



Tropical Update



11:00 AM EDT

Friday, June 2, 2023

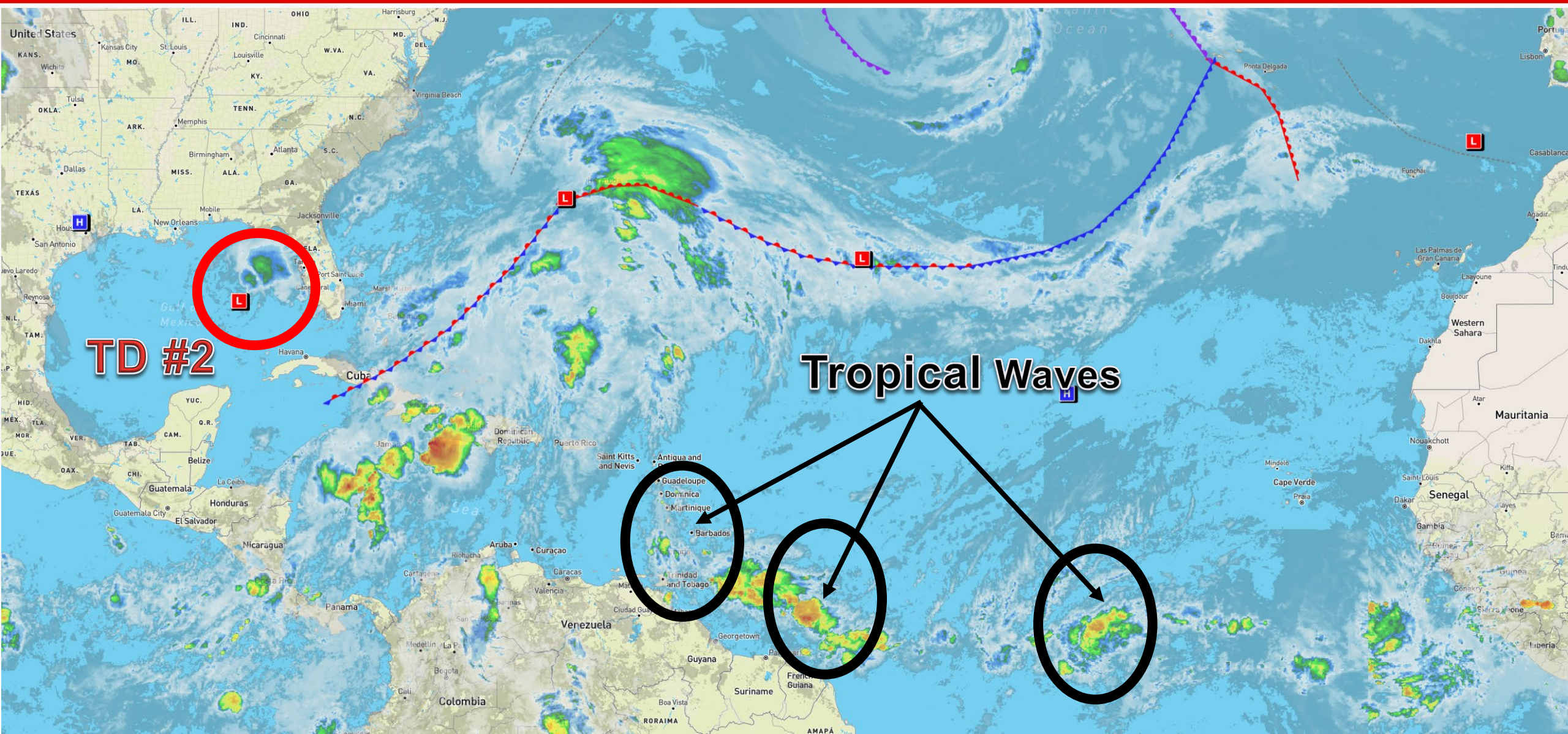
Tropical Depression Two

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

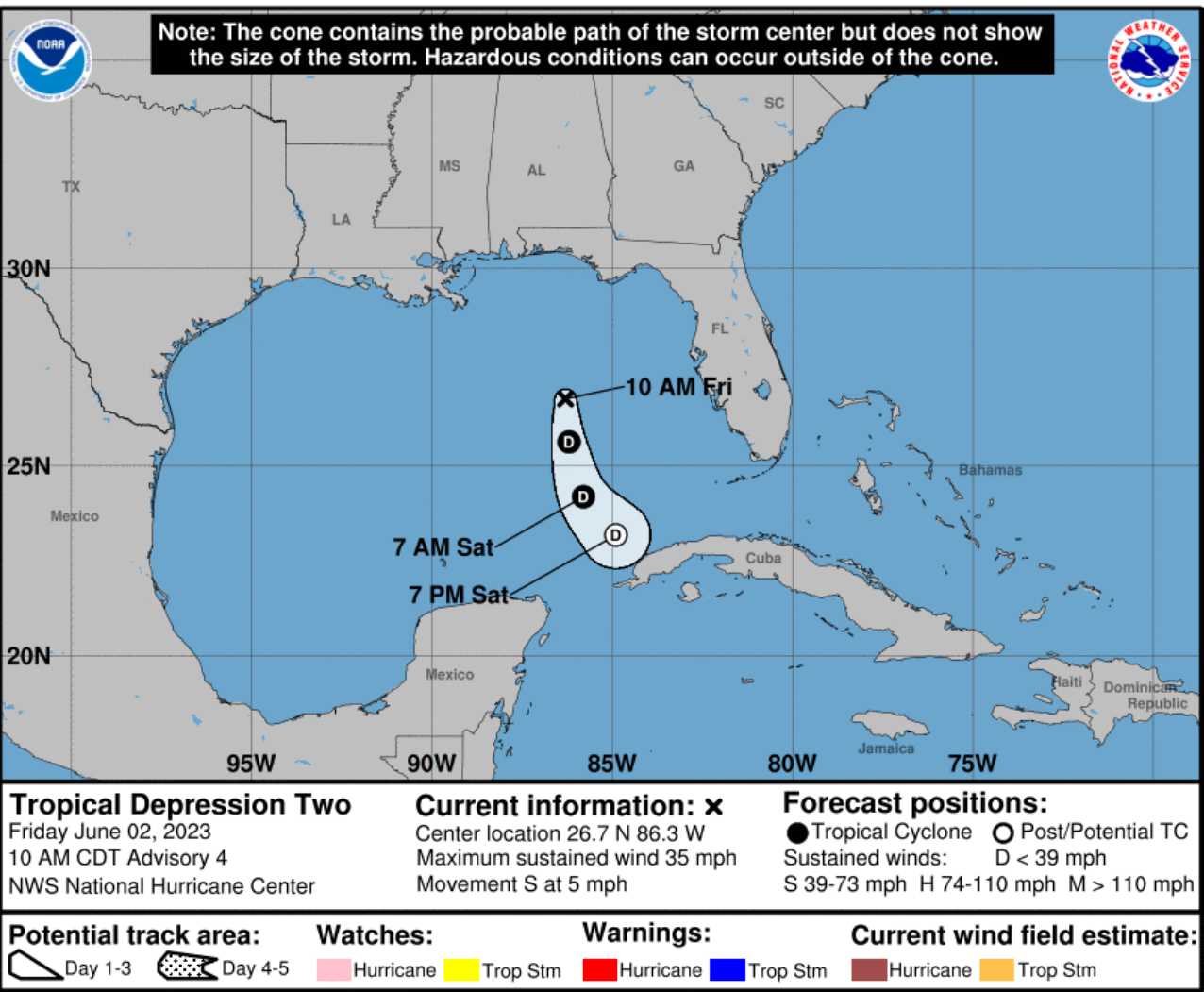
Chance of development: — None — Low — Medium — High





