



TROPICAL UPDATE

11 AM EDT

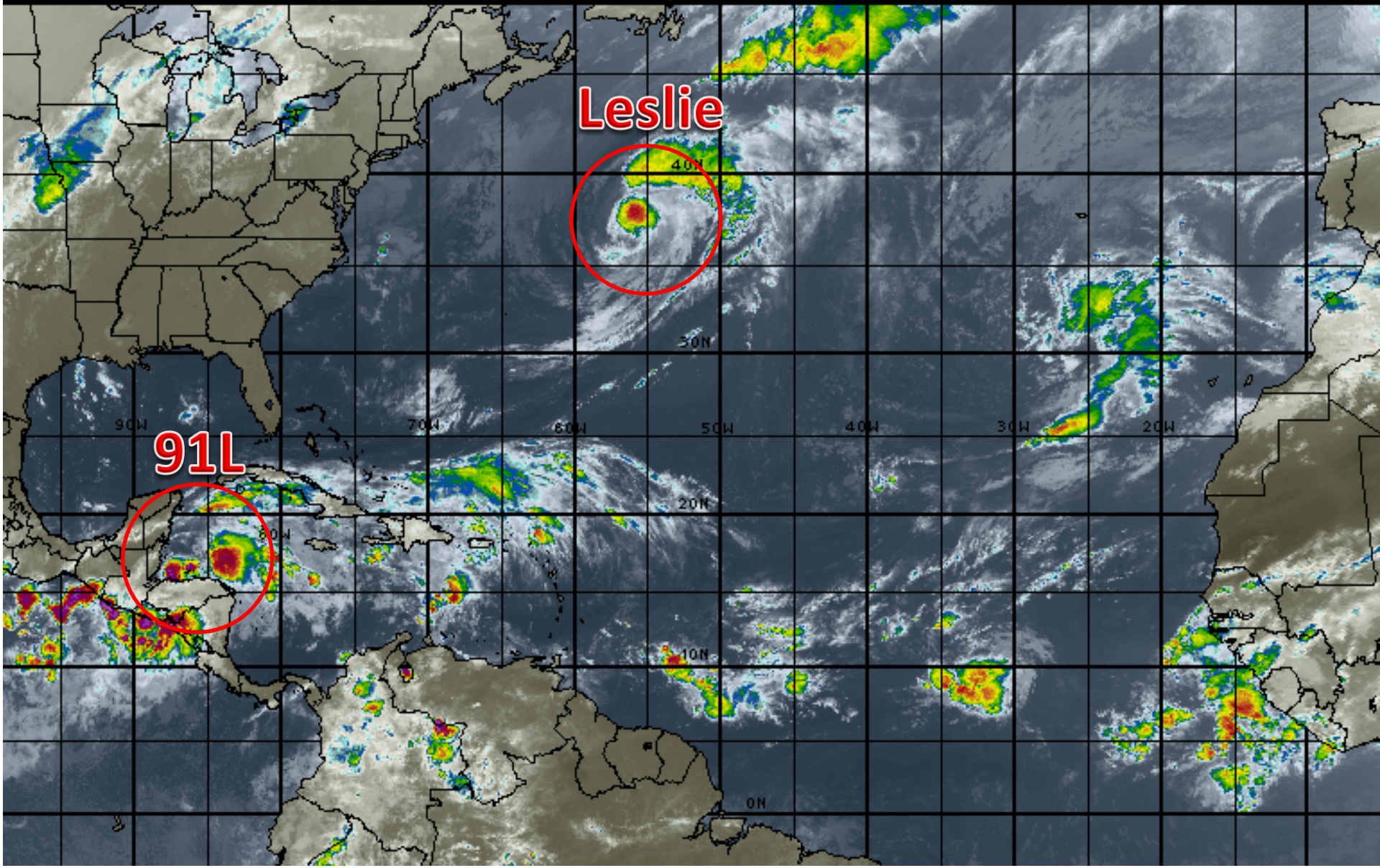
Saturday, October 6, 2018

Tropical Storm Leslie, Invest 91L (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.nhc.noaa.gov.

Atlantic Basin Satellite Image

12:00 06-OCT-2018 GMT Copyright © 1998-2018 WSI Corporation <http://www.wsi.com>





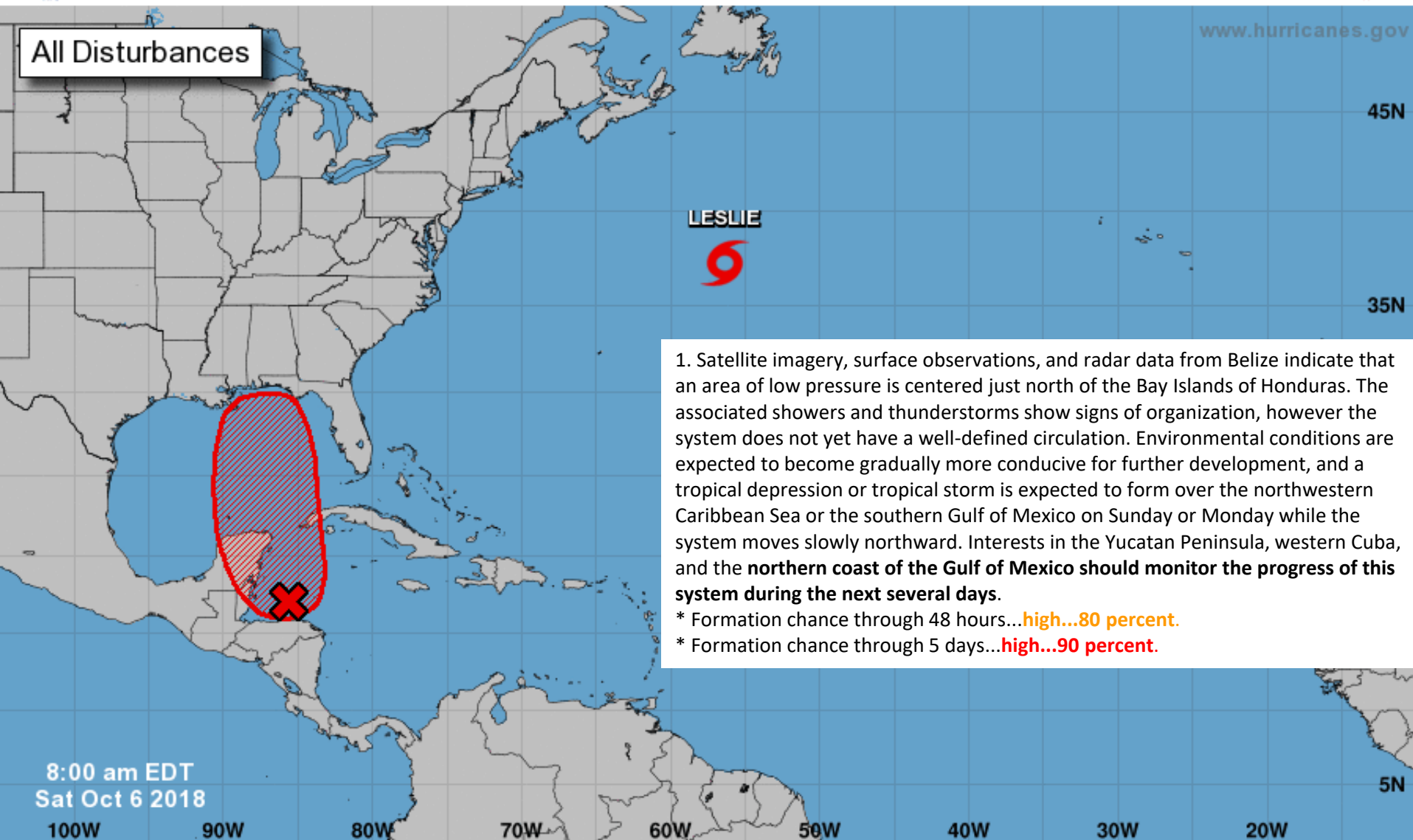
Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

