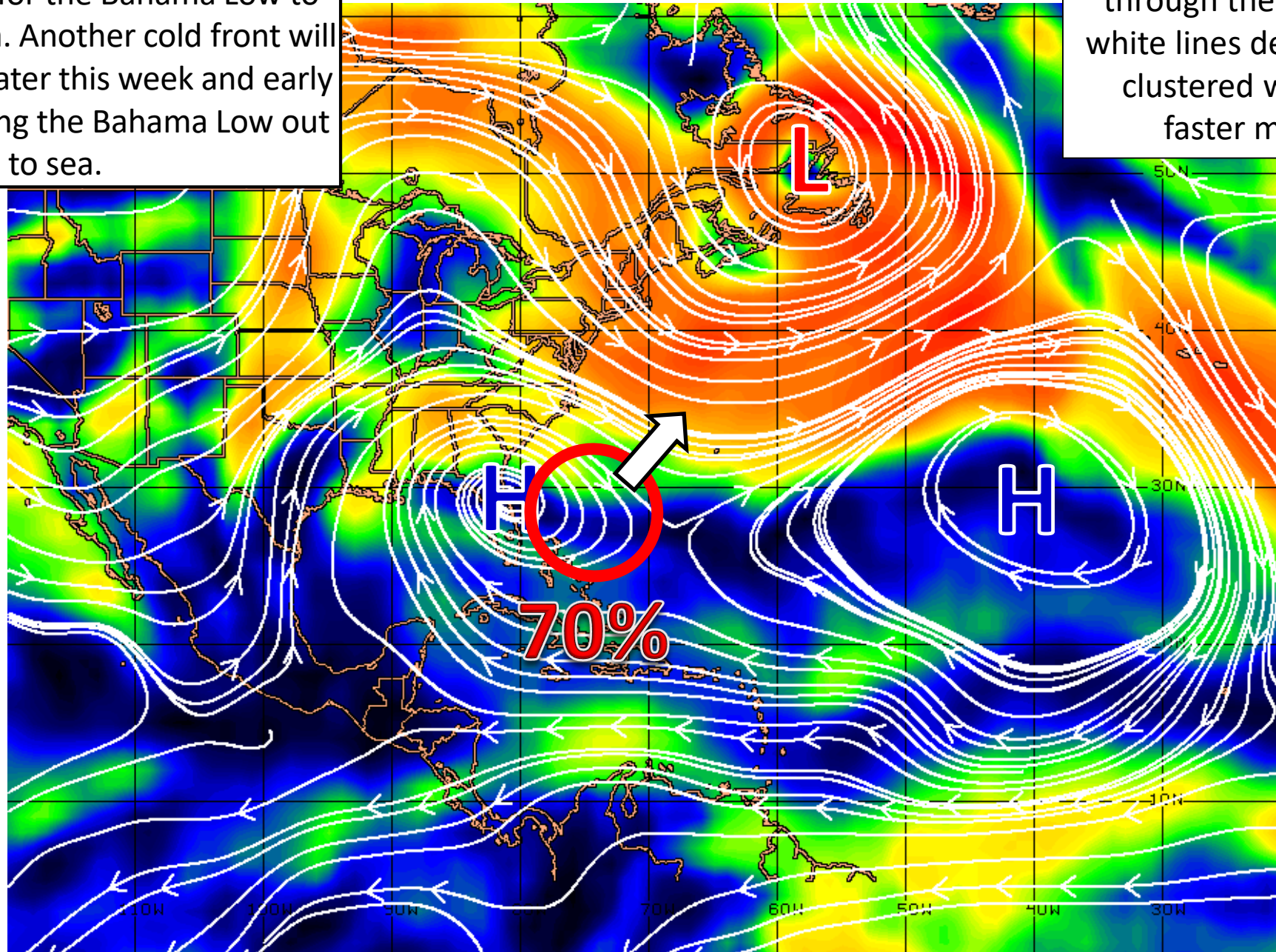
*Formation chance through 48 hours...low...0 percent.

*Formation chance through 5 days...high...70 percent.

Steering Currents

High pressure over Florida will weaken a bit, allowing for the Bahama Low to move out to sea. Another cold front will move through later this week and early next week, taking the Bahama Low out to sea.