Forecast Cone

Tropical Depression Two ([LINK](#))



- **Location:** 345 miles NNW of the western tip of Cuba
- **Maximum Sustained Winds:** 35 mph
- **Current Movement:** S at 5 mph
- **FL Watches/Warnings:** None

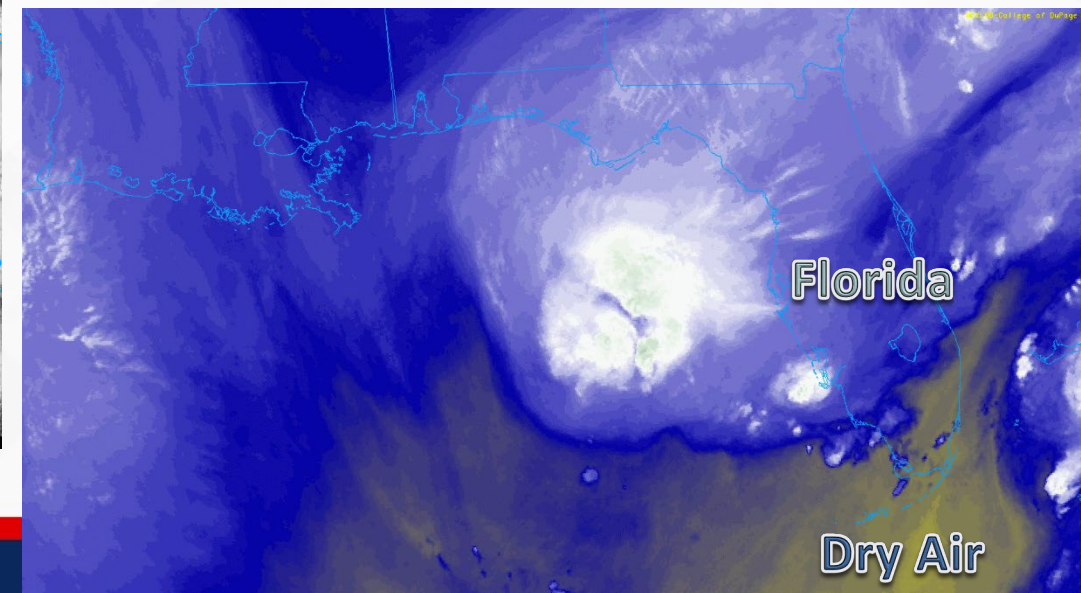
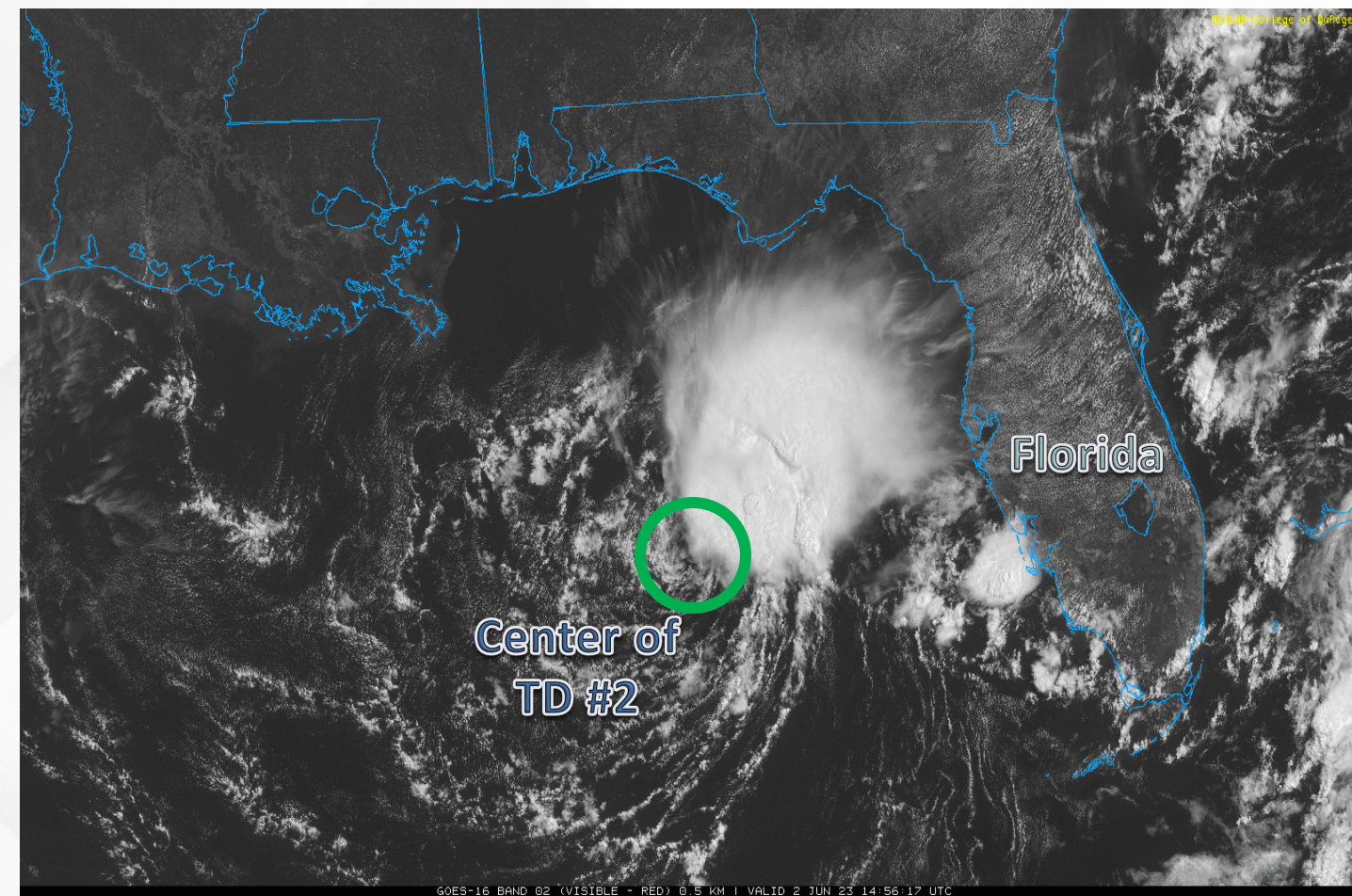
Tropical Depression Two will continue to move southward with a slight increase in forward speed today and tonight. The system is forecast to weaken later over the next 24-48 hours, becoming a remnant low on Saturday. *Tropical Depression Two poses no direct threat to Florida.*



