



TROPICAL UPDATE

8 AM EDT

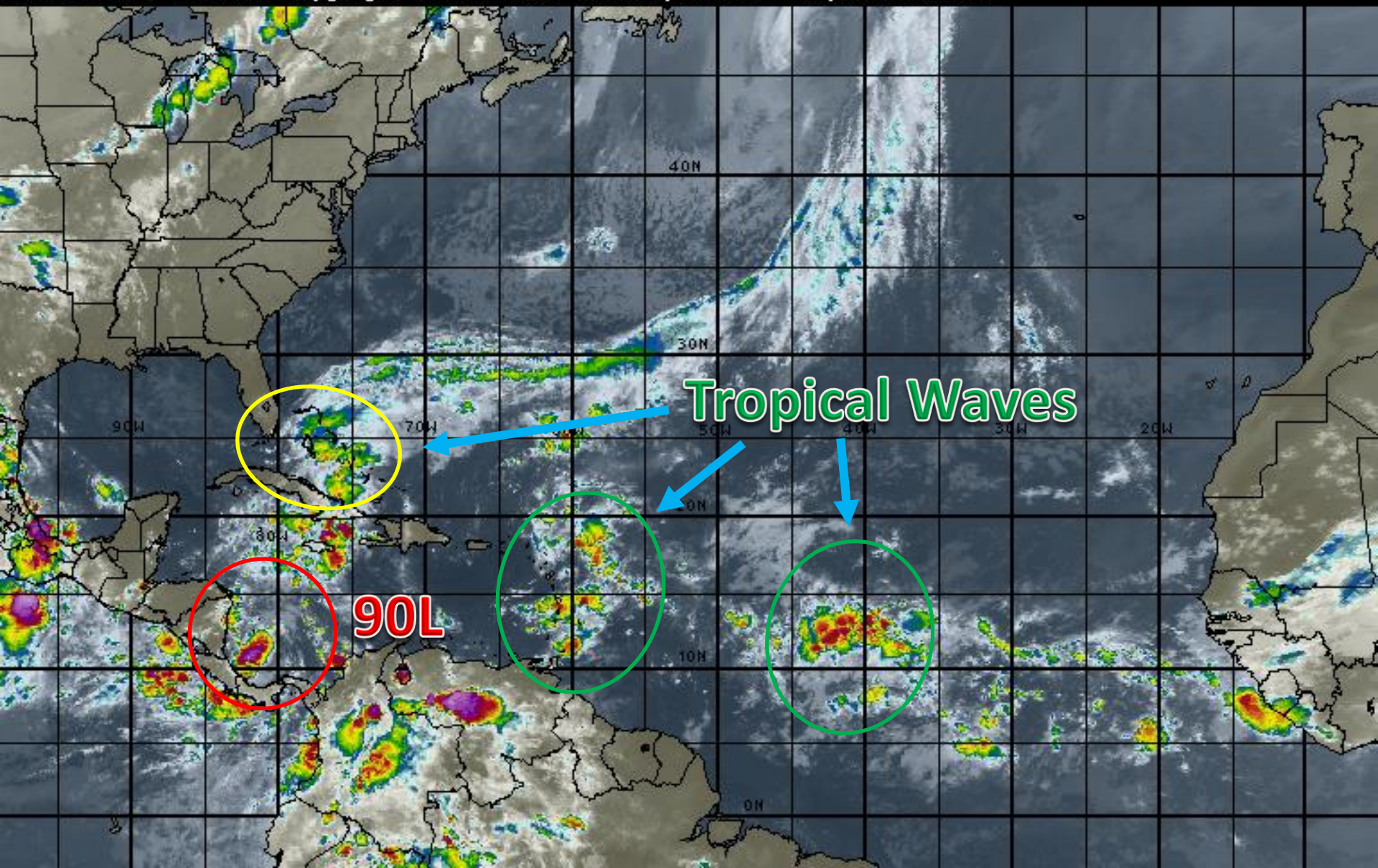
Wednesday, October 4, 2017

**Caribbean Disturbance Invest 90L (90%) &
Bahamas Disturbance (near 0%)**

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.nhc.noaa.gov.

