



TROPICAL UPDATE



5 PM EDT

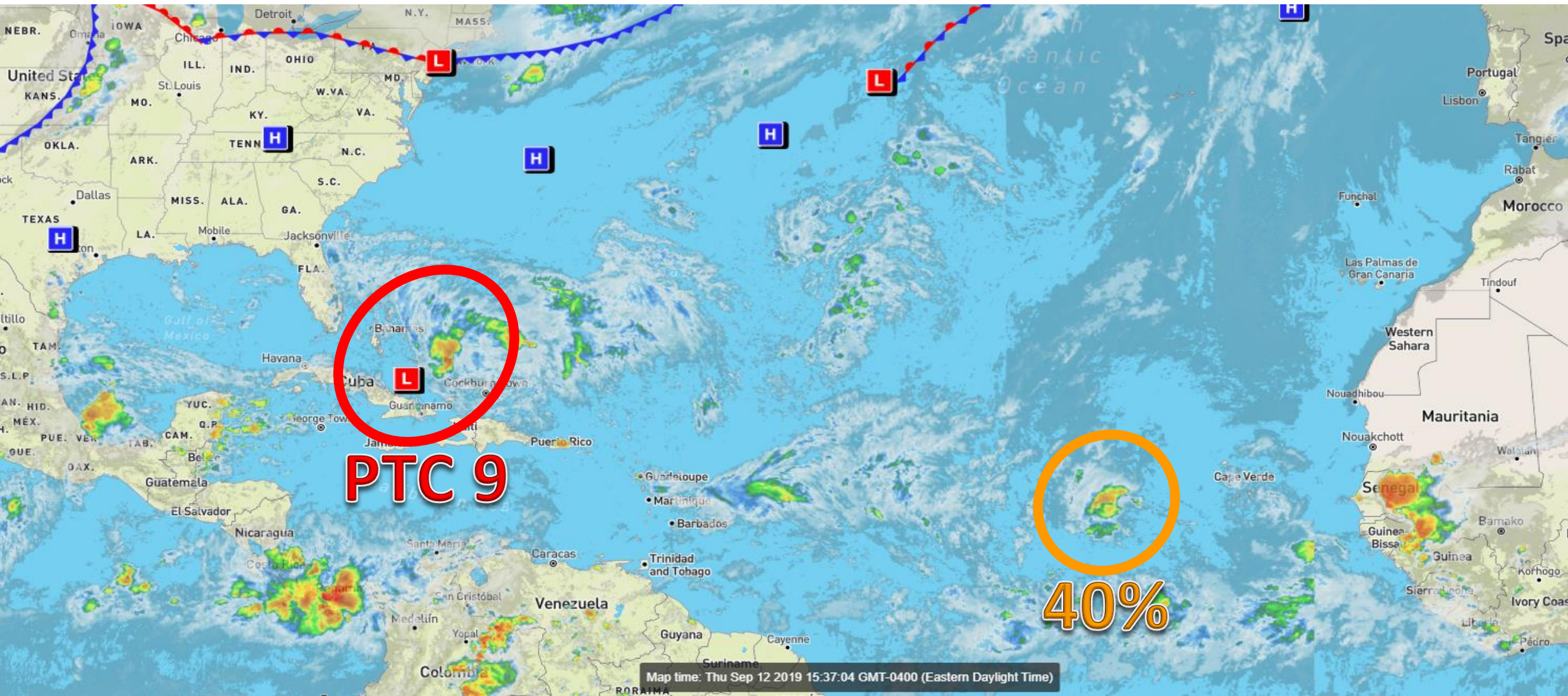
Thursday, September 12, 2019

