



TROPICAL UPDATE



11:00 AM EDT

Monday, May 30, 2022

Southern Gulf of Mexico Low (40%)

Middle to Late This Week

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.



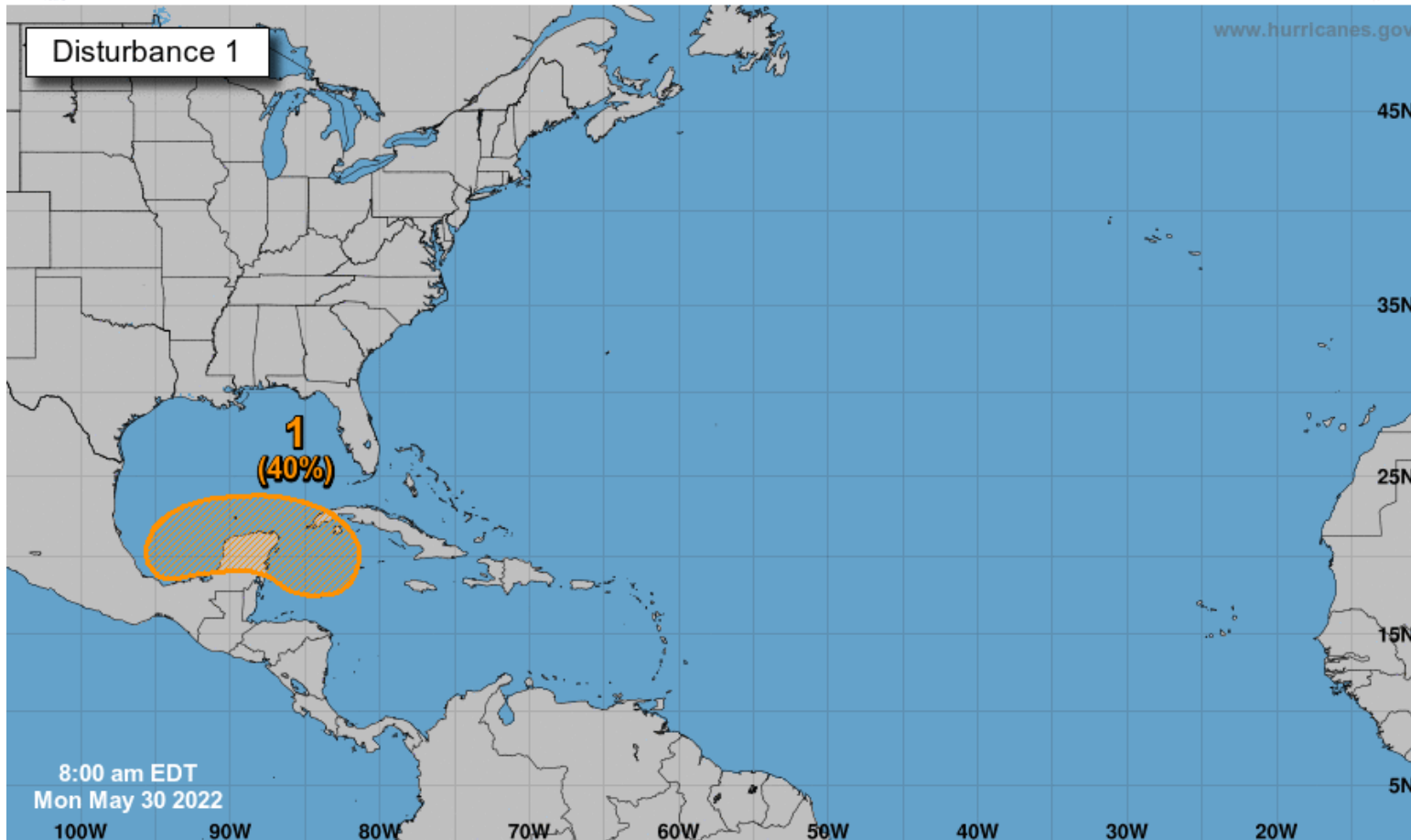
Tropical Weather Outlook

Possible Area of Development During the Next 5 Days ([LINK](#))



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



A large and complex area of low pressure is expected to develop across Central America, the Yucatan Peninsula, and the southwest Gulf of Mexico in a few days, partially related to the remnants of Hurricane Agatha from the eastern Pacific. Some gradual development is possible within this system in the far southwest Gulf of Mexico around mid-week or in the northwest Caribbean by the latter part of this week as it drifts eastward or northeastward toward Cuba, the Florida Peninsula, and the Bahamas.