Atlantic Basin Satellite Image

09:00 04-OCT-2017 GMT Copyright © 1998-2017 WSI Corporation <http://www.wsi.com>





Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

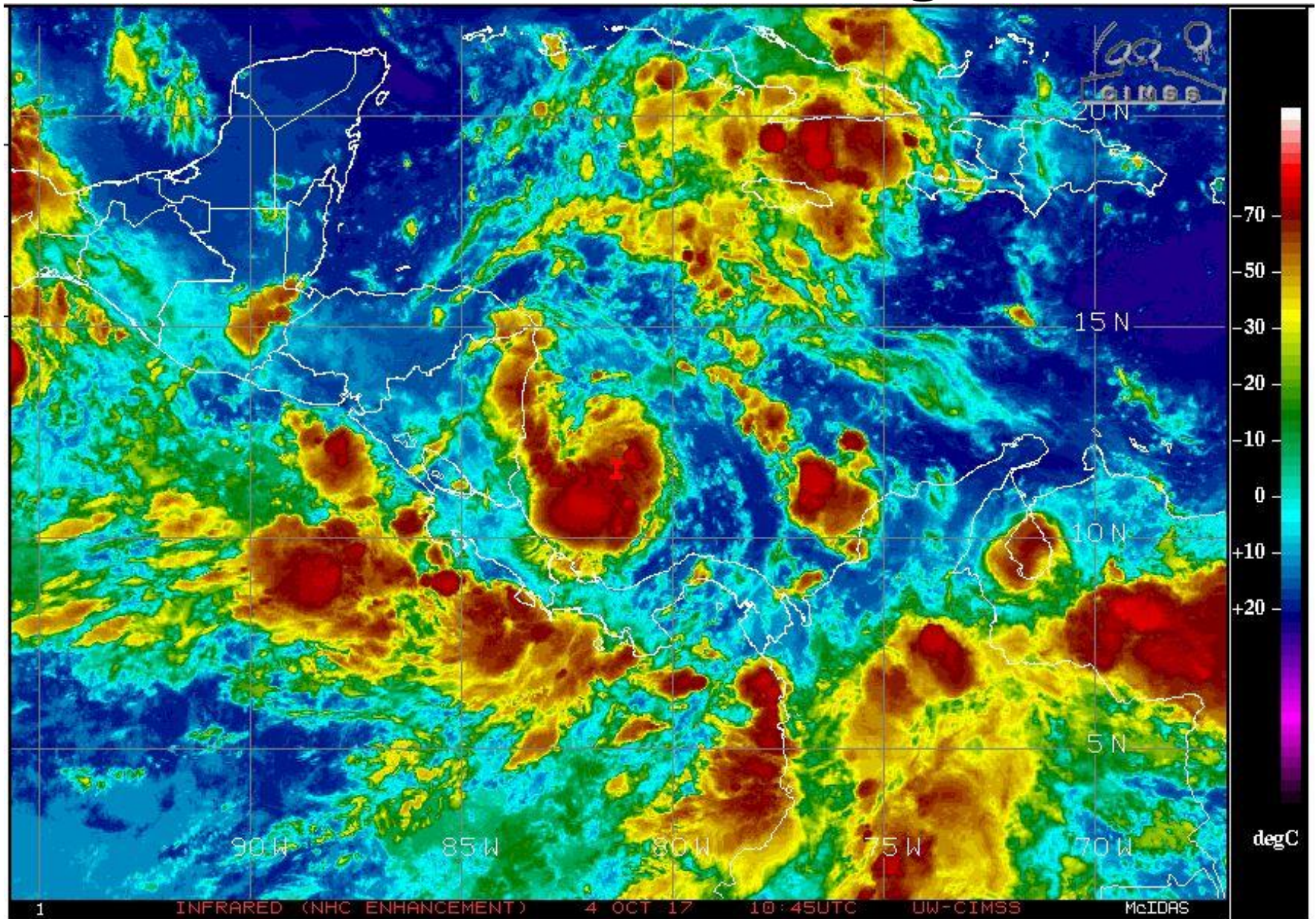
All Disturbances

- * Formation chance through 48 hours...**high**...40 percent.
* Formation chance through 5 days...**high**...60 percent.
- * Formation chance through 48 hours...**low**...near 0 percent.
* Formation chance through 5 days...**low**...near 0 percent.