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



Fast Moving Storm

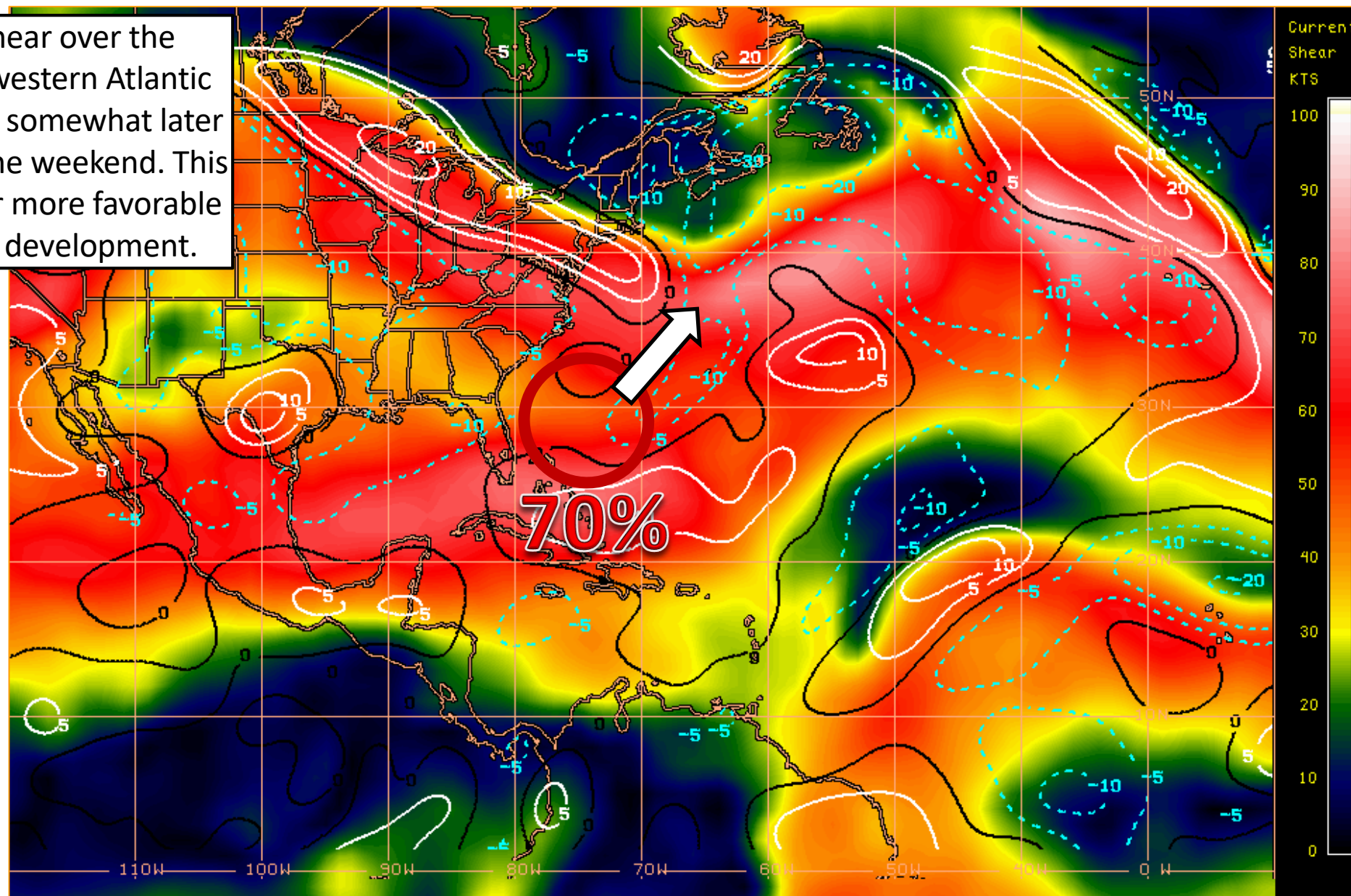
Fast Moving Storm

Typical Moving Storm

Slow Moving Storm

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

High wind shear over the Bahamas and western Atlantic should diminish somewhat later this week into the weekend. This should allow for more favorable conditions for development.



HIGH Shear
(Unfavorable)

HIGH Shear
(Unfavorable)

MODERATE
Shear
(Neutral)