***Formation chance through 48 hours...low...0%**

***Formation chance through 5 days...medium...40%**

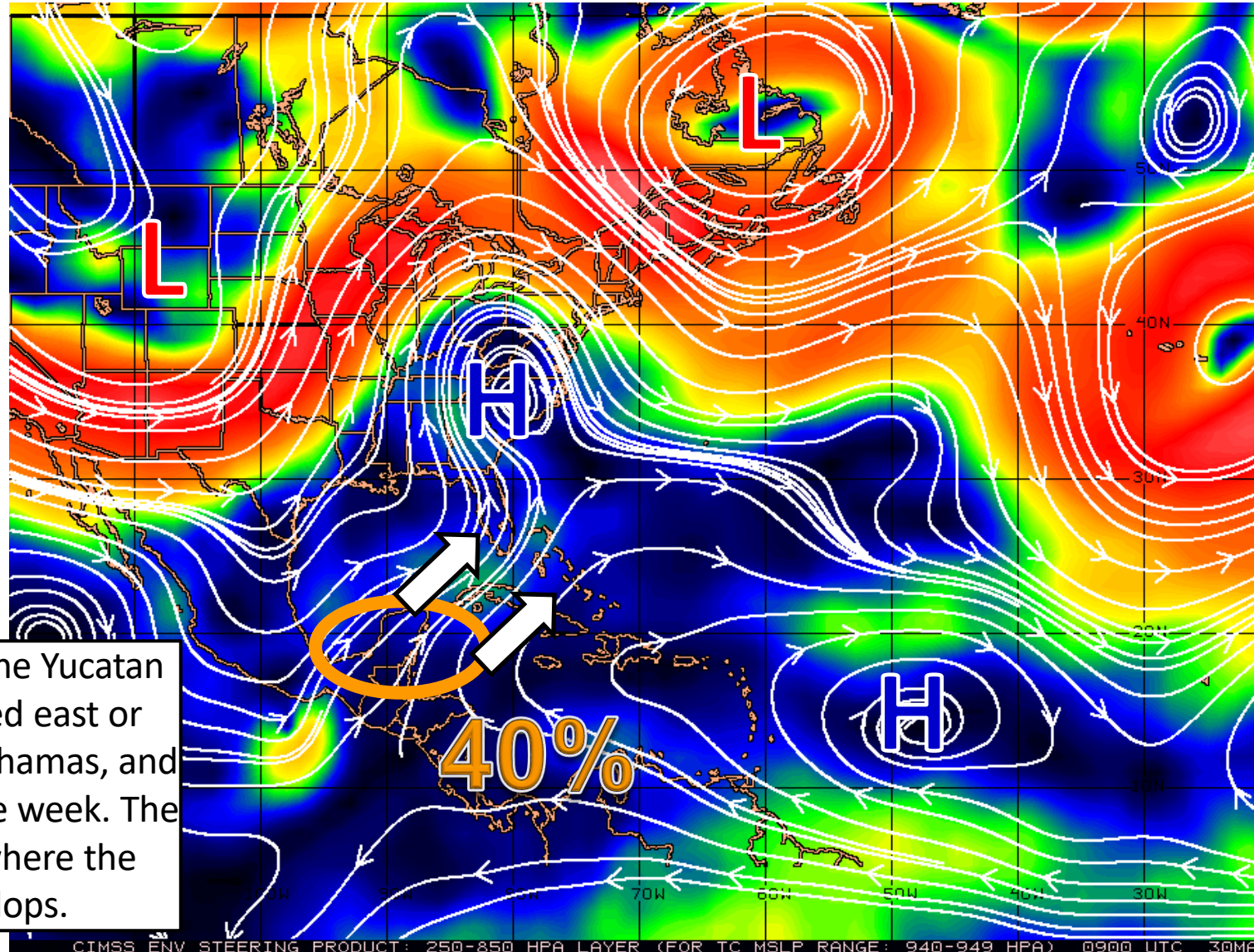
Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone or Remnants



Steering Currents

What is Moving the System?

Color denotes the movement speed through the atmosphere and thin white lines denote direction. Tightly clustered white lines represent faster movement as well.