All Disturbances



1. Satellite imagery, surface observations, and radar data from Belize indicate that an area of low pressure is centered just north of the Bay Islands of Honduras. The associated showers and thunderstorms show signs of organization, however the system does not yet have a well-defined circulation. Environmental conditions are expected to become gradually more conducive for further development, and a tropical depression or tropical storm is expected to form over the northwestern Caribbean Sea or the southern Gulf of Mexico on Sunday or Monday while the system moves slowly northward. Interests in the Yucatan Peninsula, western Cuba, and the **northern coast of the Gulf of Mexico should monitor the progress of this system during the next several days.**

* Formation chance through 48 hours...**high...80 percent.**

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

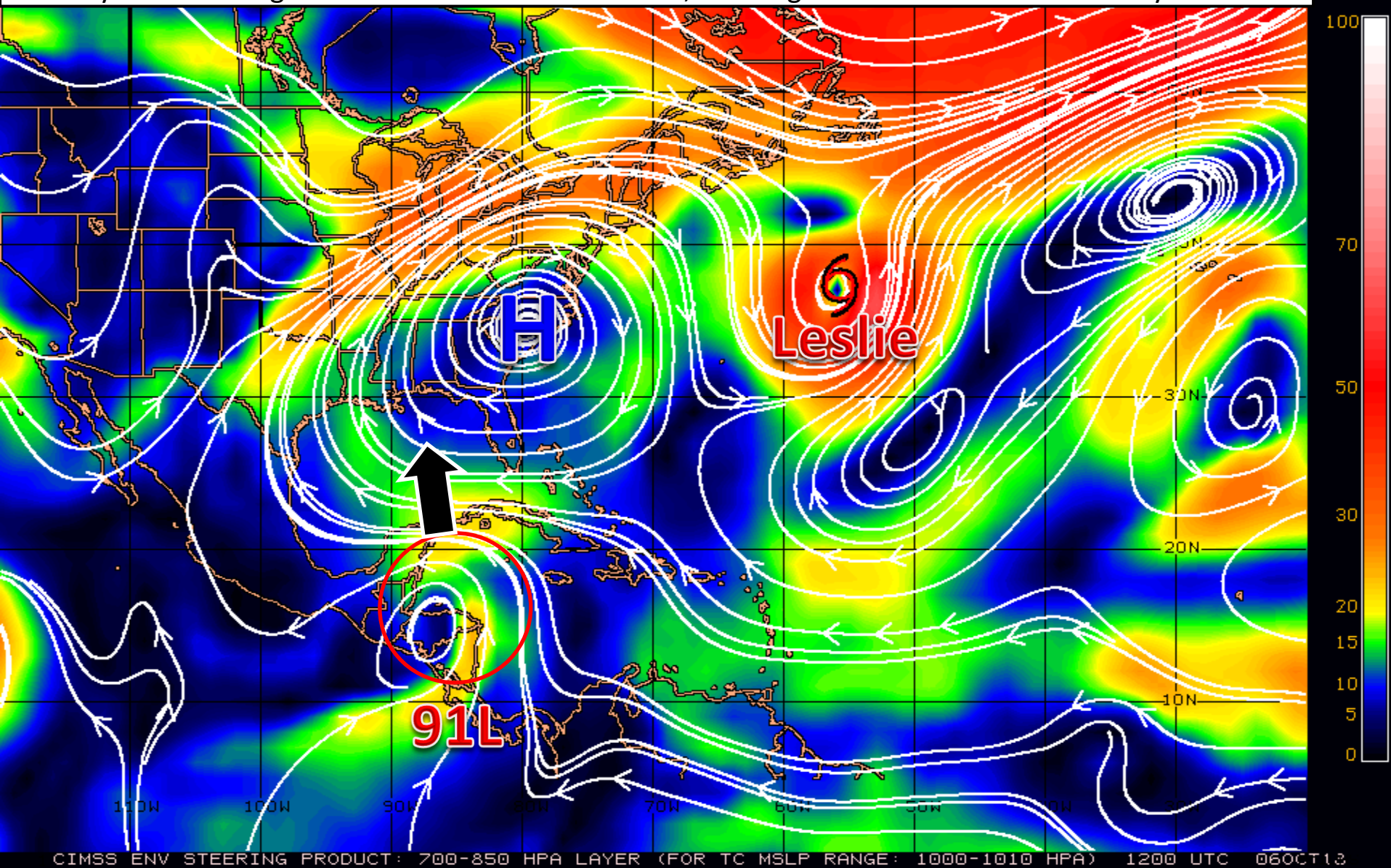
Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

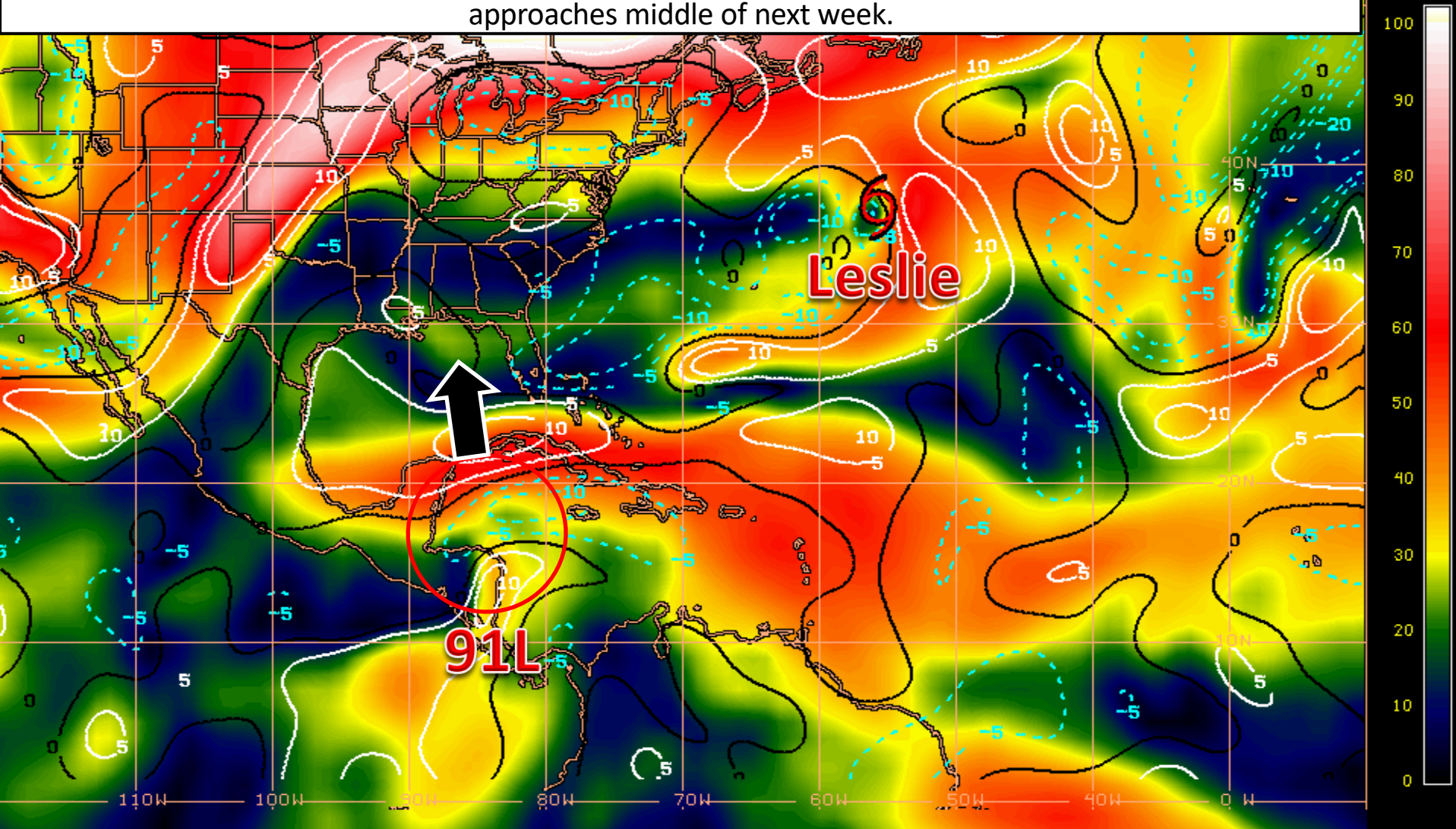
Steering Pattern

91L is currently being blocked by a large area of high pressure which will result in little movement over the next day or so. The high will weaken and shift eastward, allowing 91L to move northward early next week.