Current Satellite Imagery

Tropical Depression Two

Shower and thunderstorm activity has persisted around Tropical Depression Two this morning, although the system remains highly asymmetric and poorly organized. The center of Tropical Depression Two is located to the southwest of the main area of showers and thunderstorms, a feature that is not supportive of further strengthening.





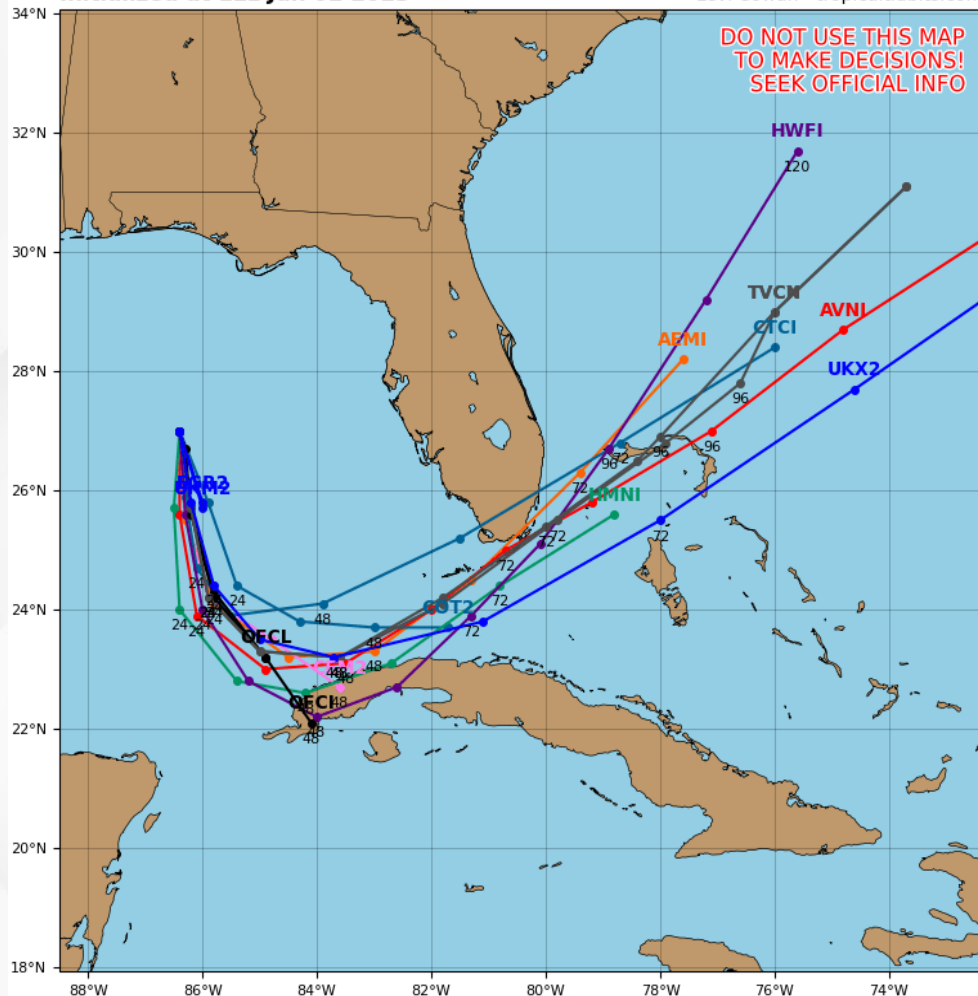
Model Forecasts – Next 5 Days

Tropical Depression Two

Tropical Depression 02L Model Track Guidance

Initialized at 12z Jun 02 2023

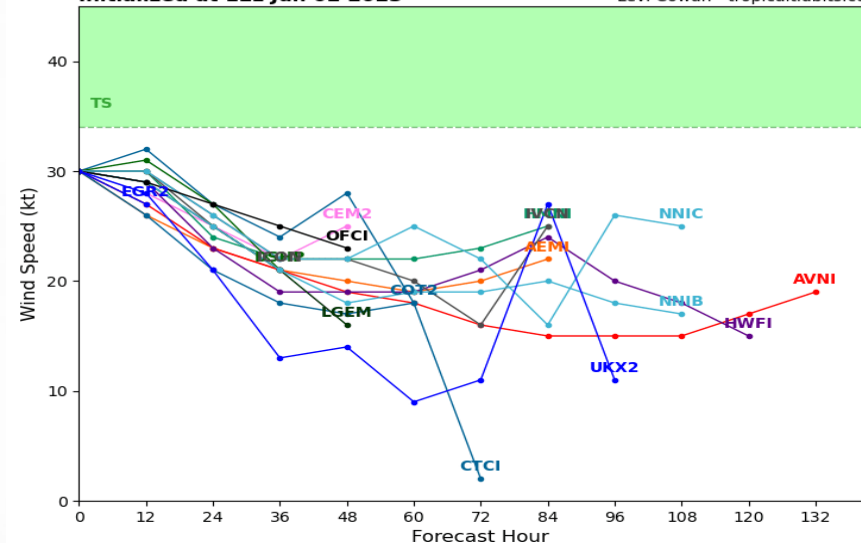
Levi Cowan - tropicaltidbits.com



Tropical Depression 02L Model Intensity Guidance

Initialized at 12z Jun 02 2023

Levi Cowan - tropicaltidbits.com



Computer models are in decent agreement that Tropical Depression Two is expected to move southward to southeastward and accelerate its forward speed during the next day or so. The system will move along the western side of an upper-level feature over Florida while it dissipates near the western tip of Cuba in the next 48 hours. Some models are hinting at the remnants being pulled into the Florida Straits and Atlantic Ocean by an approaching frontal system from the north.

