

TROPICAL UPDATE



5:00 PM EDT
Wednesday, June 3, 2020
Tropical Storm Cristobal

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.



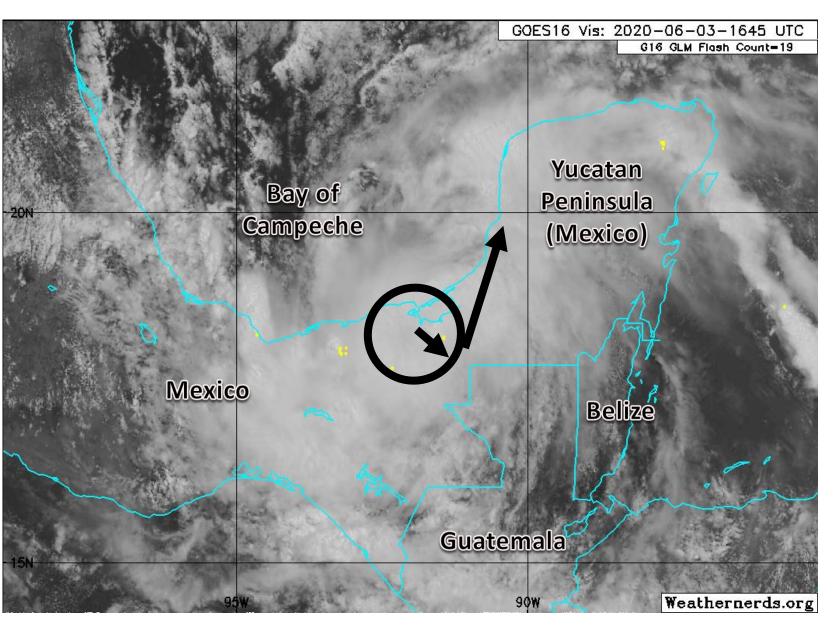
Take Home Messages

- Heavy showers and thunderstorms will be possible at any time statewide through early next week with disruptions to field operations.
- Thunderstorms may track over the same areas resulting in isolated flash flooding in urban areas anywhere across the state through Saturday
- More focused flood threat develops from the Panhandle to the Nature Coast Saturday Night-Monday as a result of Tropical Storm Cristobal
- Other impacts from Cristobal are unknown at this time, but minor coastal flooding, minor beach erosion, isolated tornadoes, and minor to moderate river flooding seem increasingly likely late this weekend in the Panhandle

Atlantic Basin Satellite Image

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

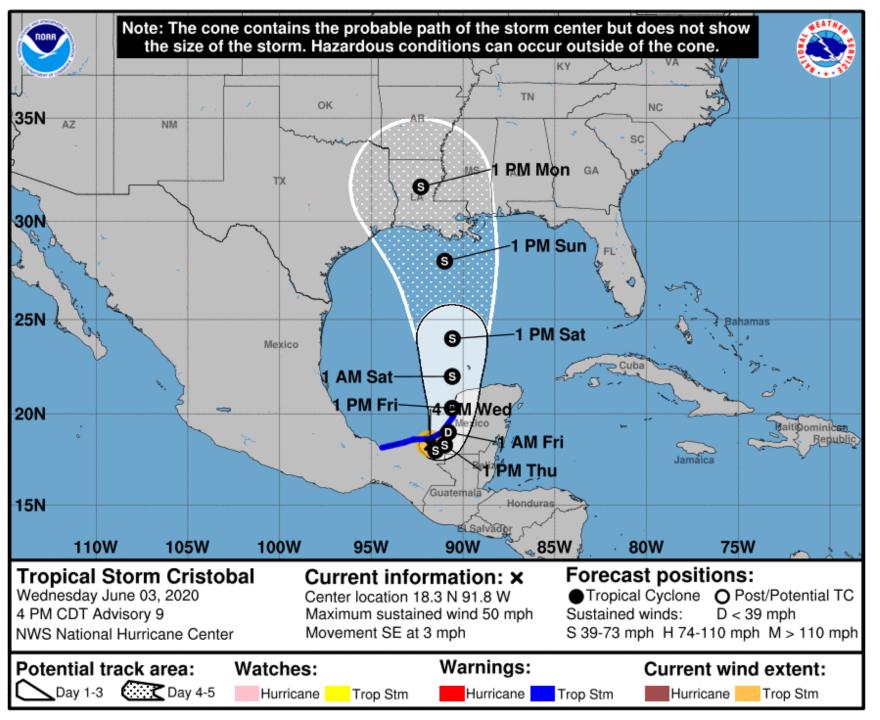




Visible Satellite Imagery: Tropical Storm Cristobal

The center of Cristobal (black circle) moved inland this morning and continues to move further inland this afternoon. Much of the land in the area is rather flat and marshy, and this will lead to a gradual weakening. Cristobal will approach the northern Gulf Coast on Sunday or Monday.

