



# **WEATHER UPDATE**

**10 AM EST**

**Sunday, November 11, 2018**

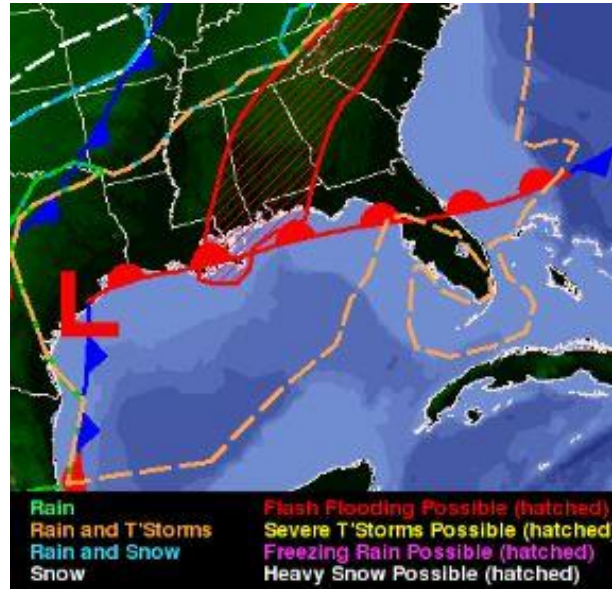
**Potential for Heavy Rain, Severe Weather, Cold  
Temperatures, & Invest 96L Update**

**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 Weather Service website at [www.weather.gov](http://www.weather.gov).**