Atmospheric and oceanic conditions are forecast to become increasingly unfavorable for further intensification and organization today and tonight. Stronger upper-level winds and drier air intruding from the west will cause the system to weaken over the next 24-48 hours.



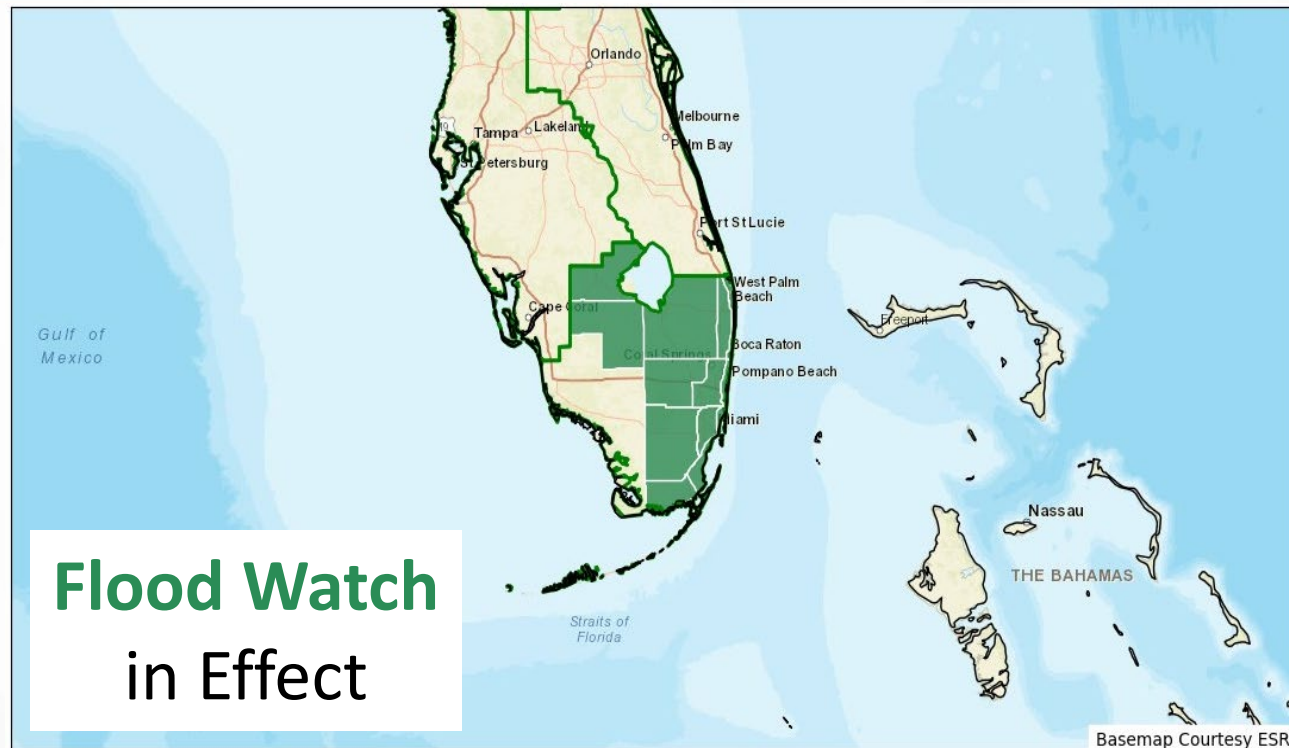
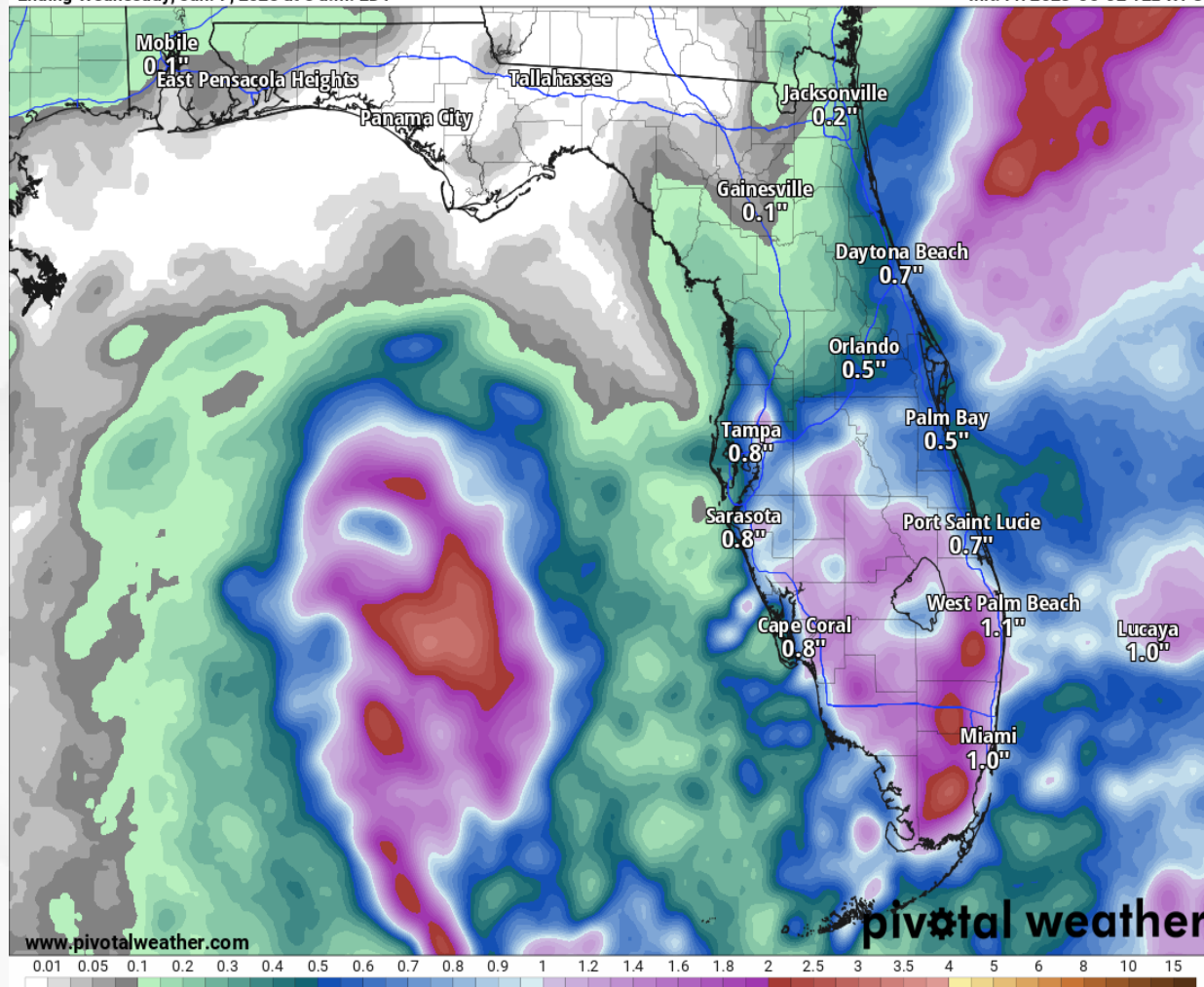
Flood Watch in Effect & 5-Day Forecast Rainfall