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

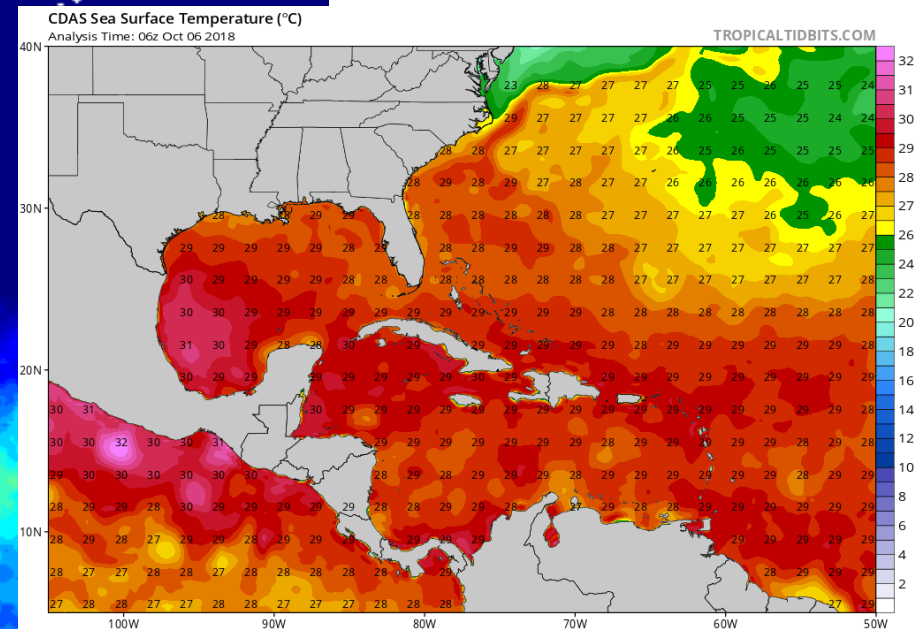
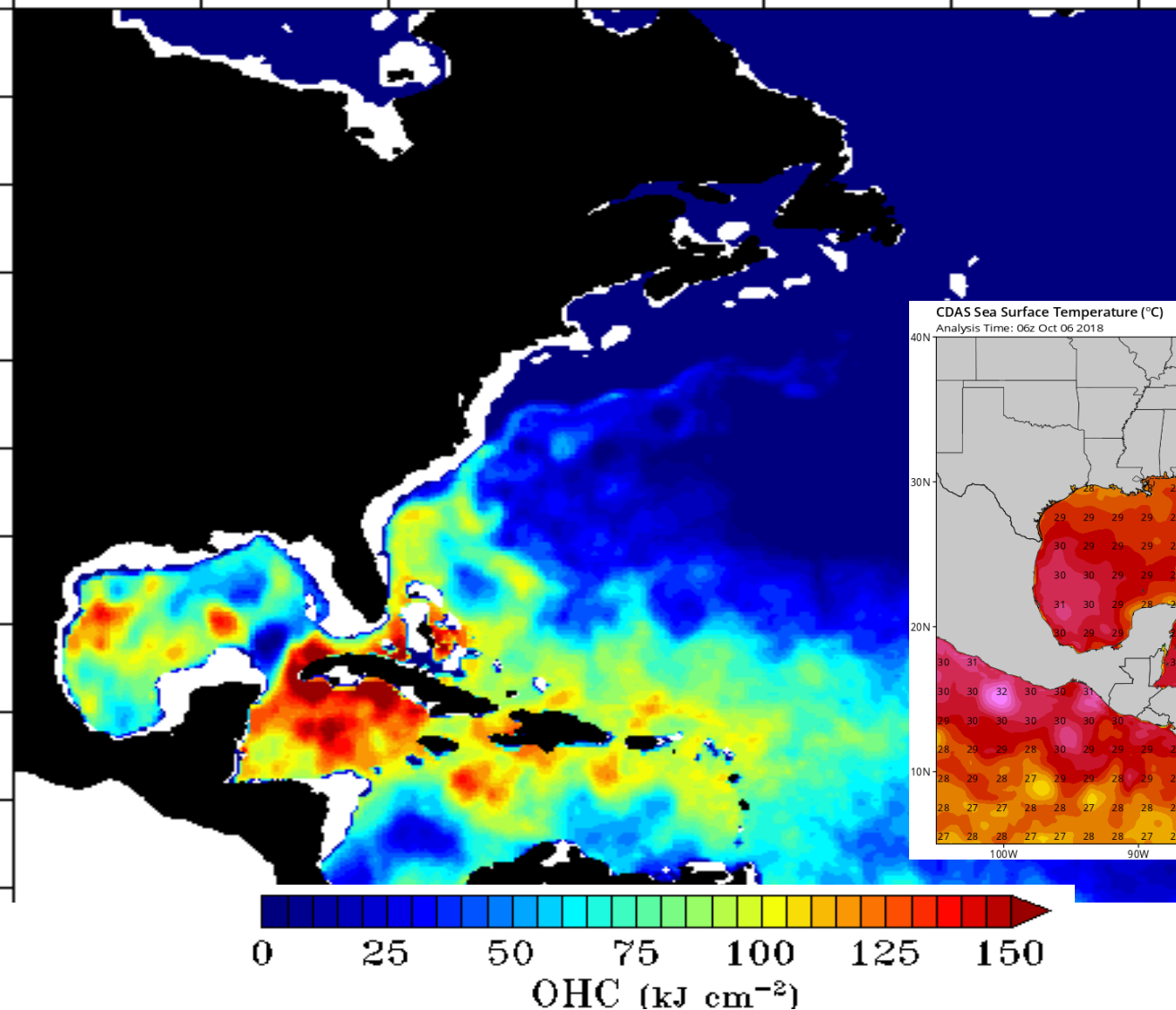
Strong wind shear in the northwestern Caribbean and Yucatan Channel will prohibit any rapid development over the next day or two. Wind shear will relax a bit in the Gulf of Mexico until a cold front approaches middle of next week.