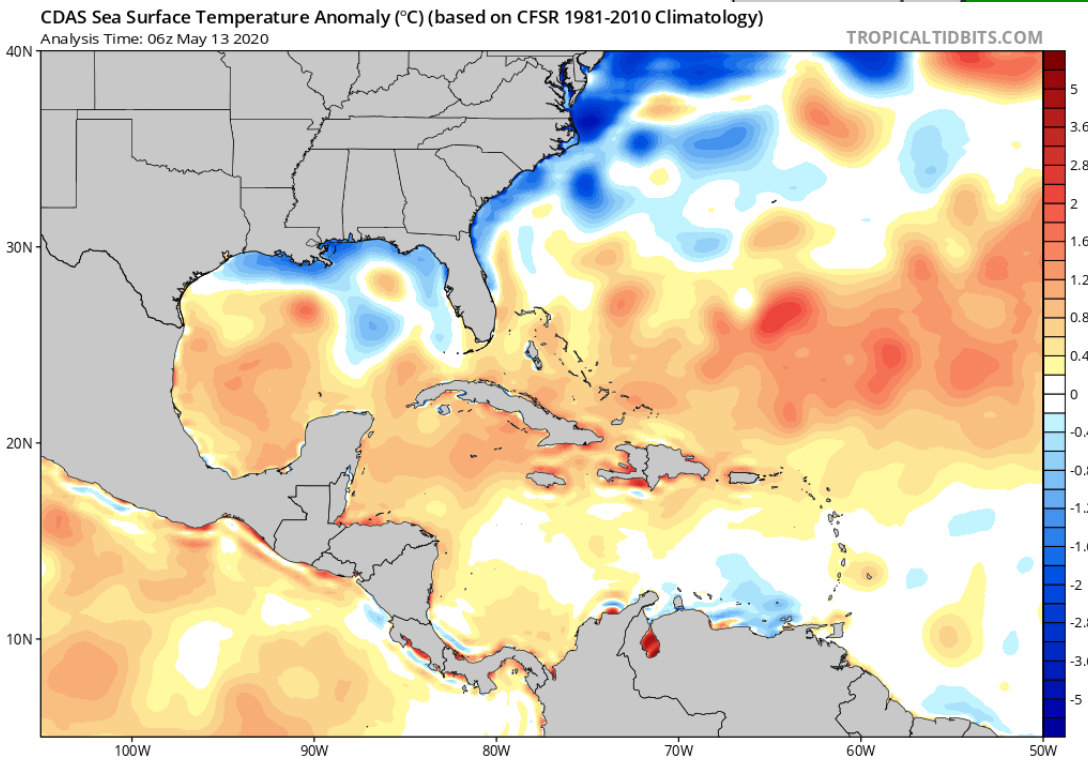
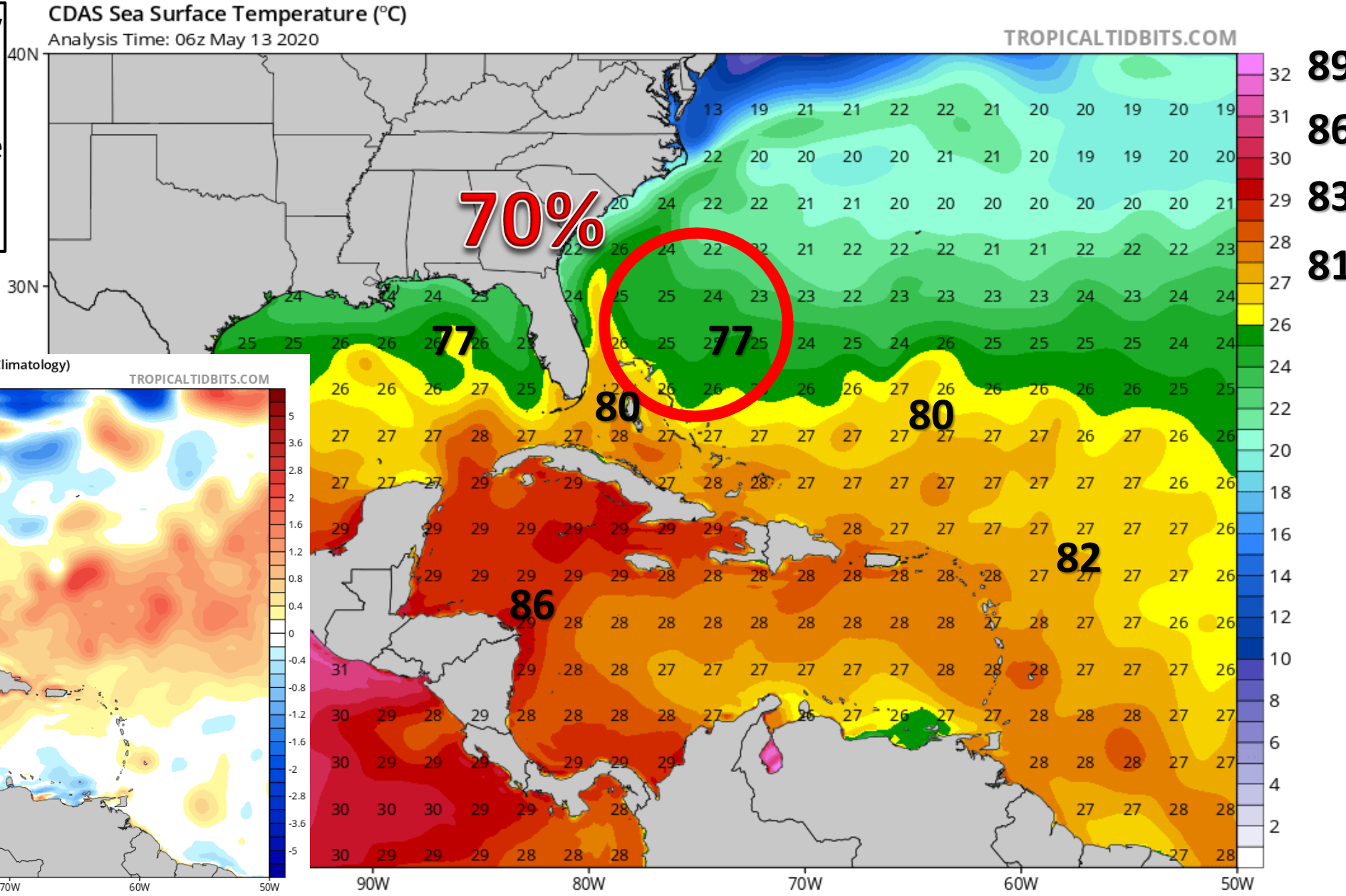
LOW Shear
(Favorable)

