



TROPICAL UPDATE



11:00 AM EDT

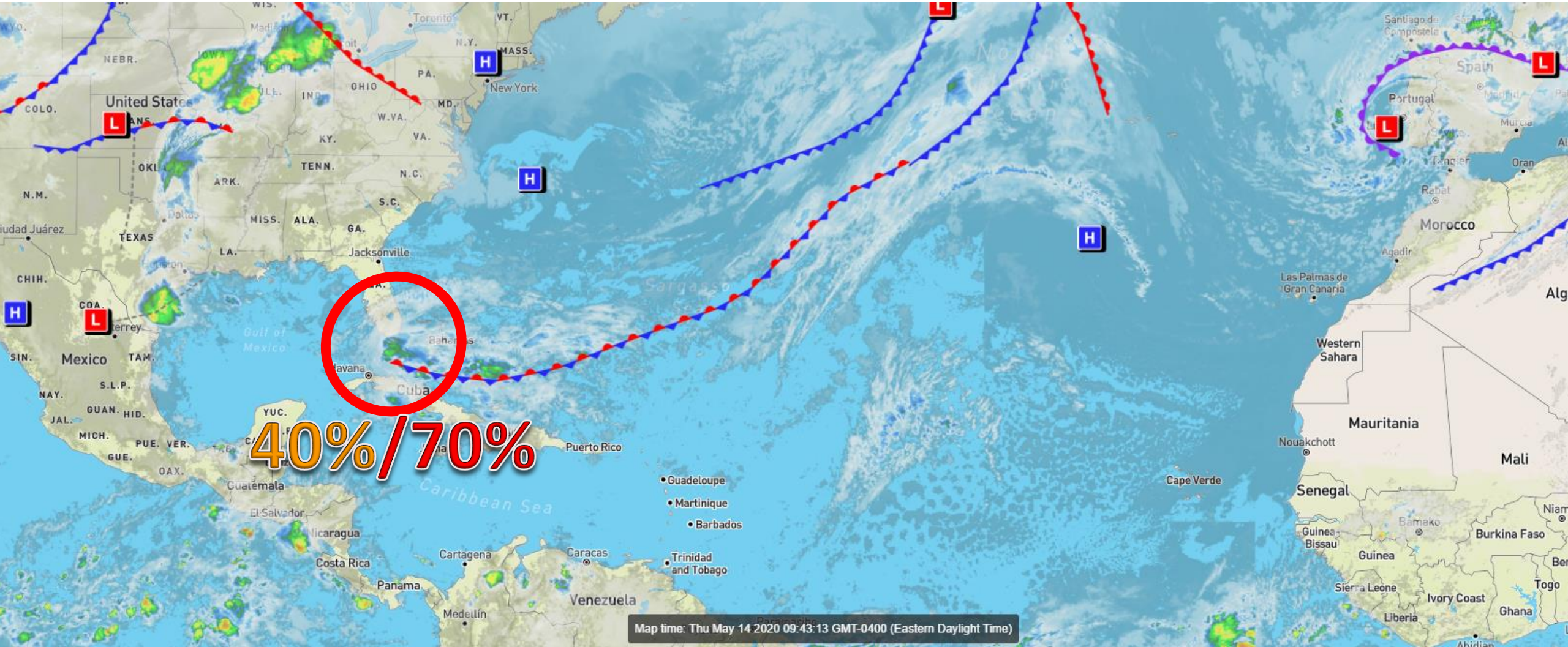
Thursday, May 14, 2020

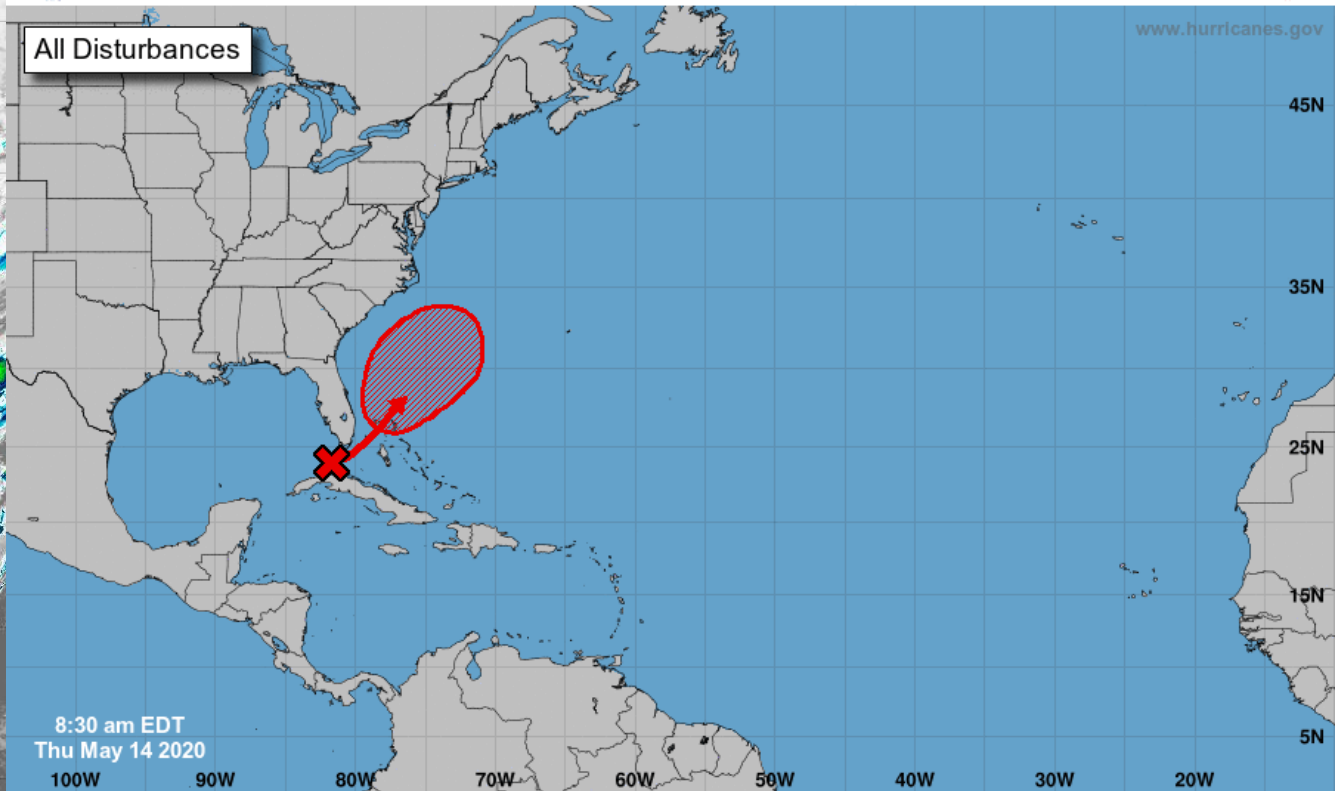
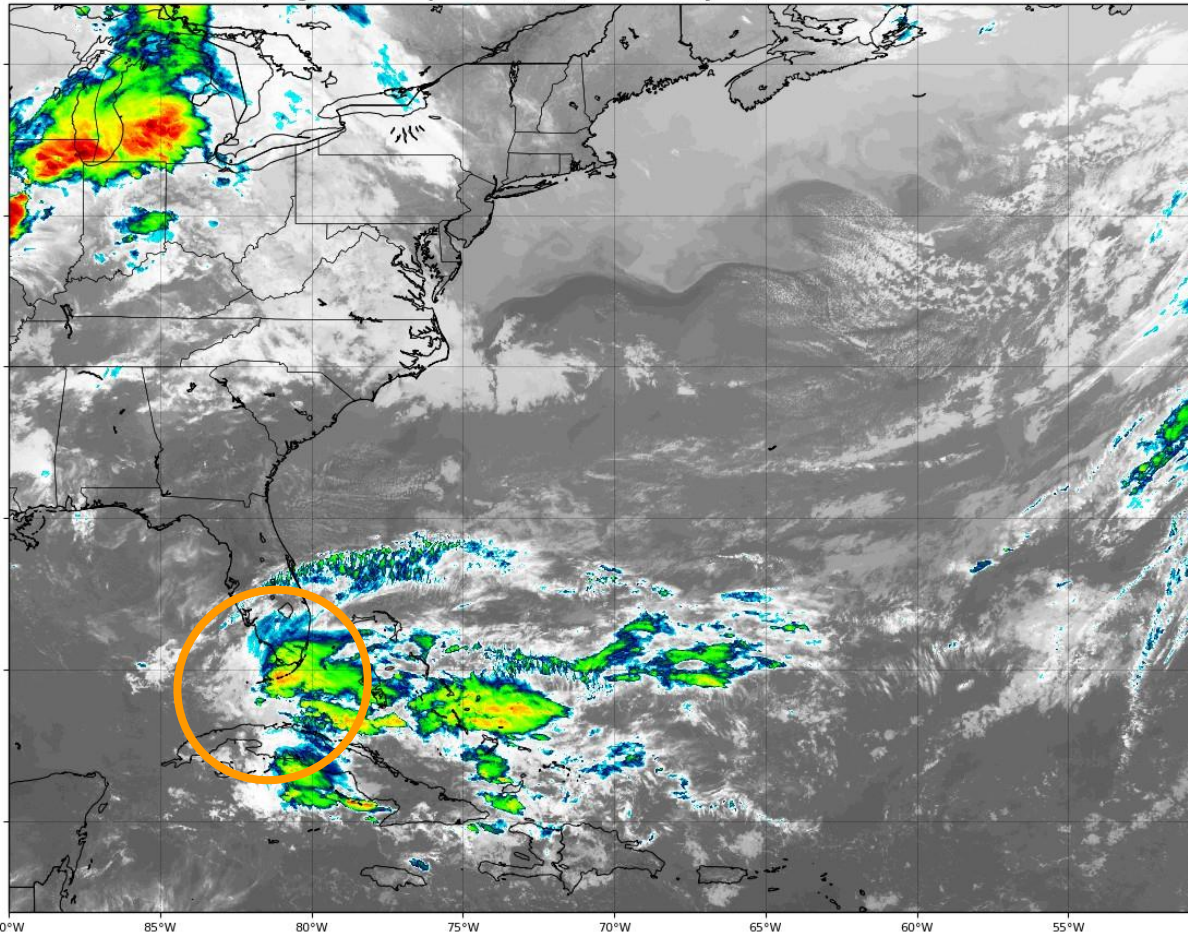
Bahama Low (70%)