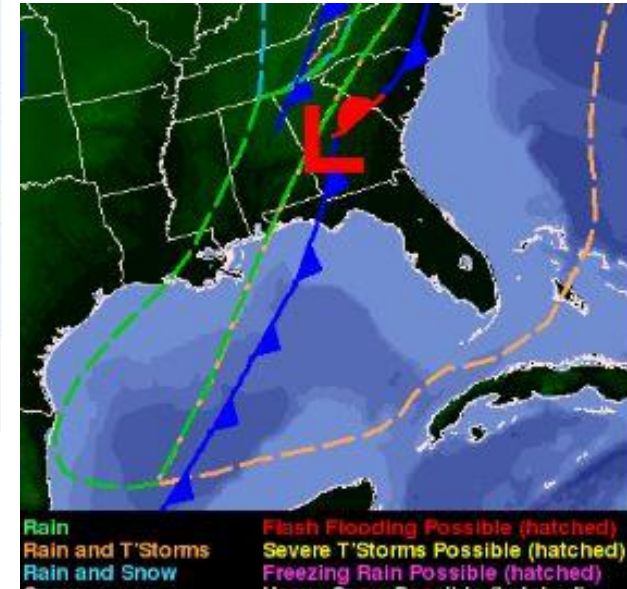
# Forecast Weather Maps This Week



## Tonight



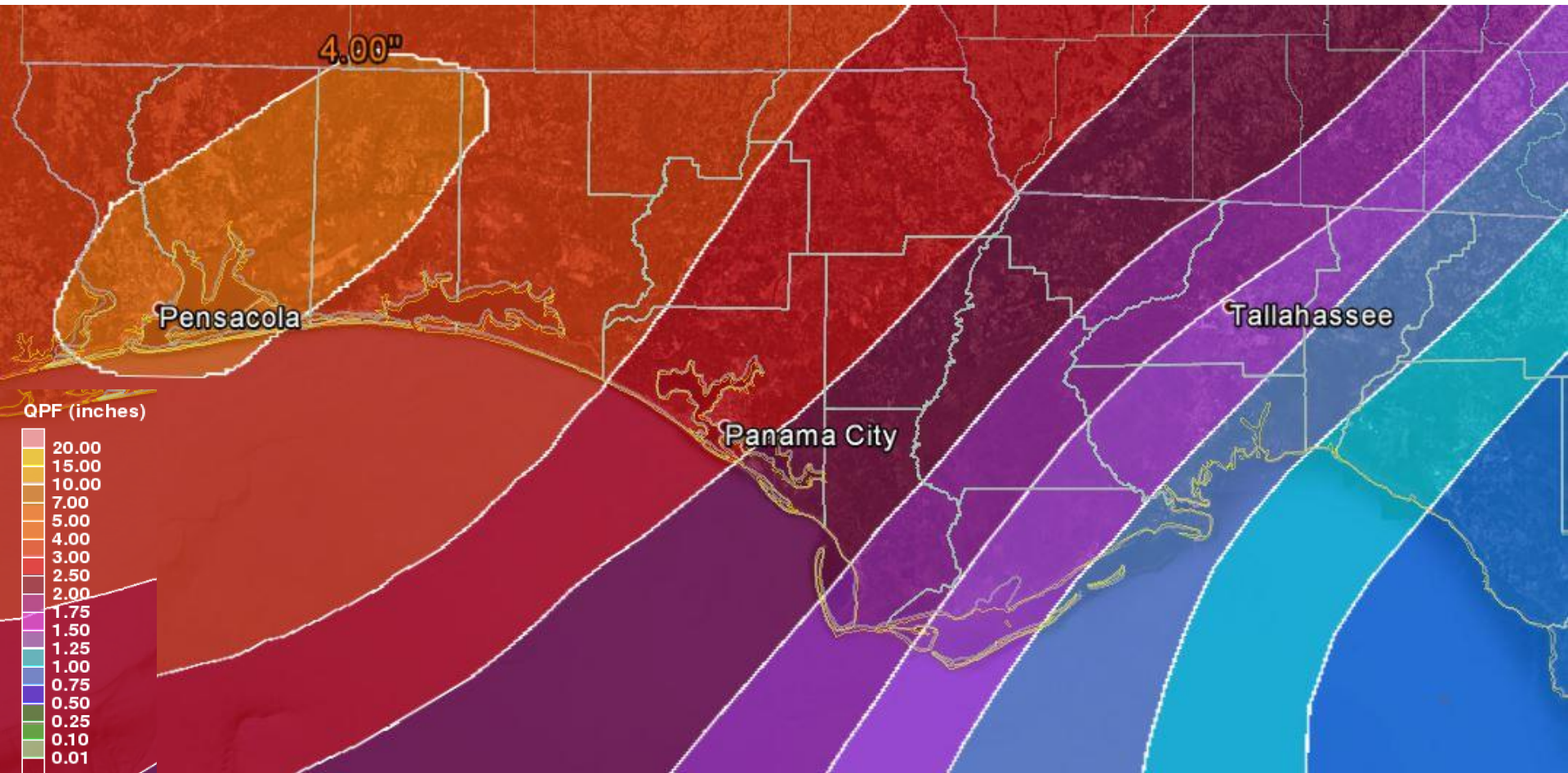
## Monday



## Tuesday

- A developing Gulf Low combined with a frontal system will produce widespread showers and thunderstorms in the Panhandle Monday and Tuesday.
- There is a threat of heavy rainfall and flash flooding and flash flood watches may be issued.
- There is a Marginal Risk of severe weather on Monday and a marginal risk may be added Tuesday.
- Cold front will move through the State on Tuesday, and a cold air mass will move into the region.
- Temperatures have trended a bit warmer as a secondary low pressure may develop limiting how far south the cold air moves and may continue rain chances through Wednesday and Thursday.
- Regardless, below normal temperatures will last from Wednesday through Friday before starting to warm up over the weekend.

# Forecast Rainfall for through Friday



Widespread rainfall amounts of 2-4" are expected Sunday night through Tuesday afternoon from Tallahassee to the west. The highest values will be in the western Panhandle, with lower amounts less than 1" in the eastern Big Bend. Locally heavier totals of 5-7" will be possible anywhere in the Panhandle and could result in flooding of low-lying and poor drainage areas.