Current Sea Temperatures and Ocean Heat Content

Ocean Heat Content: 10/06/2018

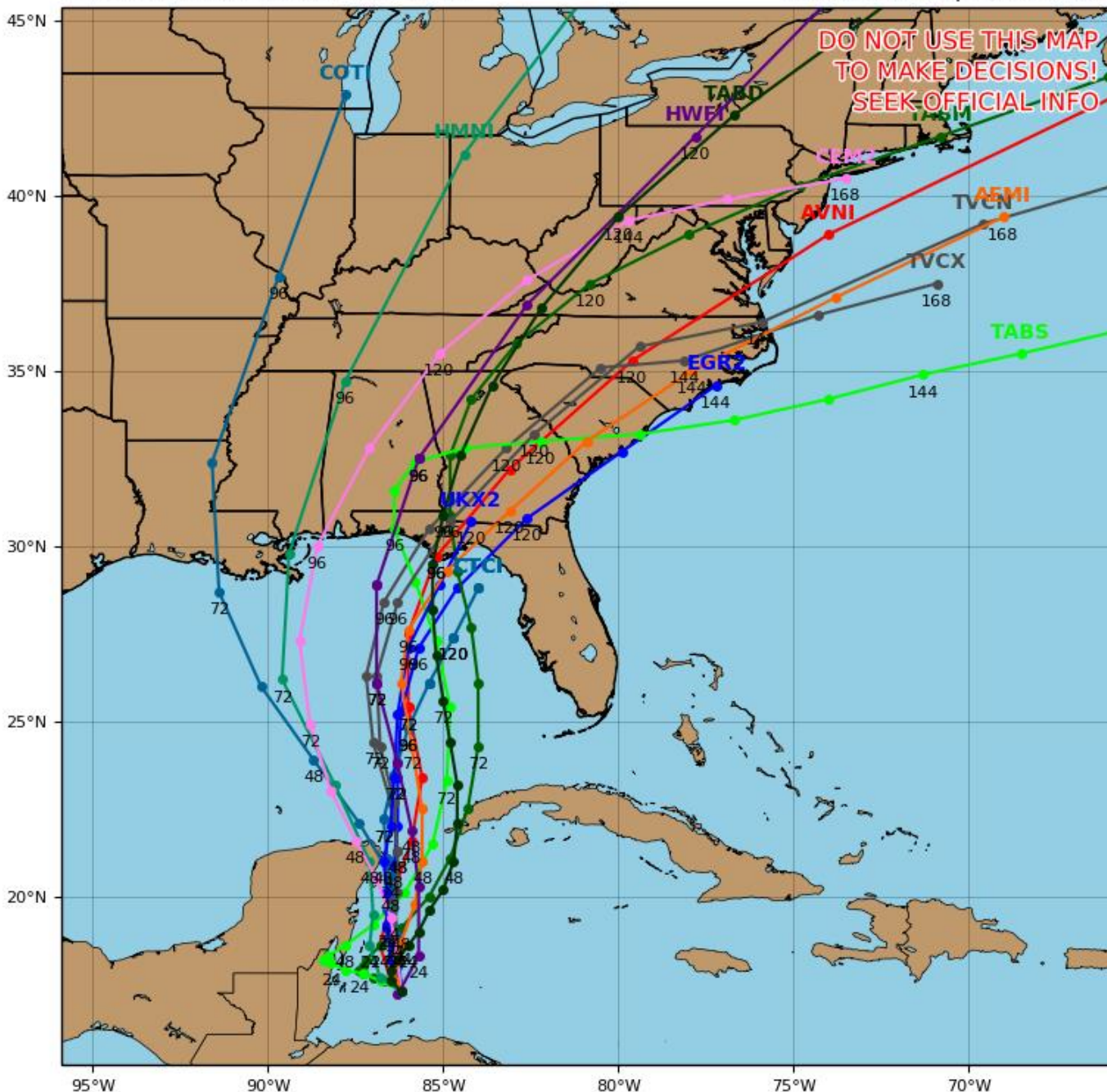
Ocean temperatures and the depth of warm water (heat content) is sufficient for development in the Caribbean and central Gulf.



Invest 91L Model Track Guidance

Initialized at 12z Oct 06 2018

Levi Cowan - tropicaltidbits.com

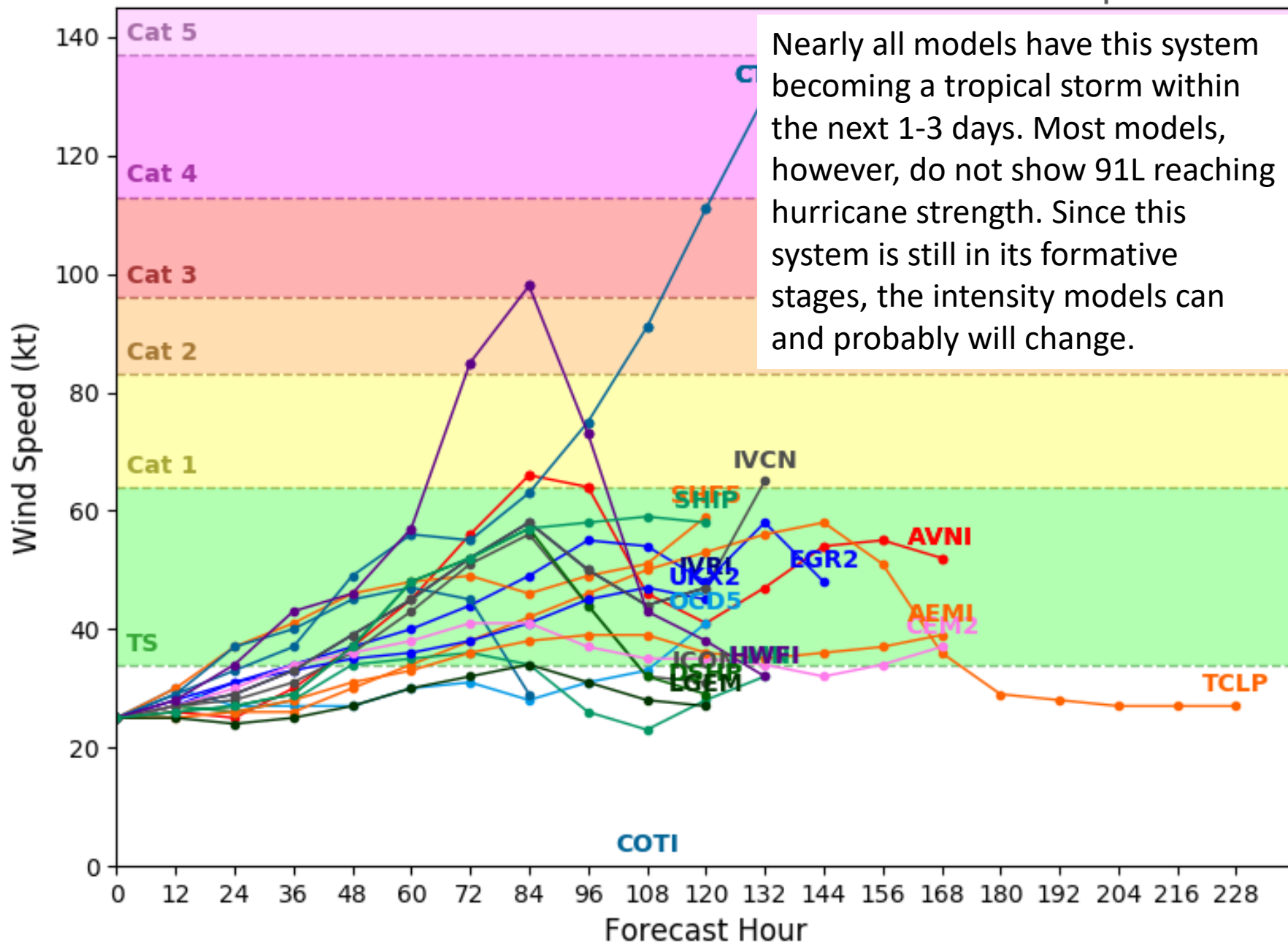


Current Model Tracks

91L will not move much over the next 24 hours. In 2-3 days, 91L will emerge into the southern Gulf of Mexico and approach the northern Gulf Coast during the middle part of next week (Wed./Thu.). With the system still early in its development, the models will continue to shift either east or west.