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**





8:30 am EDT
Thu May 14 2020

Current Disturbances and Five-Day Cyclone Formation Chance:
 X < 40% X 40-60% X > 60%
 Tropical or Sub-Tropical Cyclone: O Depression O Storm O Hurricane
 ⊕ Post-Tropical Cyclone or Remnants

Bahama Low: An area of cloudiness and thunderstorms located over the Straits of Florida is forecast to spread northeastward during the next day or two. Environmental conditions are expected to become conducive for development, and this system is likely to become a tropical or subtropical depression or storm this weekend when it is located near or north of the northwestern Bahamas. The system is forecast to move generally northeastward over the western Atlantic early next week. Regardless of development, the disturbance is expected to bring locally heavy rainfall and gusty winds to portions of southeastern Florida and the central and northwestern Bahamas over the next couple of days. The next Special Tropical Weather Outlook on this system will be issued by 3 PM EDT today, or earlier, if necessary.

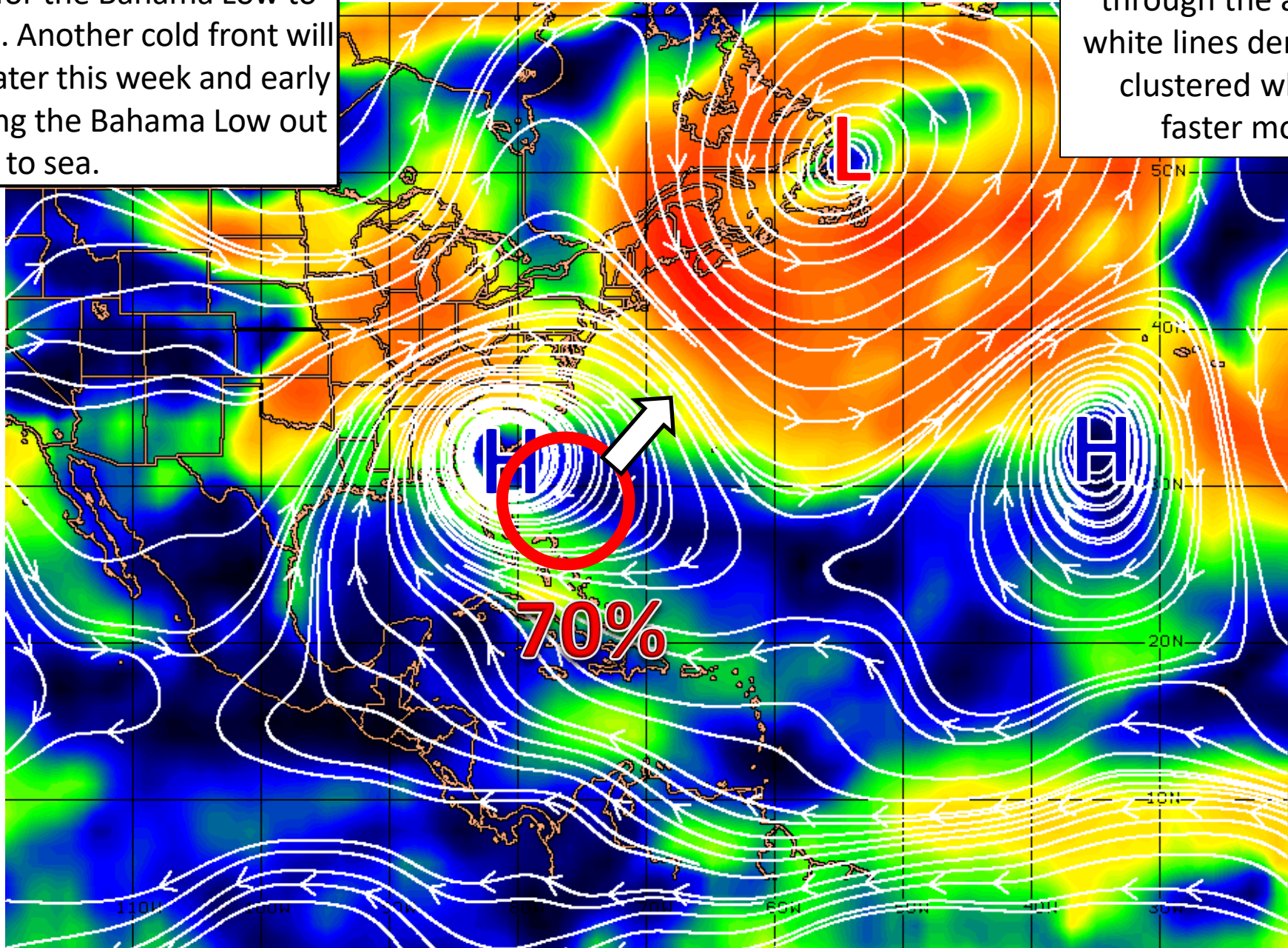
***Formation chance through 48 hours...medium...40 percent.**

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

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.