Fast Moving Storm

Fast Moving Storm

Typical Moving Storm

Slow Moving Storm

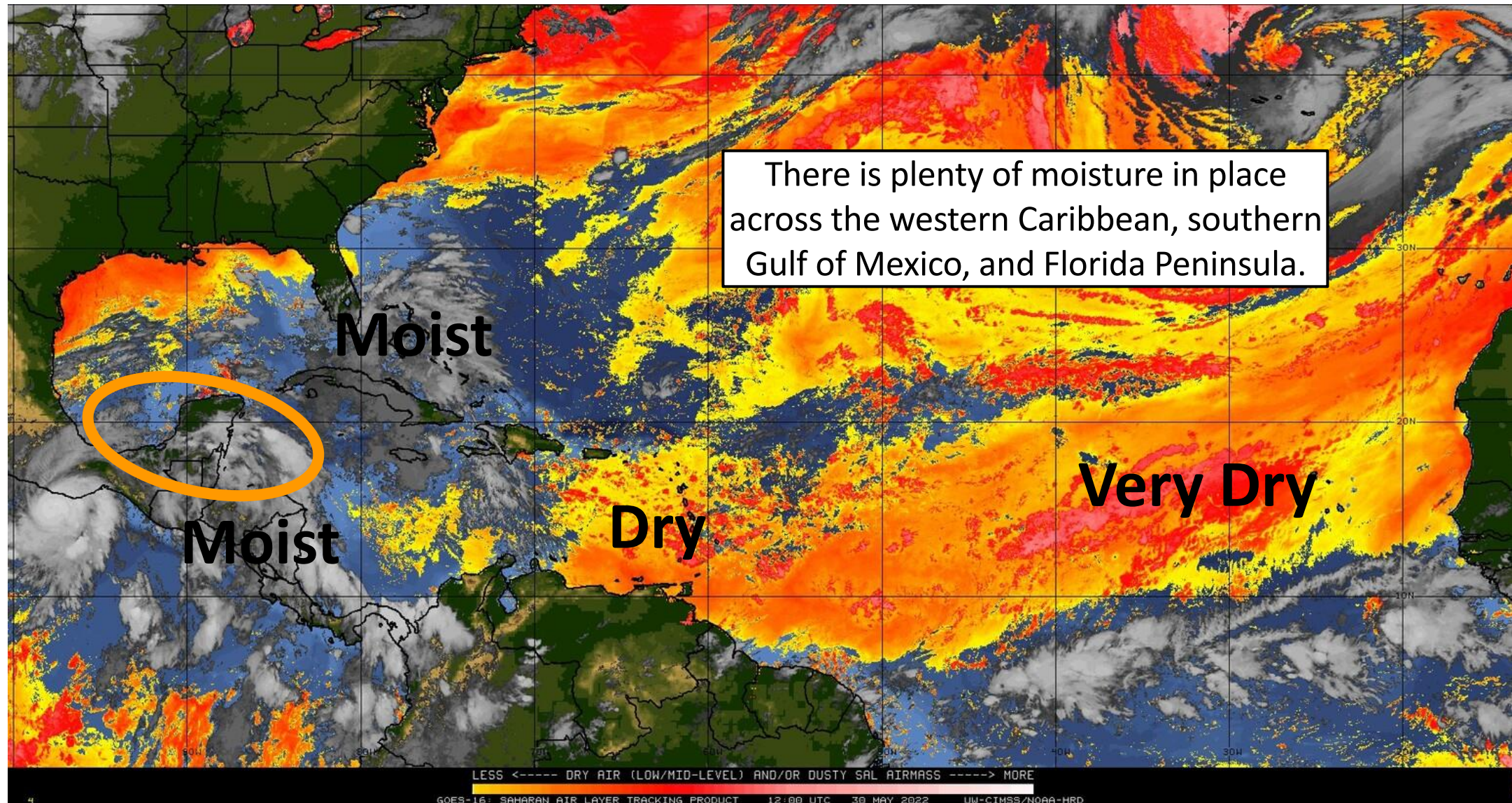
Anything that develops near the Yucatan Peninsula is going to be pulled east or northeast toward Cuba, the Bahamas, and the Florida Peninsula late in the week. The exact track will depend on where the system specifically develops.



Dry Air & Saharan Dust

Is the environment favorable for the system?

Color denotes concentration of Saharan Dust or dry, stable air.