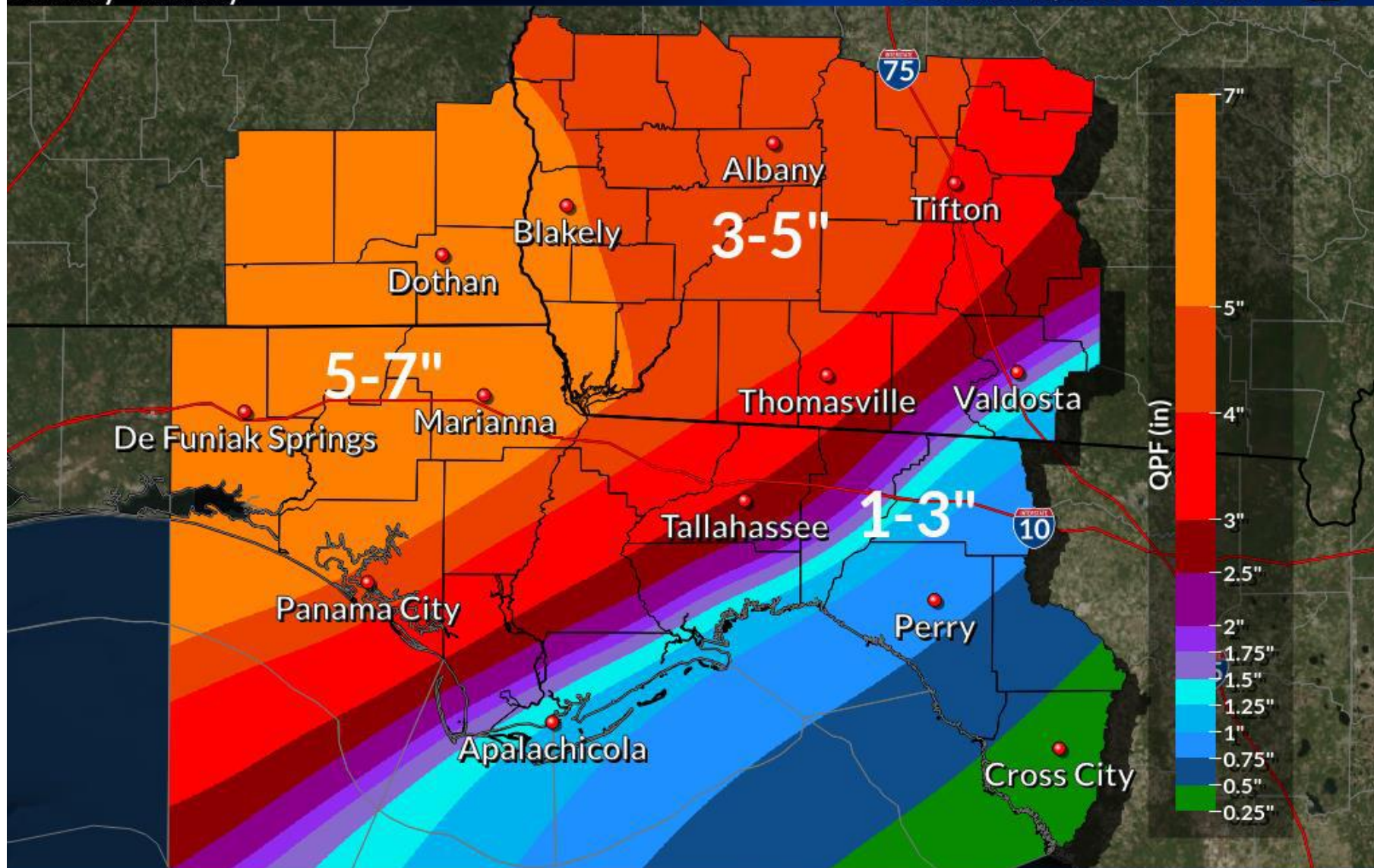
# Isolated Maximum Rainfall Amounts

Monday - Tuesday

Weather Forecast Office

Tallahassee, FL

Issued Nov 10, 2018 3:32 PM EST

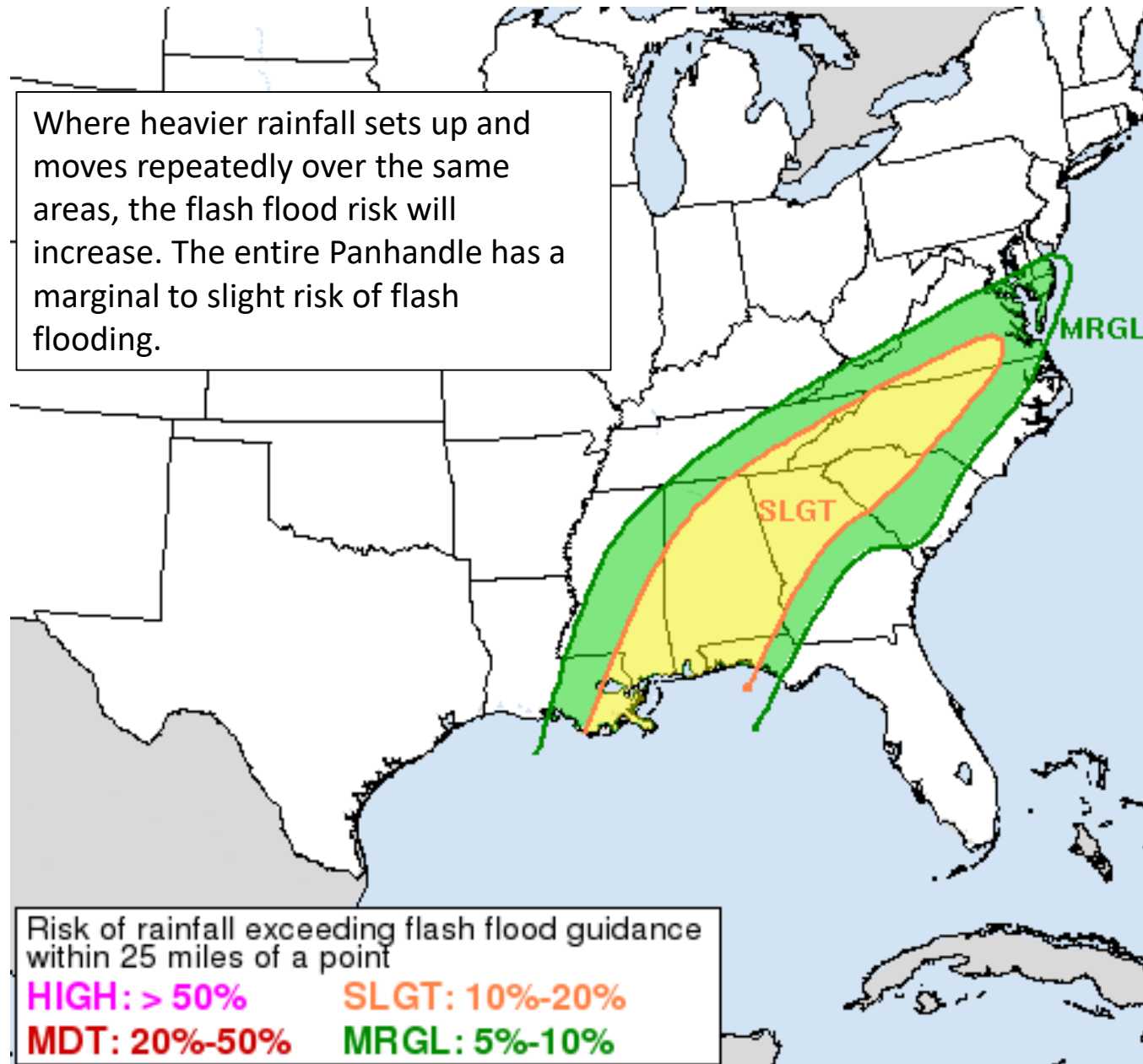


NWSTallahassee

[weather.gov/tallahassee](http://weather.gov/tallahassee)