Fast Moving Storm

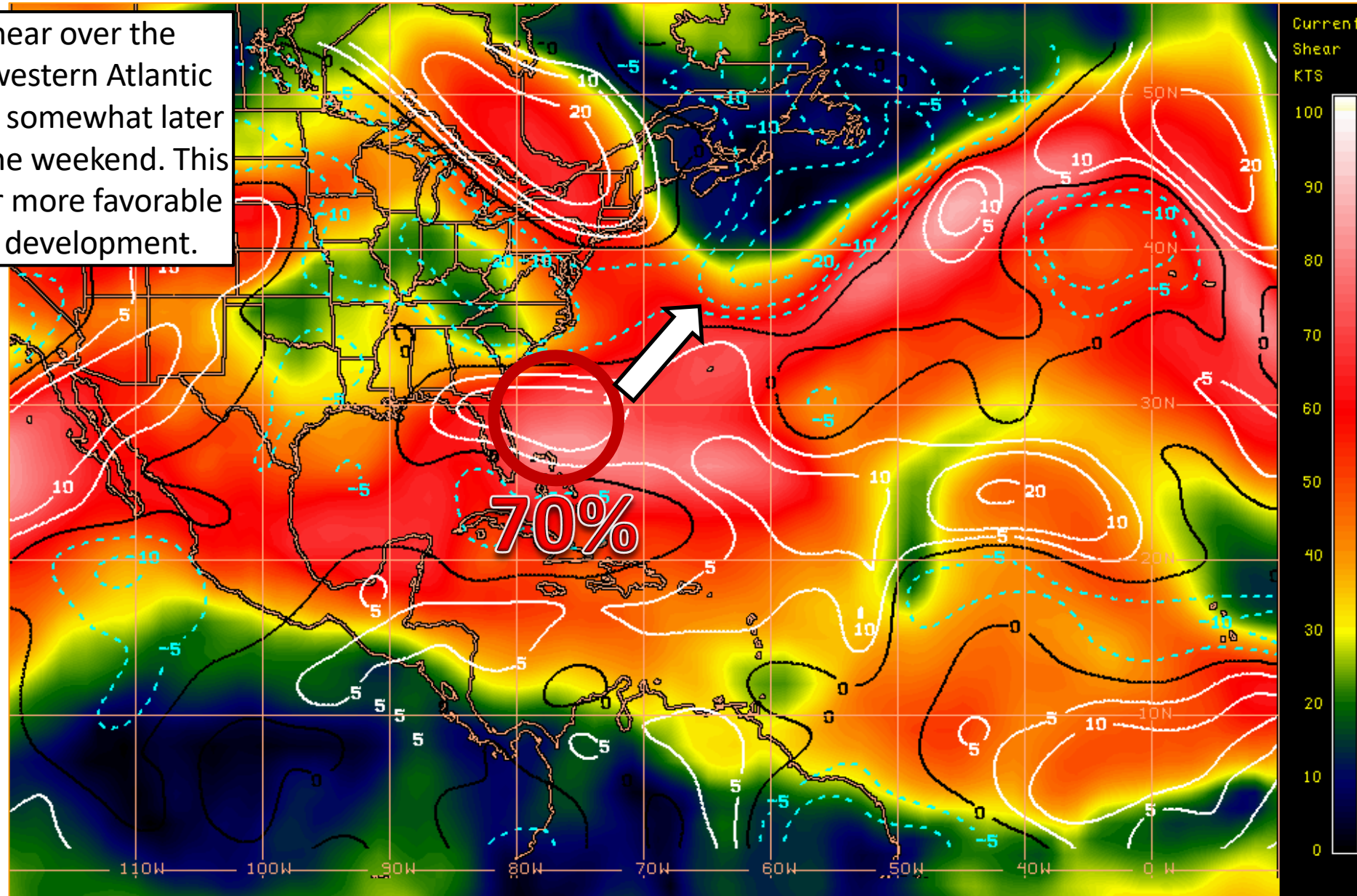
Fast Moving Storm

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)