8:00 am EDT
Wed Oct 4 2017

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

90L Satellite Image

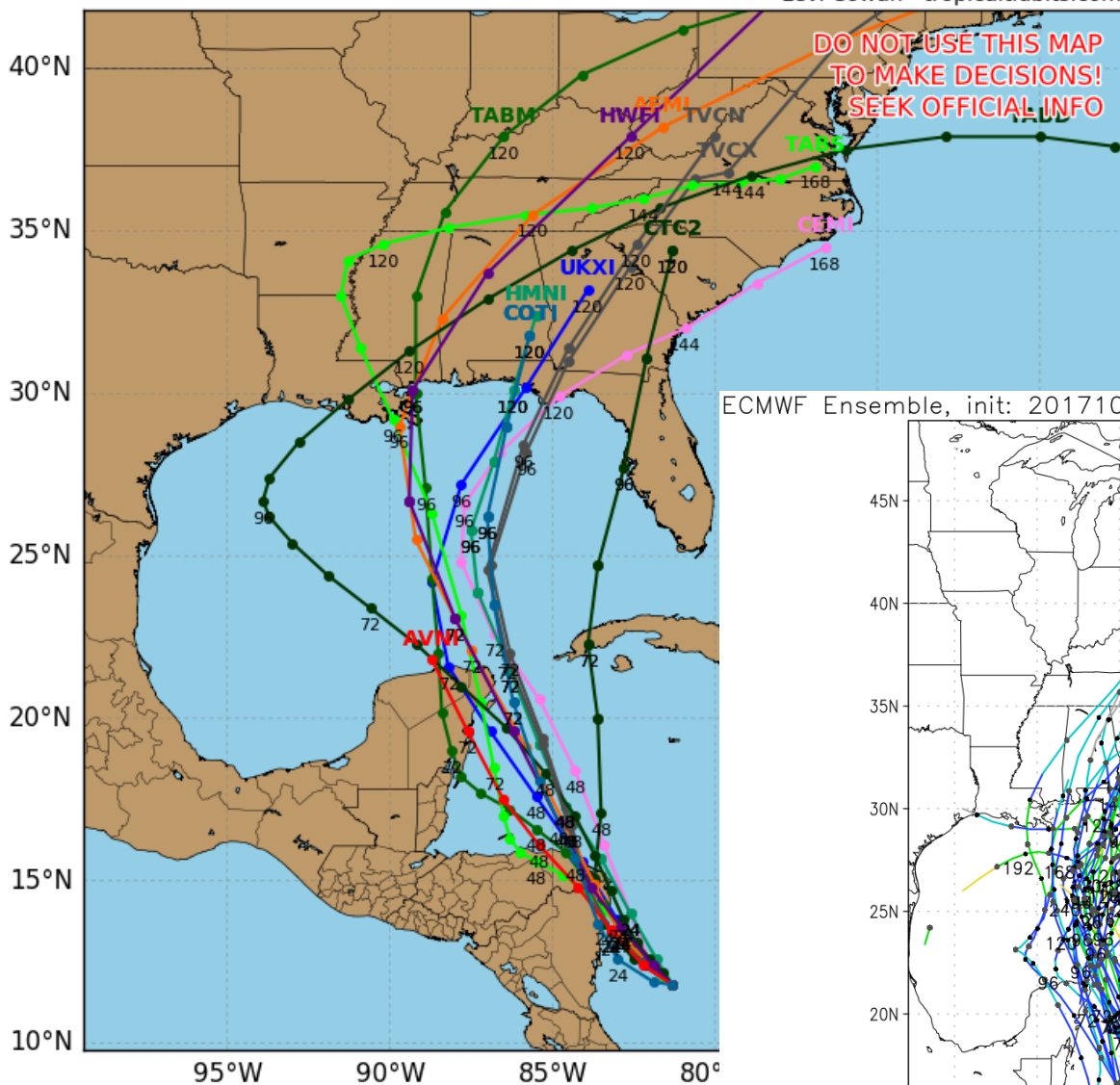


LDN/NOVE
Tropical Depr **I** - Invest Area

Invest 90L Model Track Guidance