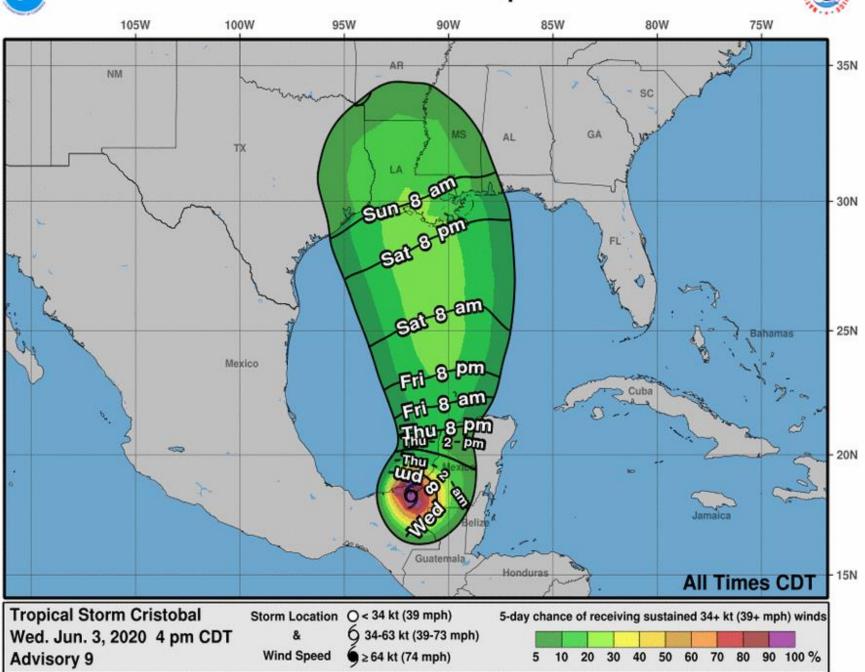
Cristobal will likely weaken to a tropical depression as it remains over land, but should restrengthen once it moves back over water.



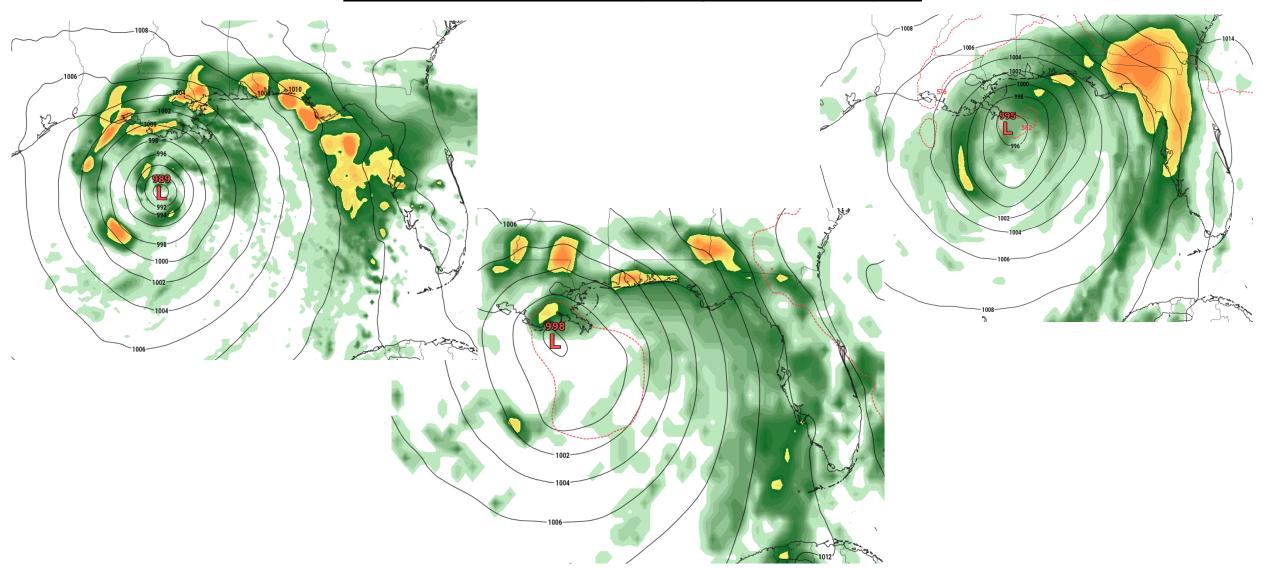
Projected Path: Tropical Storm Cristobal