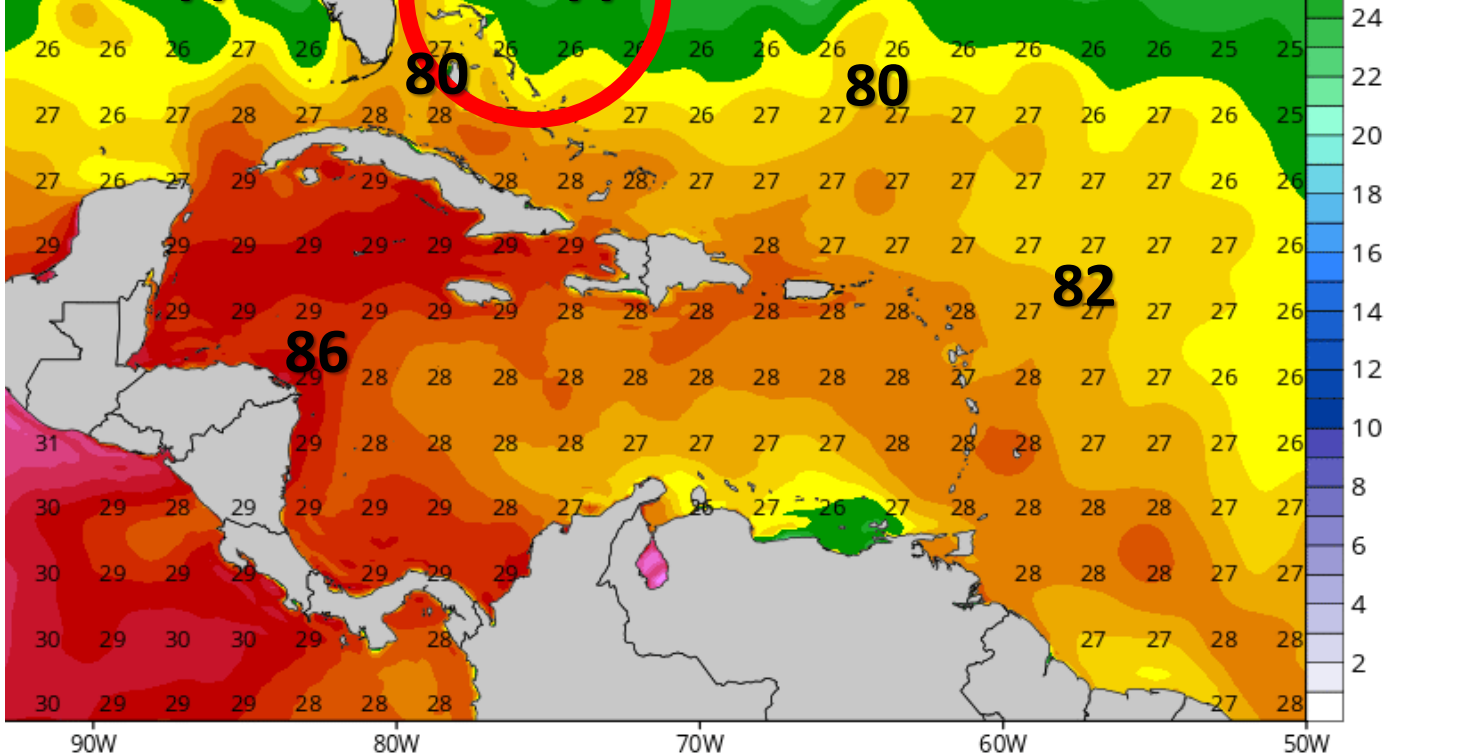
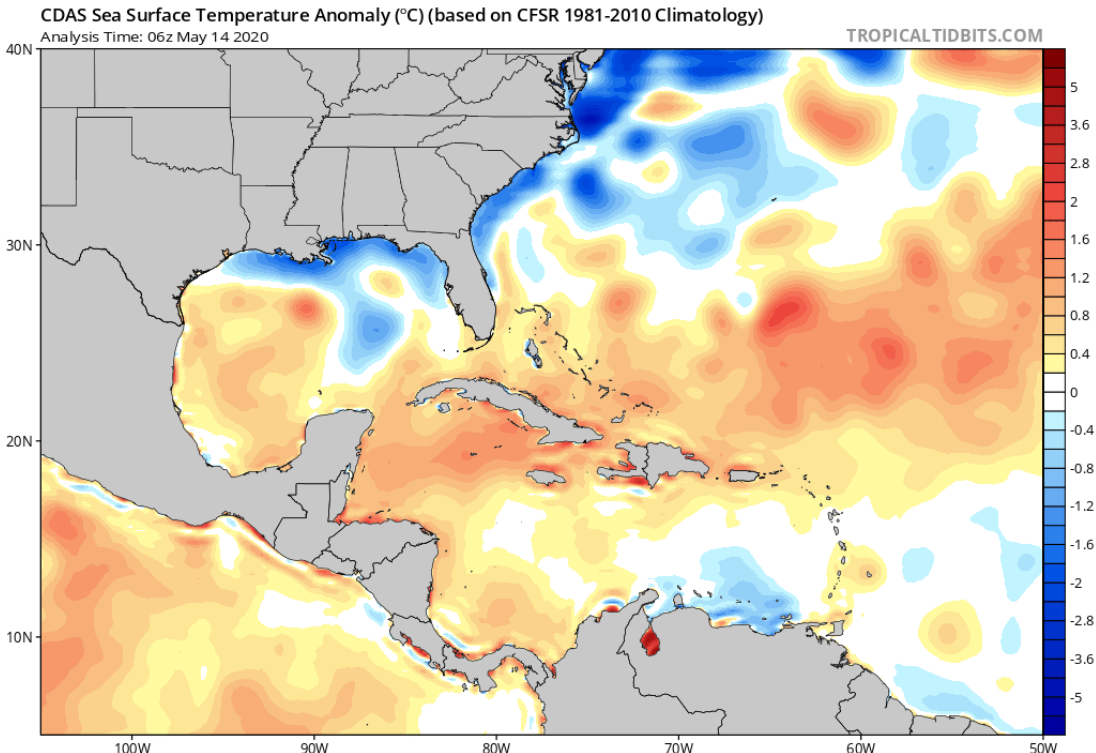
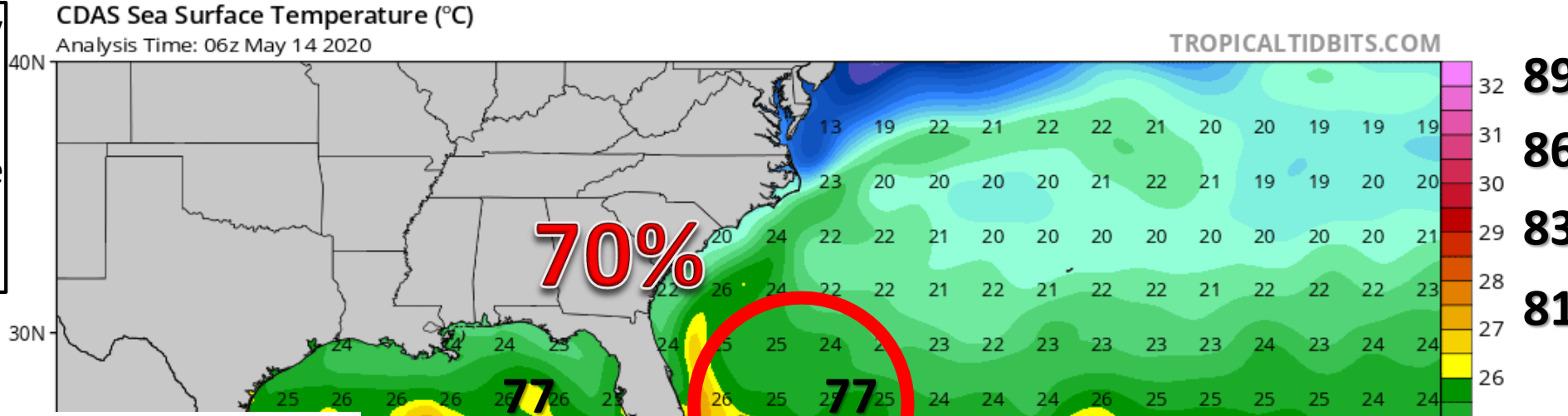
MODERATE
Shear
(Neutral)

LOW Shear
(Favorable)

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

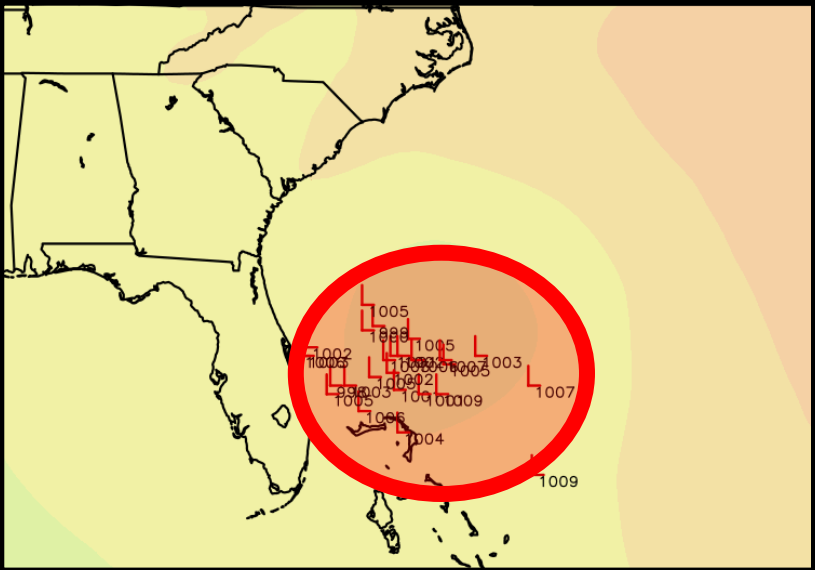
Western Atlantic Sea Surface Temperatures and Anomalies

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.