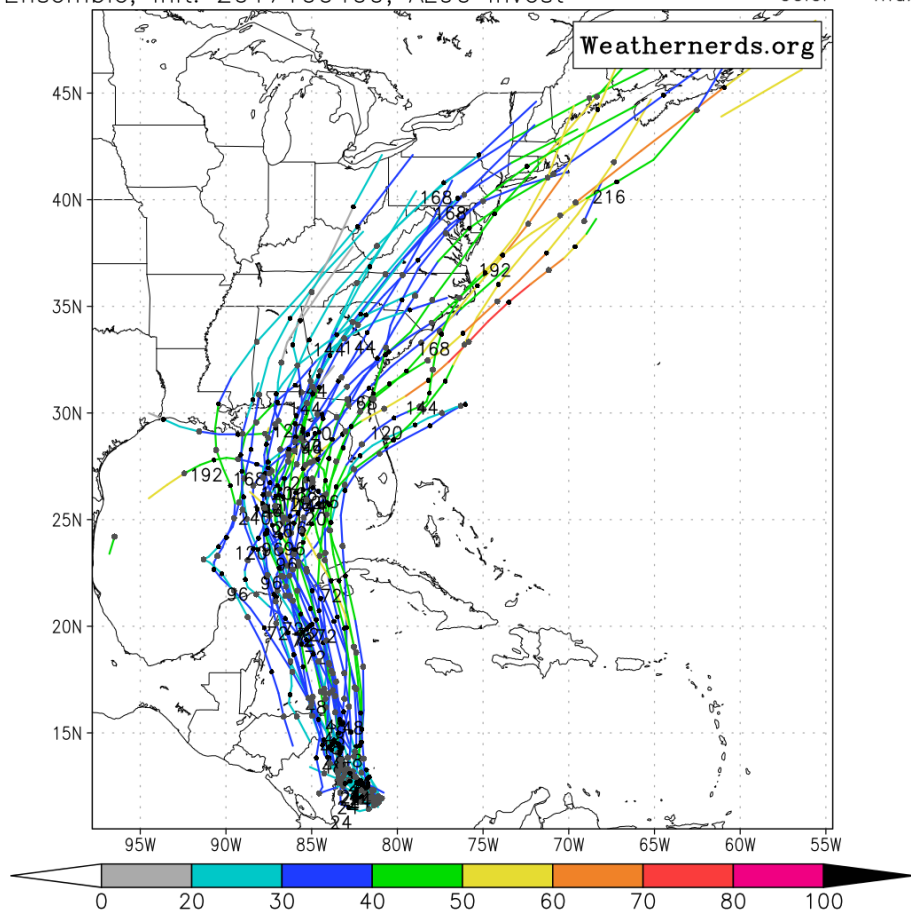
Initialized at 06z Oct 04 2017

Levi Cowan - tropicaltidbits.com



ECMWF Ensemble, init: 2017100400, AL90 Invest

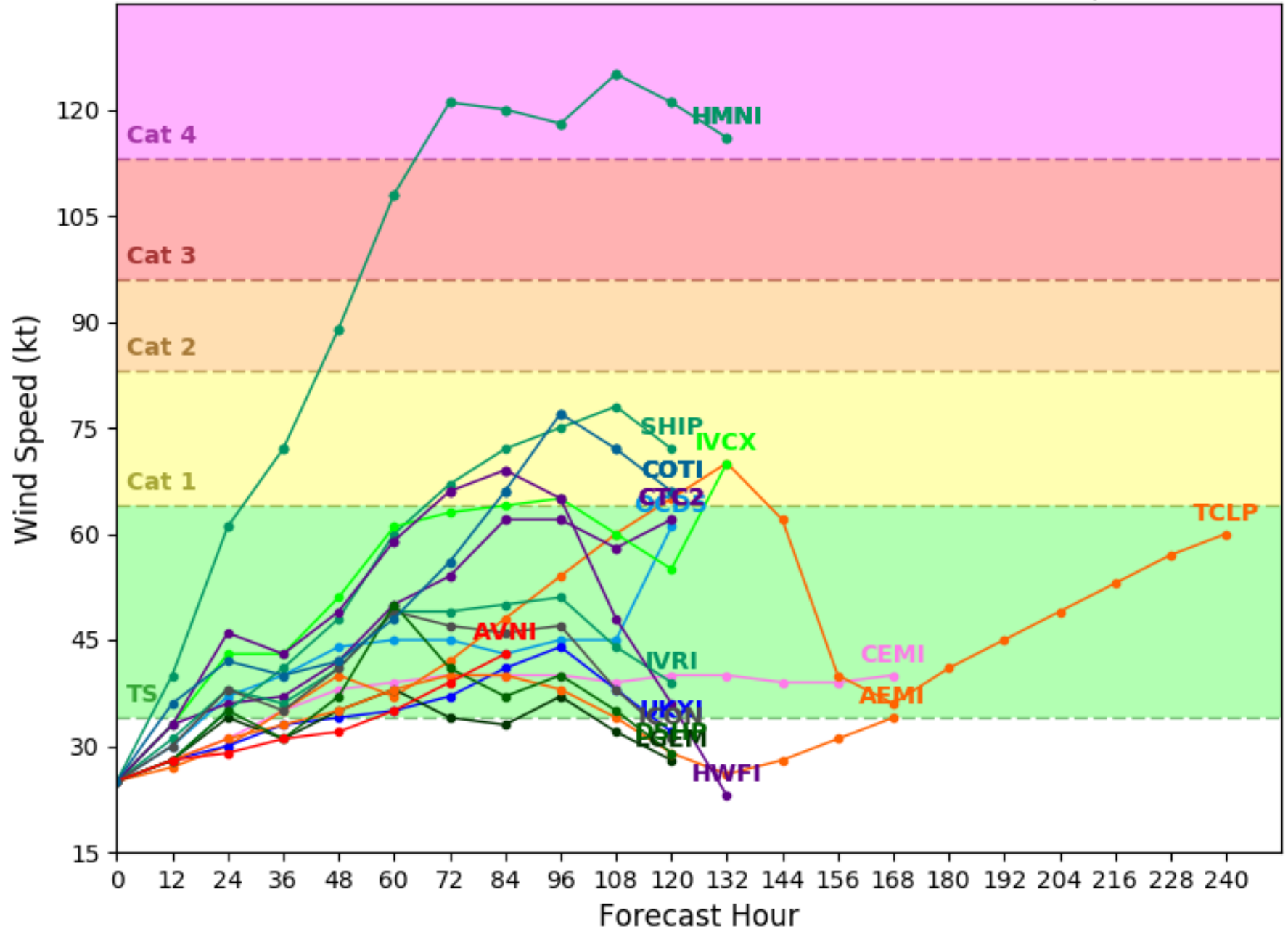
color = max wind (kt)