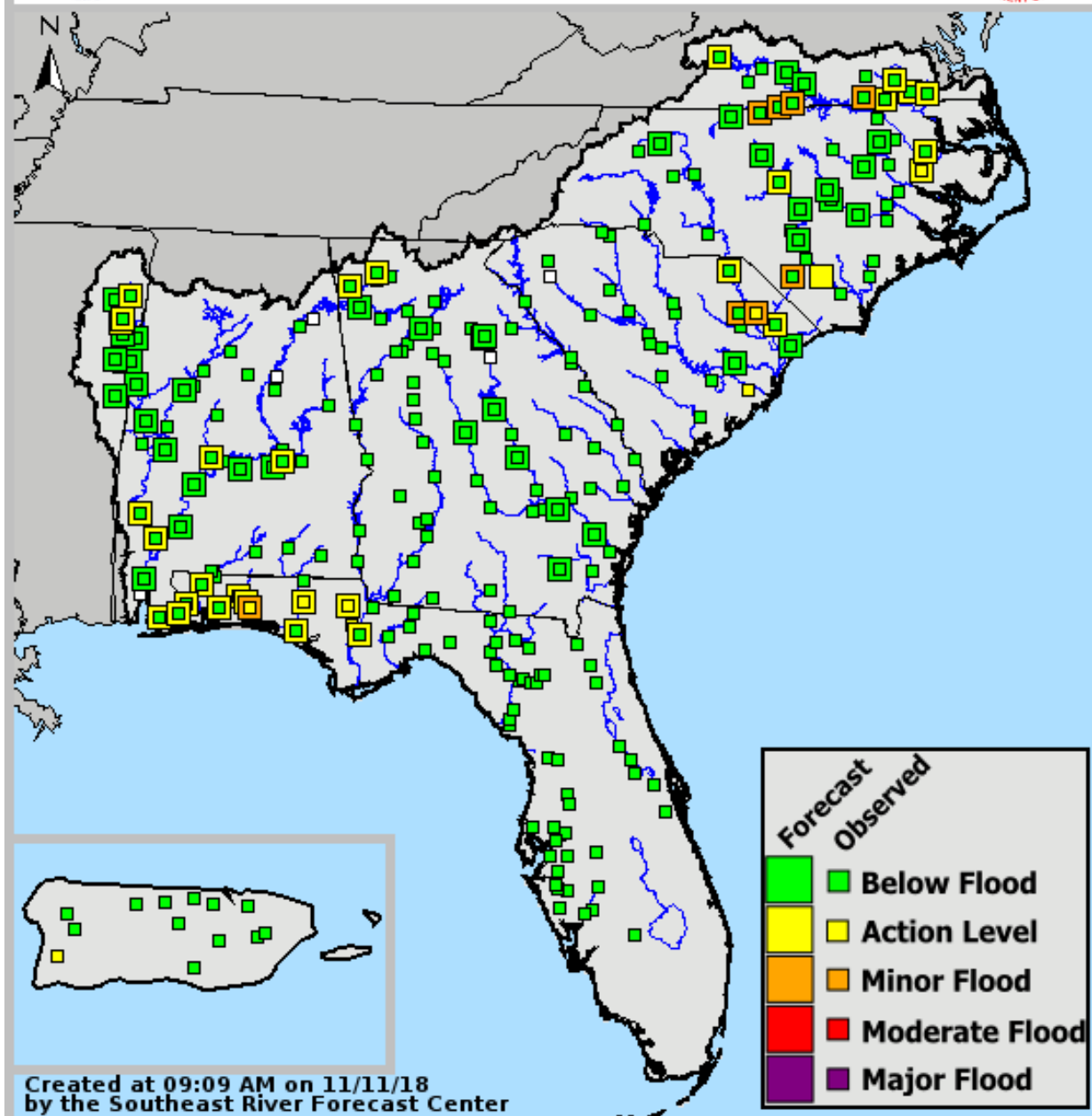
Reasonable worst case scenario rainfall amounts. These are the highest localized totals possible.

# Flash Flooding Risks - Monday



# River Forecasts

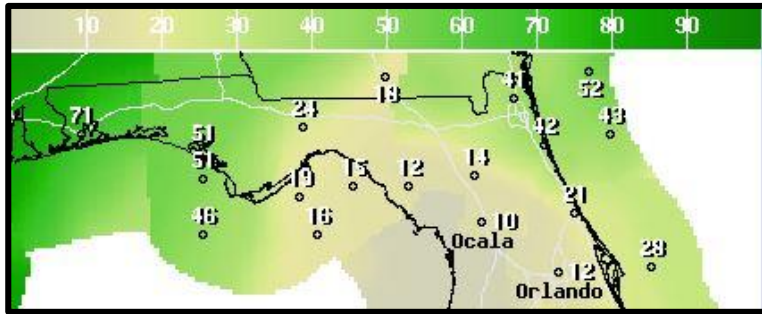
Most major rivers in the Panhandle are in action stage or forecast to be over the next couple of days as a result of last weekend's rainfall. With the current rainfall forecast Monday and Tuesday, a few rivers may reach minor flood stage. The most likely areas to see minor flooding will be the Shoal River near Crestview and the Chipola River near Altha. Moderate or major flooding is not expected at the moment but will depend on where exactly the heaviest rain falls.