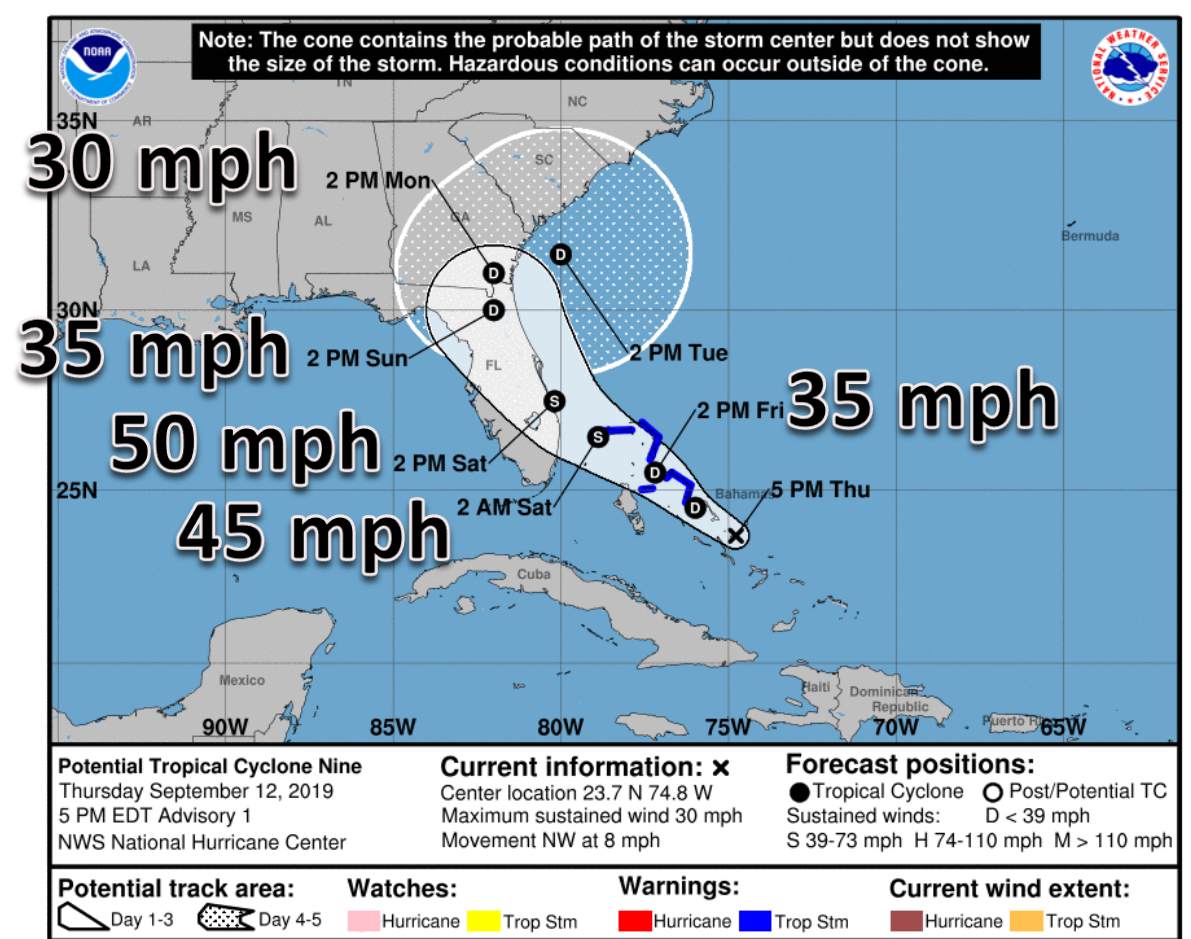
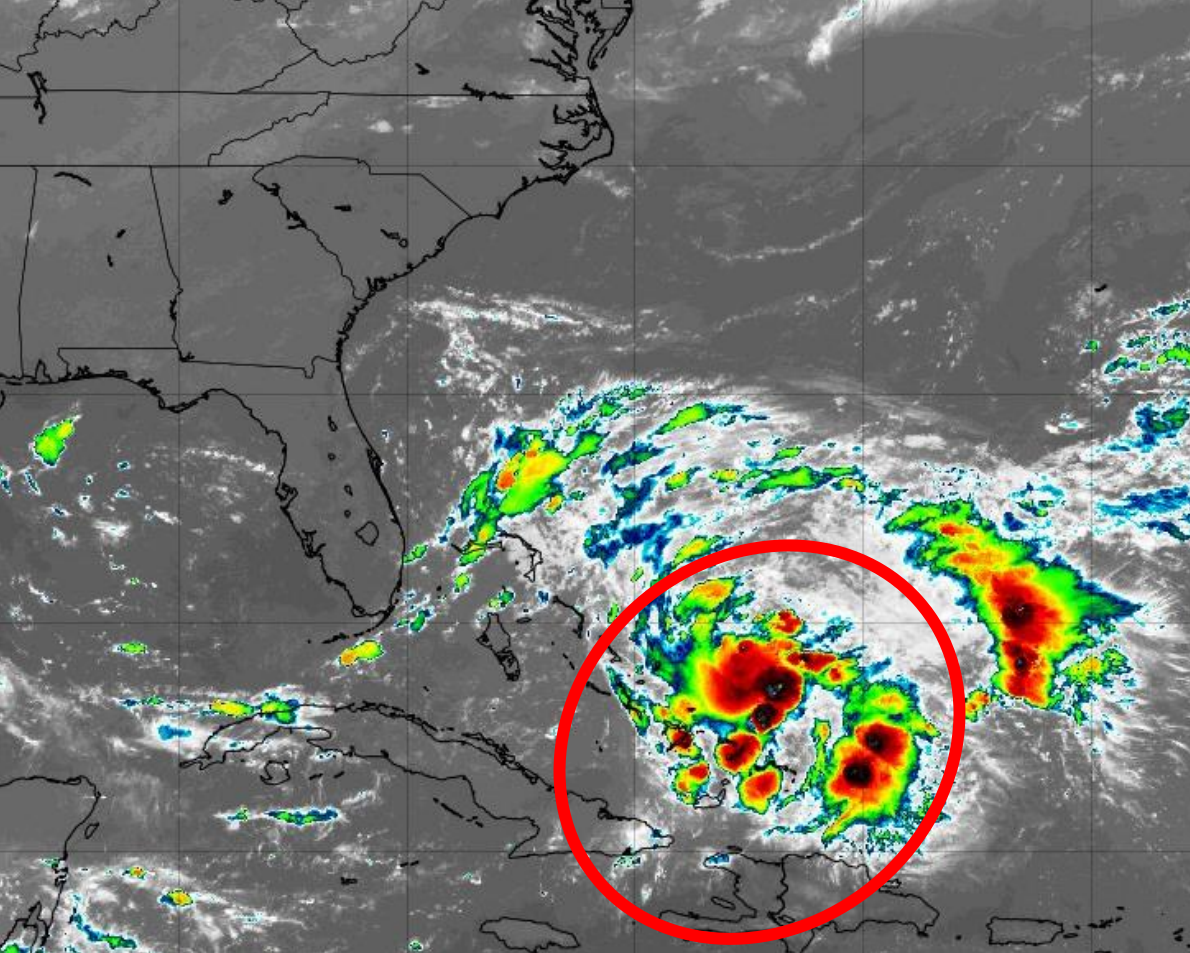
Potential Tropical Cyclone #9 & Cabo Verde Wave
(40%)

