



TROPICAL UPDATE



5 PM EDT

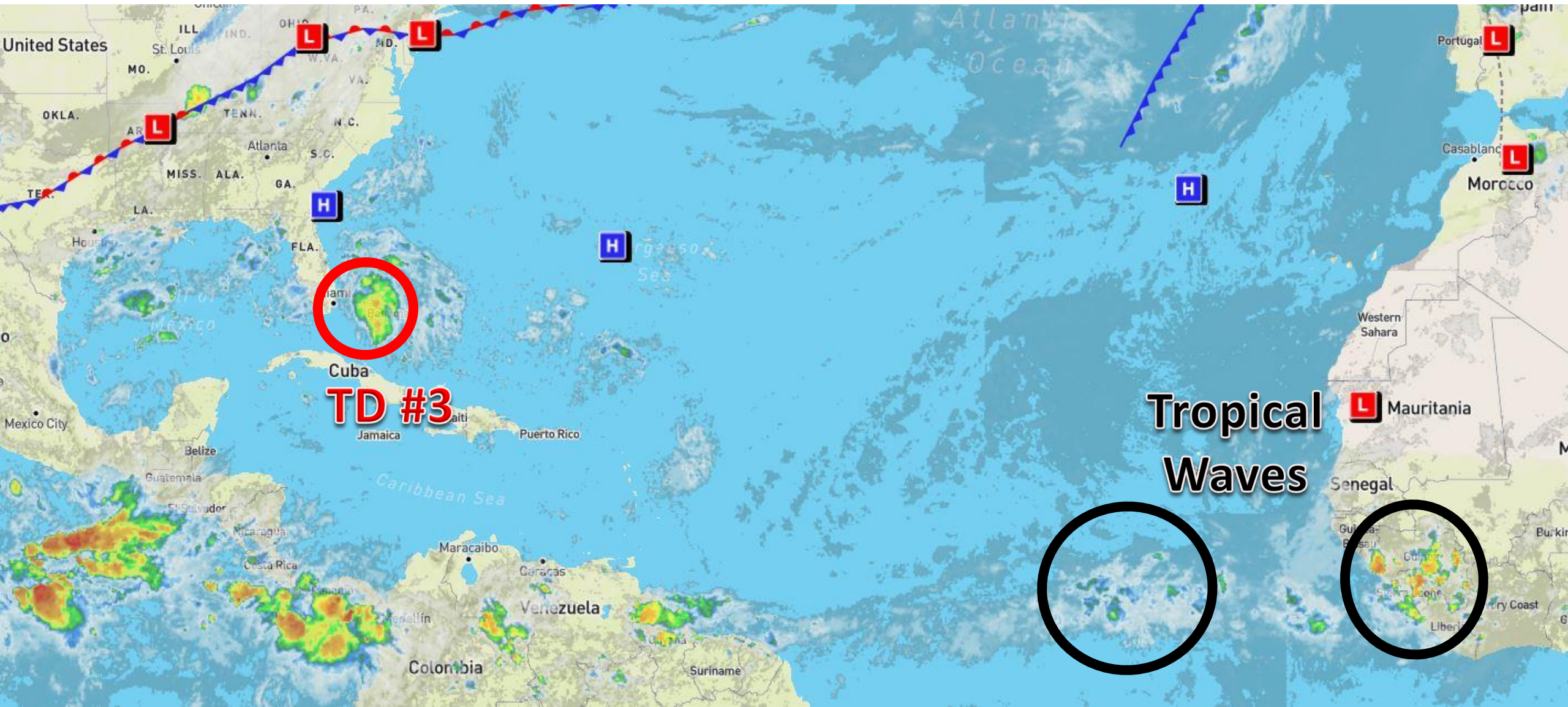
Monday, July 22, 2019

Tropical Depression #3

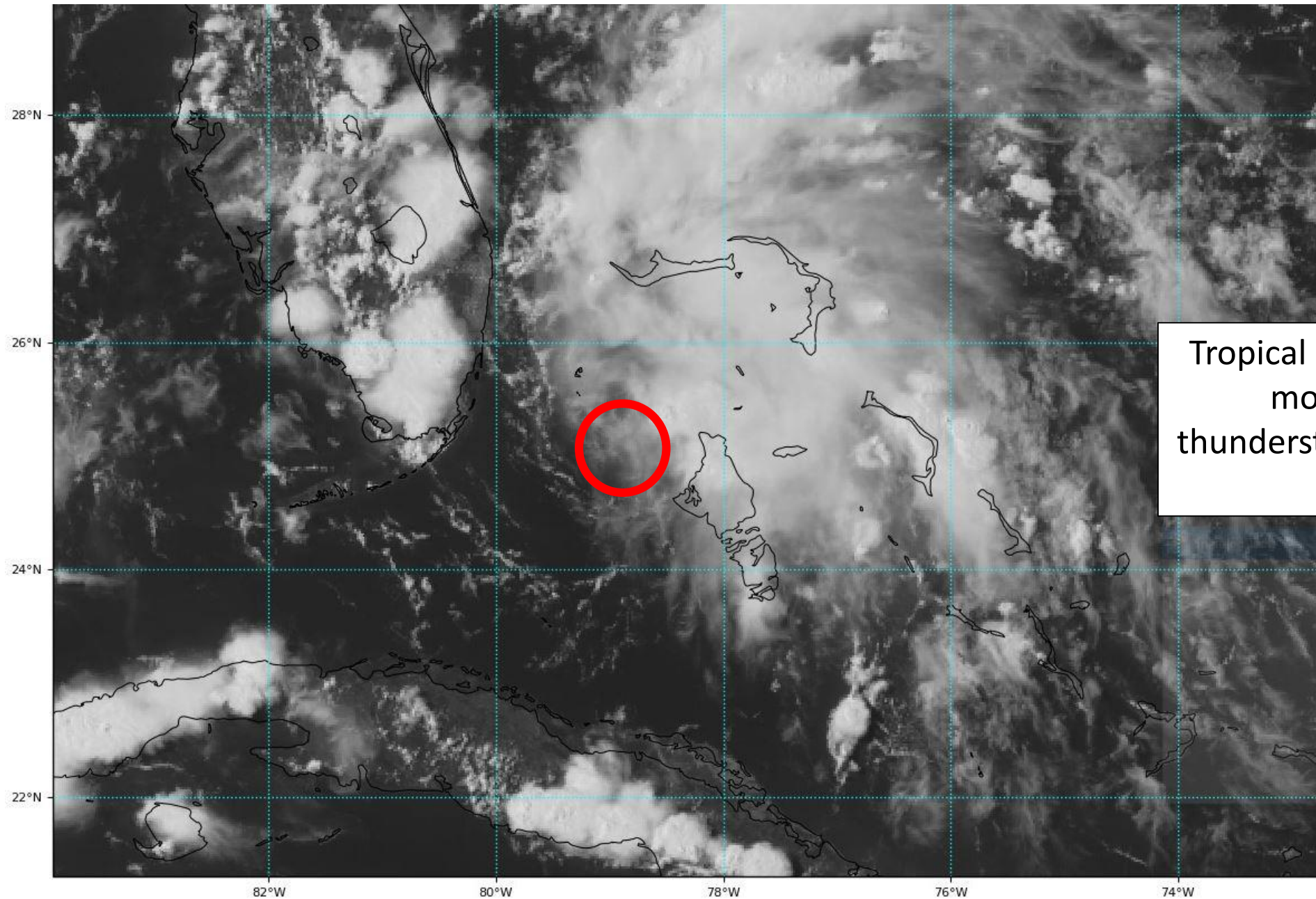
This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an 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