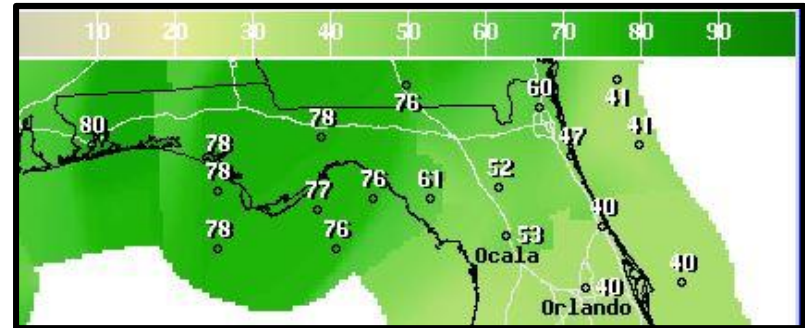


# Forecast Rain Chances

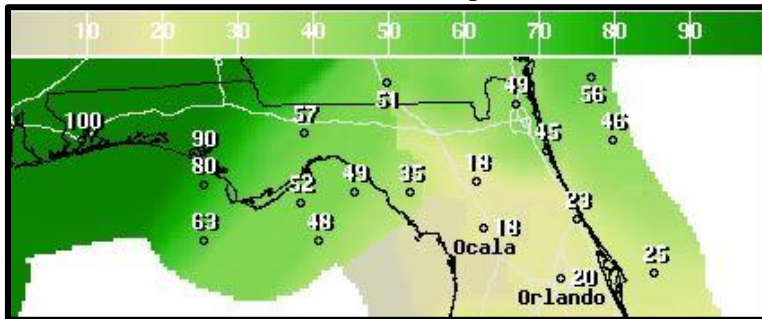
## Sunday Night



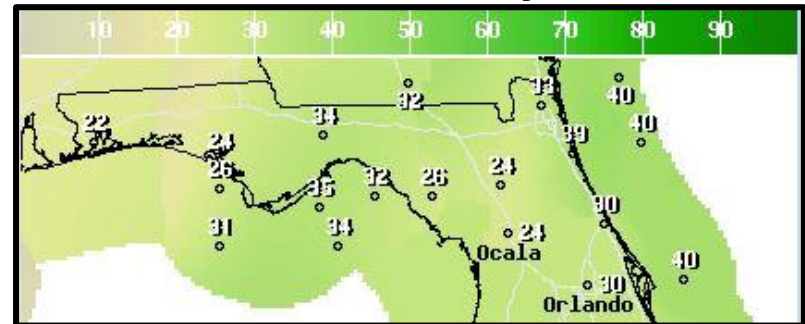
## Tuesday



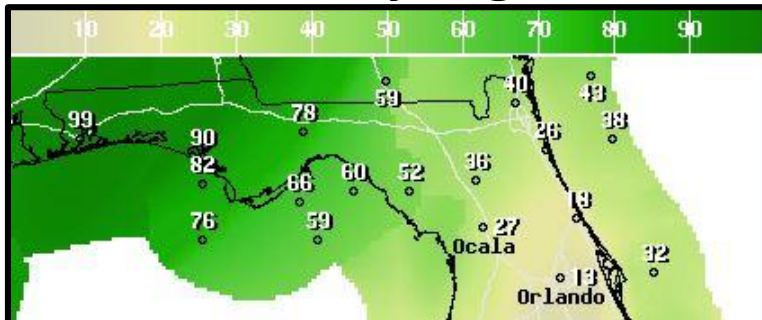
## Monday



## Wednesday

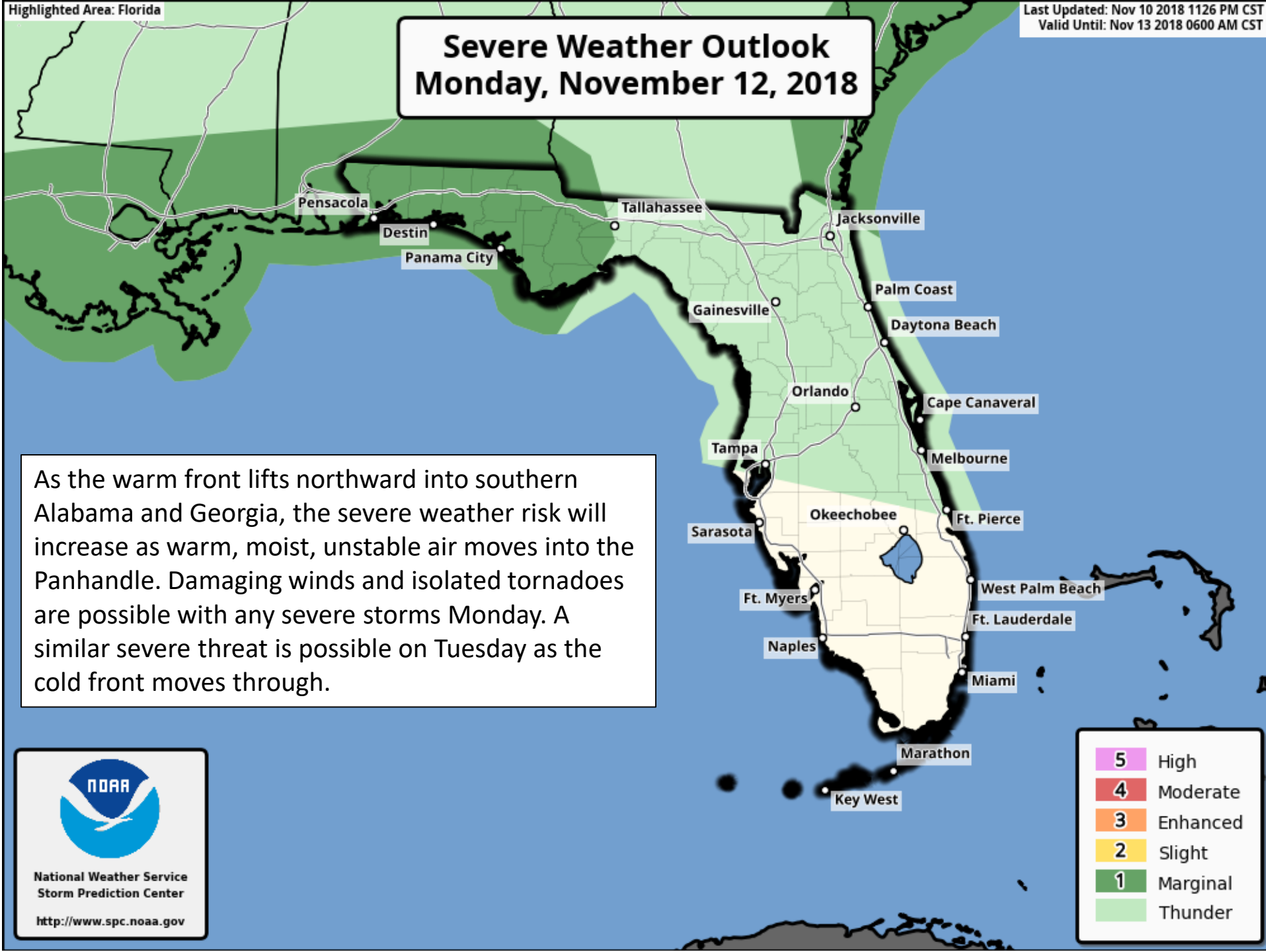


## Monday Night



Rain chances will increase Sunday night as a warm front moves northward over the Gulf of Mexico and approaches the northern Gulf Coast by Monday. At the same time, a cold front will begin its approach from the northwest. Rain chances remain high through Tuesday, then the cold front sweeps through during the day on Tuesday. A secondary area of low pressure may develop Wednesday and Thursday keeping at least isolated to scattered showers in the forecast through Thursday night.