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

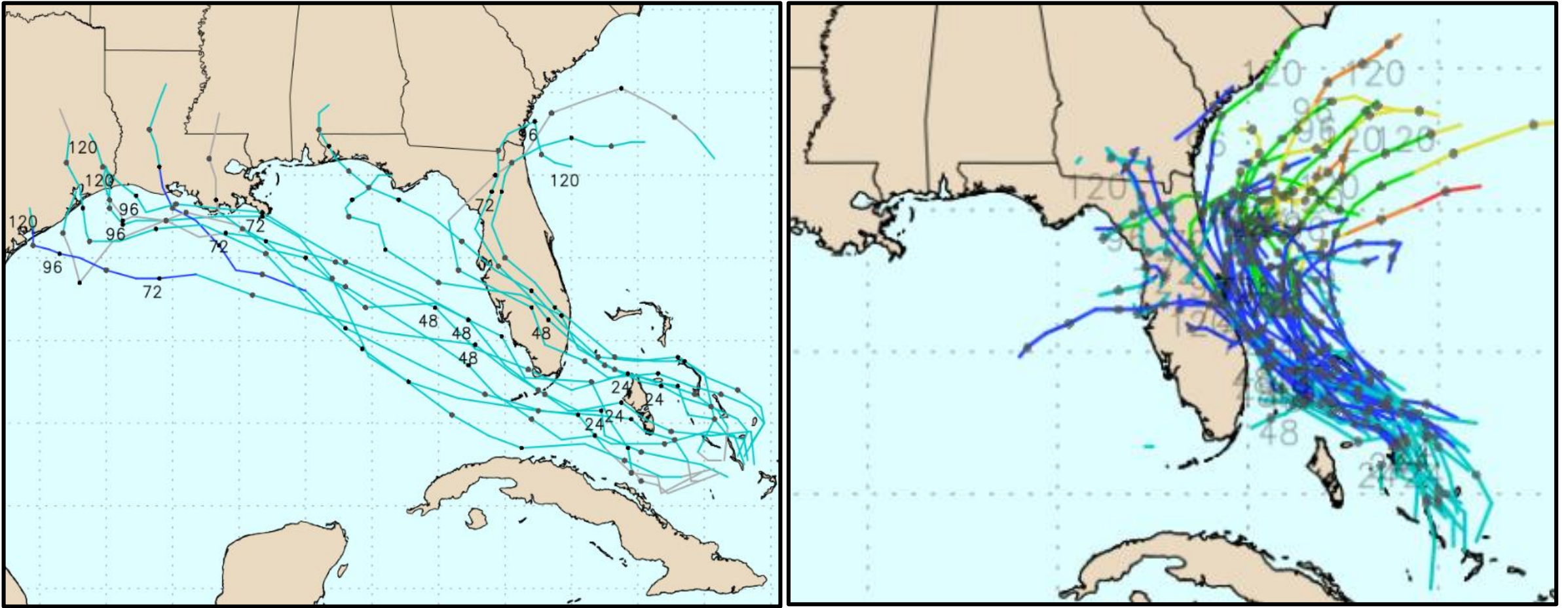




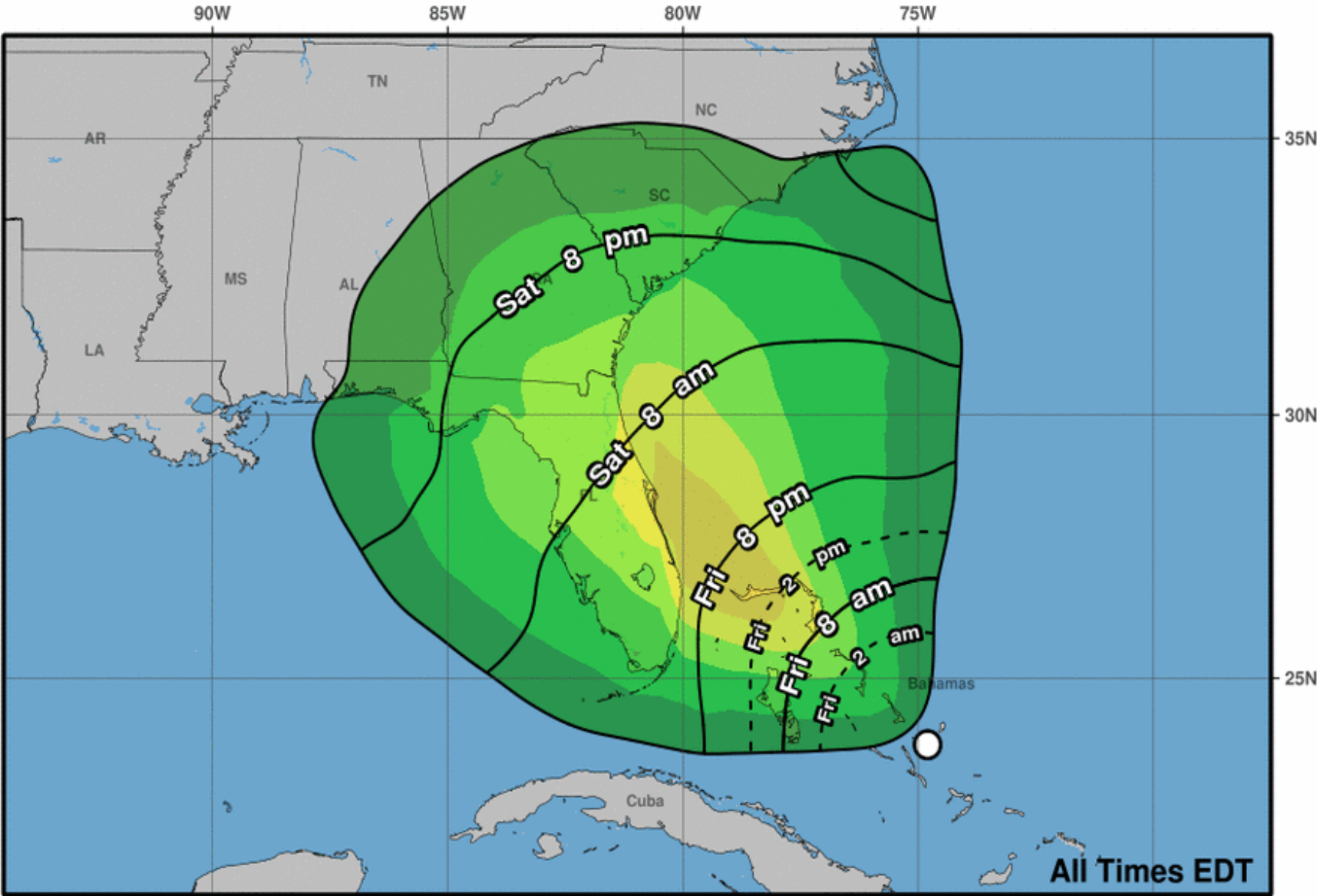
Potential Tropical Cyclone #9: Invest 95L has now been designated Potential Tropical Cyclone #9 to allow for tropical storm warnings to be issued in the Bahamas. PTC #9 was located about 315 miles southeast of Freeport in the Bahamas and moving northwest at 8 mph. Maximum sustained winds are near 30 mph. This system is forecast to become a tropical depression over the next day or so. Further strengthening into a tropical storm is expected late Friday night or Saturday. The next name on the list is Humberto. Tropical Storm Watches may be issued for Florida as early as tonight.