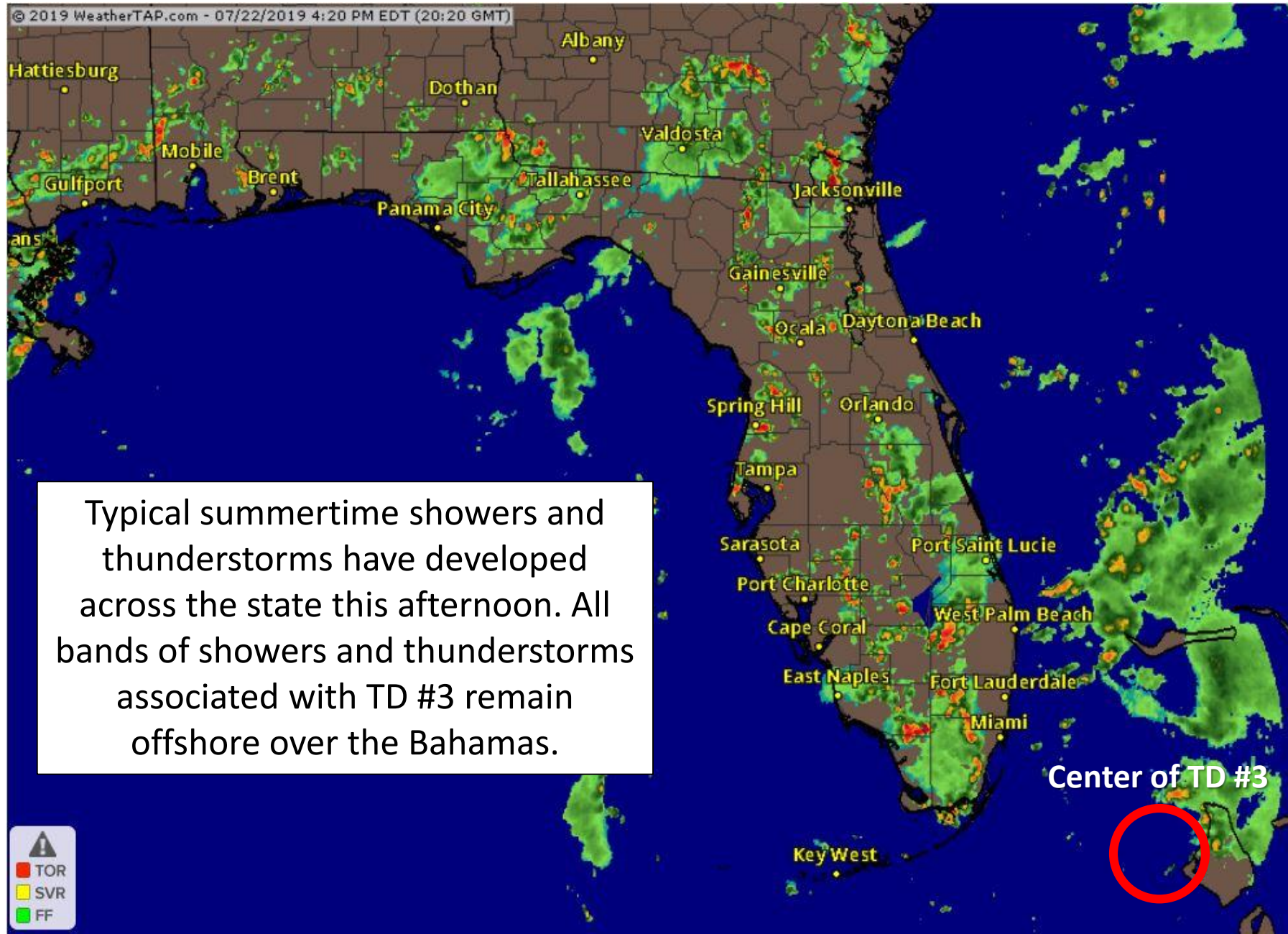
Chance of development: — None — Low — Medium — High