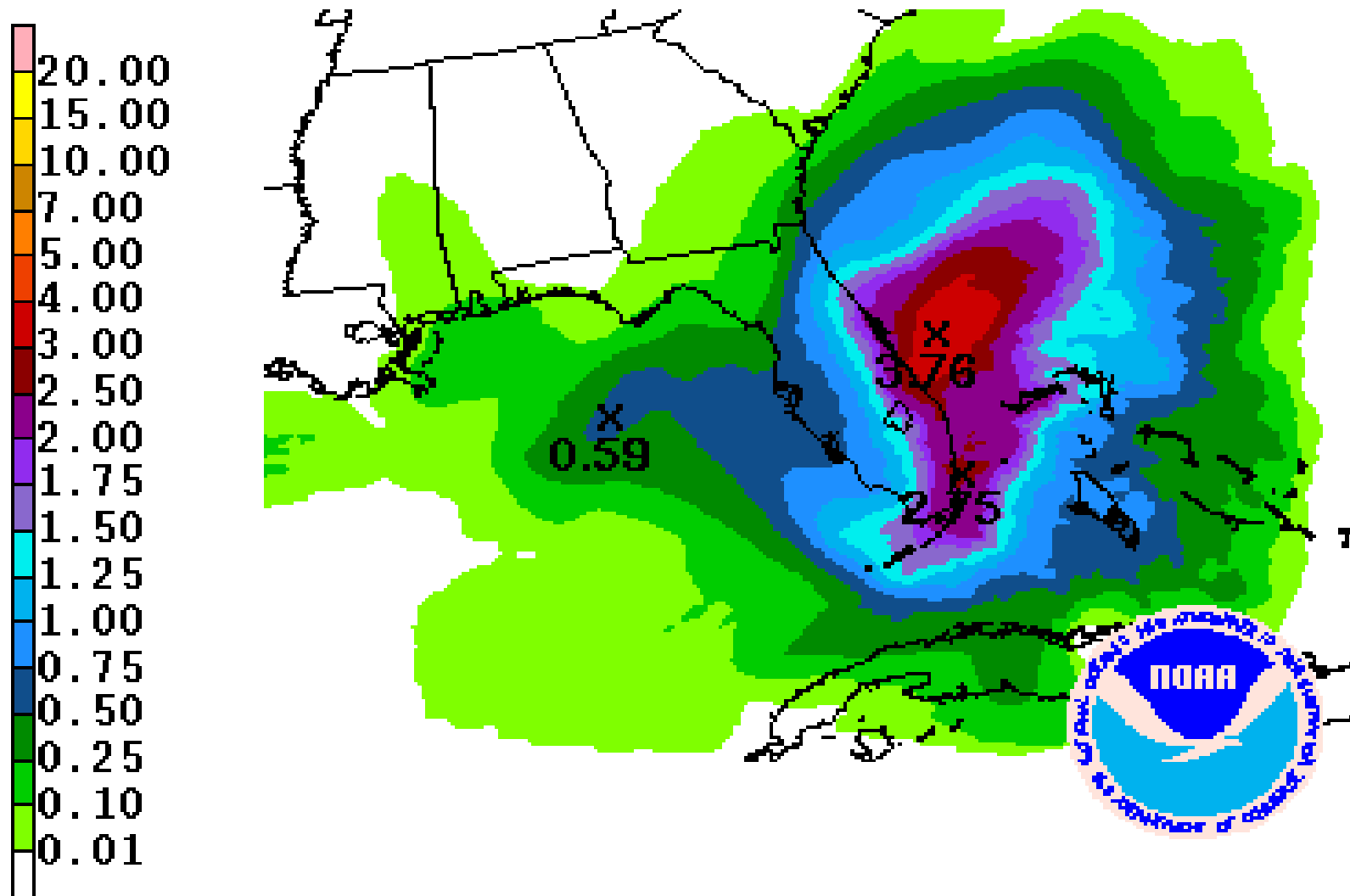
Invest 90L Model Intensity Guidance

Initialized at 06z Oct 04 2017

Levi Cowan - tropicaltidbits.com



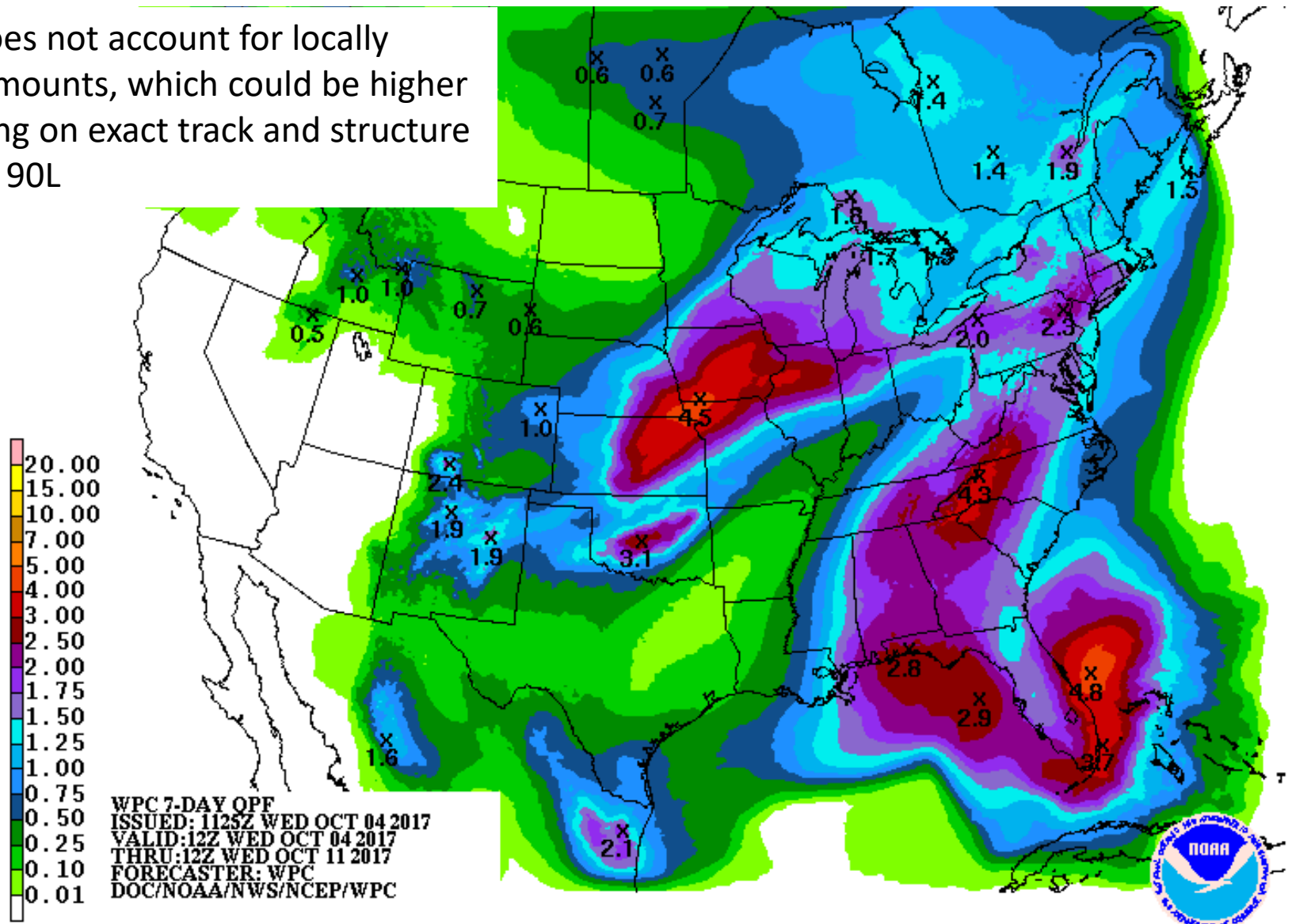
Forecast Cumulative Rainfall – Next 3 Days



The low pressure disturbance located near the northwestern Bahamas will continue to increase rain chances across South Florida as it moves west. Although development of this system is not expected, it will likely produce heavy rain and gusty winds over portions of the Bahamas and Florida during the next couple of days.