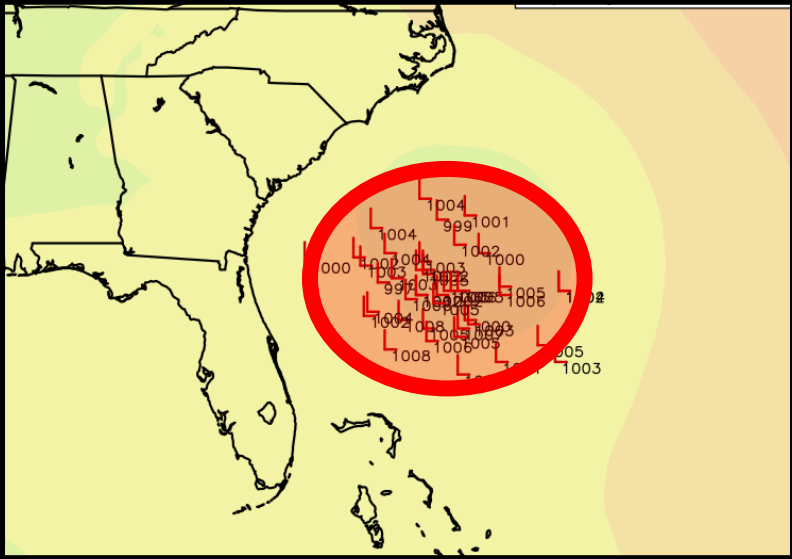


Model Ensemble Track Guidance

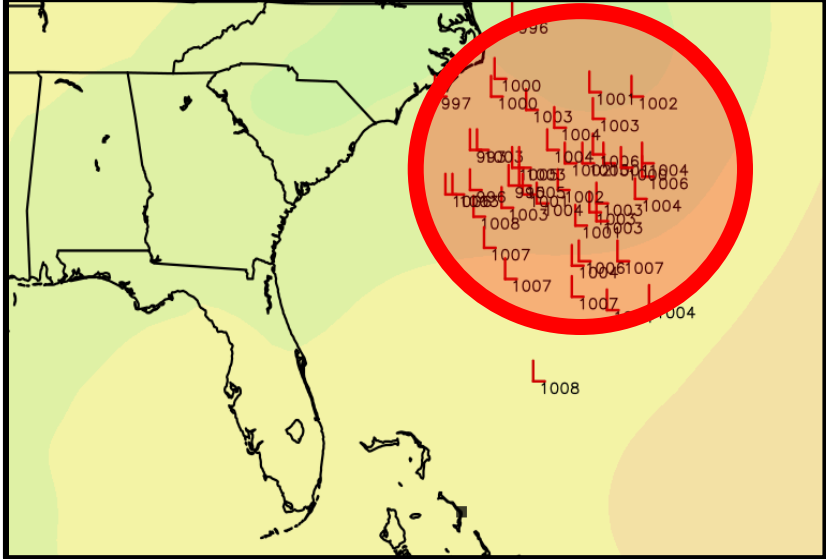
Saturday AM



Sunday AM



Monday AM

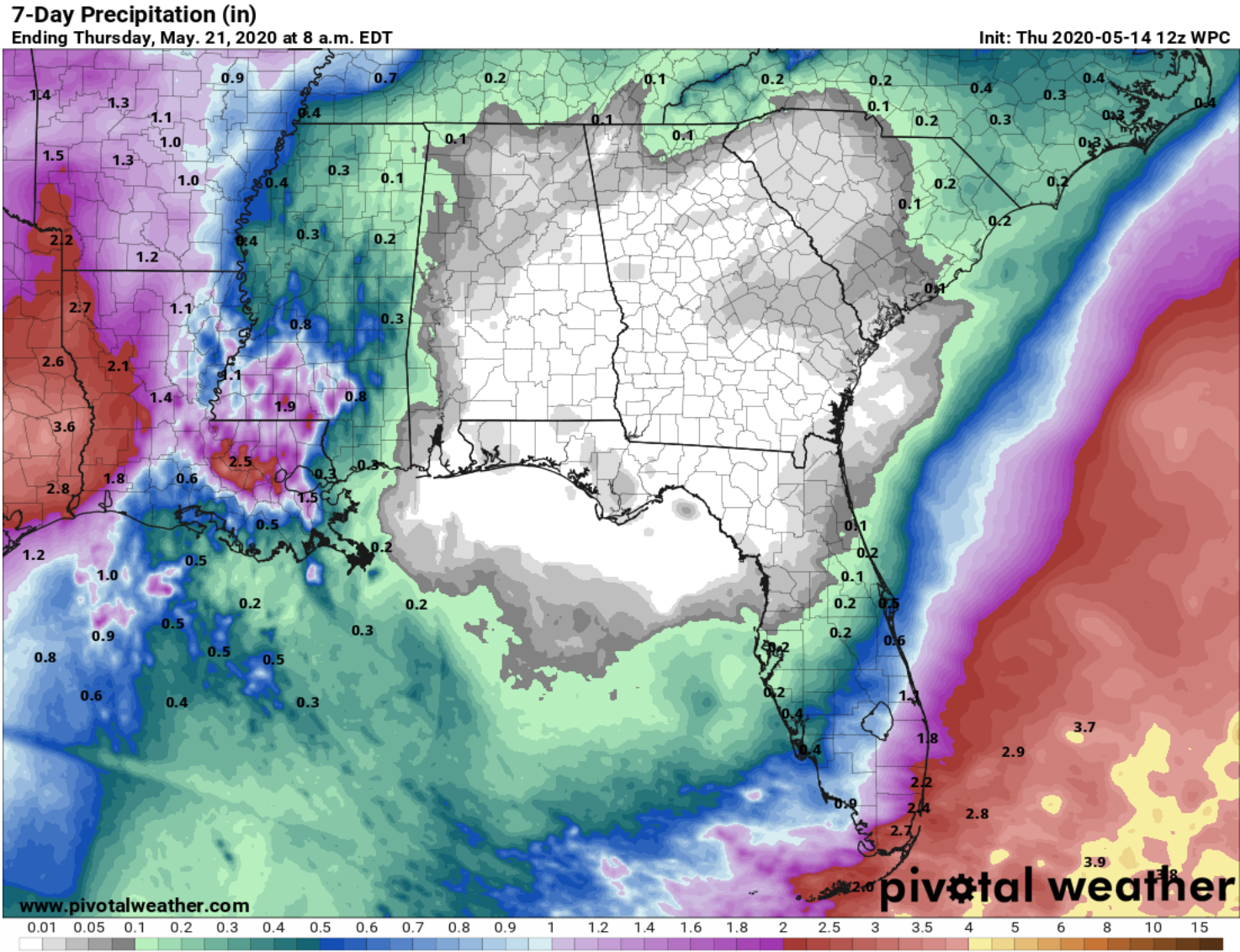


Models are in good agreement for the system's track to the northeast, away from Florida. Direct impacts to Florida are not expected.