TD #3 Satellite Image



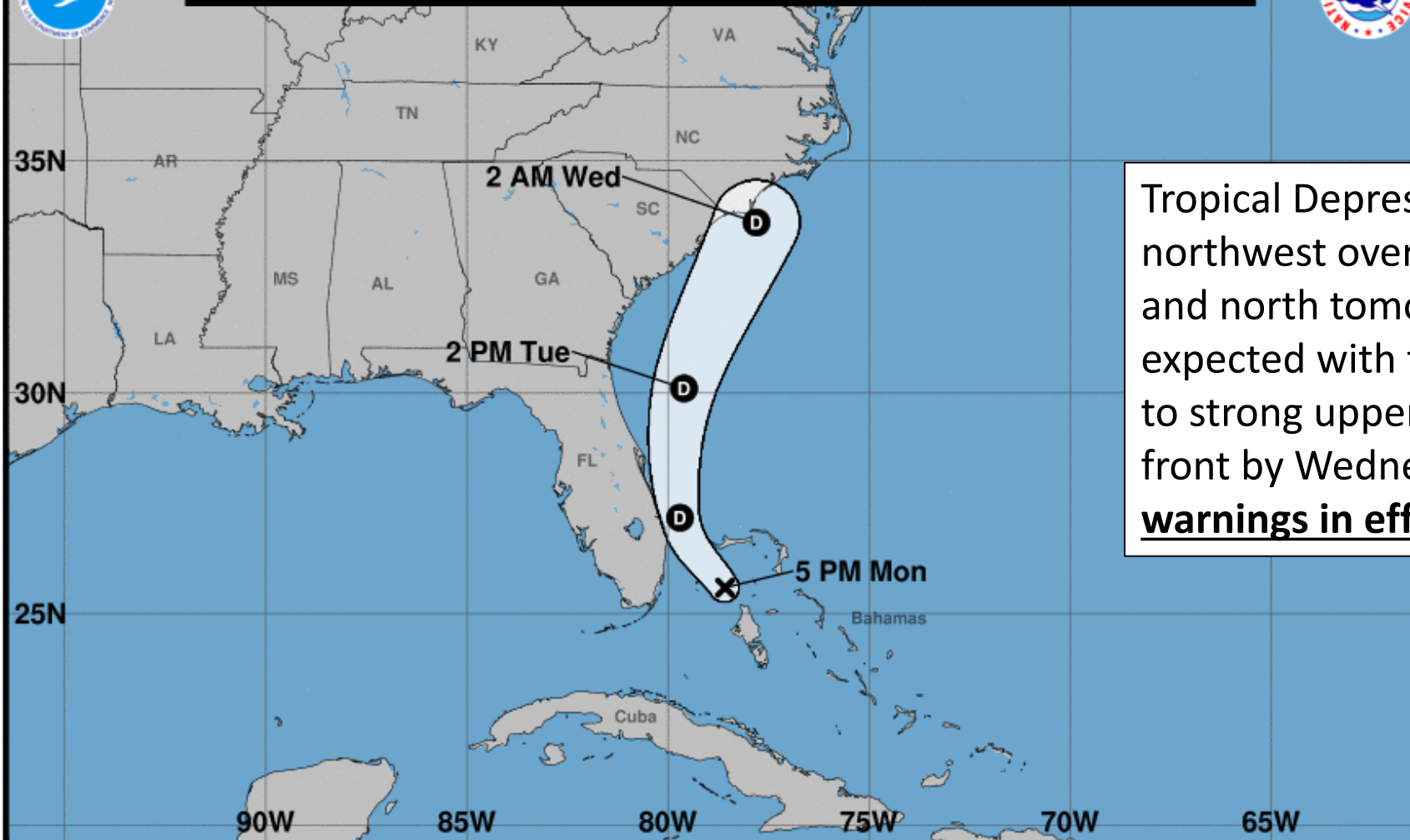
Tropical Depression #3 is small with most of the showers and thunderstorms on the north and east side of the system.



Florida Radar (As of 4:20 PM EDT)



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 Depression #3 will continue west-northwest overnight before turning northwest and north tomorrow. Little change in strength is expected with this system before it dissipates due to strong upper-level winds from a nearby cold front by Wednesday. **There are no watches or warnings in effect.**