- * **Chance for formation into a Tropical Depression or Tropical Storm through 48 hours...high...70 percent.**
- * **Chance for formation into a Tropical Depression or Tropical Storm through 5 days...high...80 percent.**

PTC #9 Model Track Guidance



However, with the extreme disagreement in the models, the forecast path of PTC #9 remains highly uncertain. It is important to note that the forecast can change drastically since PTC #9 still does not have a well-defined center. The forecast models will likely continue to change until we have a defined center.



Potential Tropical Cyclone Nine

Thu. Sep. 12, 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

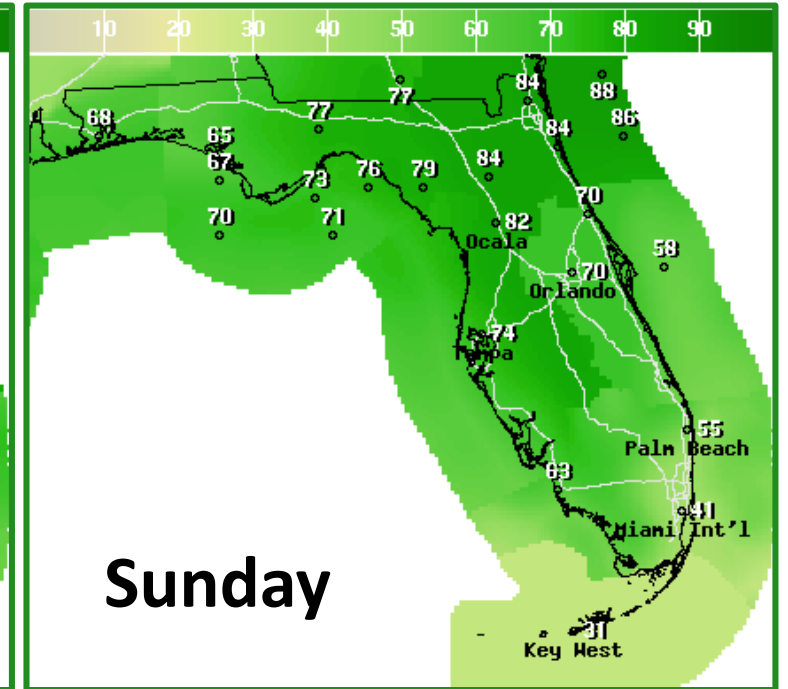
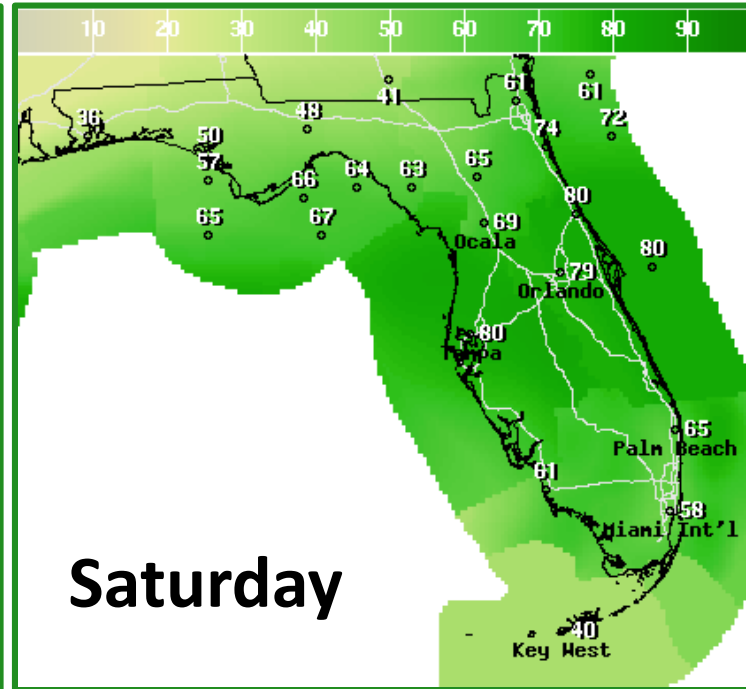
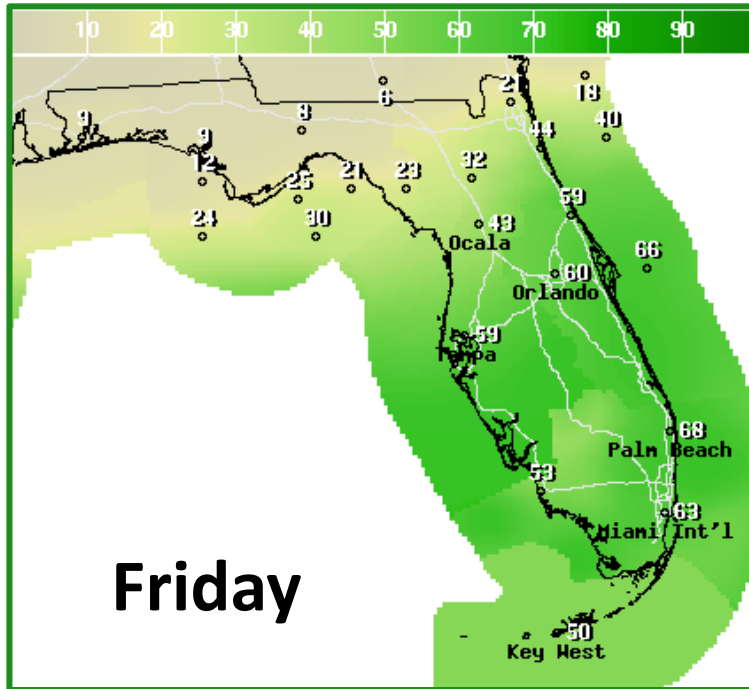
5 10 20 30 40 50 60 70 80 90 100 %

Earliest Reasonable Timing for Tropical Storm Force Winds (39+ mph)

Tropical Storm Force winds may start as early as Friday night along parts of the Florida East Coast and as early as Saturday morning in Northeast Florida.