- The center of Cristobal is located about 20 miles south of Ciudad del Carmen, Mexico, or about 785 miles southwest of Key West, FL.
- Maximum sustained winds are at 50 mph.
- The system will meander just inland over Mexico for the next couple of day before turning northward late Thursday or Friday.
- On Sunday, the system is likely to be approaching the northern Gulf Coast.

Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Even with landfall well west in Louisiana, there is consensus on heavy rainfall in the Panhandle Saturday Night-Monday

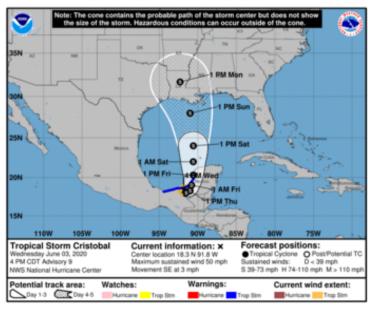




Key Messages for Tropical Storm Cristobal Advisory 9: 4:00 PM CDT Wed Jun 03, 2020



- 1. Damaging and deadly flooding has already occurred in portions of Mexico and Central America. Cristobal is expected to produce additional extreme rainfall amounts through the end of the week. The heaviest additional rainfall is expected over far southern Mexico and portions of the Yucatan Peninsula, while also extending along the Pacific coast from Chiapas to Guatemala and El Salvador. This rainfall could cause widespread life-threatening flash floods and mudslides.
- 2. Even though Cristobal has made landfall, tropical storm conditions will continue along and near the coast of Mexico through Thursday, especially over western Campeche, eastern Tabasco, and northern Chiapas states.
- 3. Cristobal is forecast to re-emerge over the southern Gulf of Mexico Friday or Friday night and move northward over the central and northern Gulf of Mexico over the weekend. There is a risk of storm surge, heavy rainfall, and wind impacts beginning over the weekend along portions of the U.S. Gulf Coast from Texas to the Florida Panhandle. While it is too soon to determine the exact location, timing, and magnitude of these impacts, interests in these areas should monitor the progress of Cristobal and ensure they have their hurricane plan in place.





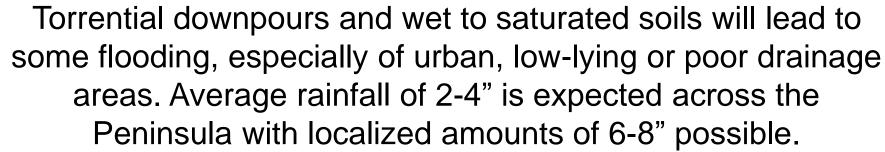
For more information go to hurricanes.gov



Flood Watches

Through 4 PM EDT Saturday

Links: NWS Tampa Bay | NWS Melbourne | NWS Miami



Some parts of the Treasure Coast, particularly in Martin County, have seen 5-10" of rainfall today, and additional rainfall will likely lead to flooding in these areas.

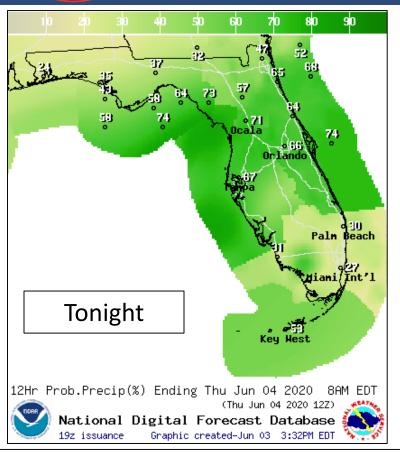
Additional Flood/Flash Flood Watches may be needed elsewhere across the state later this week into the weekend.