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

GOES-EAST 24 HOUR WIND SHEAR TENDENCY PRODUCT 1200 UTC 13MAY20 UH-CIMSS METEOS

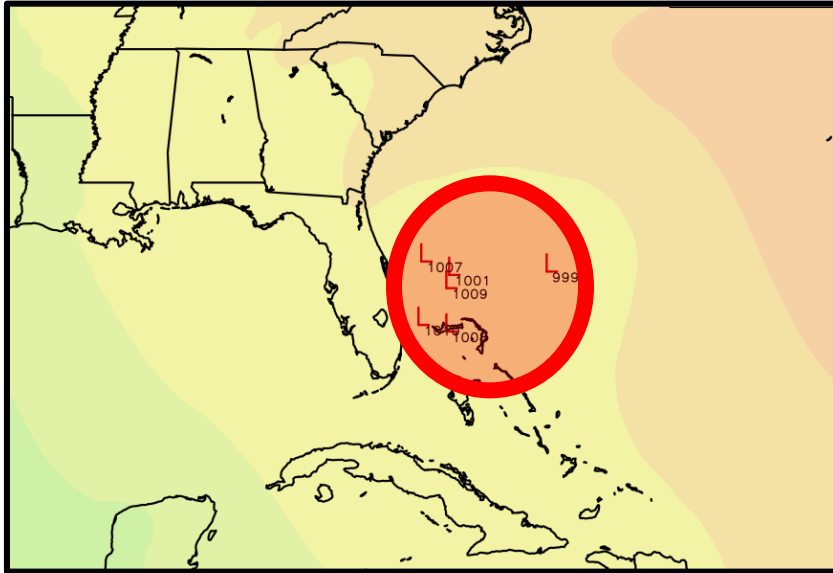
Western Atlantic Sea Surface Temperatures and Anomalies

Temperatures are only marginally warm enough for tropical or subtropical development. However, these temperatures are still near to slightly above normal for this time of year.