- Miami: 15%
- Ft. Lauderdale: 29%
- West Palm Beach: 36%
- Fort Pierce: 42%
- Cocoa Beach: 44%
- Orlando: 31%
- Tampa: 20%
- Naples: 12%
- Jacksonville: 27%
- Tallahassee: 16%

Forecast Rain Chances Through the Weekend

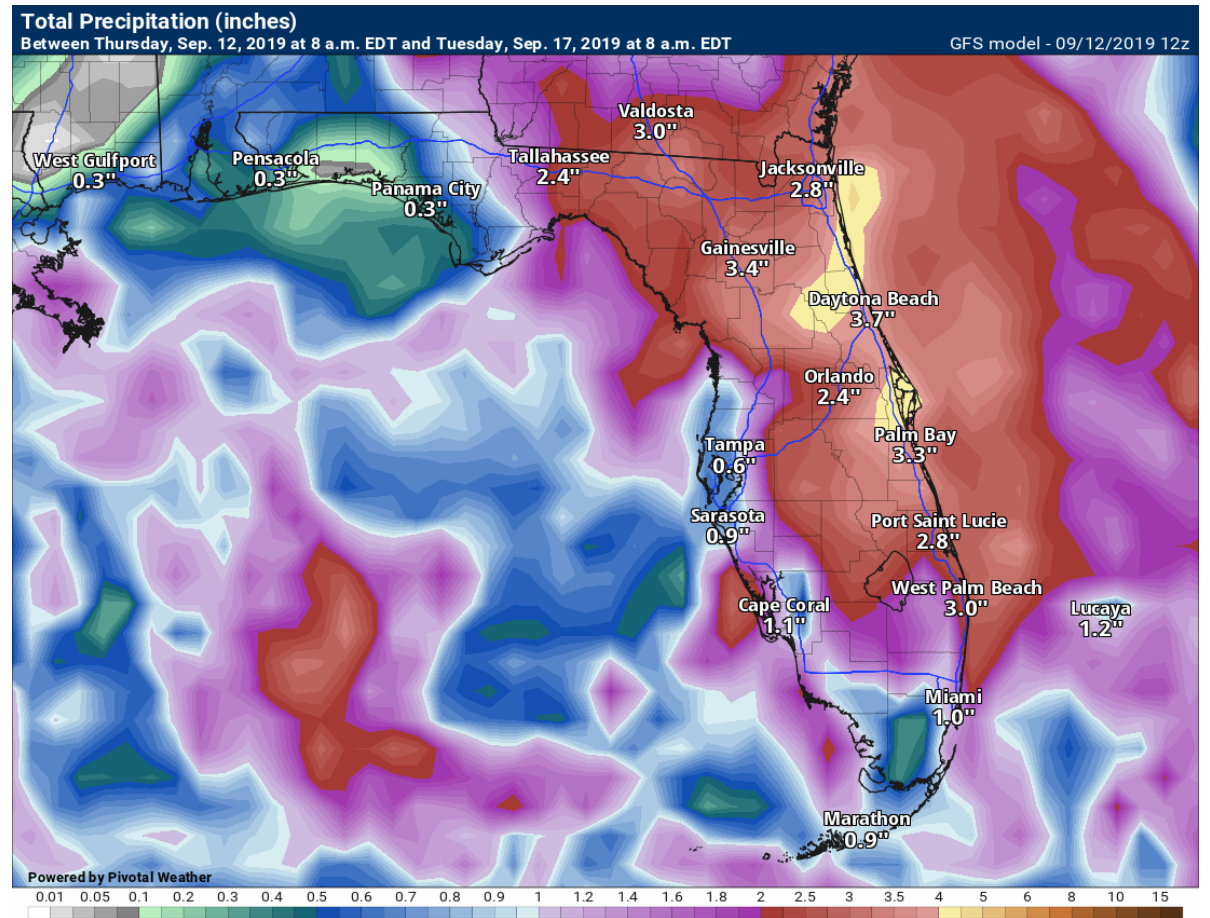
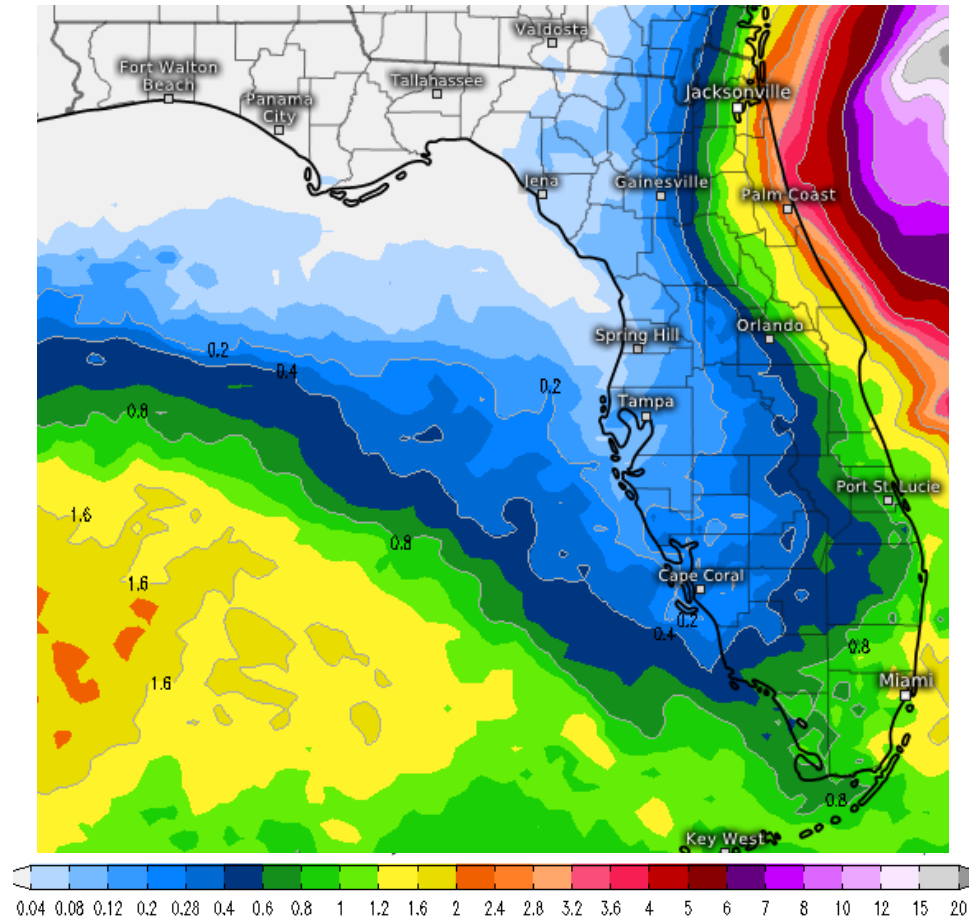