Locally heavy rainfall is possible over the next couple days, with the greatest chance of heavy rain in Southeast Florida and the Keys. There is a Marginal Risk of flash flooding for South Florida on Friday.

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

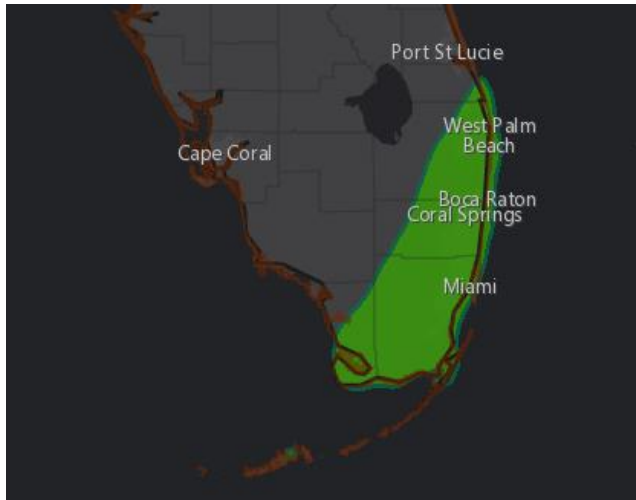
Forecast Rainfall Totals Next 7 Days



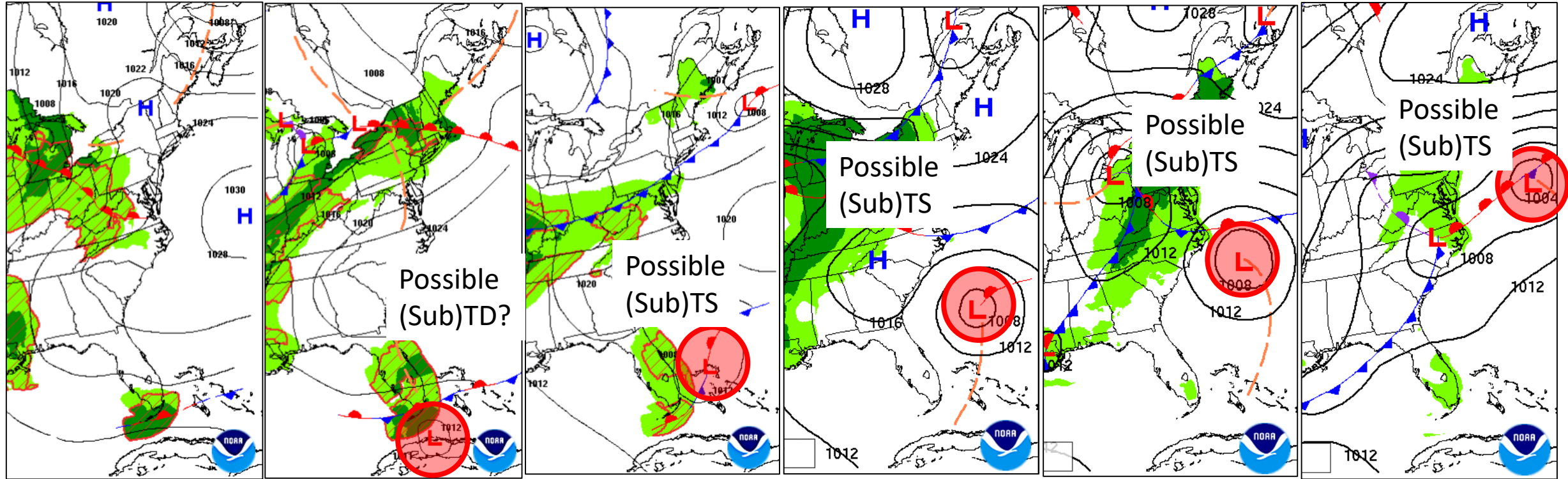
MARGINAL (MRGL)

Isolated flash floods possible

Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.



Stalled Front Keeps Elevated Rain Chances Across South Florida & Keys This Weekend



Thursday

Friday

Saturday

Sunday

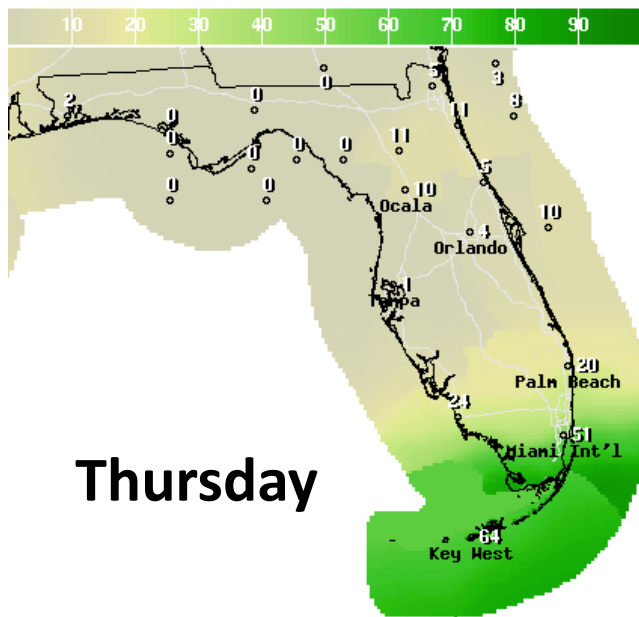
Monday

Tuesday

Rain Chances Thursday - Sunday

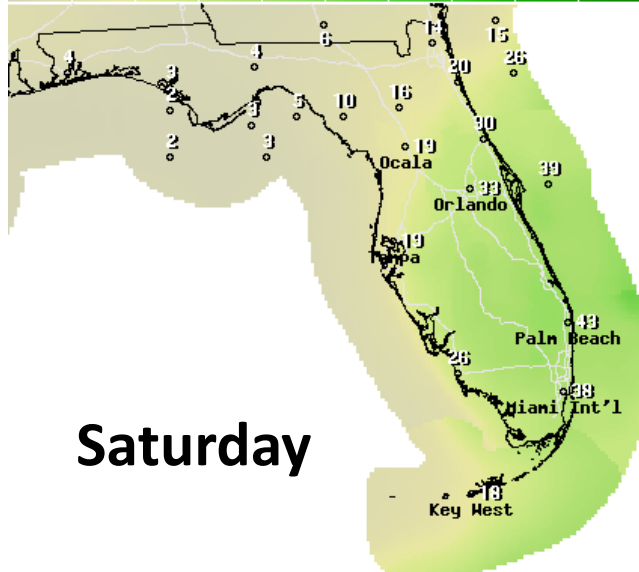
Rain chances will increase across the Peninsula through Friday, then decrease again through Sunday. The best chances for showers and thunderstorms will be along the Southeast Florida coast and in the Keys. However, scattered thunderstorms may occur in Central Florida as well.

Widespread severe weather is not expected. However, gusty winds of 40-50 mph, waterspouts, locally heavy downpours, and frequent lightning will accompany the stronger storms.