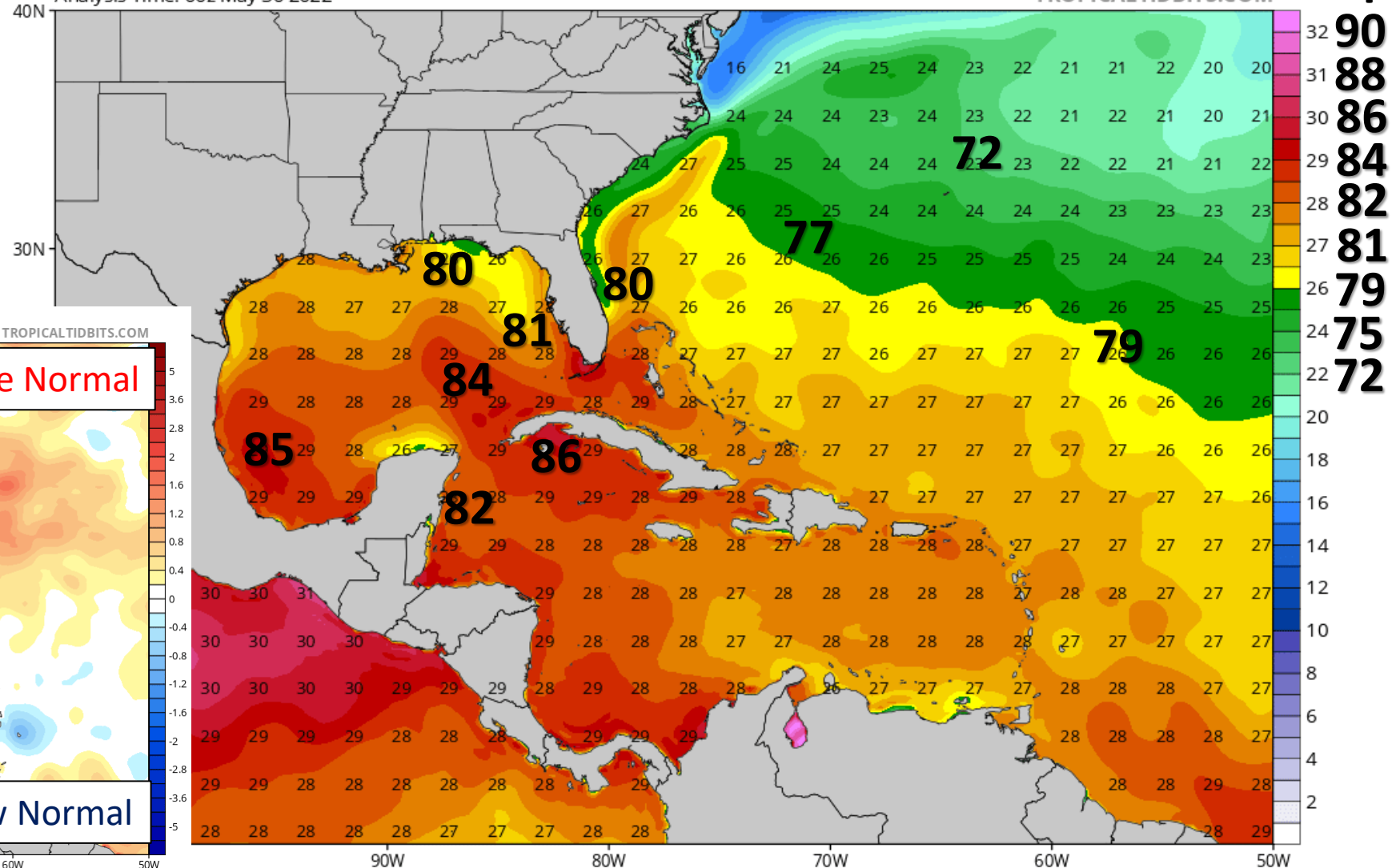
Sea Surface Temperatures & Anomalies

Is the ocean favorable for the system?

Temperatures are warm enough to support tropical development across the Gulf of Mexico, Caribbean, and western Atlantic. Water temperatures are running a few degrees above normal for this time of year.

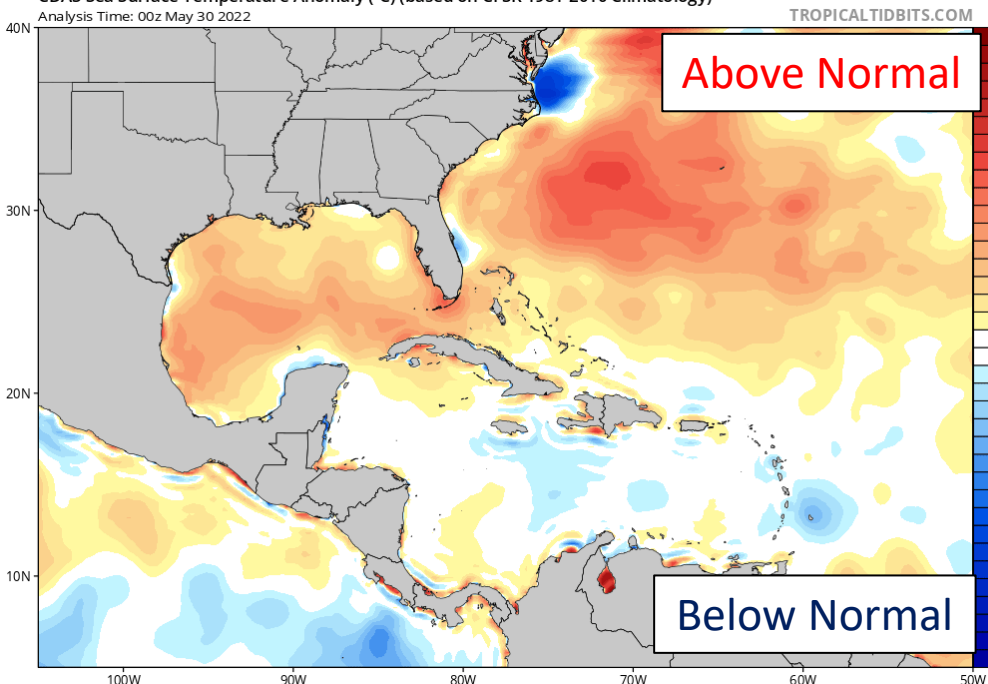
CDAS Sea Surface Temperature (°C)