From the National Weather Service & Weather Prediction Center

120-Hour Precipitation (in)

Ending Wednesday, Jun. 7, 2023 at 8 a.m. EDT

Init: Fri 2023-06-02 12z WPC

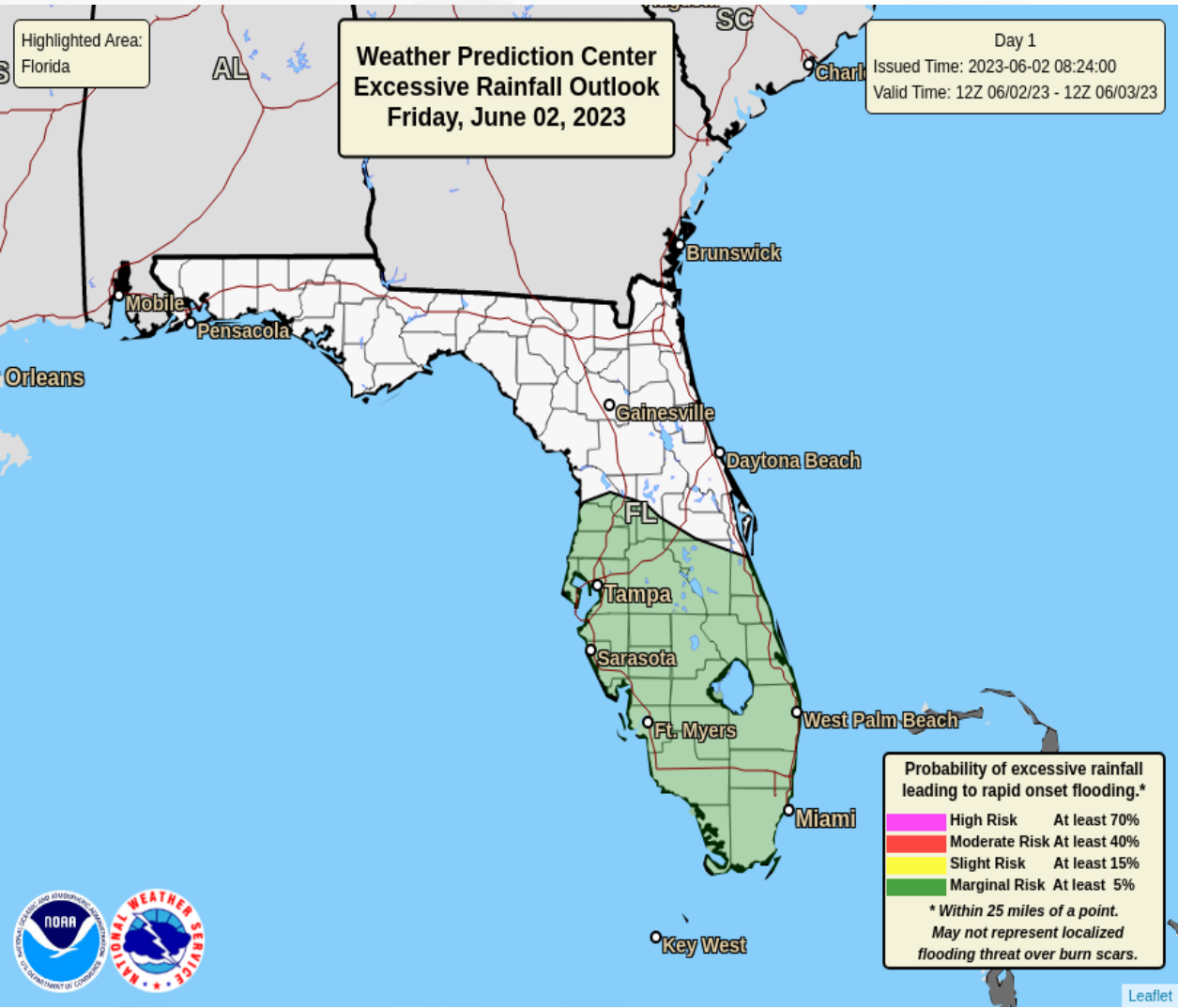


Tropical moisture from Tropical Depression Two will combine with the daily sea breezes to produce scattered showers and thunderstorms across the Peninsula through the weekend. Additional rainfall totals over the next 5 days will be in the 1-3" range across the Florida Peninsula, locally higher amounts of 4-6" will be possible over the southern Peninsula. **Flood Watches** are in effect for Southeast Florida through this evening.