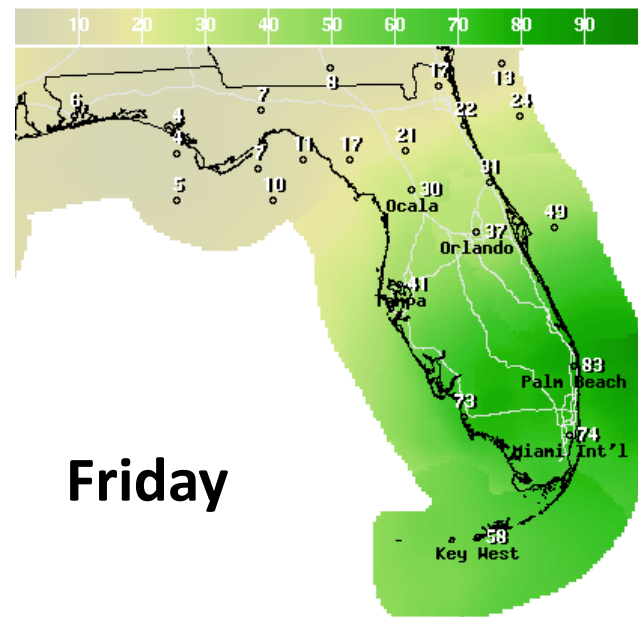
Thursday

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



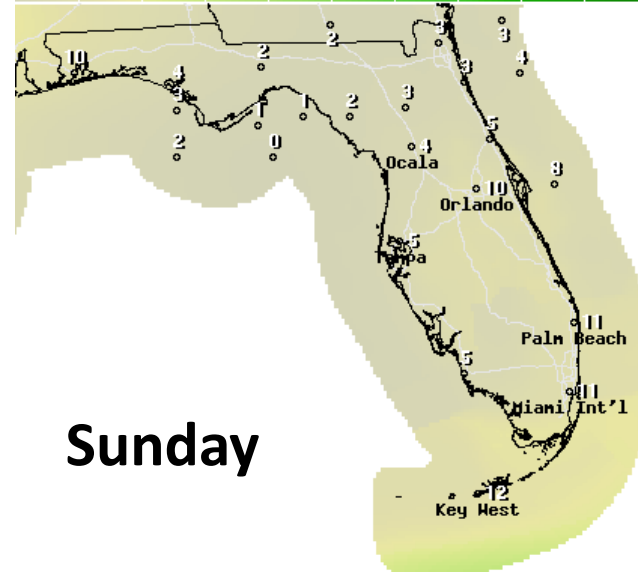
Saturday

12Hr Prob.Precip(%) Ending Sat May 16 2020 8PM EDT
(Sun May 17 2020 00Z)
National Digital Forecast Database
14z issuance Graphic created-May 14 10:20AM EDT



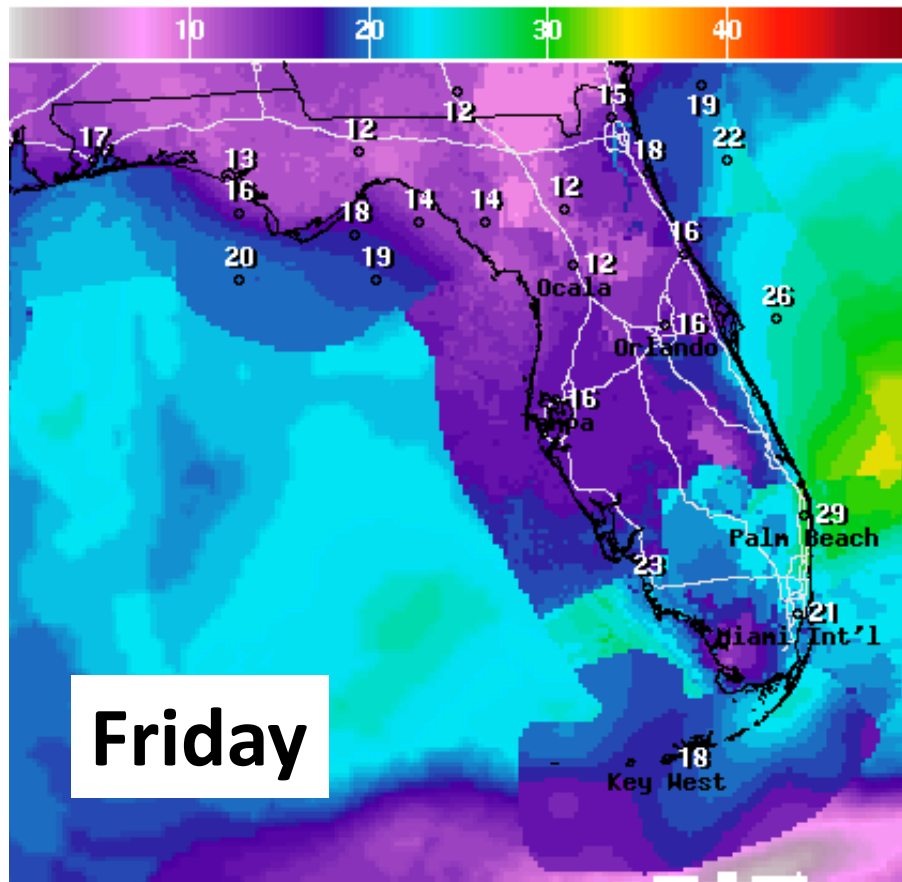
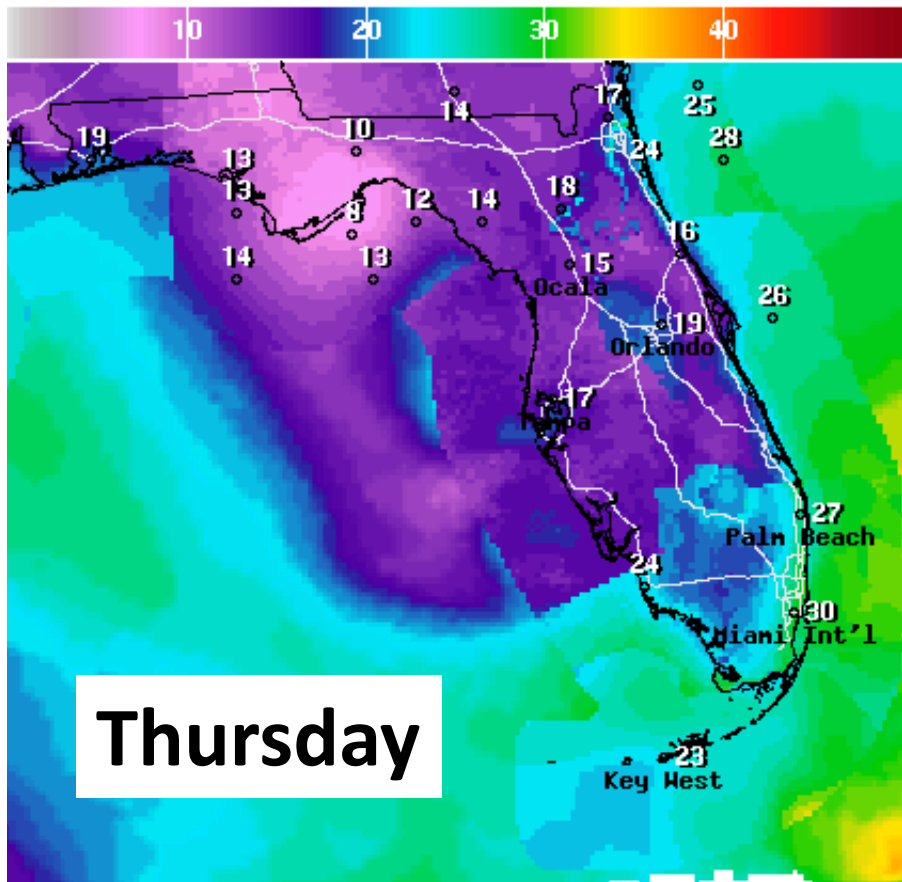
Friday