Analysis Time: 00z May 30 2022



CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 00z May 30 2022





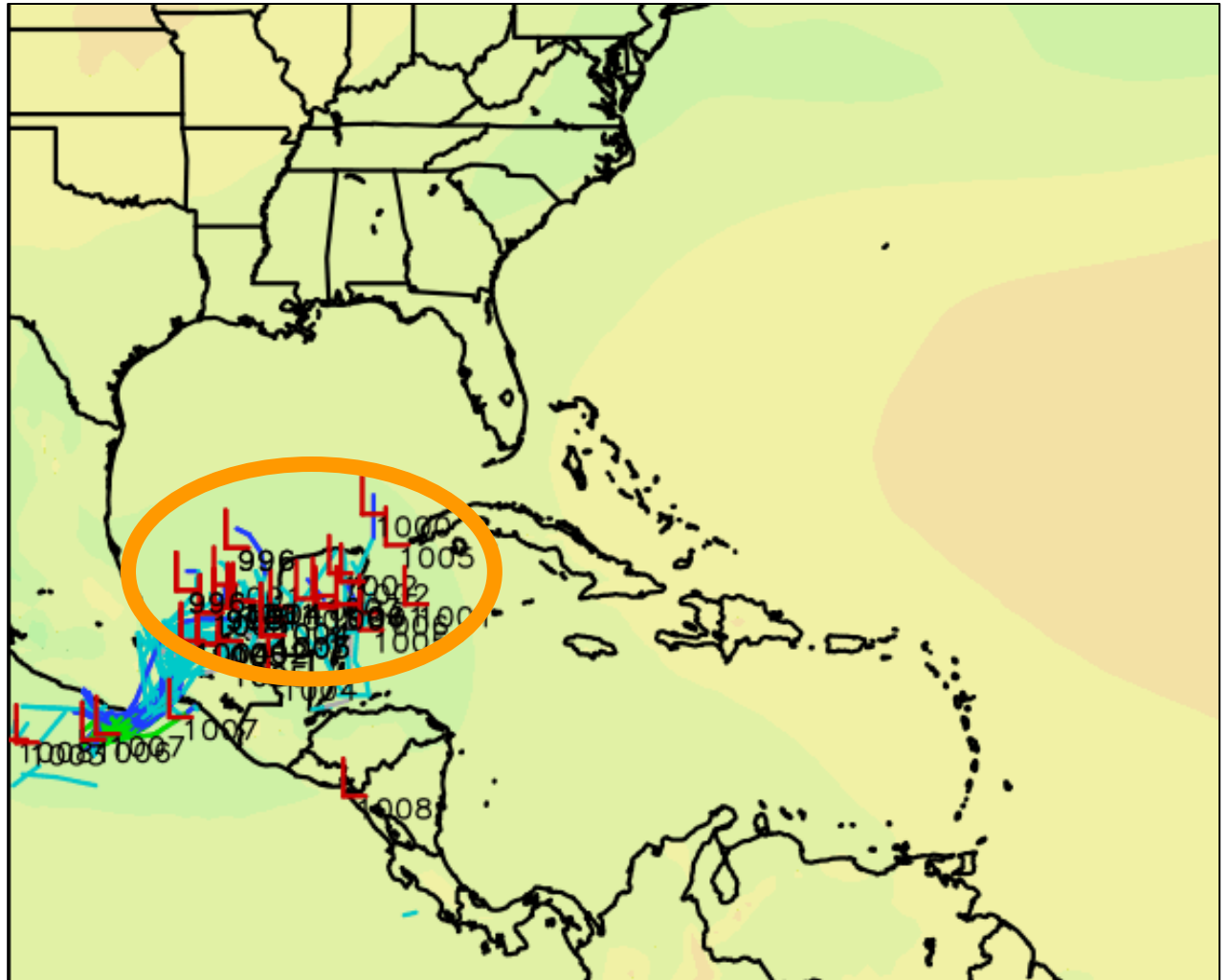
Model Forecasts - Thursday

Area of Potential Low Pressure Development

An area of low pressure will be developing near the Yucatan Peninsula near Wednesday or Thursday.

The system will begin to move east or northeast by the end of the week

Impacts to Florida are NOT expected through Thursday.