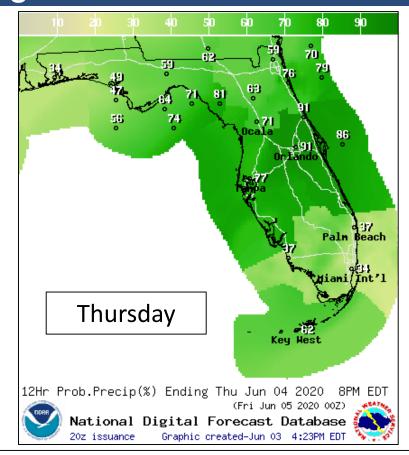


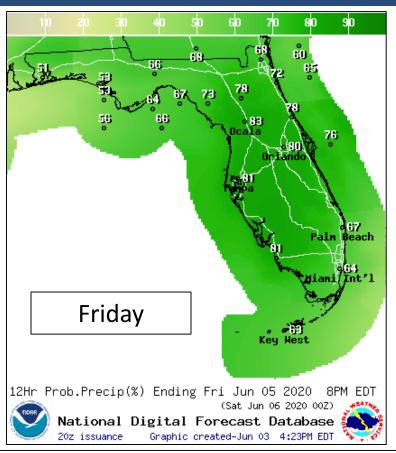


Tonight - Friday

Timing the Event – Not Cristobal Rainfall







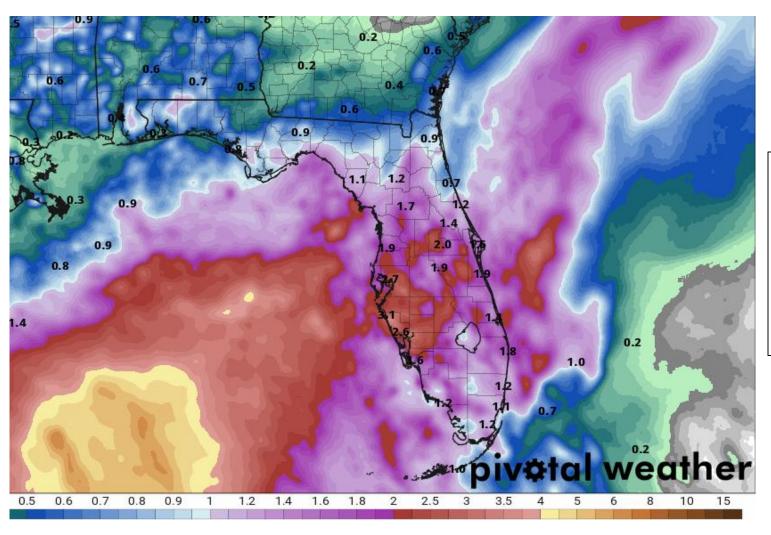
Scattered showers and thunderstorms develop during the afternoon and evening, with the best chance of strong thunderstorms across the Panhandle and West Coast of the Peninsula. However, rain will overspread much of the Peninsula tonight and the entire state through the end of the week as tropical moisture spreads in.

Localized flooding will be possible each day where heavier storms set up.