Forecast Total Rainfall – Next 7 Days

Note: Does not account for locally higher amounts, which could be higher depending on exact track and structure of Invest 90L

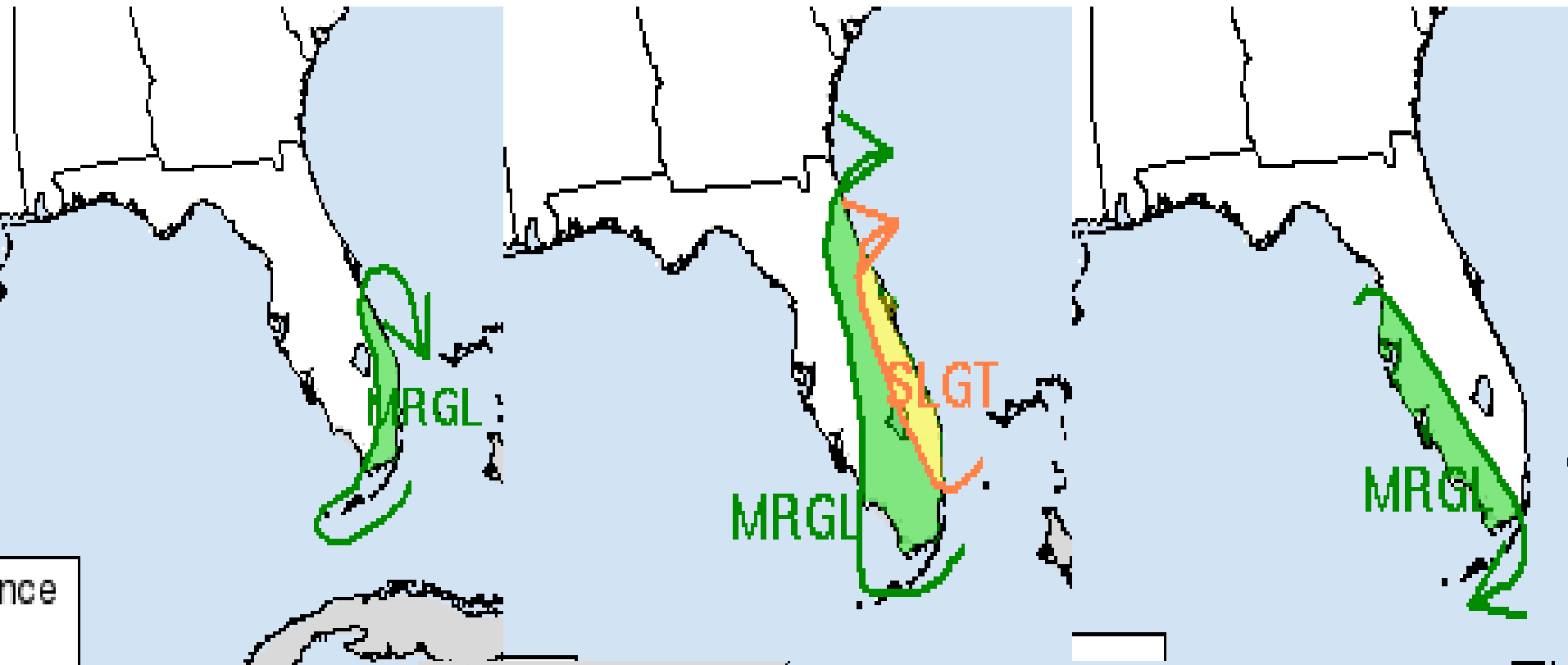


Flash Flood Threat

Today

Tomorrow

Friday



Risk of rainfall exceeding flash flood guidance to the right of a line

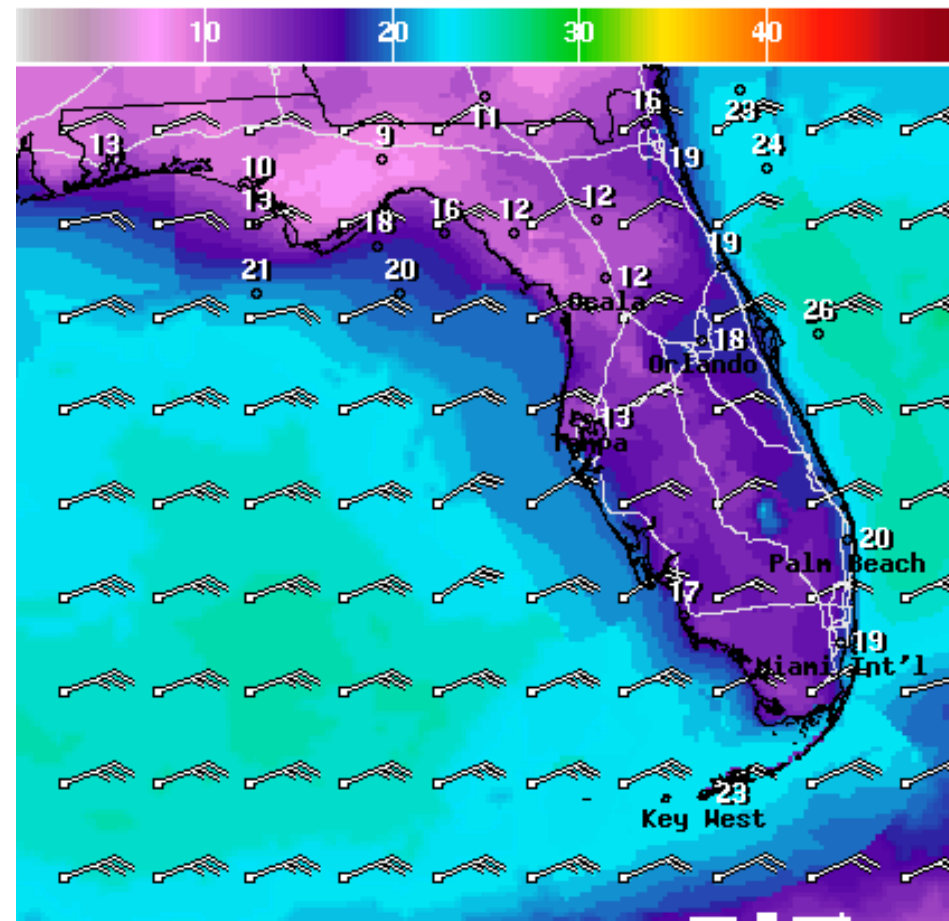