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



Sunday

12Hr Prob.Precip(%) Ending Sun May 17 2020 8PM EDT
(Mon May 18 2020 00Z)
National Digital Forecast Database
13z issuance Graphic created-May 14 9:31AM EDT



Wind Gusts Thursday & Friday

Wind Gust(Kts) Thu May 14 2020 8PM EDT
(Fri May 15 2020 00Z)



National Digital Forecast Database
12z issuance Graphic created-May 14 9:11AM EDT



Wind Gust(Kts) Fri May 15 2020 11AM EDT
(Fri May 15 2020 15Z)

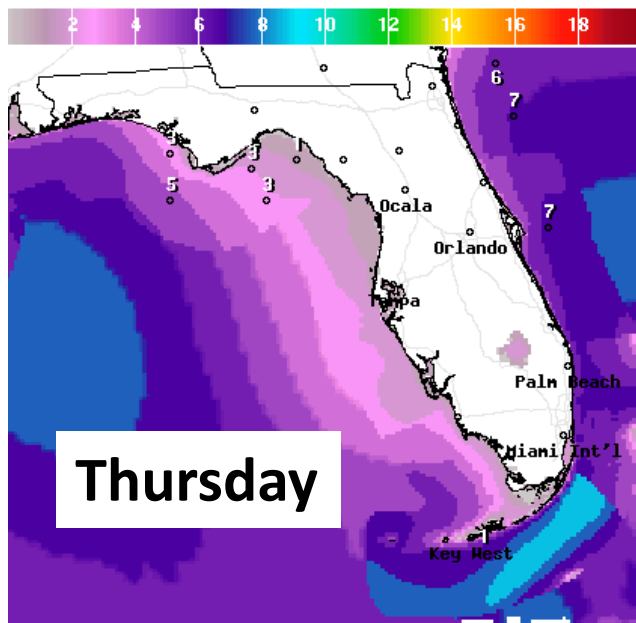


National Digital Forecast Database
12z issuance Graphic created-May 14 9:11AM EDT

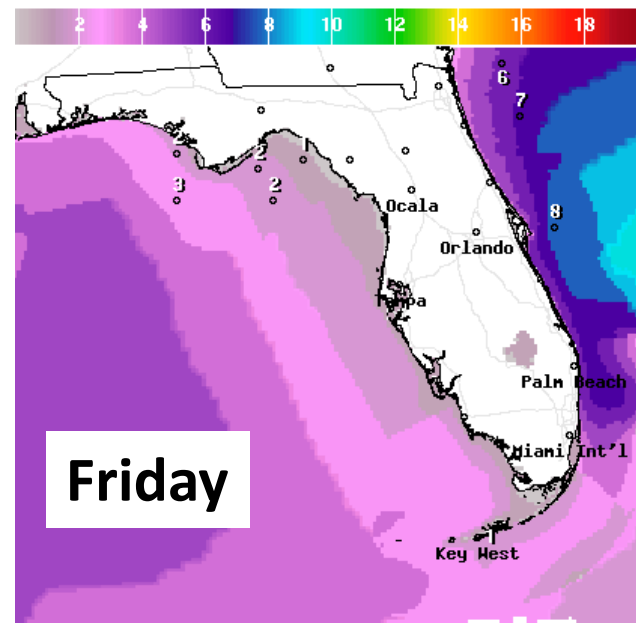


Gusty winds are also possible outside of the showers and storms. Wind gusts of 25-35 mph are possible in the Peninsula. Gusts up to 40 mph are possible in spots, particularly in coastal Southeast Florida. However, winds will gradually decrease over the weekend as the system pulls away from Florida.

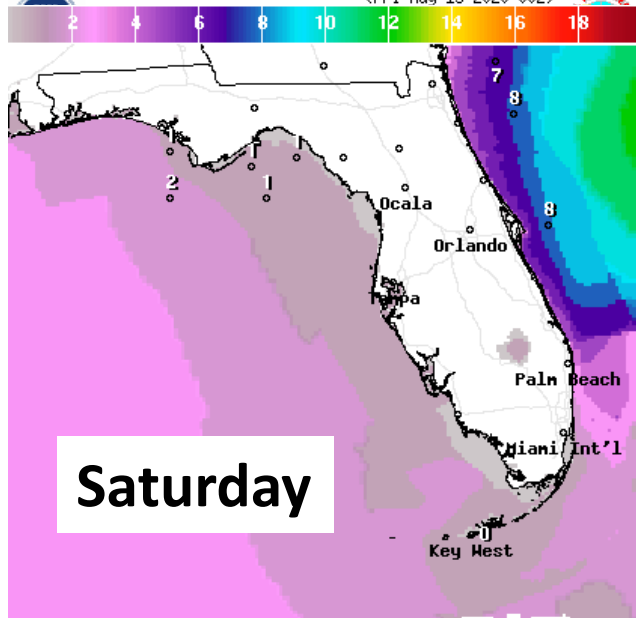
Wave Heights Thursday - Sunday



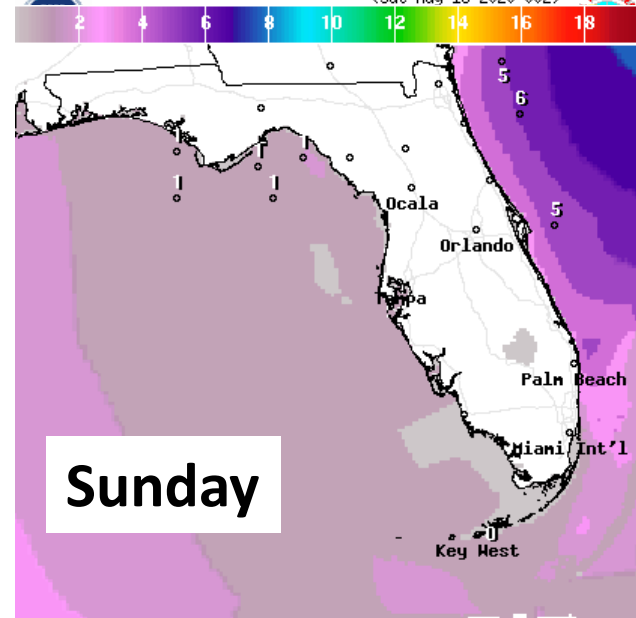
Wave Height(ft) Ending Thu May 14 2020 8PM EDT
(Fri May 15 2020 00Z)



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 Friday 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 40% (medium) 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 continue to increase over the Peninsula through Friday before tapering this weekend.
- 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.
- Windy conditions are possible outside of thunderstorms—gusts of 25-40 mph possible in the Peninsula.
- The rip current risk will likely remain high at Atlantic beaches into this weekend.

The next tropics packet will be issued Friday morning. If significant changes occur with this afternoon's outlook, then another packet will be issued this afternoon. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



Created by:

Cameron Young, Assistant State Meteorologist

Cameron.Young@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

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