Flash Flood Outlook - Today

From the Weather Prediction Center



Understanding WPC Excessive Rainfall Risk Categories

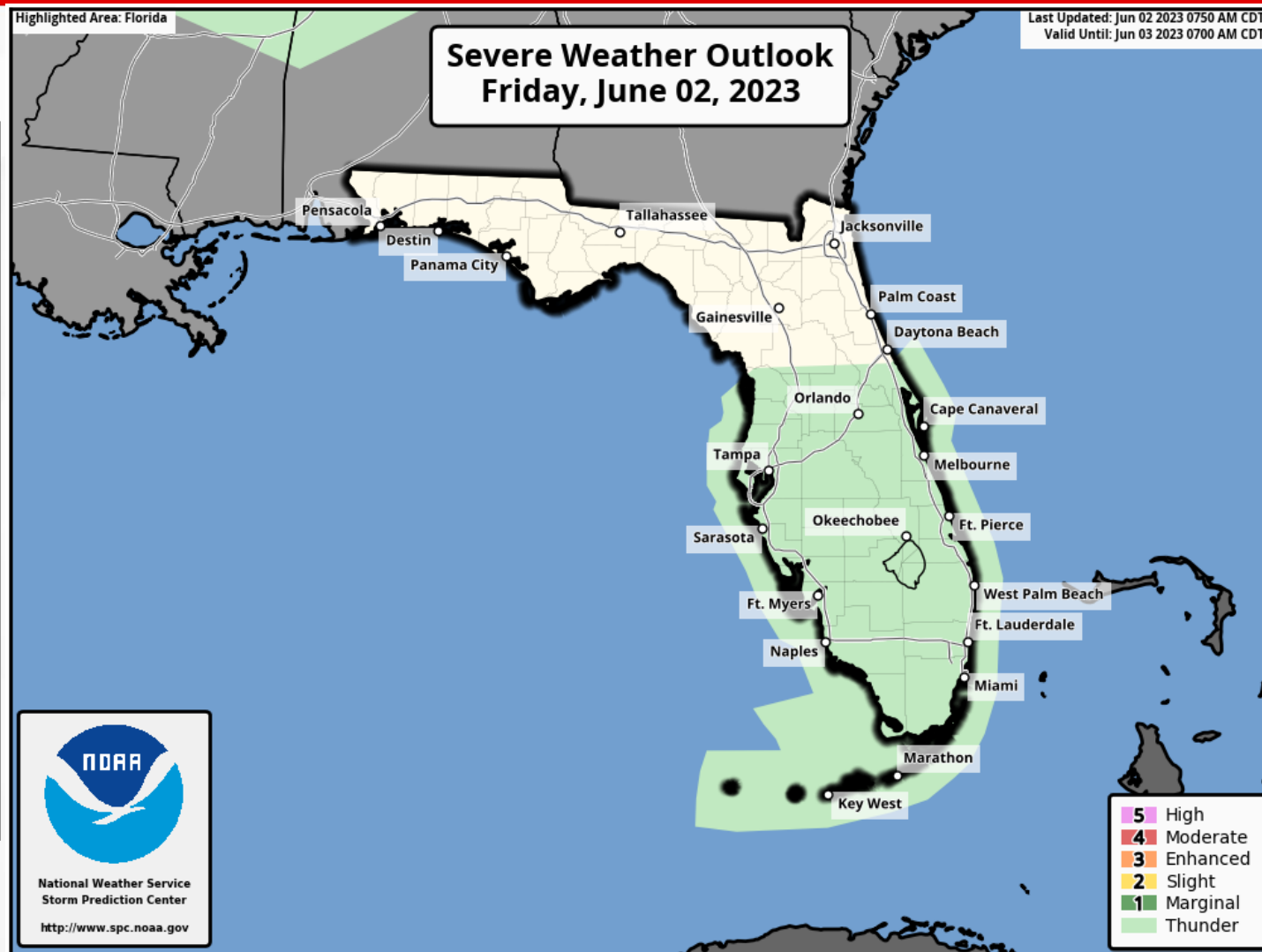
No Area/Label	MARGINAL (MRGL)	SLIGHT (SLGT)	MODERATE (MDT)	HIGH (HIGH)
Flash floods are generally not expected.	Isolated flash floods possible	Scattered flash floods possible	Numerous flash floods likely	Widespread flash floods expected
@NWSWPC	Localized and primarily affecting places that can experience 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.
Flash flooding near me?	Flash Flooding	Flash Flooding	Flash Flooding	Flash Flooding
NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding	NO Flash Flooding
  WEATHER PREDICTION CENTER				

Isolated instances of flooding and ponding of water will be possible over the Florida Peninsula today. The Weather Prediction Center (WPC) is outlooking a **Marginal Risk for Flash Flooding (level 1 of 4)** as flooding cannot be ruled out over low-lying/poor drainage areas and along the urban corridors.



Severe Weather Outlook - Today

From the Storm Prediction Center

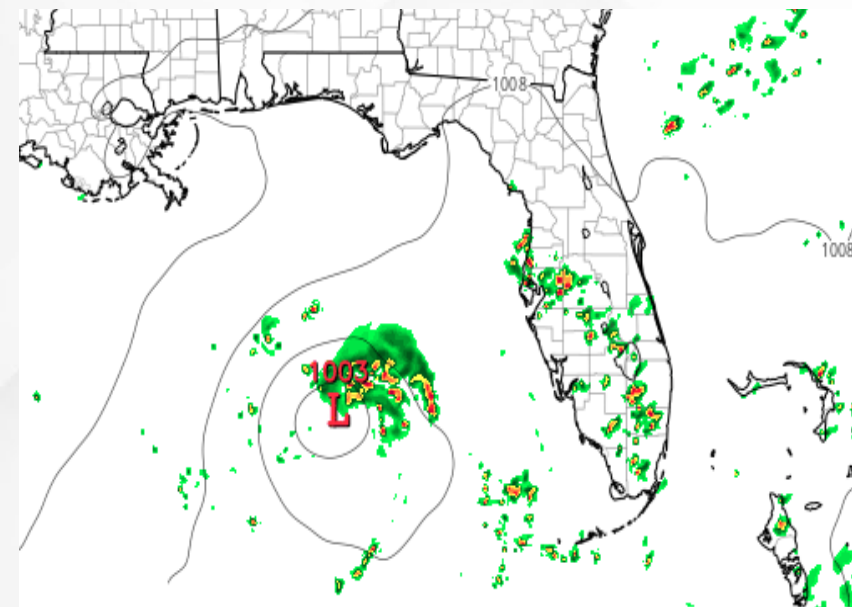


Widespread severe weather is not expected with this system. However, general thunderstorms could cause brief gusty winds, lightning, and isolated waterspouts.