HIGH: > 15%

SLGT: 5%-10%

MDT: 10%-15%

MRGL: 2%-5%

Forecast Winds/Wave Height Wednesday Afternoon

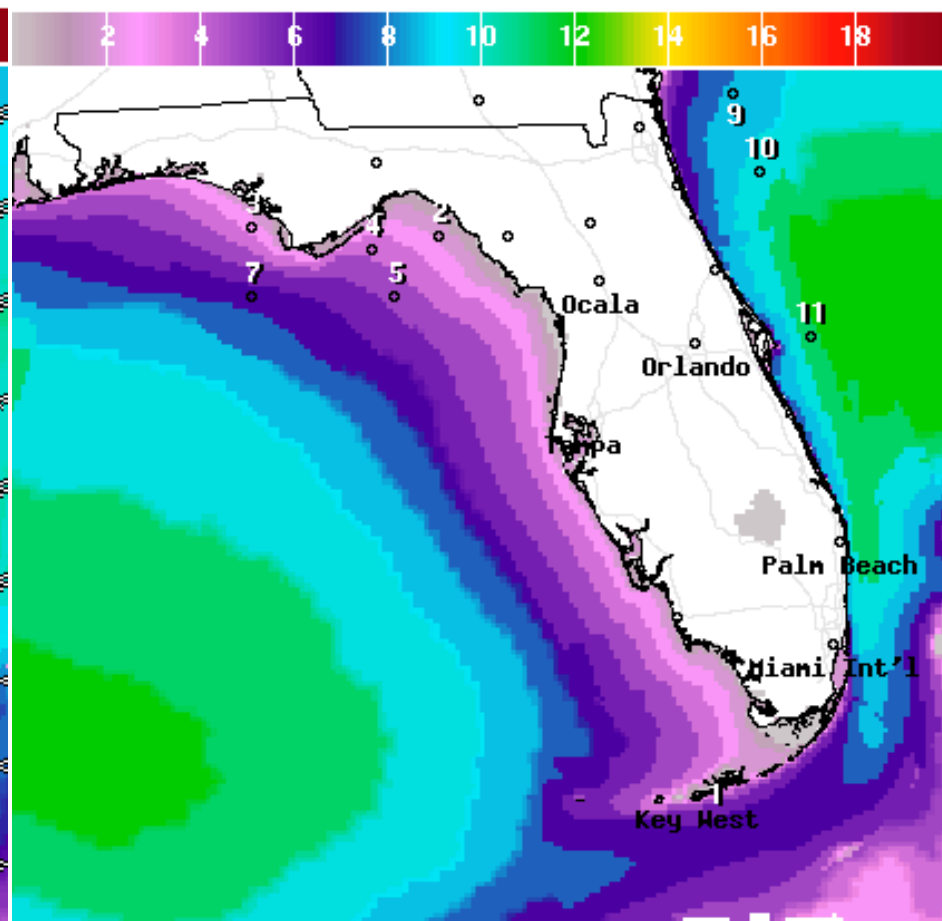


WindSpd(Kts) & WindDir For Wed Oct 04 2017 2PM EDT
(Wed Oct 04 2017 18Z)



National Digital Forecast Database

10z issuance Graphic created-Oct 04 6:47AM EDT



Wave Height(ft) Ending Wed Oct 04 2017 2PM EDT
(Wed Oct 04 2017 18Z)