## Severe Weather Outlook Monday, November 12, 2018



National Weather Service  
Storm Prediction Center

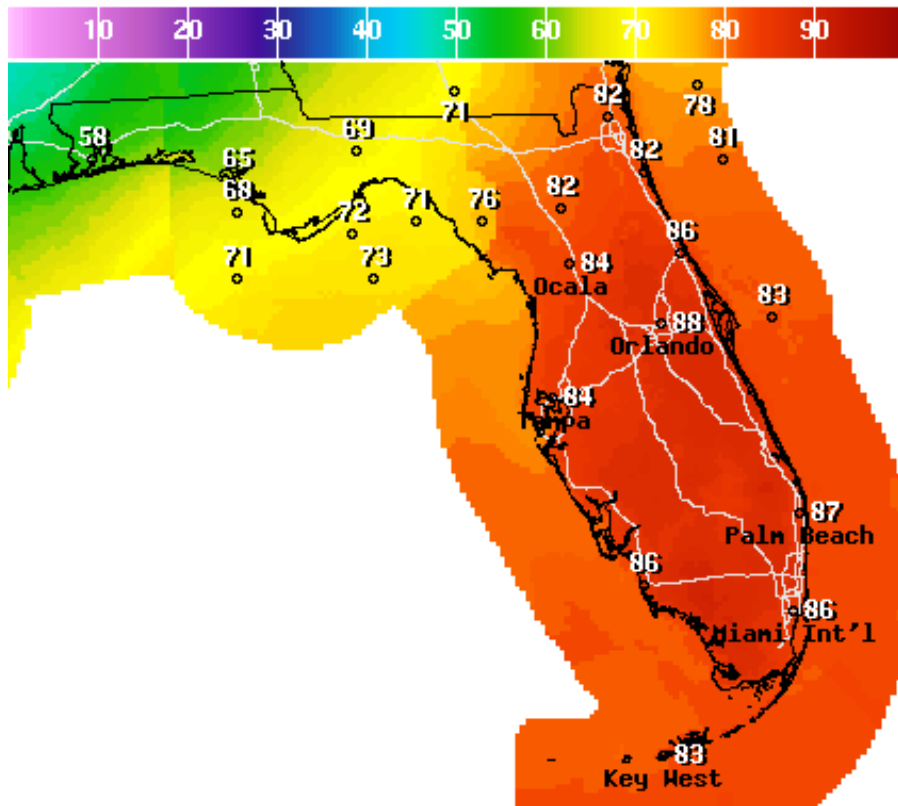
<http://www.spc.noaa.gov>

5	High
4	Moderate
3	Enhanced
2	Slight
1	Marginal
	Thunder

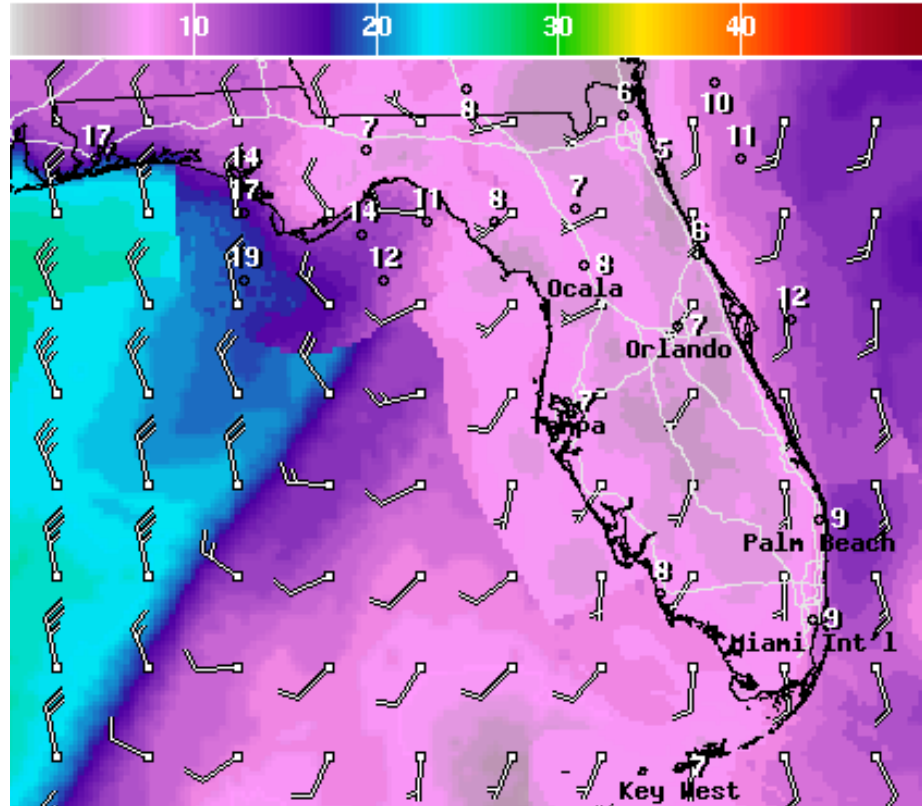


# Tuesday's Temperature and Wind Forecast

Forecast High Temperatures Tuesday



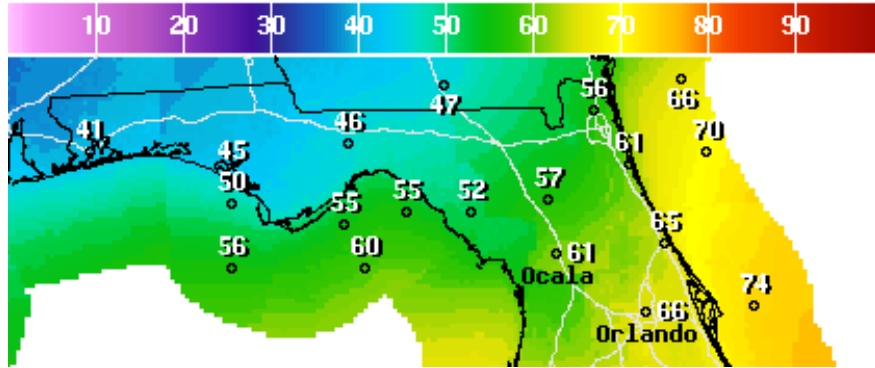
Forecast Wind Speed/Direction – 4pm Tue



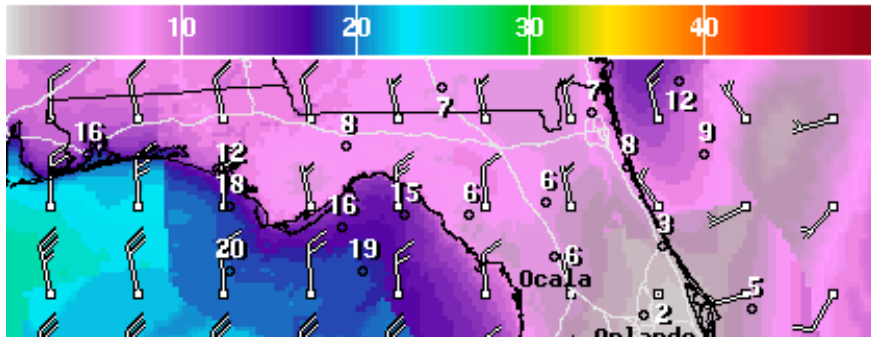