Tropical Depression Three

Monday July 22, 2019

5 PM EDT Advisory 1

NWS National Hurricane Center

Current information: x

Center location 25.6 N 78.6 W

Maximum sustained wind 30 mph

Movement NW at 13 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

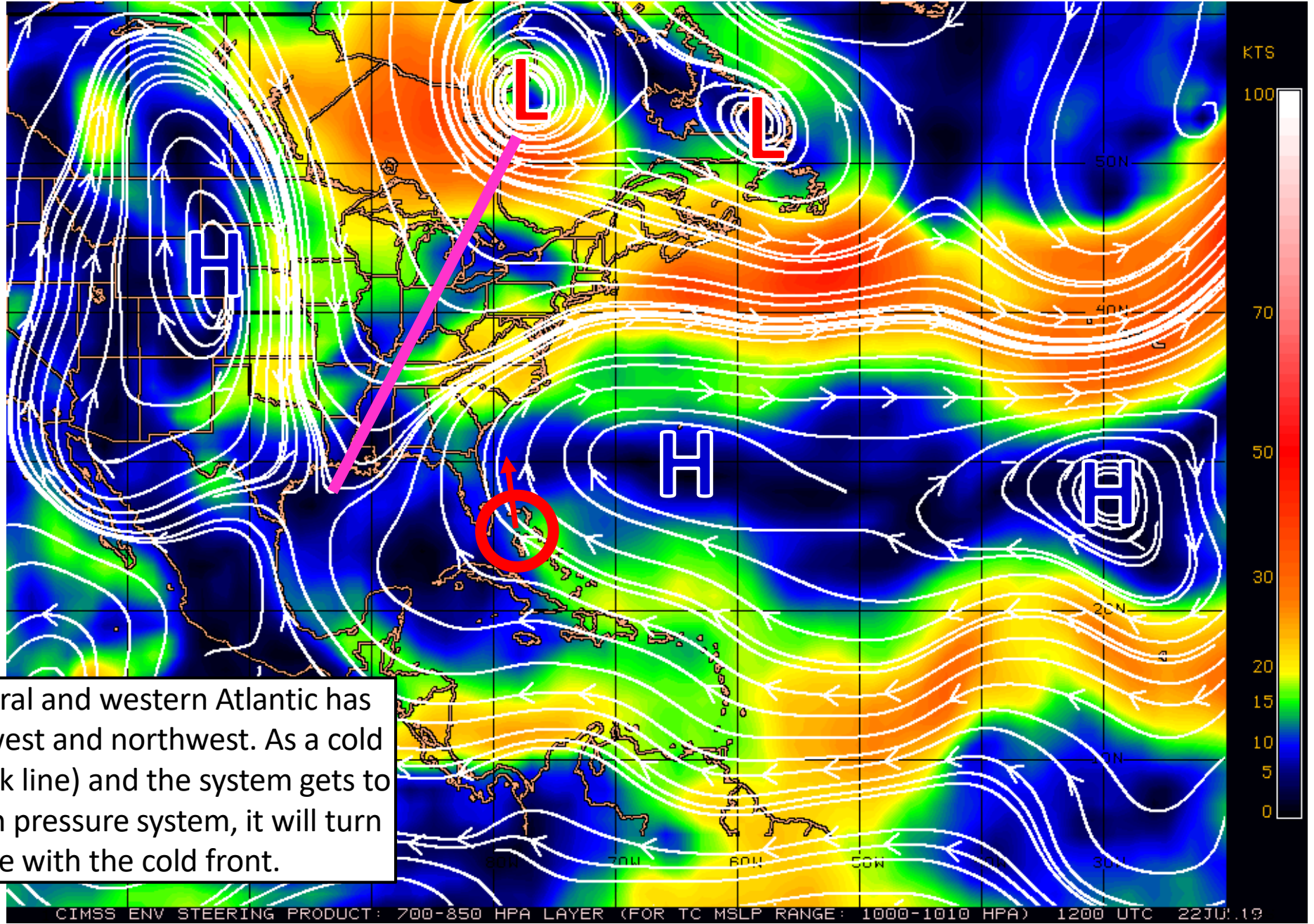
Warnings:

Hurricane Trop Stm

Current wind extent:

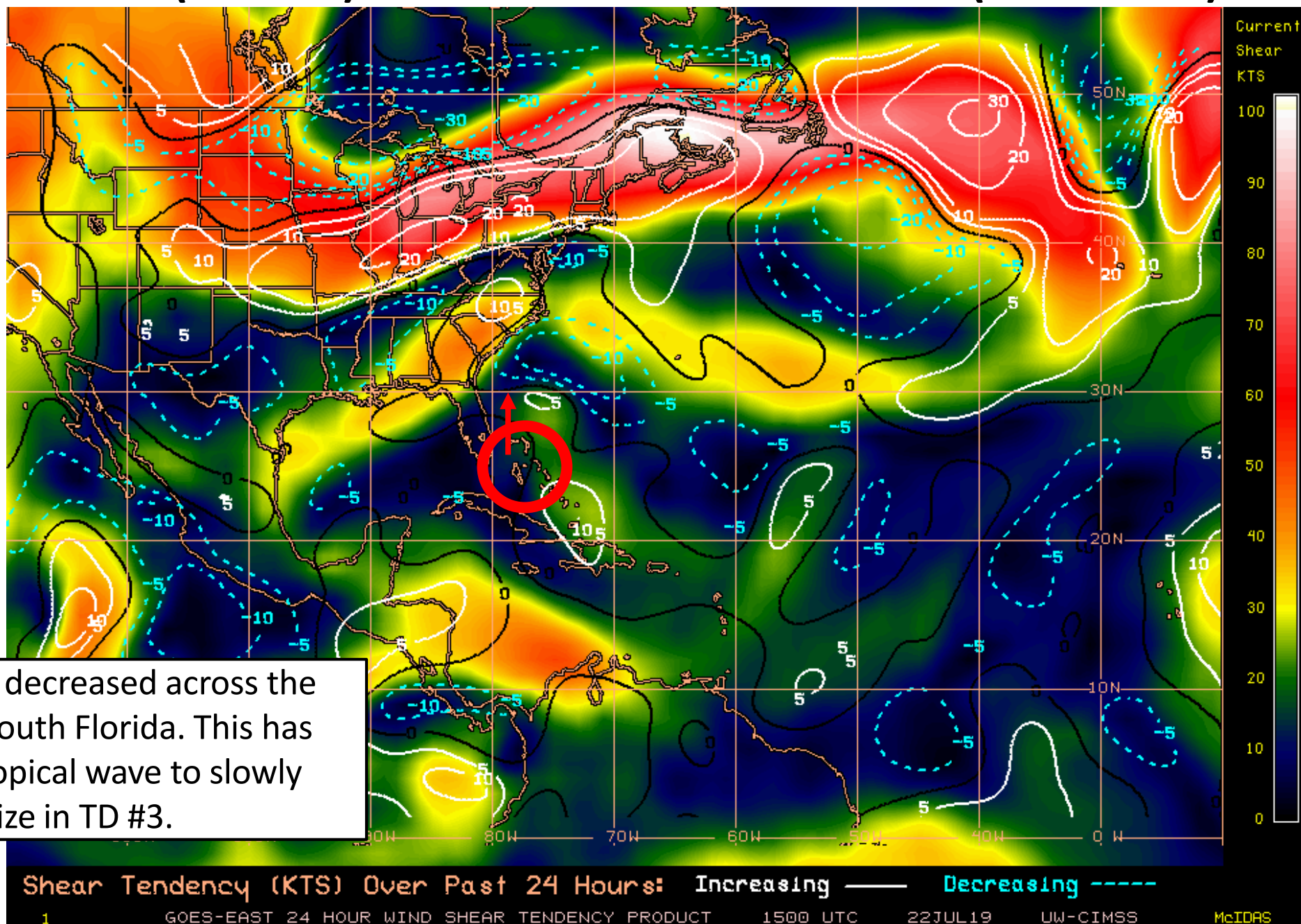
Hurricane Trop Stm

Steering Currents



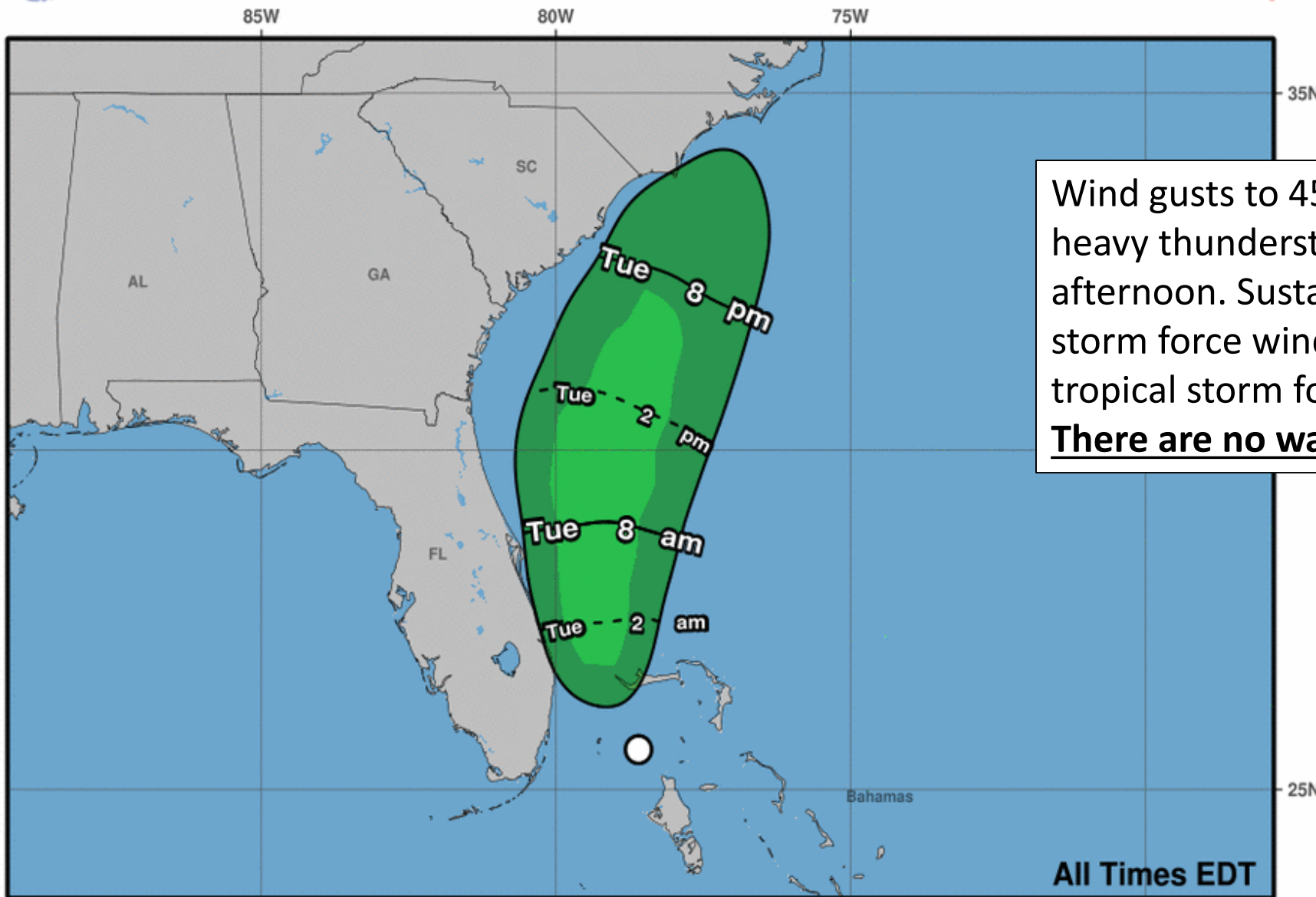
High pressure over the central and western Atlantic has been steering TD #3 to the west and northwest. As a cold front approaches Florida (pink line) and the system gets to the western edge of the high pressure system, it will turn northward and merge with the cold front.