Rain chances will increase through late this week over the Peninsula, then across the entire state this weekend. Numerous showers with embedded thunderstorms will be expected each day. Locally heavy rainfall will be possible in the stronger storms.

However, these rain chances may increase or decrease depending on the exact track of PTC #9.

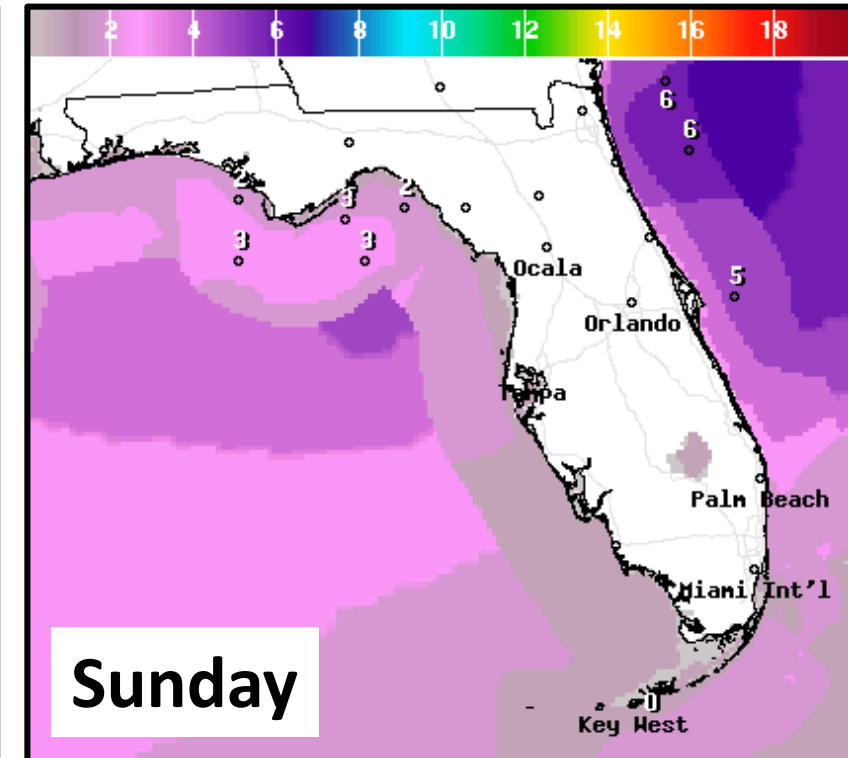
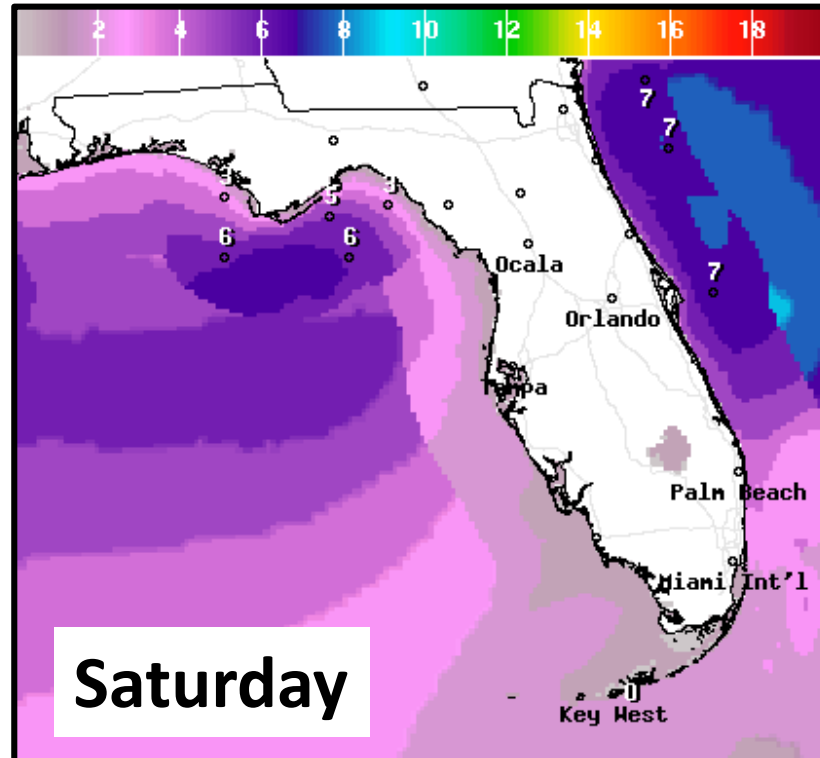
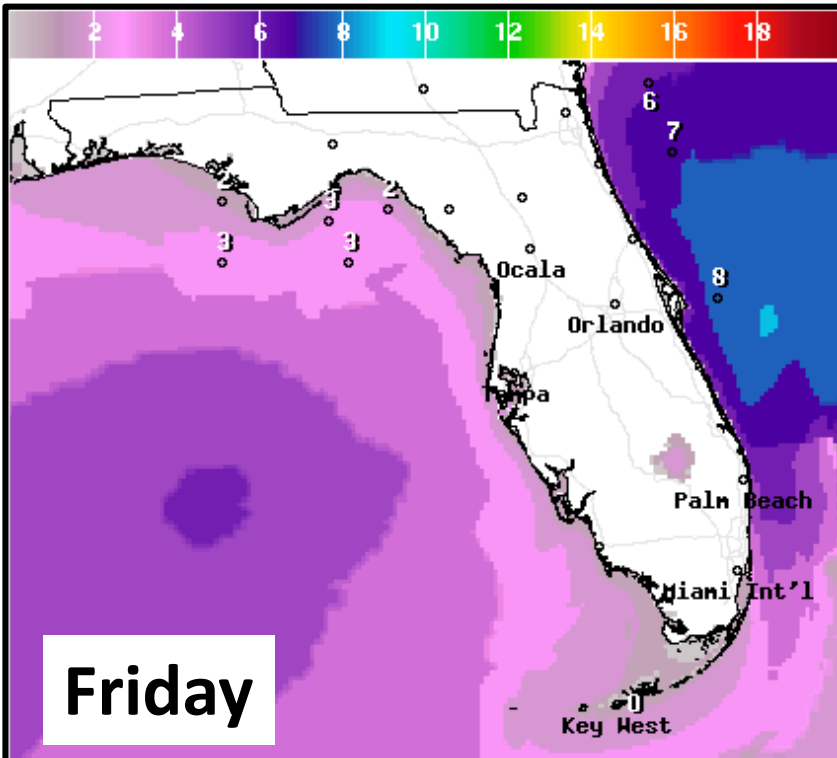
Model Rainfall Totals Next 5 Days