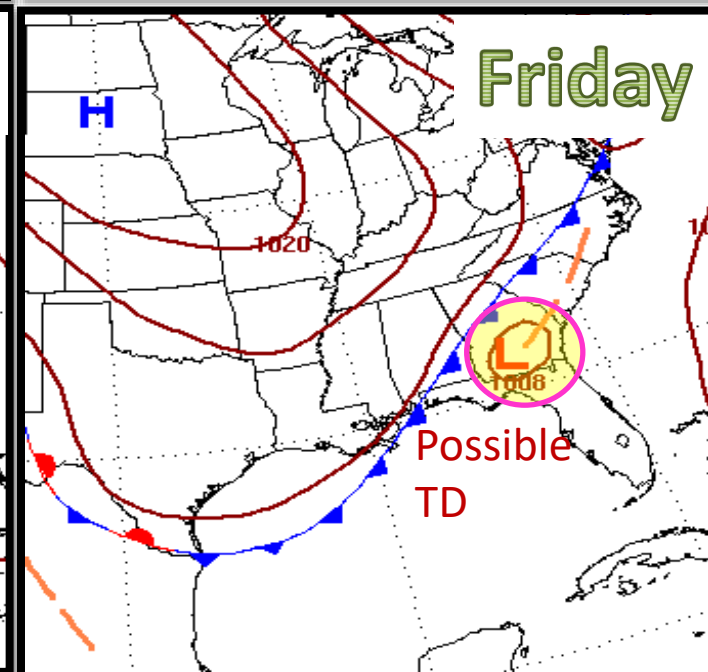
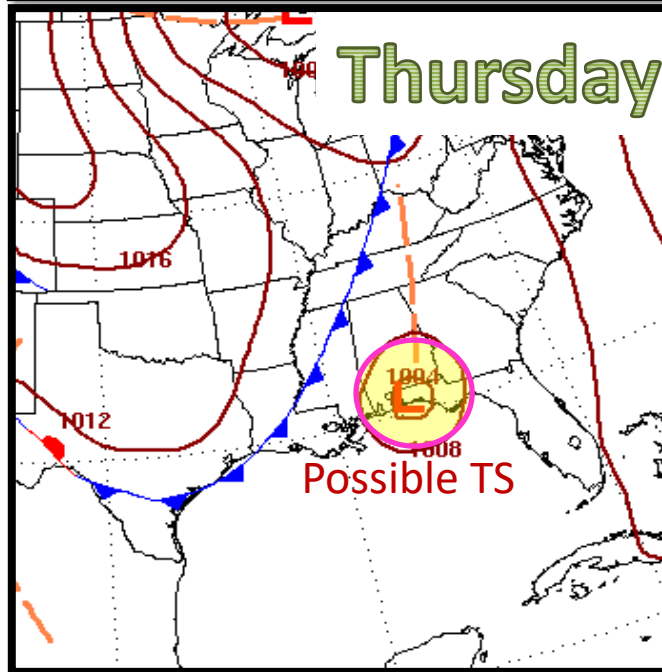
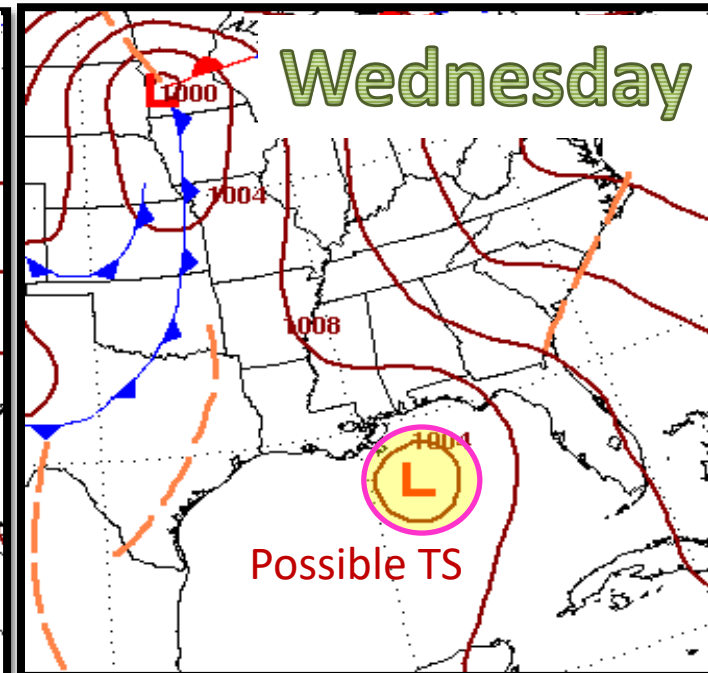
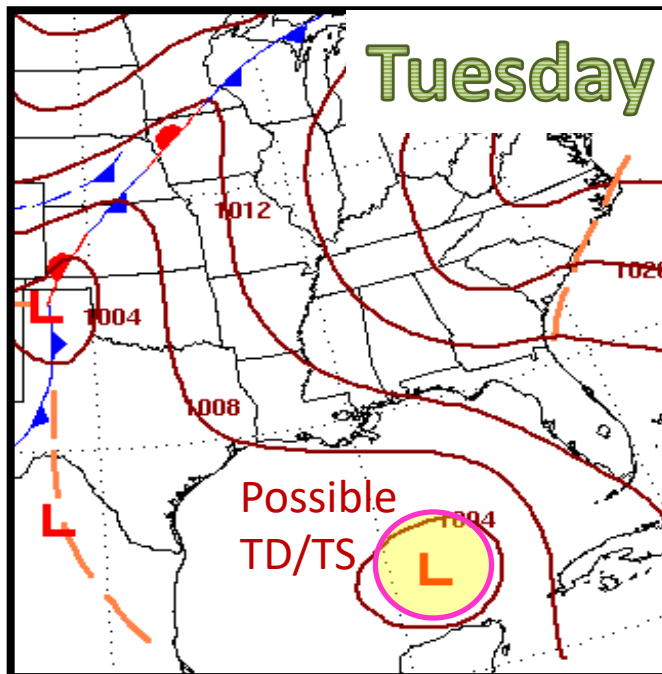
Initialized at 12z Oct 06 2018

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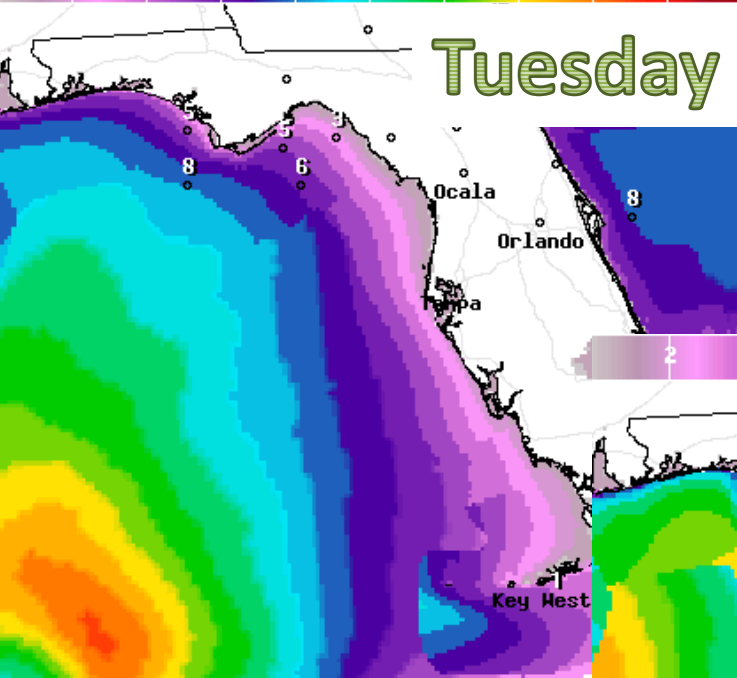
WPC Forecast Weather Map (fronts)

Invest 91L will move into the southern Gulf of Mexico by Monday or Tuesday. Based on WPC's forecast, whatever become of 91L will approach the northern Gulf Coast on Wednesday with a potential landfall Wednesday night or Thursday. However, do not focus on the exact timing and position of 91L on these maps. The timing of the cold front and the speed of 91L will have implications on the track forecast. The forecast can and probably will change over the next couple days.