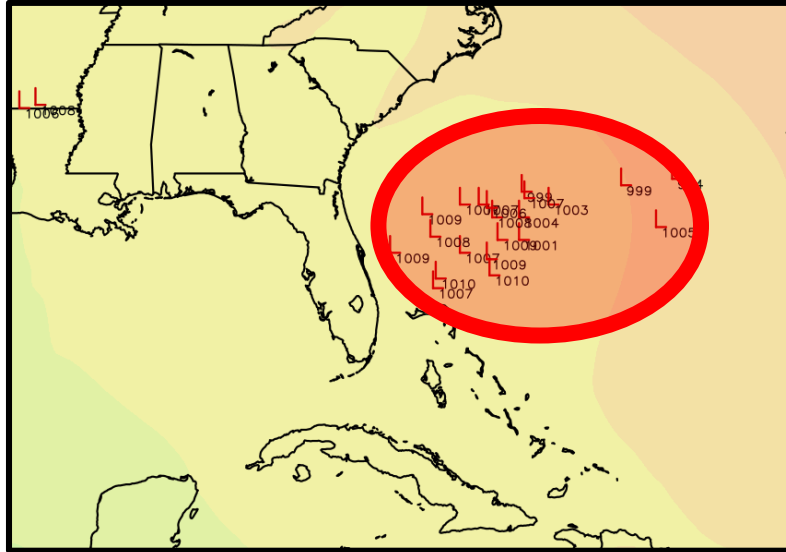


Model Ensemble Track Guidance

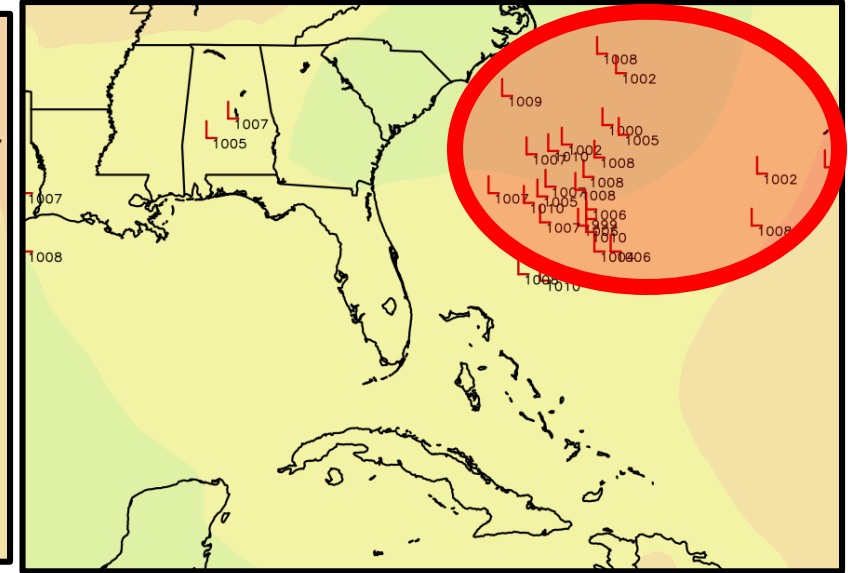
Saturday AM



Sunday AM



Tuesday AM

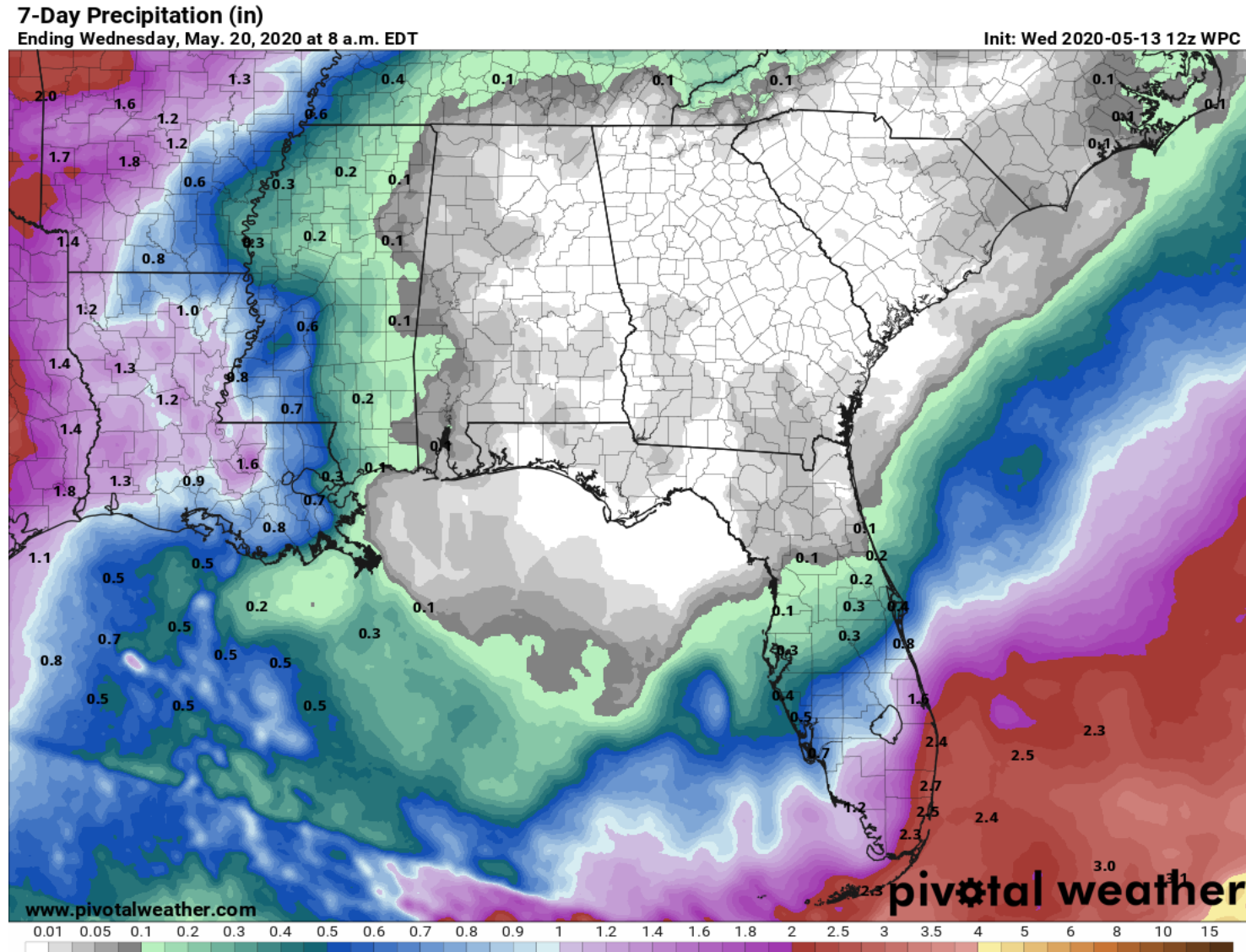


Models are in good agreement for the system's track to the northeast, away from Florida. Direct impacts to Florida are not expected.