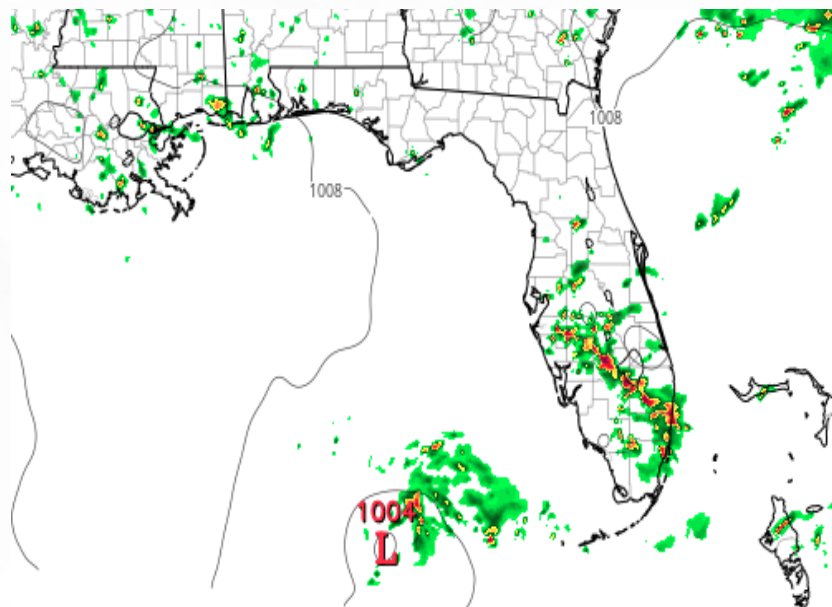


Model Forecast Radar

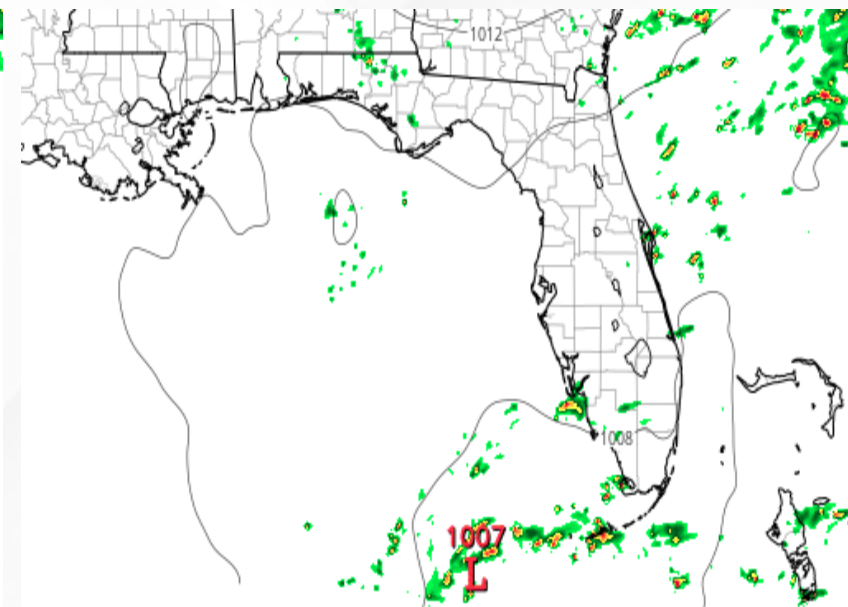
*****Only Model Guidance – Time & Position Will Vary*****



5:00 PM EDT / 4:00 PM CDT
Friday



5:00 PM EDT / 4:00 PM CDT
Saturday



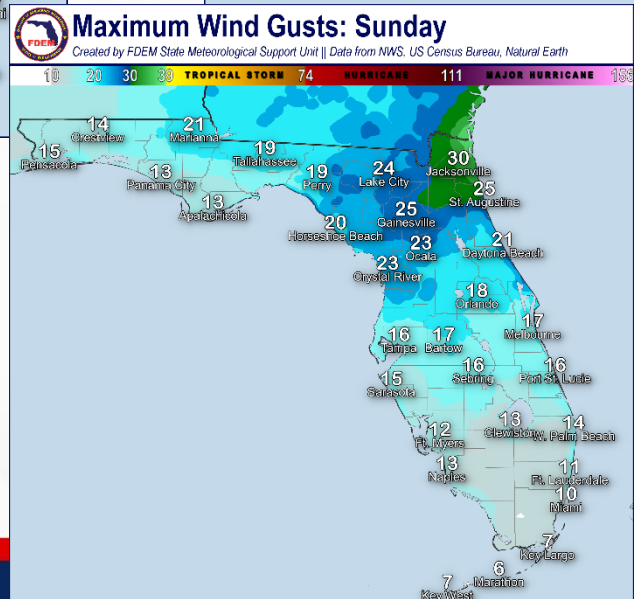
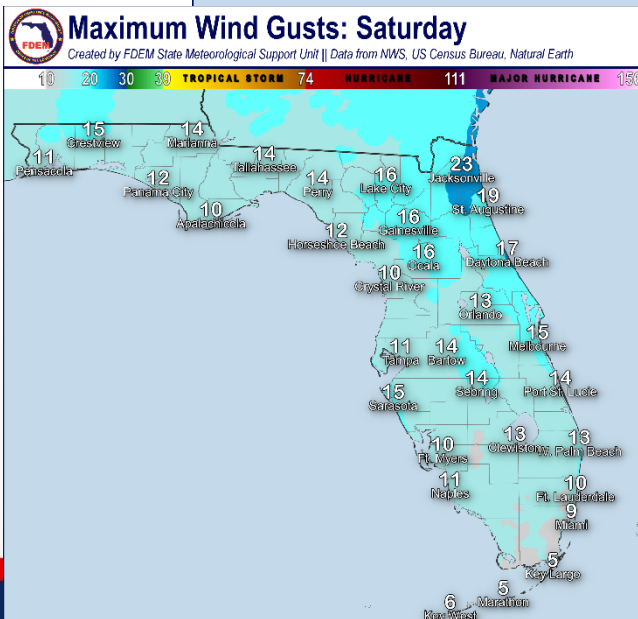
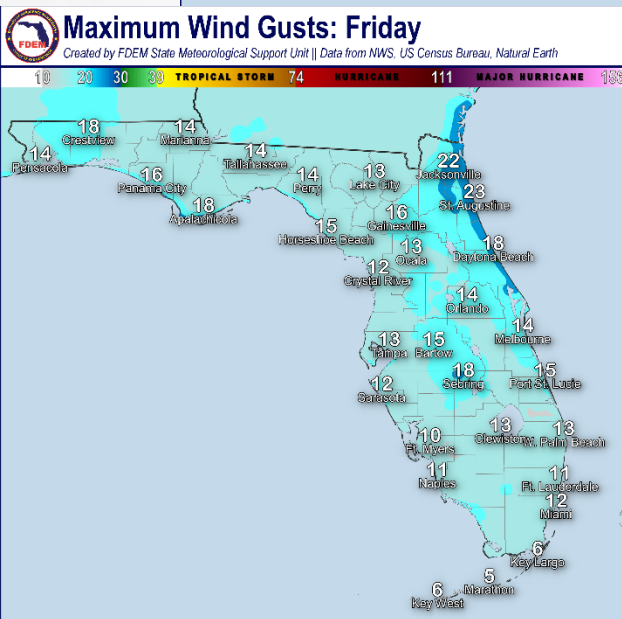
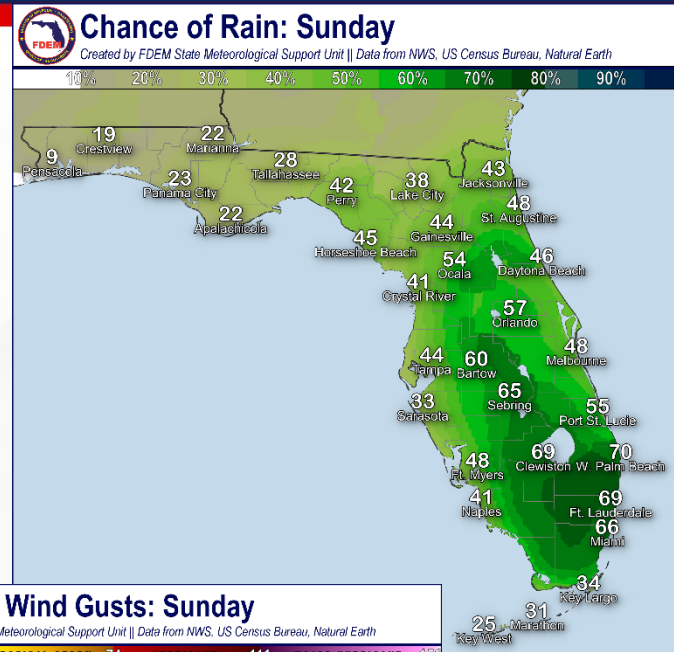
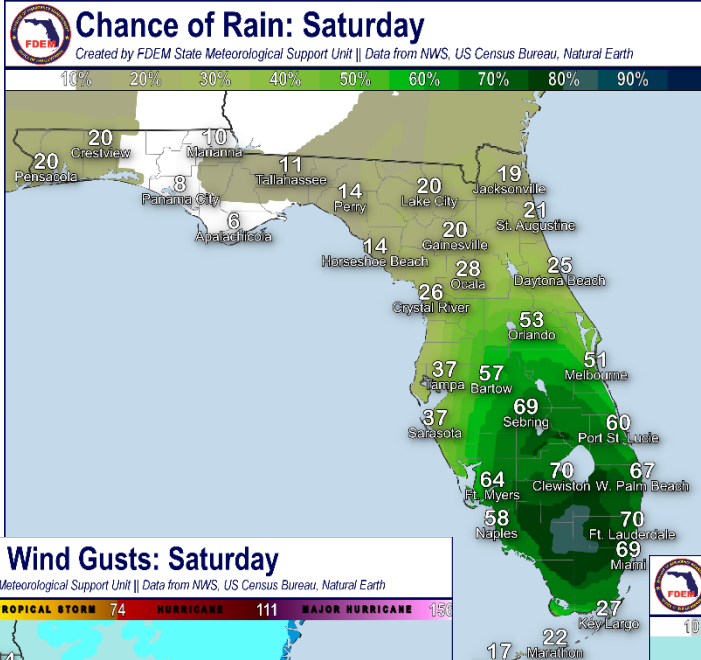
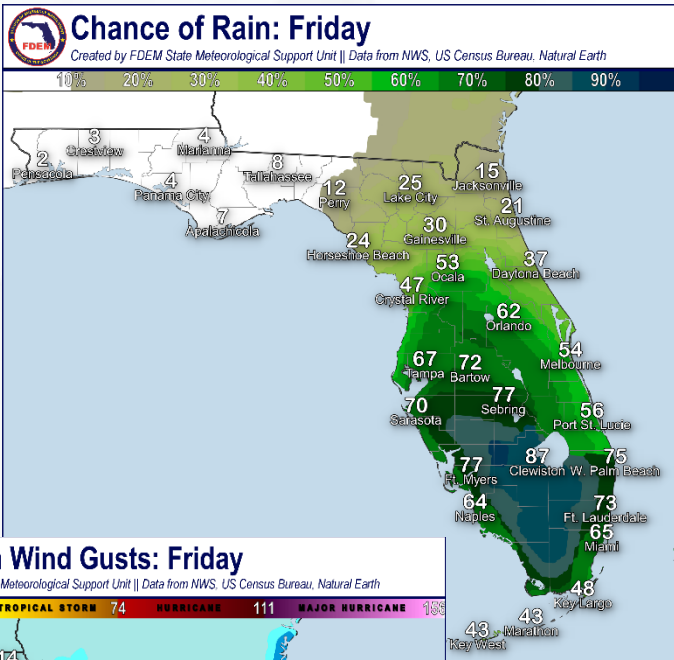
8:00 AM EDT / 7:00 AM CDT
Sunday