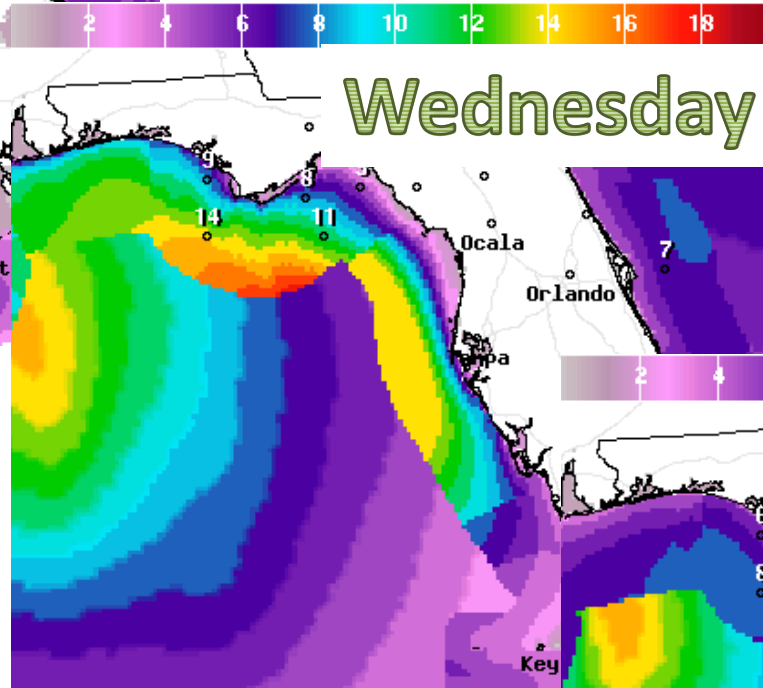


Tuesday

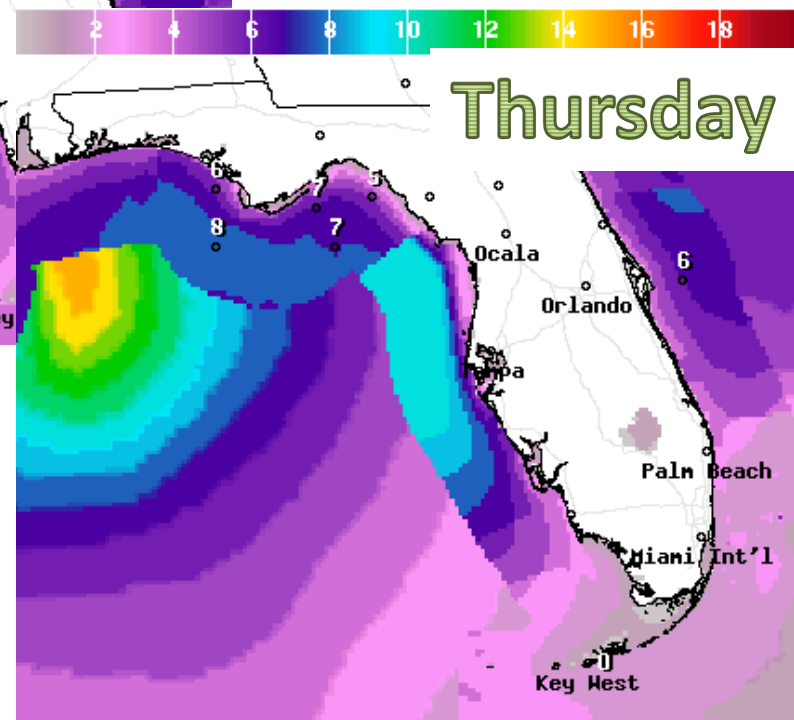


Forecast Wave Heights

Wednesday



Thursday



Regardless of track, ocean swells will increase the rip current threat along the Panhandle coast and West Coast next week. Any coastal flooding potential will depend on the intensity of the system.

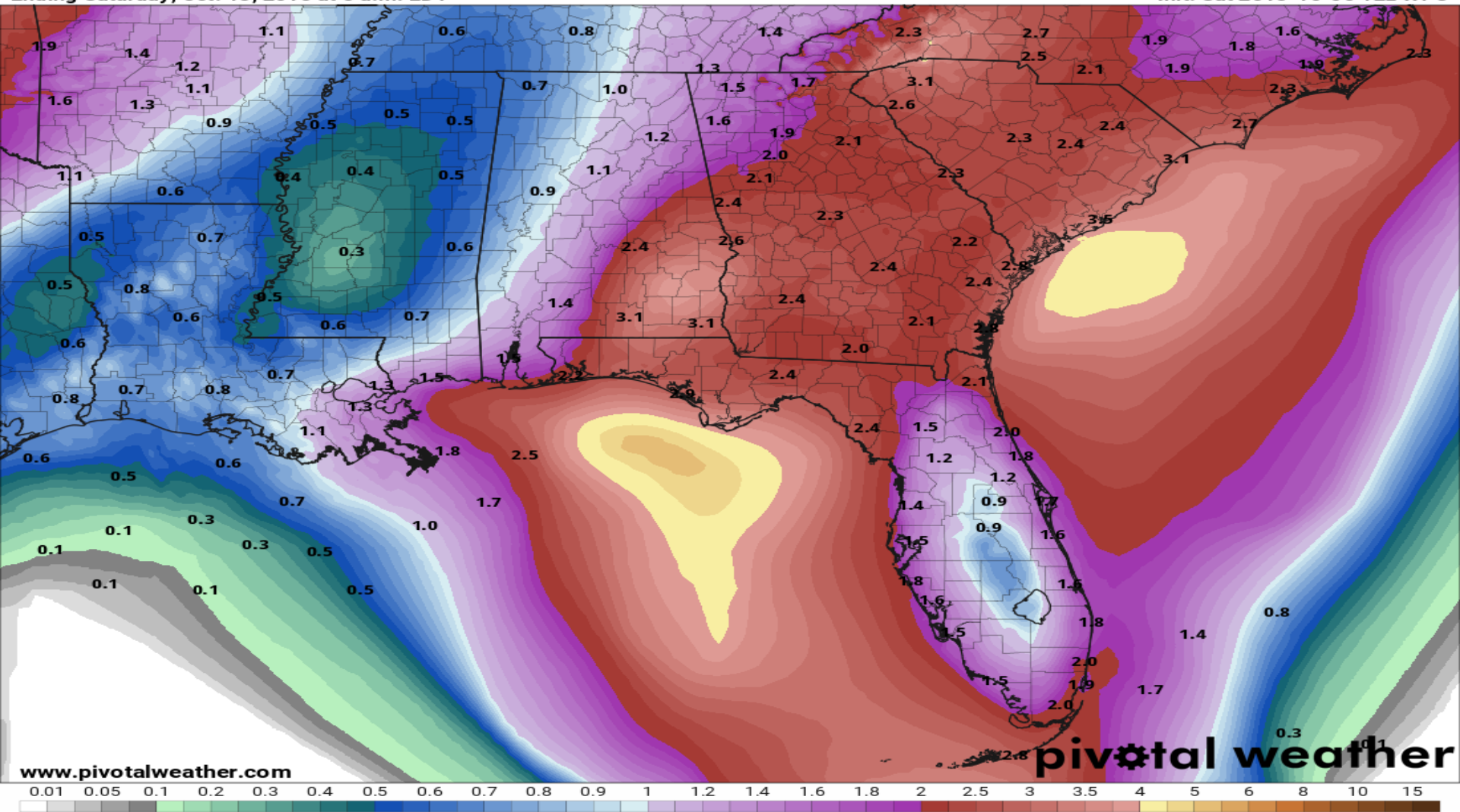
Forecast Cumulative Rain Totals – Next 7 Days

Actual rain totals will be dependent on the strength and forward speed of the system and does not account for isolated higher totals. However, most rainfall will be on the east side of its eventual track.