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





Most Likely Arrival Time of Tropical-Storm-Force Winds



Wind gusts to 45 mph will be possible in any heavy thunderstorms through tomorrow afternoon. Sustained or widespread tropical storm force winds are not forecast. Any chance of tropical storm force winds remains offshore. **There are no watches or warnings in effect.**

Tropical Depression Three
Mon. Jul. 22, 2019 5 pm EDT
Advisory 1

Storm Location & Wind Speed

< 34 kt (39 mph)

34-63 kt (39-73 mph)

≥ 64 kt (74 mph)

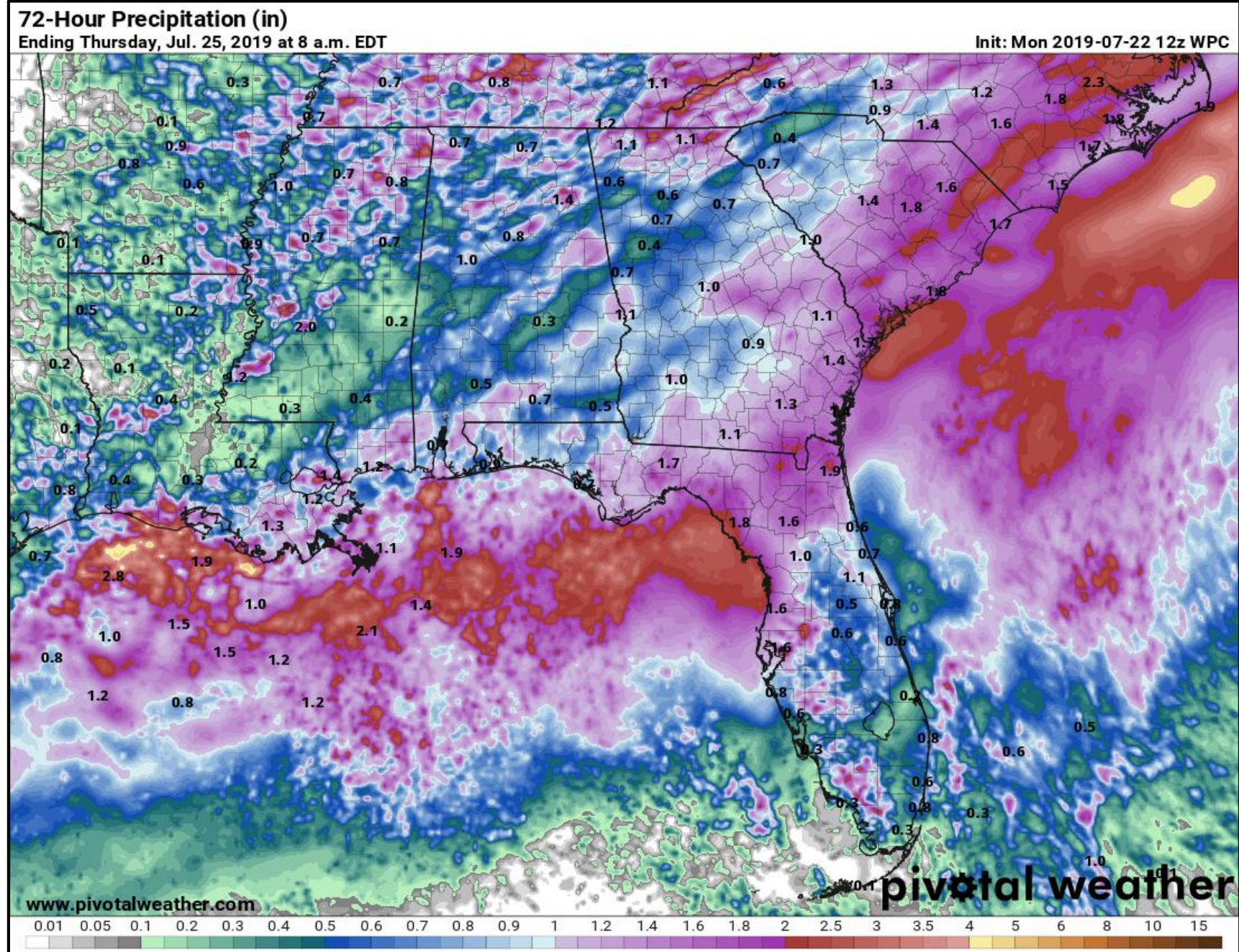
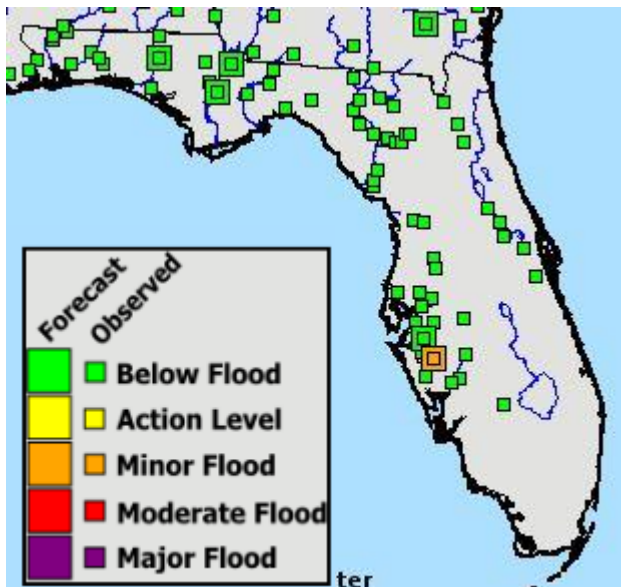
5-day chance of receiving sustained 34+ kt (39+ mph) winds