*****NOT A FORECAST*** Guidance Only**

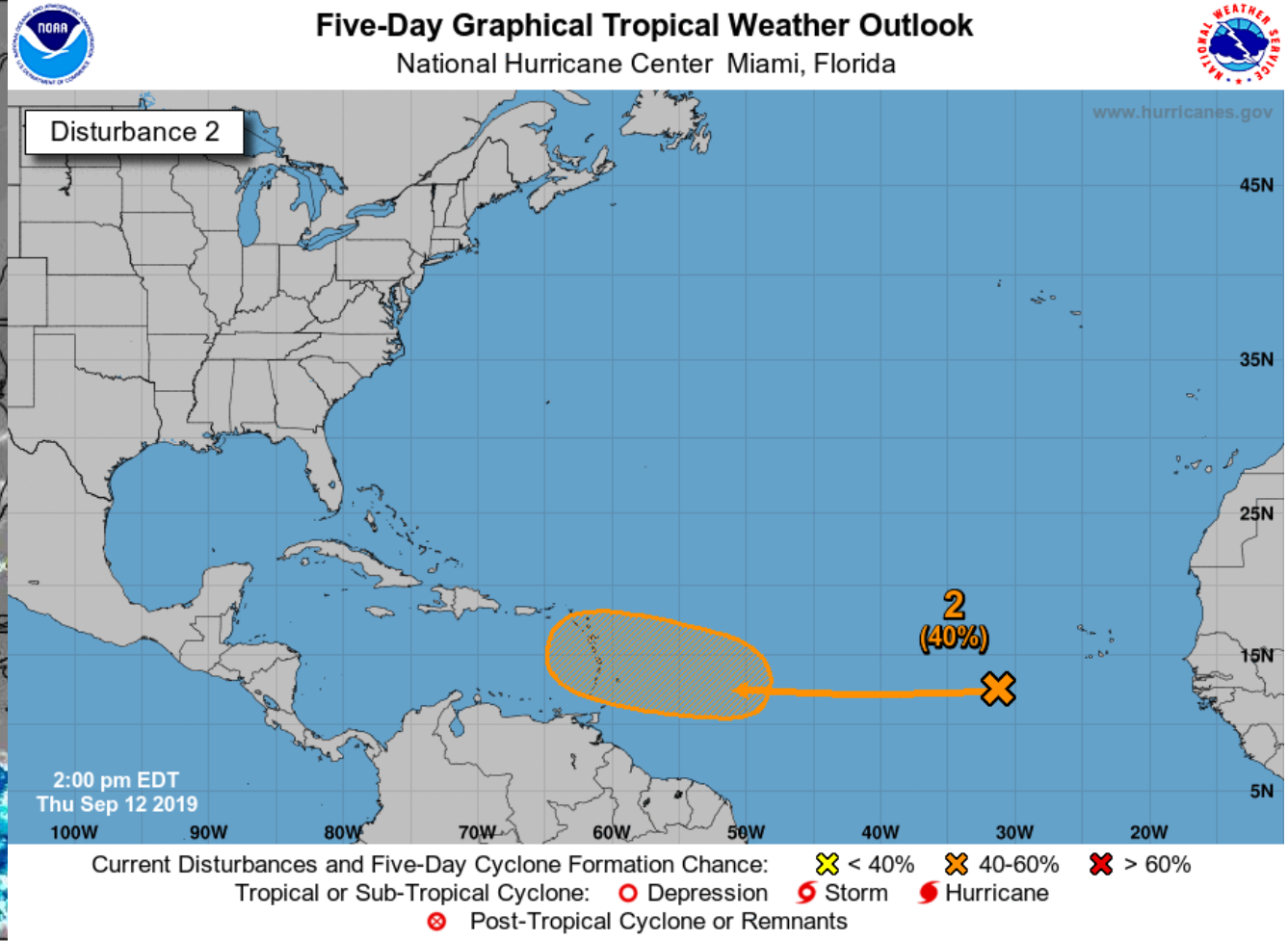
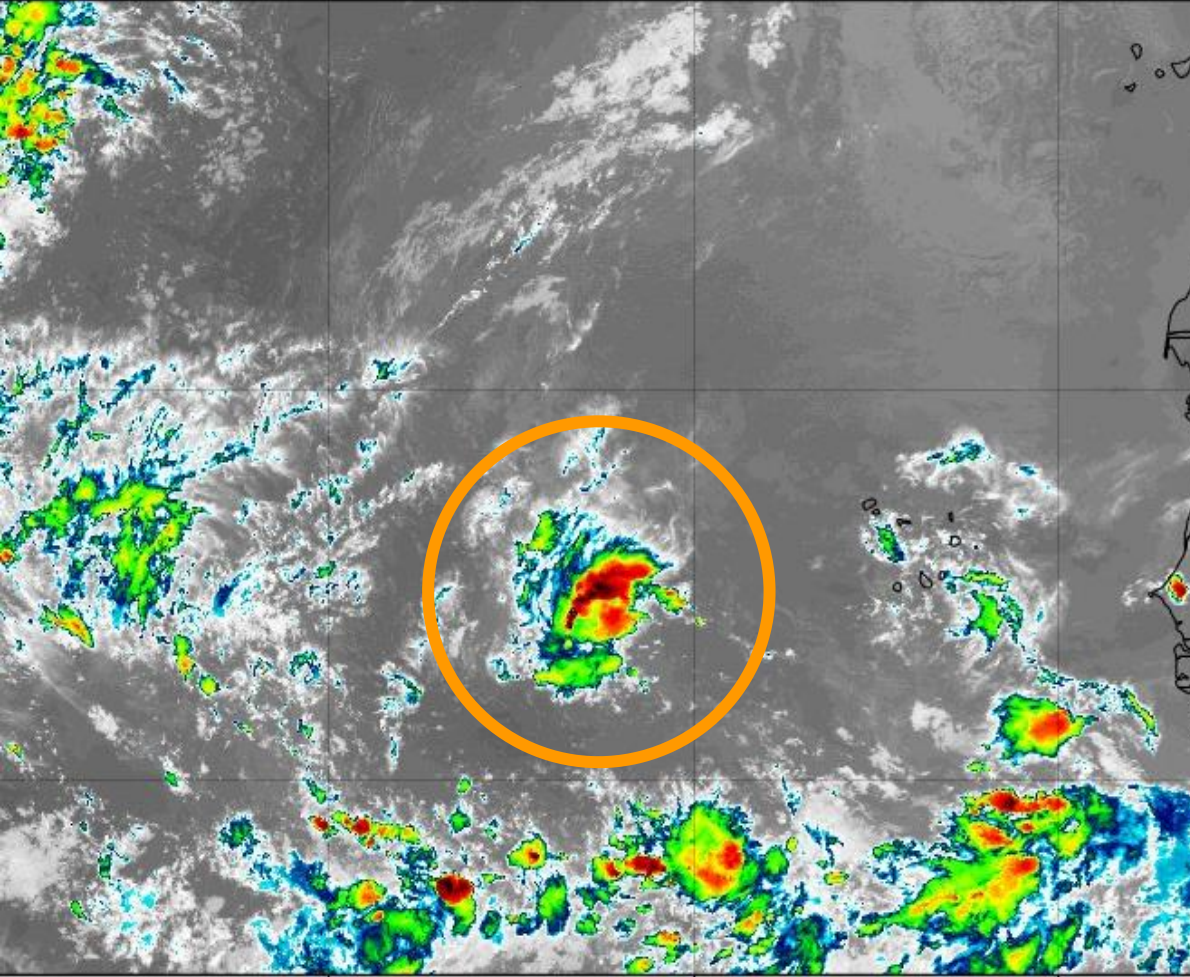