Tropical Depression Two will drift southward over the next few days, but scattered storms will continue to affect portions of the Peninsula with the daily afternoon sea breeze. Rain chances will decrease later this weekend as we return to a typical summertime pattern.



Forecast Rain Chances and Wind Gusts

Friday, Saturday, & Sunday





Elevated Rip Current Risk

Panhandle & East Coast Beaches



While wave heights continue to gradually subside, breezy coastal conditions will result in an elevated rip current risk into the weekend. A **high risk of rip currents** looks to continue along portions of the Florida Panhandle, and develop along the Northeast Florida Coast this afternoon.



Summary

Tropical Depression Two:

- With the 11:00 AM EDT advisory, Tropical Depression Two is located about 270 miles west of Fort Myers or about 345 miles north-northwest of the western tip of Cuba.
- The system is moving toward the south near 5 mph, and this motion is expected to continue with an increase in forward speed during today and tonight.
- Maximum sustained winds are near 35 mph; however, Tropical Depression Two remains poorly organized and asymmetrical on satellite (the center remains displaced from the main shower and thunderstorm activity).
- Dry air and stronger upper-level winds will cause the system to weaken over the next 24-48 hours, becoming a remnant low near the western tip of Cuba Saturday.
- Tropical Depression Two poses no direct threat to Florida.

Florida Outlook:

- There are no coastal watches or warnings in effect.
- Tropical moisture from Tropical Depression Two will result in scattered showers and thunderstorms across portions of the Florida Peninsula over the next 3-5 days.
 - Wind: Sustained winds across Florida are expected to remain less than 15 mph. However, daily sea breeze thunderstorms across the Florida Peninsula could result in brief wind gusts of 45-60 mph.
 - Rain/Inland Flooding: Additional rainfall totals over the next 5 days are forecast to reach 1-3" across Central and South Florida. However, locally heavy rainfall cannot be ruled out within the stronger thunderstorm activity and higher rainfall amounts of 4-6" are possible. **Flood Watches** remain in effect for portions of Southeast Florida through this evening.
 - Coastal Flooding: Coastal flooding is not expected with Tropical Depression Two. However, ocean swells from Tropical Depression Two will result in a moderate to high risk of rip currents along the Panhandle and Big Bend through Friday.
 - Tornadoes: Widespread organized severe weather is not expected with this system, but daily thunderstorms could produce isolated waterspouts or brief tornadoes.

The next briefing packet will be issued Saturday. For the latest information, please visit the [National Hurricane Center website](#).



Tropical Update



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State Meteorological Support Unit

Florida Division of Emergency Management

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