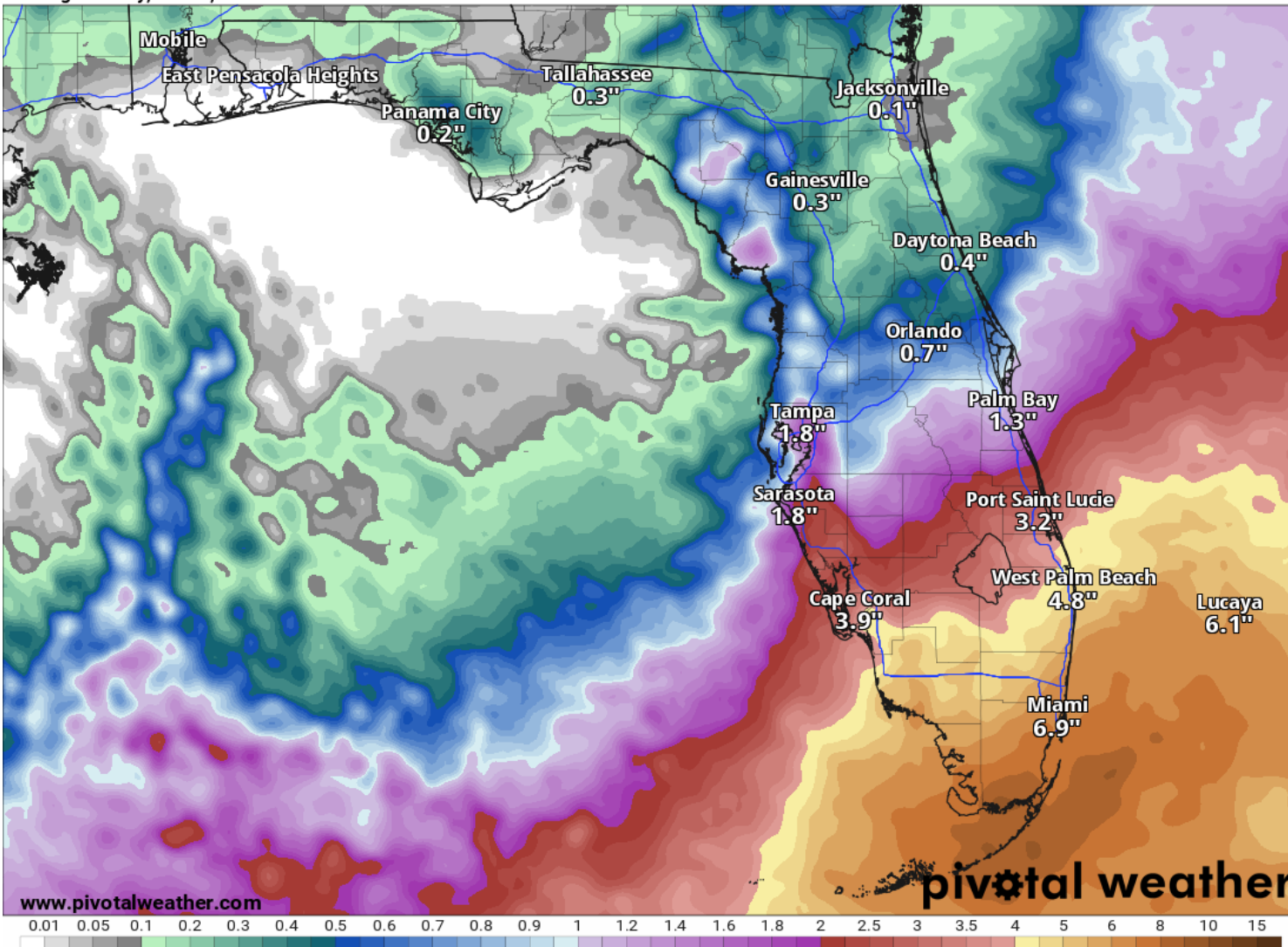
Rainfall Totals Next 7 Days

Ending 8 AM ET Monday

7-Day Precipitation (in)

Ending Monday, Jun. 6, 2022 at 8 a.m. EDT

Init: Mon 2022-05-30 12z WPC



Through Thursday night, a widespread 1-3\" of rain is forecast across South Florida and along the West Coast, with more isolated totals in North Florida. Localized areas could see 4-5\" over the next few days, *but the flood threat will be localized and confined to urban areas.*

Heavier rainfall is possible in South Florida Friday, Saturday, and Sunday depending on the exact track of the developing low near the Yucatan Peninsula. A widespread 3-6\" is currently being forecast for this weekend, with localized areas of 8-12\". *These rainfall totals could increase and result in a more organized flash flood threat.*