Rainfall Totals Through Friday

Timing the Event

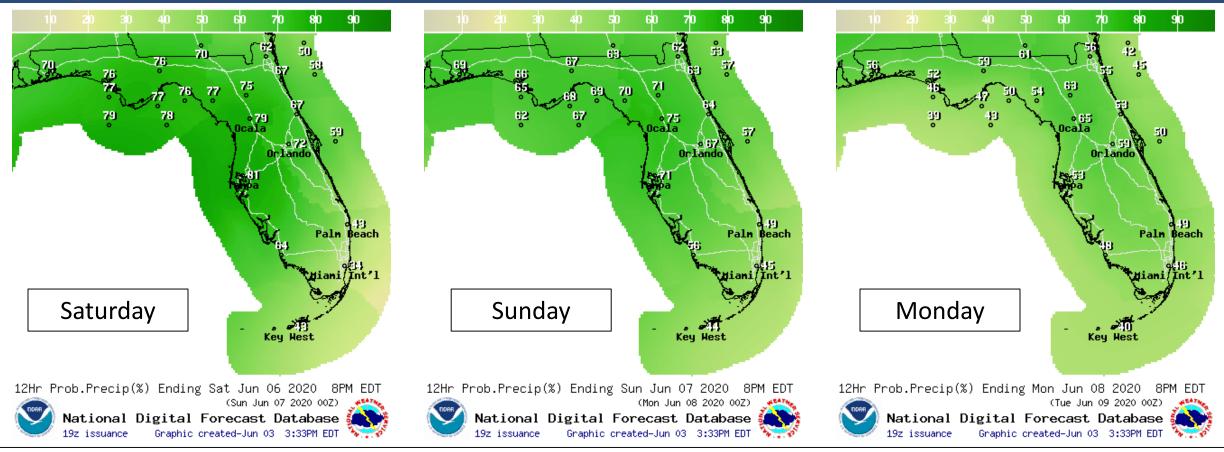


Without any direct rain bands from Cristobal, much of the state will receive 1-3" of rain, with localized areas getting 4-6" through Friday evening. This could result in some isolated flash flooding, especially in urban areas.



Saturday - Monday

Timing the Event – Cristobal Rainfall

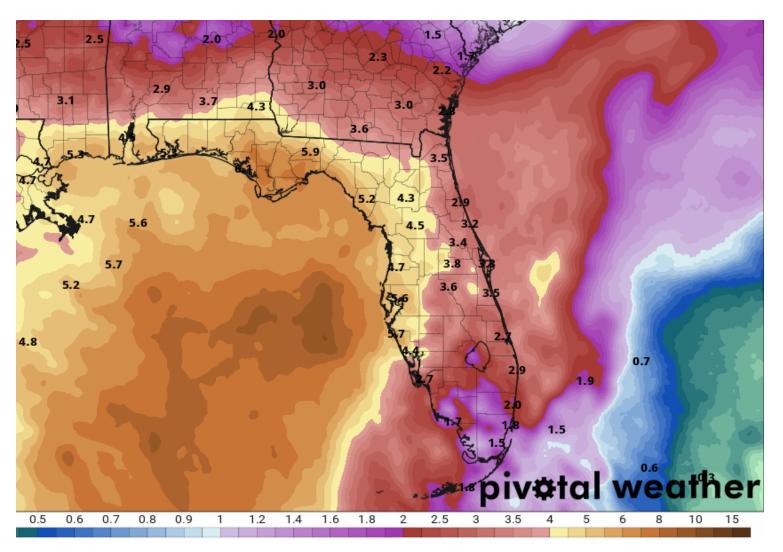


Rounds of rain and with isolated thunderstorms are possible through the weekend as Cristobal approaches and makes landfall along the northern Gulf Coast. Heavier bands of rain may also set up across parts of the state, which will cause very heavy rain in localized locations. The threat for flash flooding is increasing. However, the forecast is very dependent on the track and evolution of Cristobal.



Rainfall Totals Through Tuesday

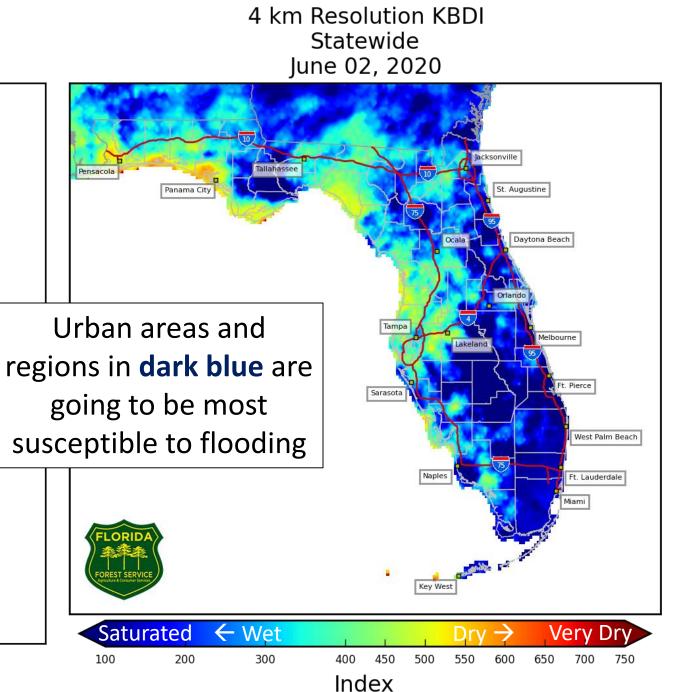
Timing the Event



Through next Tuesday, widespread rainfall totals of 3-6" are expected across much of the state with 5-7" possible in the Panhandle and Big Bend. Locally higher totals are possible.