5 10 20 30 40 50 60 70 80 90 100 %

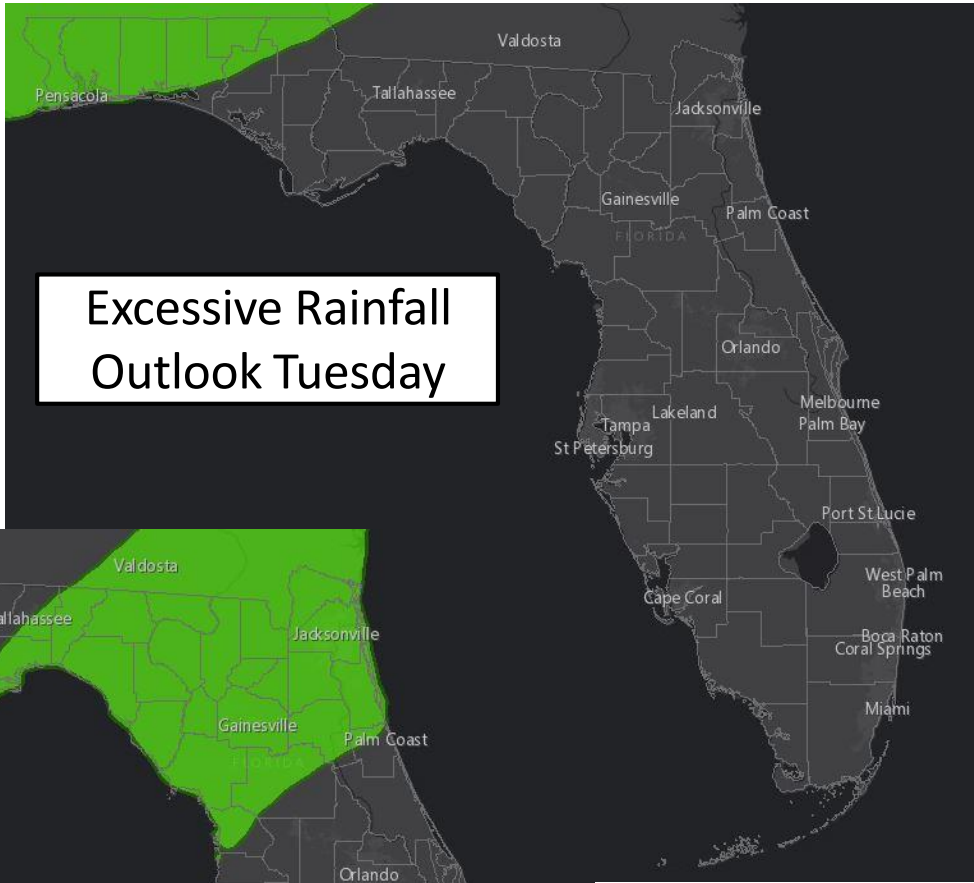
Cumulative Rainfall Totals Through Wednesday Night

Cumulative rainfall totals over the next 3 days will be 1-3", locally 5", both directly from TD #3 in Southeast Florida and from typical summer thunderstorms from a cold front across the rest of the state.

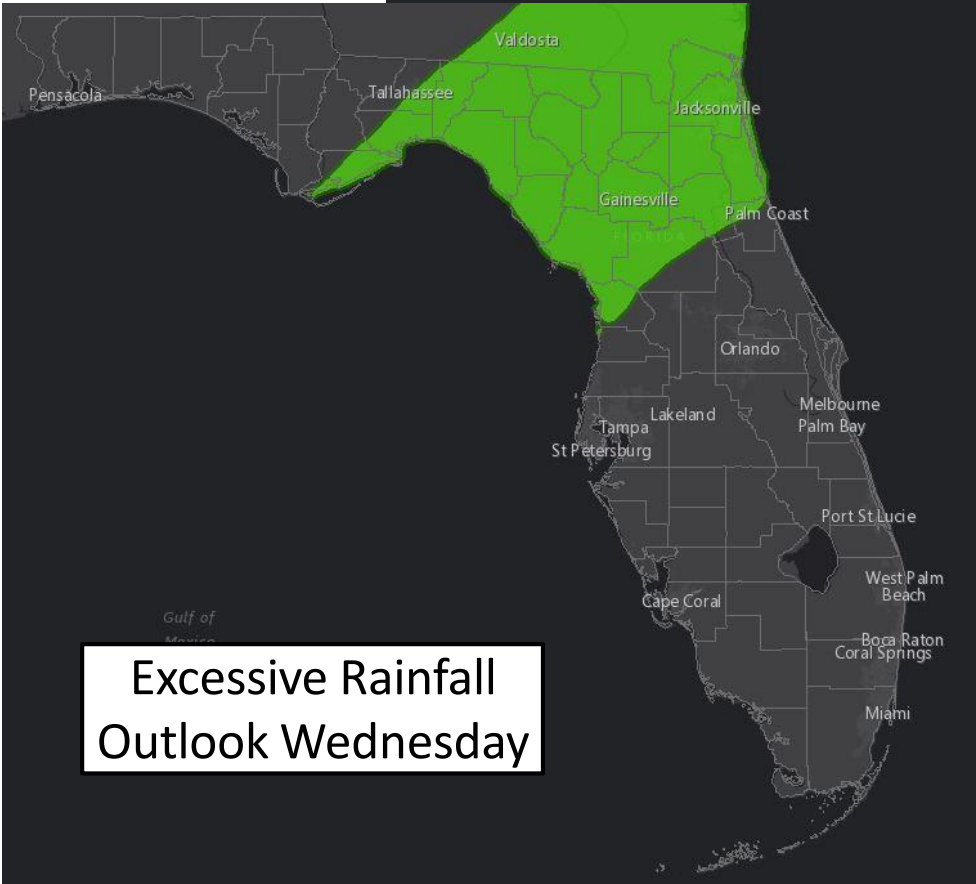
The Manatee River will drop below minor flood stage on Tuesday morning. No other river flooding is forecast.









- Unrelated to TD #3, a cold front will be approaching North Florida. Locally heavy rainfall will be possible Tuesday afternoon and Wednesday afternoon.
- In general, flash flooding could occur if heavy rain in excess of 3-5” occurs in a short amount of time or 5-8” within a 24 hour period.