Severe Weather Outlook Tuesday

From the Storm Prediction Center – **Unrelated to the Tropics**

5 - High

Widespread severe storms expected

4 - Moderate

Widespread severe storms likely

3 - Enhanced

Numerous severe storms possible

2 - Slight

Scattered severe storms possible

1 - Marginal

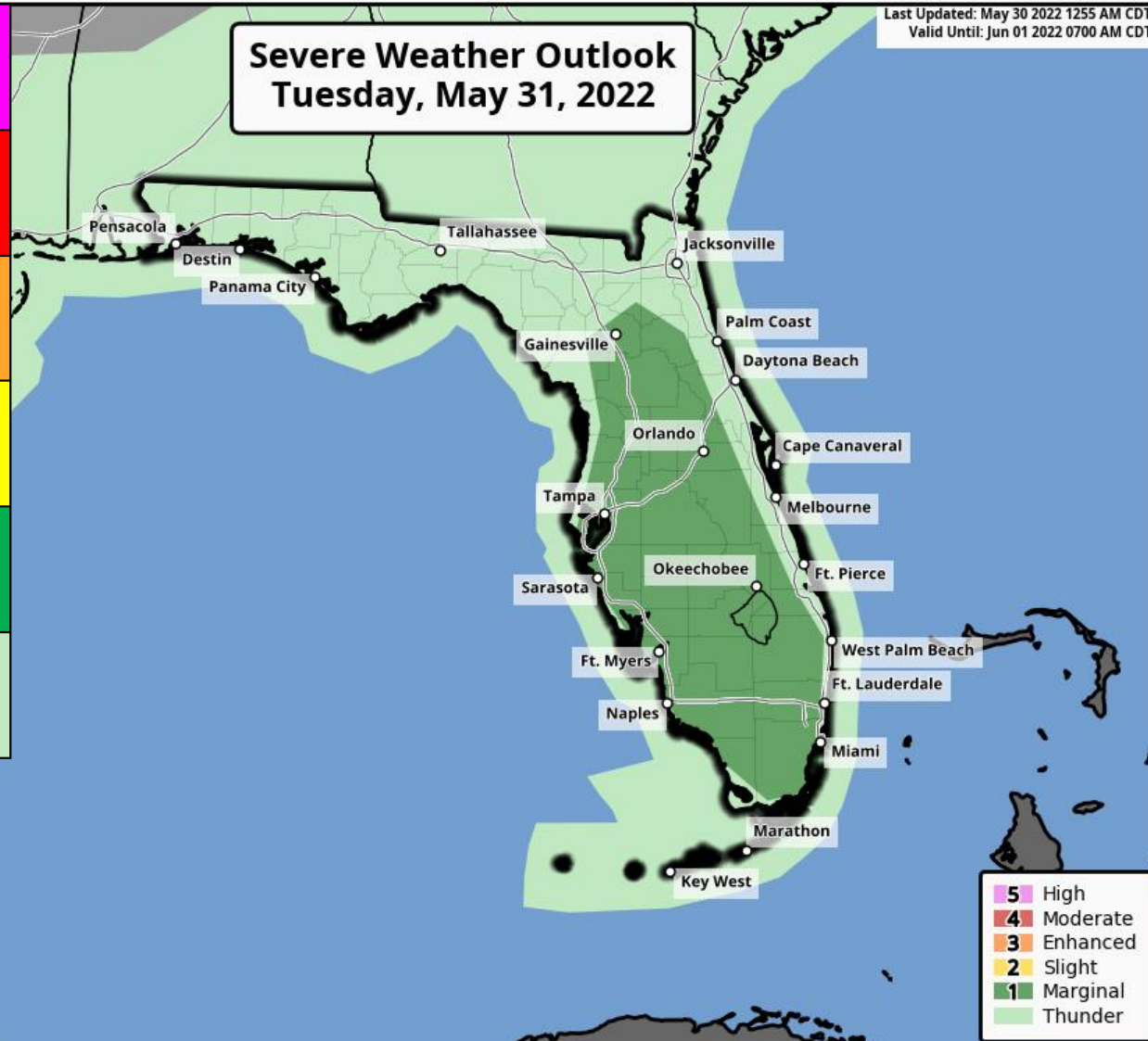
Isolated severe storms possible

Thunderstorms

No severe storms expected

Severe Weather Outlook Tuesday, May 31, 2022

Last Updated: May 30 2022 1255 AM CDT
Valid Until: Jun 01 2022 0700 AM CDT



Unrelated to the system being tracked near the Yucatan Peninsula, numerous thunderstorms are expected across the Florida Peninsula over the next few days.

A few storms could be strong to severe each day, with the best chance of severe weather Tuesday afternoon.

Damaging wind gusts of 45-60 mph and hail from dime to quarter size will be the main threat, in addition to heavy rainfall and waterspouts.