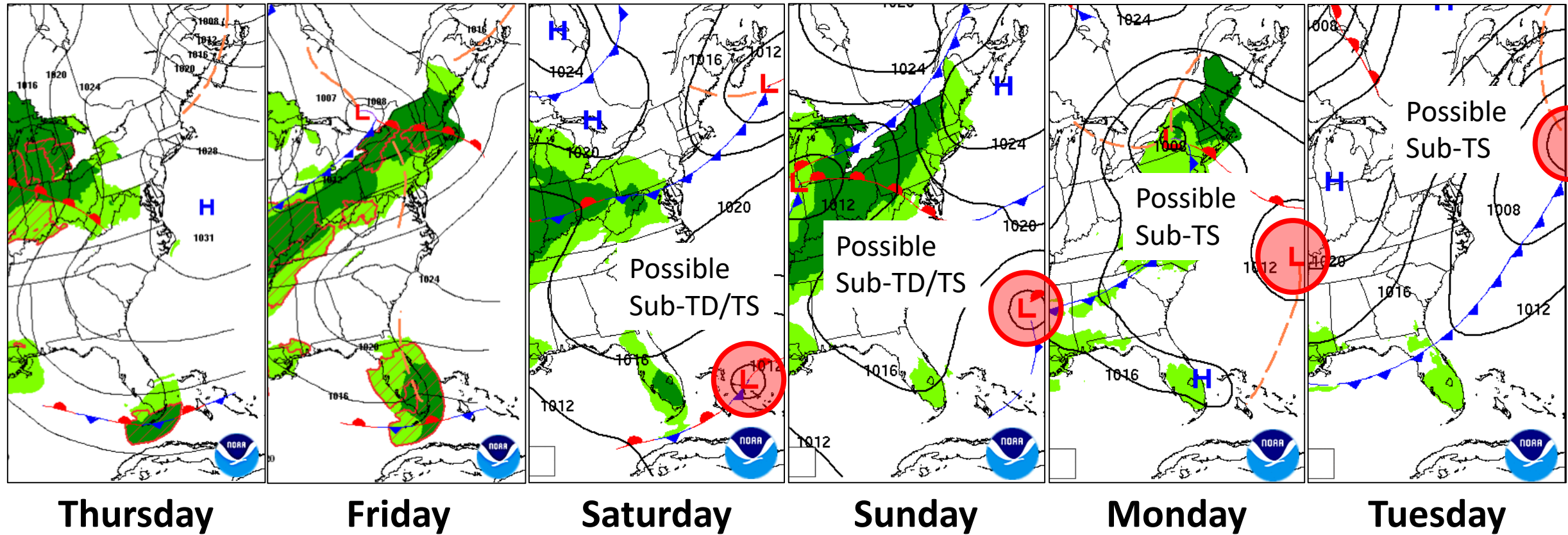
Forecast Rainfall Totals Next 7 Days

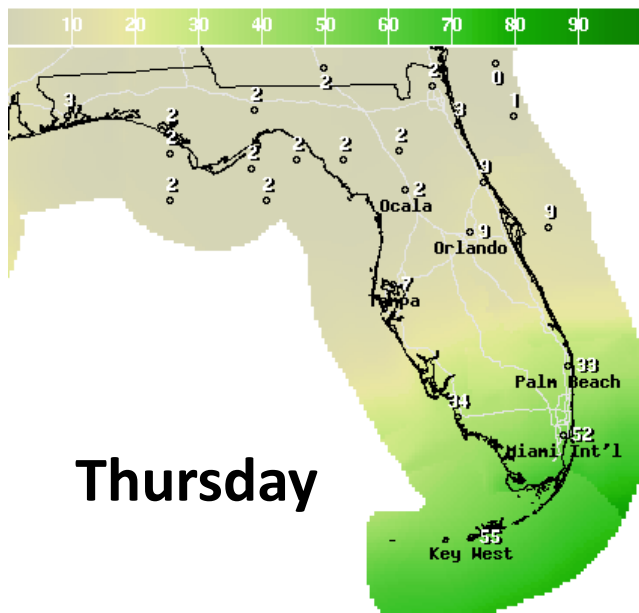
Rain chances are likely to return to South Florida starting on Thursday and potentially lasting into the weekend. About 1-3" of rain is expected, with the highest amounts primarily in the Florida Keys and coastal Southeast Florida. Localized totals greater than 4" are possible.