- High temperatures will be cooler on Tuesday as the cold front moves through, reaching the middle to upper 50s in the western Panhandle with 60s further east.
- However, these highs will be achieved in the morning, with temperatures falling during the afternoon into the upper 40s and lower 50s in the Panhandle.
- Winds will increase out of the northwest at 10-20 mph with gusts of 20-30 mph

# Tuesday Night/Wednesday Morning's Forecast

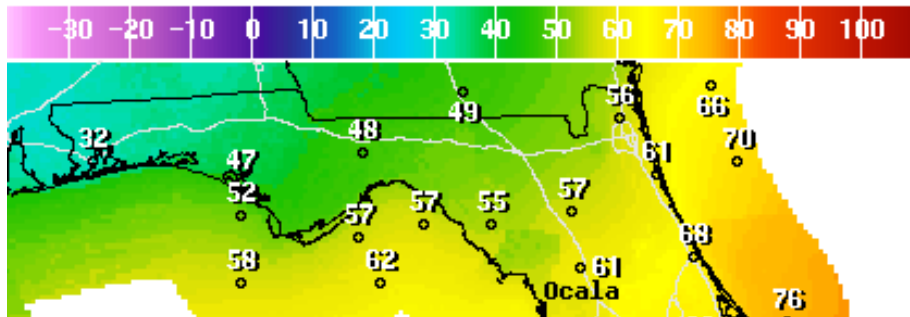
Forecast Low Temperatures Wednesday morning



Forecast Wind Speed/Direction – 7 AM Wed.