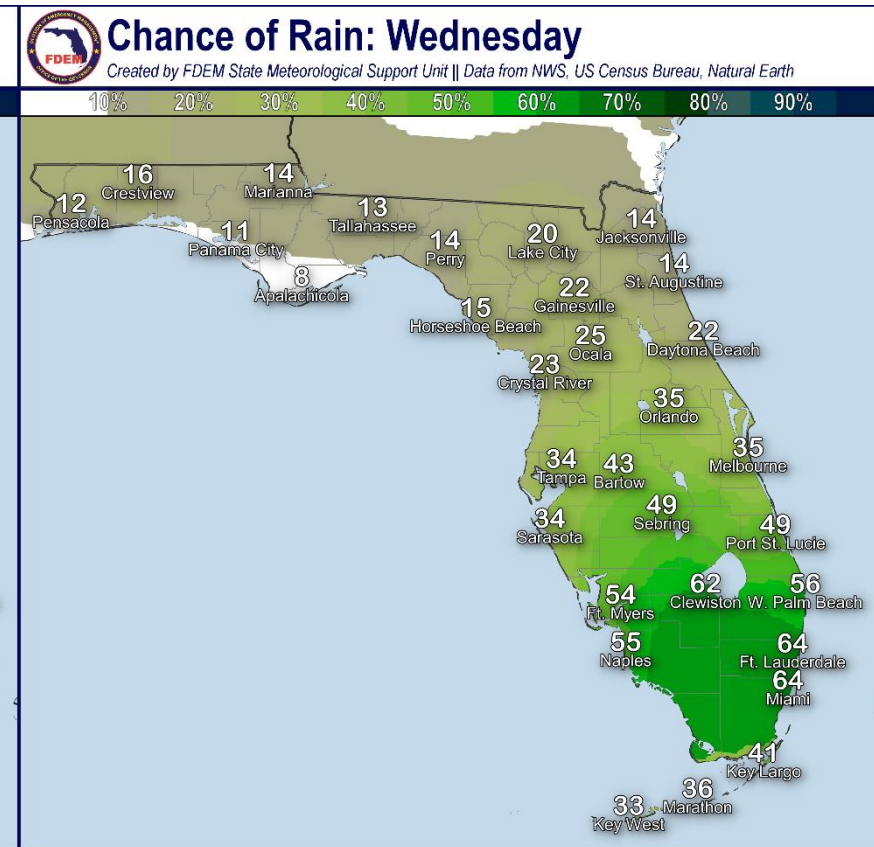
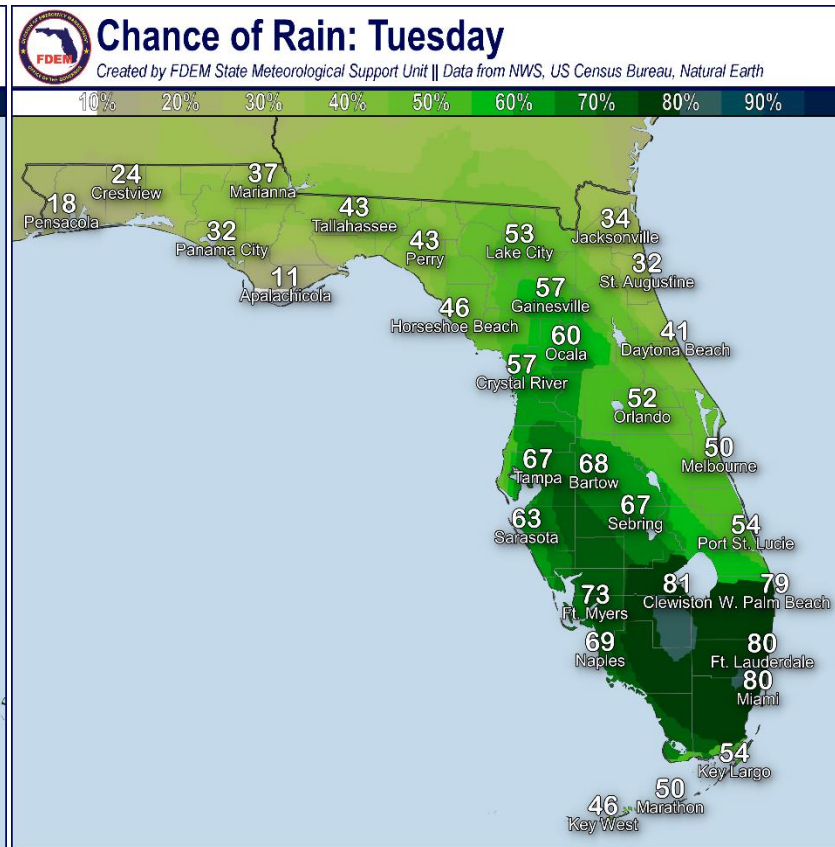
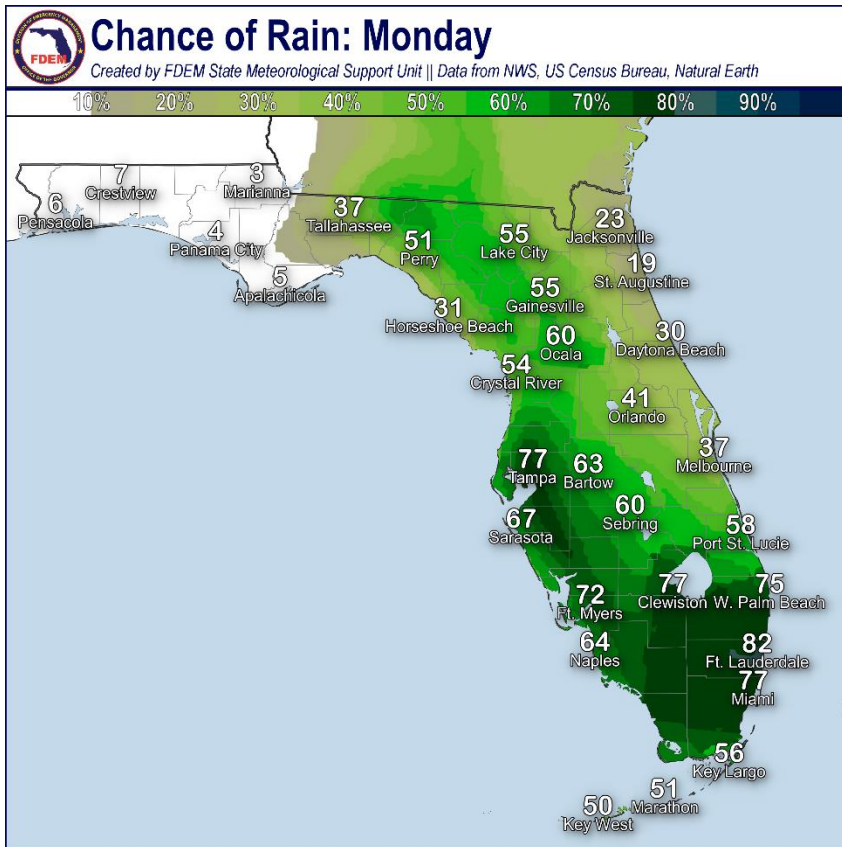


National Weather Service
Storm Prediction Center
<http://www.spc.noaa.gov>



Forecast Rain Chances

Mid-Week – **Unrelated to the Tropics**



High rain chances will continue through mid-week across the Peninsula, but particularly south of Lake Okeechobee. Localized flooding and a few strong to severe thunderstorms are possible.



Overall Summary

Southern Gulf of Mexico Low

- An area of low pressure is expected to develop near the Yucatan Peninsula during the middle of the week.
- Late in the week into the upcoming weekend, the area of low pressure is likely to move east or northeast toward Cuba, the Bahamas, and the Florida Peninsula.
- The environment over the Gulf of Mexico and western Caribbean may allow some development of the area of low pressure into a tropical storm.
- The National Hurricane Center has a 0% chance of development in the next 48 hours, but a **40% (medium) chance** over the next 5 days.

Florida Outlook:

- Impacts to Florida, if any, are not expected through Thursday night.
- While it is too early to determine the specifics of any impacts, if they do occur, heavy rainfall is likely to be the main threat.
- The first name on the list for the 2022 season is Alex.
- Unrelated to the tropics, rain chances will remain high across the Florida Peninsula through mid-week. Heavy rainfall with localized flooding in urban areas and a few severe thunderstorms are possible each day through Wednesday.

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



TROPICAL UPDATE



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