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

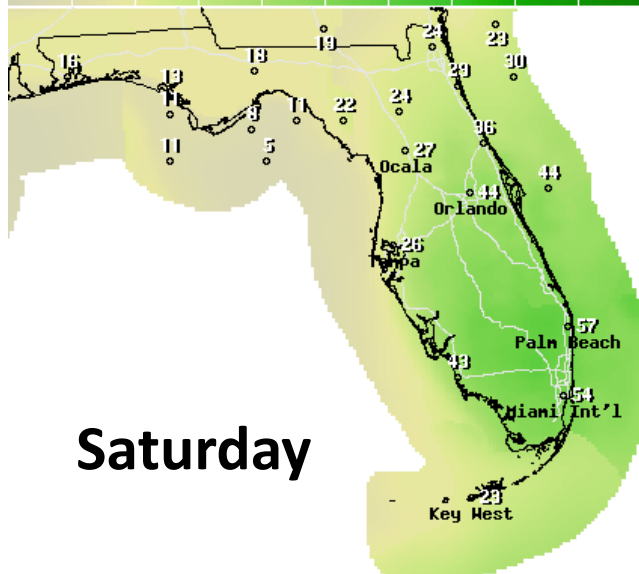


Stalled Front Keeps Elevated Rain Chances Across South Florida & Keys



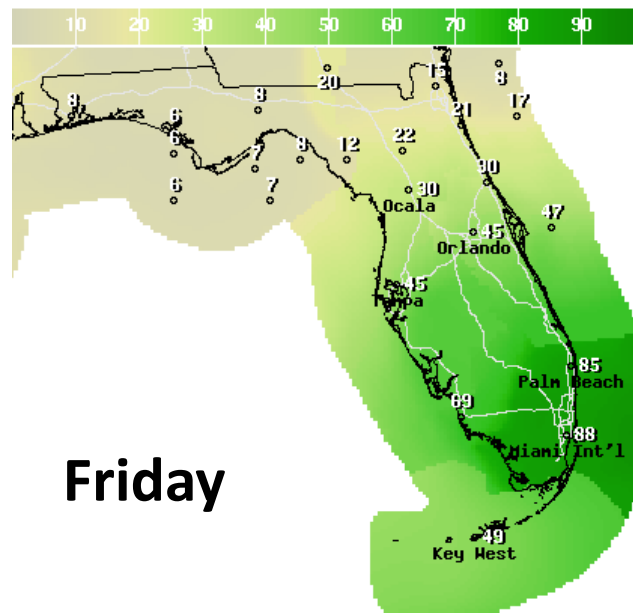


12Hr Prob.Precip(%) Ending Thu May 14 2020 8PM EDT
(Fri May 15 2020 00Z)

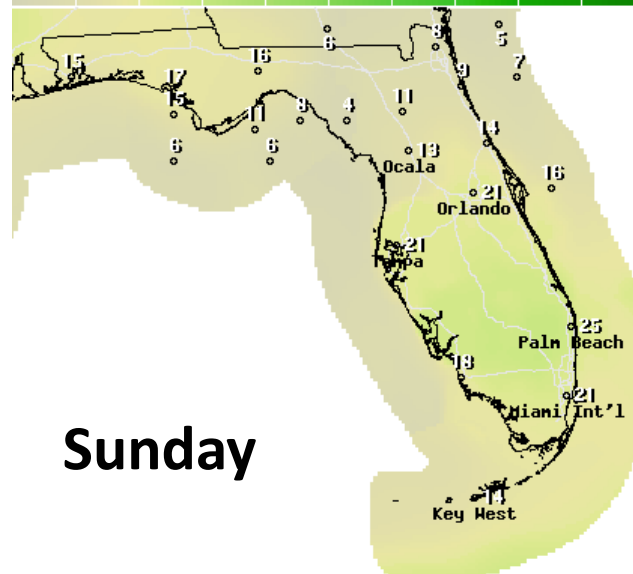


12Hr Prob.Precip(%) Ending Sat May 16 2020 8PM EDT
(Sun May 17 2020 00Z)

National Digital Forecast Database
13z issuance Graphic created-May 13 9:28AM EDT



12Hr Prob.Precip(%) Ending Fri May 15 2020 8PM EDT
(Sat May 16 2020 00Z)



12Hr Prob.Precip(%) Ending Sun May 17 2020 8PM EDT
(Mon May 18 2020 00Z)

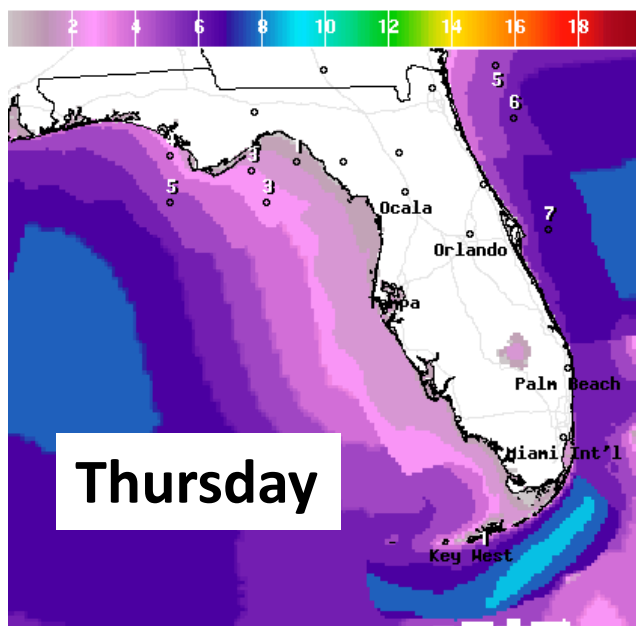
National Digital Forecast Database
13z issuance Graphic created-May 13 9:29AM EDT