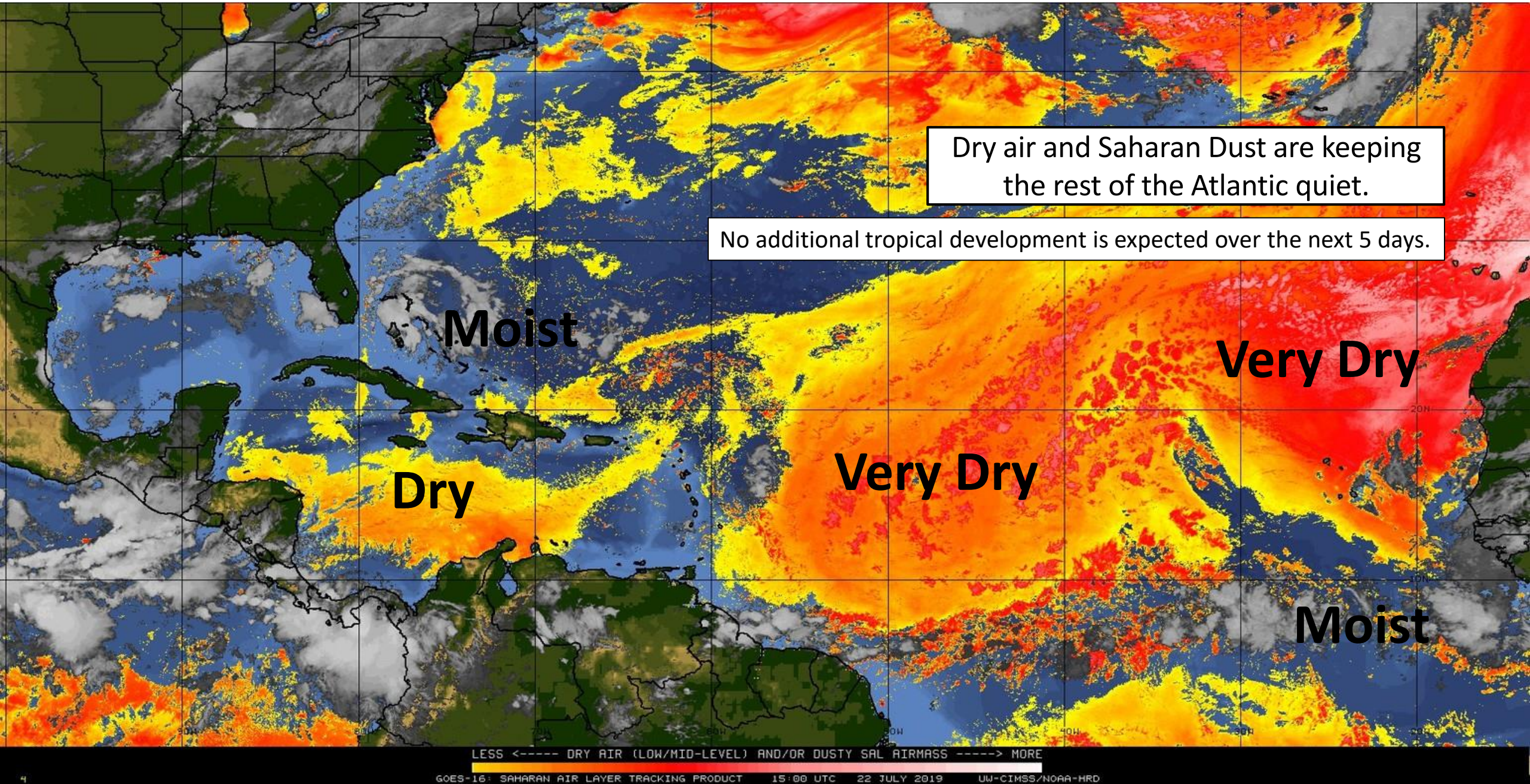
Excessive Rainfall Outlook Tuesday



Excessive Rainfall Outlook Wednesday

Understanding WPC Excessive Rainfall Risk Categories				
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
	Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.	Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.	Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.	Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.
www.wpc.ncep.noaa.gov @NWSWPC				
Flash flooding near me?	Flash Flooding			
	NO Flash Flooding			
 				
WEATHER PREDICTION CENTER				

Dry Air & Saharan Dust



Summary

- At 5 PM EDT, the tropical wave over the Bahamas developed into Tropical Depression #3.
- Tropical Depression #3 is located 120 miles southeast of West Palm Beach, FL with maximum sustained winds of 30 mph.
- TD #3 is currently moving to the NW at 13 mph and will continue on this movement overnight. By tomorrow, TD #3 will begin to turn more northward as it moves around an area of high pressure and merges with the cold front.
- While Tropical Depression #3 is forecast to remain offshore over warm waters for another 24-36 hours, mid-level dry air and moderate wind shear will prevent strengthening of the system.
- Tropical development is not expected across the rest of the Atlantic basin over the next 5 days.

Florida Outlook:

- Rain:
 - With a combination of TD #3 and an approaching cold front, widespread rainfall totals of 1-3” expected over the next few days across the state. Locally higher amounts possible in areas that see heavy thunderstorms each afternoon.
 - Brief, minor street flooding is possible in urban areas during heavier thunderstorms.
- Wind:
 - Winds 10-15 mph outside of thunderstorms along the East Coast. No chance of tropical storm force winds over land.
 - In any thunderstorms across the state, isolated wind gusts of 45-50 mph possible.
- Coastal Impacts:
 - No storm surge or coastal flood threat.
 - Possible increase in rip current risk at Atlantic beaches Tuesday and Wednesday.
- Severe Weather:
 - Isolated waterspouts across the Florida Keys and Southeast Florida today and tomorrow.

Another briefing packet will be provided Tuesday morning. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



Created by:

Michael Spagnolo, Deputy State Meteorologist

Michael.Spagnolo@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

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