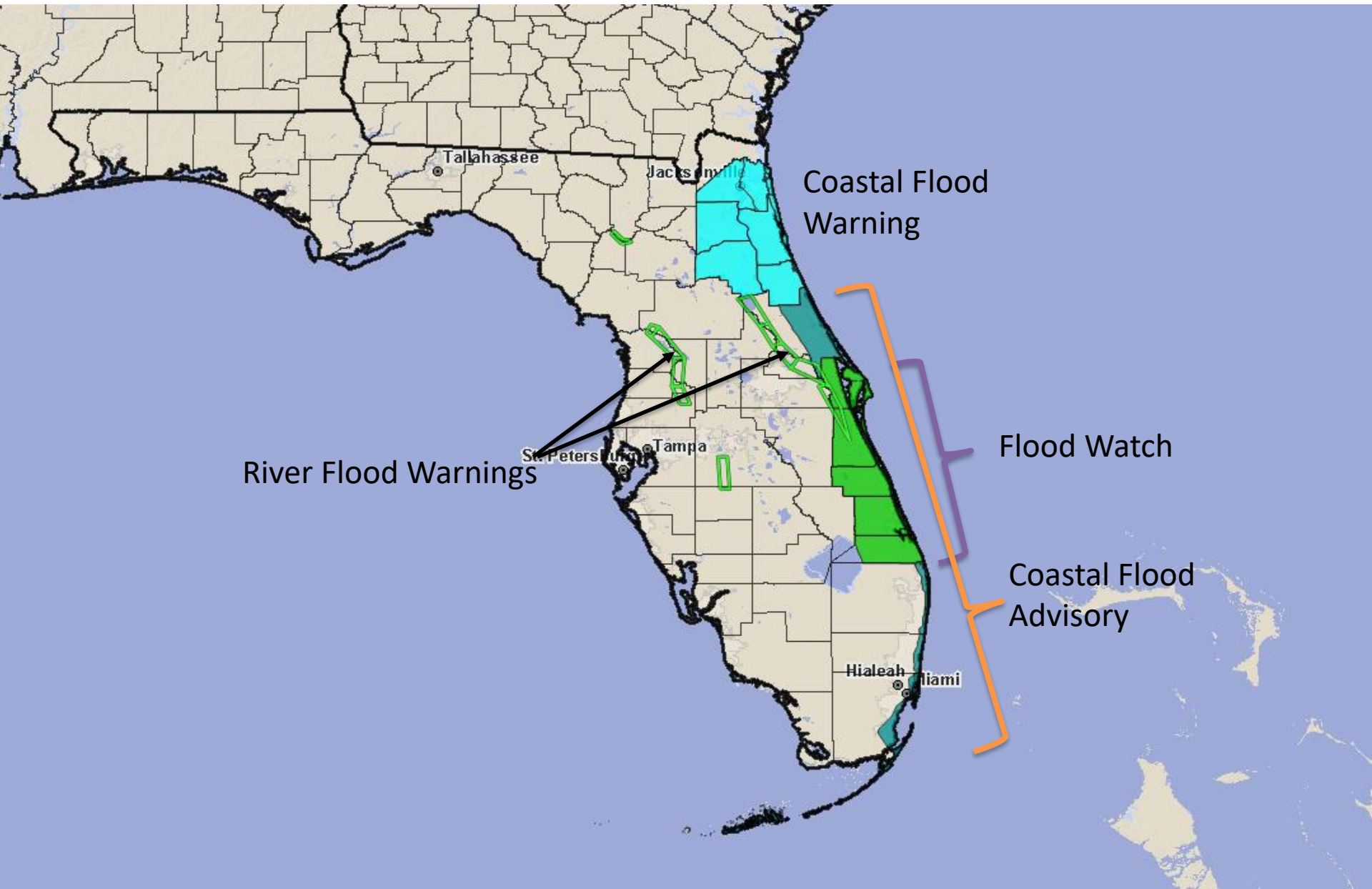


National Digital Forecast Database

10z issuance Graphic created-Oct 04 6:43AM EDT



Active Watches/Warnings



Summary:

- Showers and thunderstorms associated with an area of low pressure located over the southwestern Caribbean Sea (designated as Invest 90L) have become better organized since yesterday.
 - The National Hurricane Center is now predicting a 90% chance that this system becomes a tropical depression later today while it moves northwestward toward the coast of Nicaragua.
 - The low should move slowly northwestward and emerge over the southern Gulf of Mexico by Saturday.
 - Confidence in the eventual track and intensity are still currently low, with the range of possibilities for landfall anywhere between New Orleans, LA and Tampa, FL as either a tropical storm or possibly a hurricane.
 - A Hurricane Hunter reconnaissance mission has been scheduled for this afternoon.
 - The next name on the 2017 Atlantic storm list is Nate.
-
- Elsewhere, a broad low pressure disturbance located near the Florida Straits, Cuba and the Bahamas will continue to increase rain chances across South Florida as it moves west.
 - Although development of this system is not expected, it will likely produce heavy rain and gusty winds over portions of the Bahamas and Florida during the next couple of days.

Florida Outlook:

- Rainfall amounts of 1-3" (with isolated amounts up to 4-5" possible) is forecast for portions of the Florida East Coast and Florida Keys during the next 48 hours.
 - A **Flood Watch** is currently in effect for the Treasure and Space coasts.
 - Strong east winds combined with the lunar "King Tide" could have the potential to produce high waves and minor coastal flooding during high tide. Any locally heavy rainfall during times of high tide could exacerbate coastal flooding issues.
 - A **Coastal Flood Advisory** is in effect from Miami-Dade to Volusia County, with a **Coastal Flood Warning** in effect for the St. Johns River and tributaries.
-
- Concerning 90L, specific impacts to Florida are still uncertain.
 - However, a system moving towards the U.S. Gulf Coast would have the ability to produce above-normal tides, dangerous surf conditions, possible isolated tornadoes, and isolated heavy rain.

Another briefing packet will be issued Wednesday afternoon. For more information, visit the NHC website at www.hurricanes.gov.



TROPICAL UPDATE

Created by:

Amy Godsey, Chief State Meteorologist

amy.godsey@em.myflorida.com

State Meteorological Support Unit

Florida Division of Emergency Management

Users wishing to subscribe (approval pending) to this distribution list, register at
https://public.govdelivery.com/accounts/FLDEM/subscriber/new?topic_id=SERT_Met_Tropics.

Other reports available for subscription are available at

<https://public.govdelivery.com/accounts/FLDEM/subscriber/new?preferences=true>