Rain Chances Thursday - Sunday

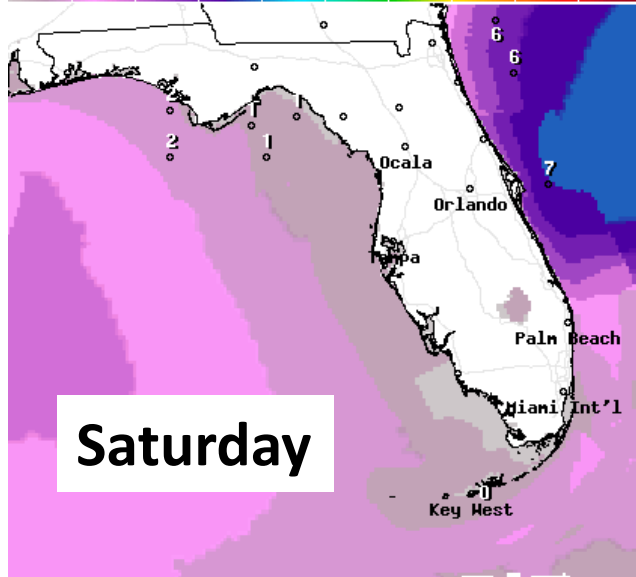
Rain chances will increase across the Peninsula through Friday, then decrease again through Sunday. The best chances for showers and thunderstorms will be along the Southeast Florida coast and in the Keys.

Widespread severe weather is not expected. However, gusty winds of 45 mph, waterspouts, locally heavy downpours, and frequent lightning will accompany the stronger storms.

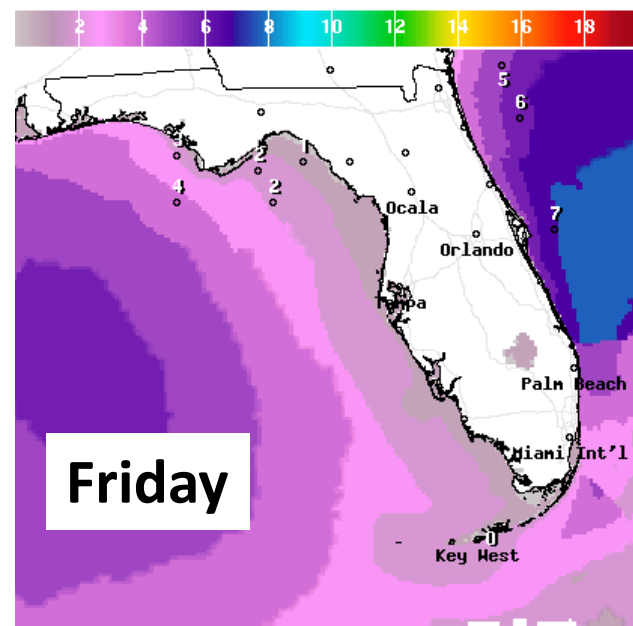
Wave Heights Thursday - Sunday



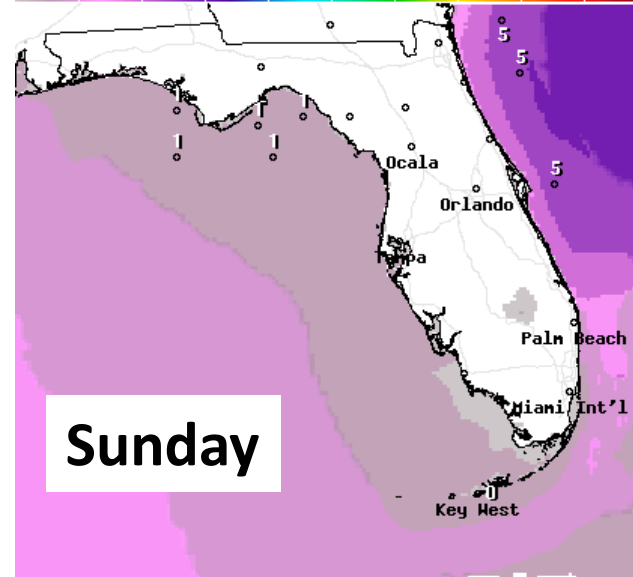
Wave Height(ft) Ending Thu May 14 2020 8PM EDT
(Fri May 15 2020 00Z)



Wave Height(ft) Ending Fri May 15 2020 8PM EDT
(Sat May 16 2020 00Z)



Wave Height(ft) Ending Sat May 16 2020 8PM EDT
(Sun May 17 2020 00Z)



Wave Height(ft) Ending Sun May 17 2020 8PM EDT
(Mon May 18 2020 00Z)

Waves will remain high into the weekend as the system becomes better organized. This combined with breezy easterly winds will result in a high rip current risk for Atlantic beaches through this weekend.

Summary

Bahama Low

- An area of low pressure is forecast to develop along a frontal boundary near the Bahamas later this week or this weekend.
- 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 70% (high) 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.
- Frequent lightning, gusty winds, and waterspouts are also possible in the stronger showers and storms.
- Breezy conditions are possible outside of thunderstorms.
- The rip current risk will likely remain high at Atlantic beaches into this weekend.

The next tropics packet will be issued Thursday 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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