Rain totals will greatly depend on where the system tracks. A system that remains off the East Coast will keep the heaviest rain offshore. A system that moves into the Gulf will produce heavier rain across the state. Generally 2-4" of rain is expected along the East Coast, but rainfall elsewhere in the state will be dependent on PTC #9's track.

Forecast Wave Heights



Breezy east to southeast winds will cause building waves and a **high risk for dangerous rip currents** this weekend along East Coast beaches. The rip current risk for the Panhandle beaches will be determined by the track of this system. At least a **moderate risk of rip currents** is expected along Panhandle beaches.



Cabo Verde Wave: A tropical wave located several hundred miles west of the Cabo Verde Islands is producing disorganized showers and thunderstorms. Conditions appear conducive for development, and a tropical depression could form early next week while the system moves westward over the tropical Atlantic.

- * Formation chance through 48 hours...low...near 0 percent.
- * Formation chance through 5 days...medium...40 percent.

Summary

Potential Tropical Cyclone #9

- Invest 95L has now been designated Potential Tropical Cyclone #9, located about 315 miles southeast of Freeport, Bahamas. The system is moving northwestward at 8 mph.
- Maximum sustained winds are near 30 mph. The system is expected to become a tropical depression over the next day or so and strengthen into a tropical storm late Friday night or Saturday morning.
- It is important to note that confidence in this forecast remains lower than usual due to the lack of a well-defined center. The track and intensity are prone to significant changes.
- Hurricane Hunters are currently investigating the system to see if it has a defined center.
- Tropical Storm Warnings are in effect for the northwestern Bahamas. Tropical Storm Watches may be needed along the Florida East Coast as soon as tonight.
- Chances remain high that this system will become a tropical depression or tropical storm (70% in the next 48 hours, 80% in the next 5 days).

Cabo Verde Wave

- A tropical wave several hundred miles west of the Cabo Verde Islands will move quickly across the tropical Atlantic and may gradually organize this weekend or early next week.
- The National Hurricane Center is indicating a near 0% (low) chance of development over the next 48 hours, but a 40% (medium) chance from days 3-5.

Florida Outlook:

- It is too early to tell if the Cabo Verde Wave poses a threat to Florida. No impacts are expected for at least 7 days.
- PTC #9 will bring increased rain chances and potentially locally heavy rainfall to the East Coast late this week/weekend, but any other details are uncertain. The rainfall threat highly depends on the track of the system.
- Breezy east to southeast winds will result in building waves and dangerous rip currents along East Coast beaches. Dangerous beach conditions will also be possible in the Panhandle if the system makes it into the Gulf.
- Any other threats from PTC #9 are too uncertain and will be highly dependent on the system's evolution over the next 24 hours.
- The track and intensity forecasts are more uncertain than usual.
- The next name on the 2019 Atlantic storm name list is Humberto.

The next tropics packet will be issued Friday morning. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov. For the latest flood updates, see the latest products from your local National Weather Service, the [Southeast River Forecast Center](#), and the [Weather Prediction Center](#).



TROPICAL UPDATE



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