7-Day Precipitation (in)

Ending Saturday, Oct. 13, 2018 at 8 a.m. EDT

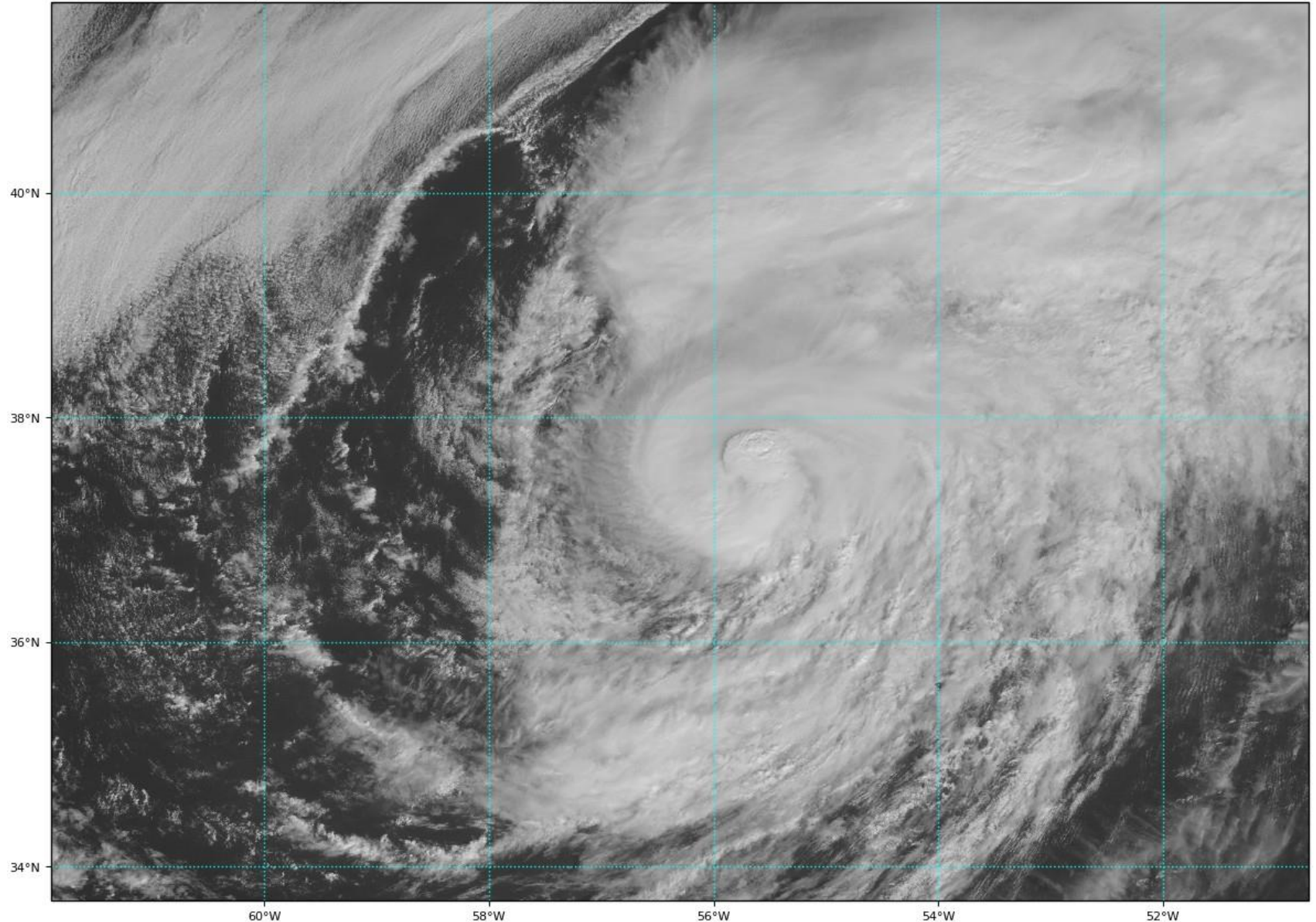
Init: Sat 2018-10-06 12z WPC



Tropical Storm Leslie Satellite Image

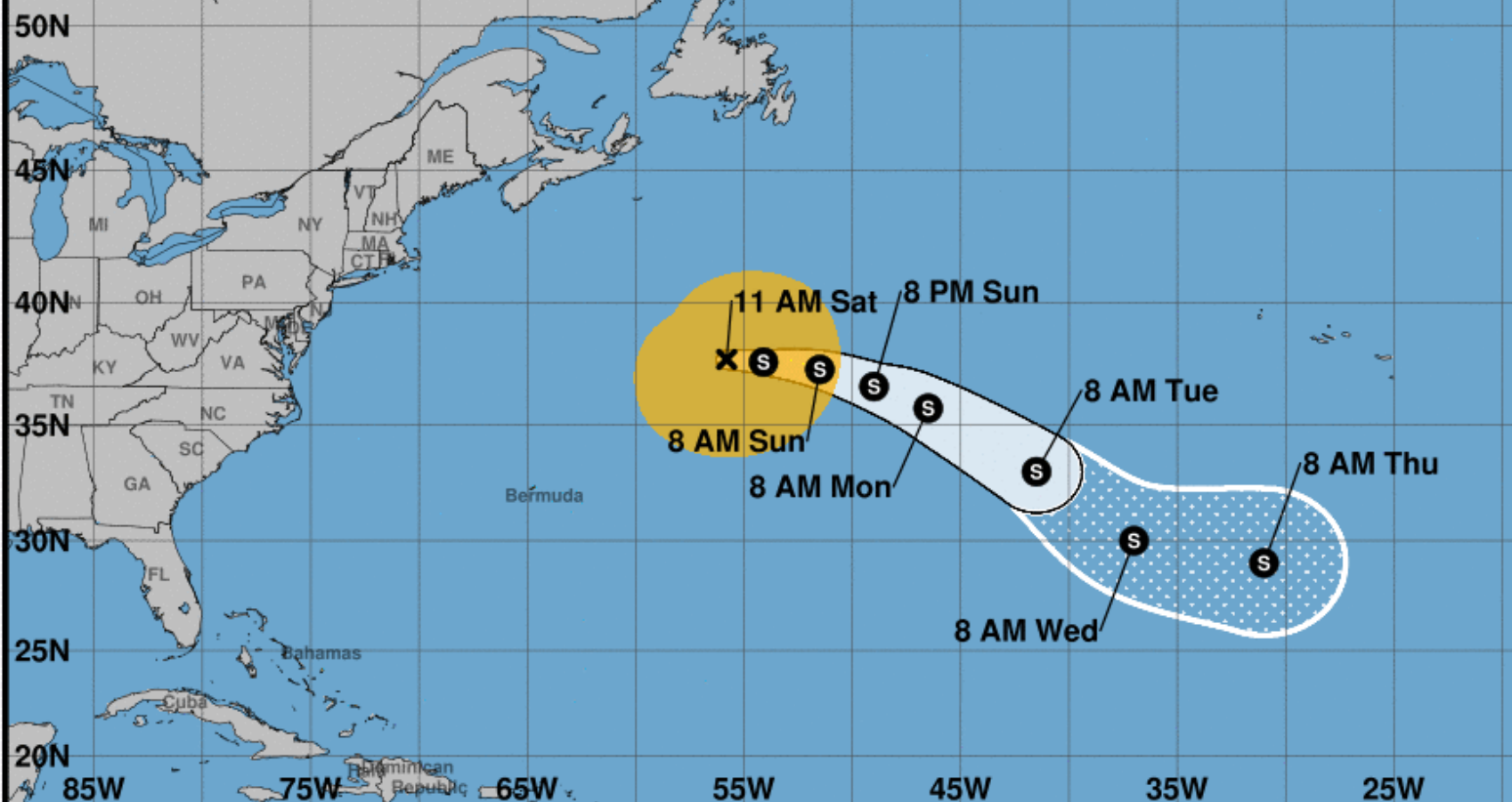
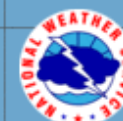
GOES-16 Channel 2 (visible) Reflectance at 14:05Z Oct 06, 2018