This could result in flash flooding, especially in urban areas. Training rain bands will also increase the risk of flooding. River flooding will also be possible across North Florida this weekend into next week.

Keetch Byram Drought Index (KBDI) County Averages for June 02, 2020





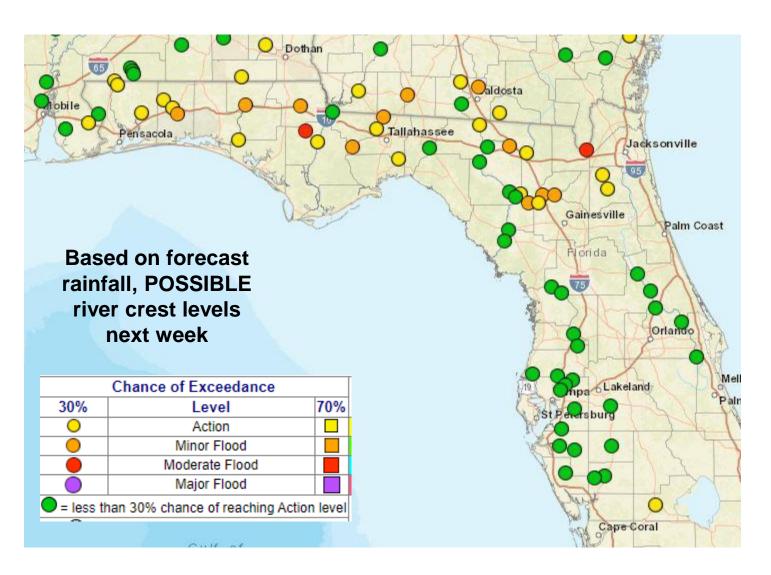
200-299

550-599



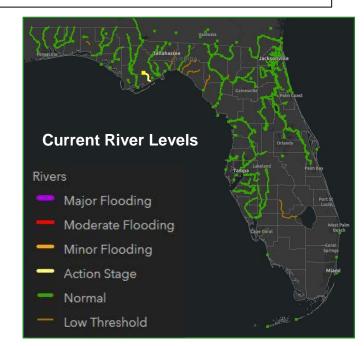
Possible River Flooding

Starting Early Next Week



Widespread minor and isolated moderate river flooding seems likely starting early next week due to the forecasted rainfall totals.

Current low river levels across the state will help to minimize river impacts.



Summary

Tropical Storm Cristobal

- As of 5 PM ET, the center of Cristobal is located just inland over the Yucatan Peninsula about 20 miles south of Ciudad del Carmen, Mexico, or about 785 miles southwest of Key West, FL, moving south-southeast at 3 mph.
- Maximum sustained winds have decreased to 50 mph and gradual weakening is forecast now that the center is over land. Cristobal is expected to become a tropical depression by Thursday evening.
- Cristobal will meander near the coast of the Yucatan Peninsula over the next couple of days before eventually lifting northward by late Thursday or Friday.
- This weekend, the system will continue to move northward and will approach the northern Gulf Coast Sunday/Monday. DETAILS ARE UNKNOWN.
- Indirectly related to the system, tropical moisture will increase across the Gulf Coast through the end of the week, raising daily rain chances.

Florida Outlook:

- Cristobal will have no direct impacts to Florida through Friday, but widespread rainfall is likely by this weekend.
- Tropical moisture returns to the state indirectly associated with Cristobal starting Wednesday night and lasting into the weekend. This could
 lead to localized flooding each day.
- The rip current risk and wave heights will begin to increase along the Gulf Coast later this week- particularly in the western Panhandle.
- Confidence is increasing in the threat of flash flooding or river flooding this weekend.
- A widespread 3-6" of rain is forecast to fall across the state over the next week. This will come from multiple rounds of rainfall over multiple days. Rain bands and training thunderstorms will result locally higher amounts, perhaps up to 6-12".

The next briefing packet will be sent out Thursday morning with the 11 AM ET advisory. For the latest information on the tropics, please visit the National Hurricane Center website at www.hurricanes.gov.



TROPICAL UPDATE



Created by:

Cameron Young, Assistant State Meteorologist

<u>Cameron.Young@em.myflorida.com</u>

State Meteorological Support Unit

Florida Division of Emergency Management

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