TROPICALTIDBITS.COM





Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



Tropical Storm Leslie

Saturday October 06, 2018

11 AM AST Advisory 41

NWS National Hurricane Center

Current information: x

Center location 37.7 N 55.8 W

Maximum sustained wind 60 mph

Movement E at 9 mph

Forecast positions:

● Tropical Cyclone ○ Post/Potential TC

Sustained winds: D < 39 mph

S 39-73 mph H 74-110 mph M > 110 mph

Potential track area:

Day 1-3 Day 4-5

Watches:

Hurricane Trop Stm

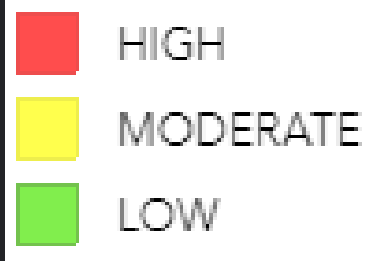
Warnings:

Hurricane Trop Stm

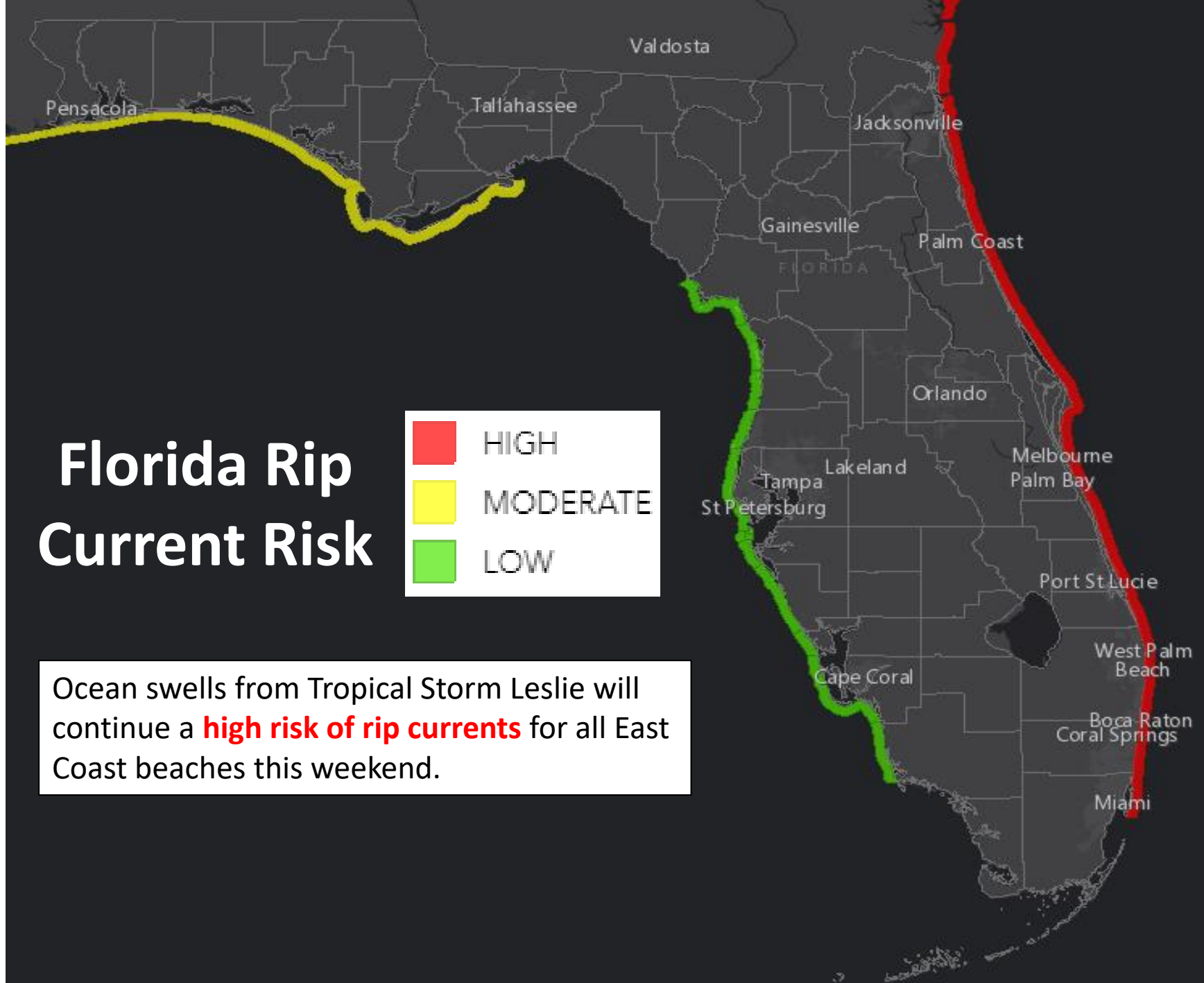
Current wind extent:

Hurricane Trop Stm

Florida Rip Current Risk



Ocean swells from Tropical Storm Leslie will continue a **high risk of rip currents** for all East Coast beaches this weekend.



Summary

Tropical Storm Leslie:

- At 11 AM EDT Friday, Tropical Storm Leslie was located about 465 miles northeast of Bermuda.
- Maximum sustained winds are near 60 mph, and some slight weakening is expected over the next couple days. Leslie could re-strengthen during the middle of next week.
- Leslie has made its eastward turn and is now moving east at 9 mph. Leslie will turn east-southeast or southeast and accelerate through the middle of next week.

Invest 91L

- An area of low pressure (Invest 91L) near the northern coast of Honduras is producing a somewhat organized area of showers and thunderstorms, but it lacks a well-defined closed center.
- Strong wind shear just to the north will prevent any significant development over the next 24 hours, but gradual organization is expected Sunday into next week
- The odds for development are 80% (high) in the next 48 hours, and 90% (high) over the next 5 days, and a tropical depression or tropical storm may form Sunday or Monday in the northwestern Caribbean or southern Gulf of Mexico.
- Its future once it emerges into the Gulf of Mexico remains uncertain both in terms of track and intensity, especially due to its interaction with a cold front as it nears the Gulf Coast. However, a landfall somewhere on the northern Gulf Coast will likely occur Wednesday or Thursday.
- The next name on the list is "Michael."

Florida Outlook:

- Tropical Storm Leslie is producing a large area of long-period swells that will impact the East Coast of Florida for the next few days, resulting in a high risk of rip currents along all Atlantic beaches.
- It is still too early to determine what exact impacts can be expected to Florida from the low in the Caribbean due to uncertainty both in track and intensity.
- Regardless of development, an increase in swells and rip current risks will be possible along the Florida Panhandle and West Coast next week.
- Rain will be focused on the east side of the track, and some locally heavy rainfall could be possible for the Panhandle and West Coast depending on where 91L ultimately heads.

Another briefing packet will be issued Saturday afternoon. 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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