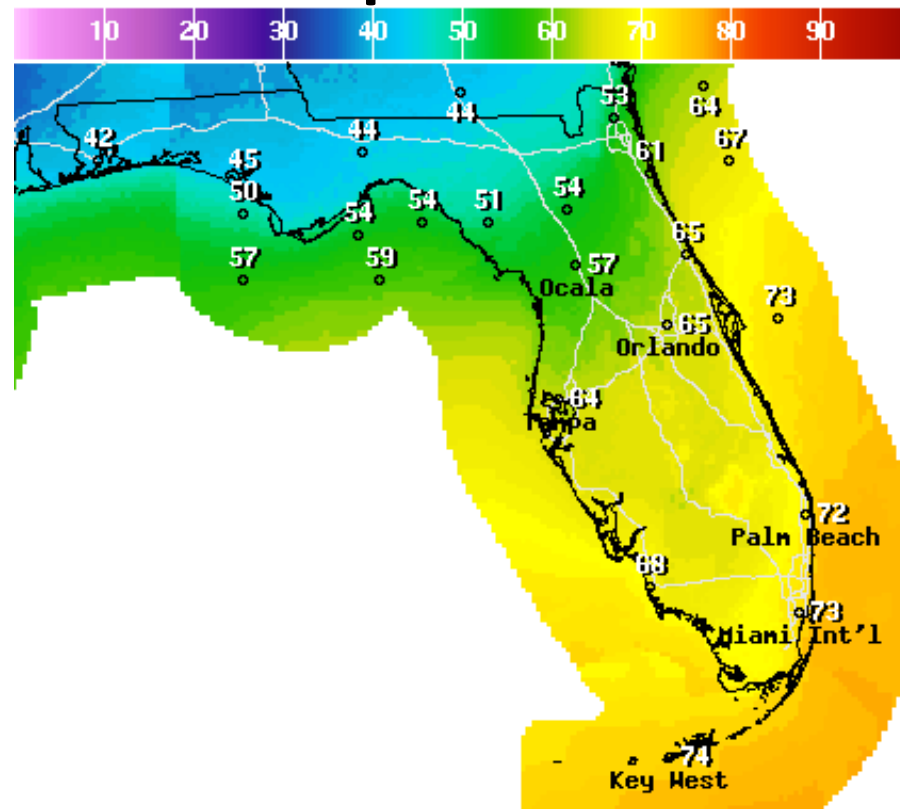
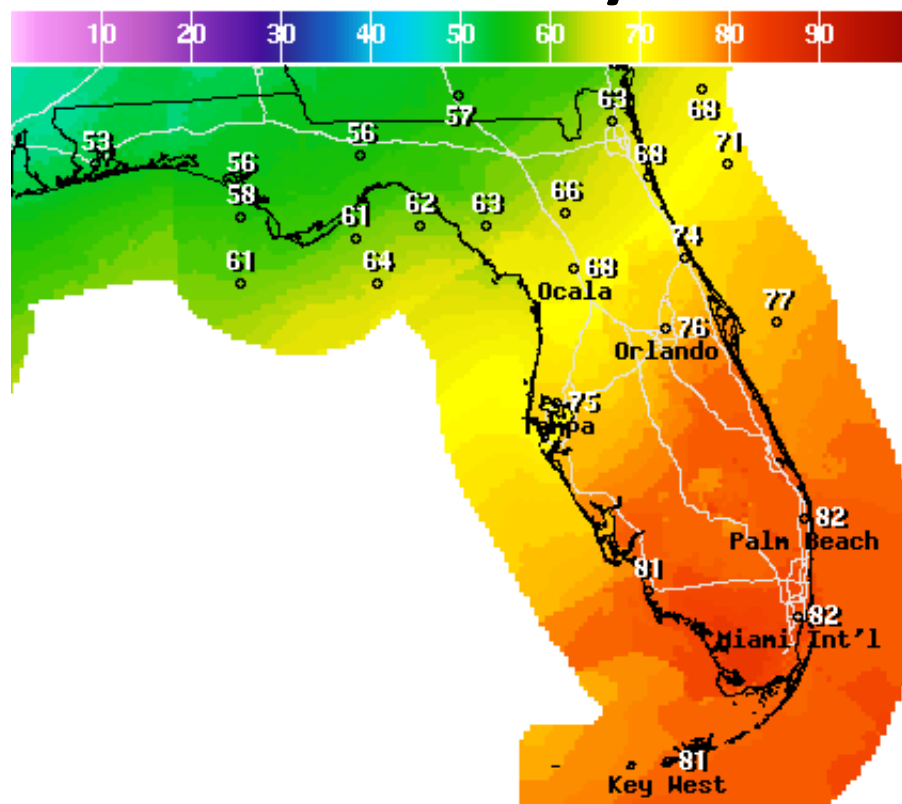


Forecast Wind Chills – 7 AM Wed.



- Temperatures will drop into the 40s after midnight across much of North Florida with breezy north winds and gradually clearing skies. Temperatures could drop into the upper 30s by sunrise in the western Panhandle, but will remain above the freezing mark.
- However, wind chill values in the upper 20s to lower 30s are possible in the western Panhandle with upper 30s in the eastern Panhandle.
- *Actual temperatures will remain above freezing and there is not a threat for residual rainfall on the roadways to freeze.*

# Wednesday Forecast Temperatures



- Temperatures have trended a few degrees warmer for mid-week.
- Despite mostly sunny skies, temperatures will only rise into the lower to middle 50s for much of North Florida, except lower 60s in Northeast Florida.
- Breezy north winds of 10-15mph will also make it feel a few degrees colder.
- Overnight lows in the upper 30s to mid 40s are expected again Wednesday night, but could approach the mid 30s over inland portions of the Panhandle.
- The low humidity and breezy winds should inhibit frost potential.
- Similar conditions are expected Thursday, Thursday night, Friday, and Friday night.





# Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida

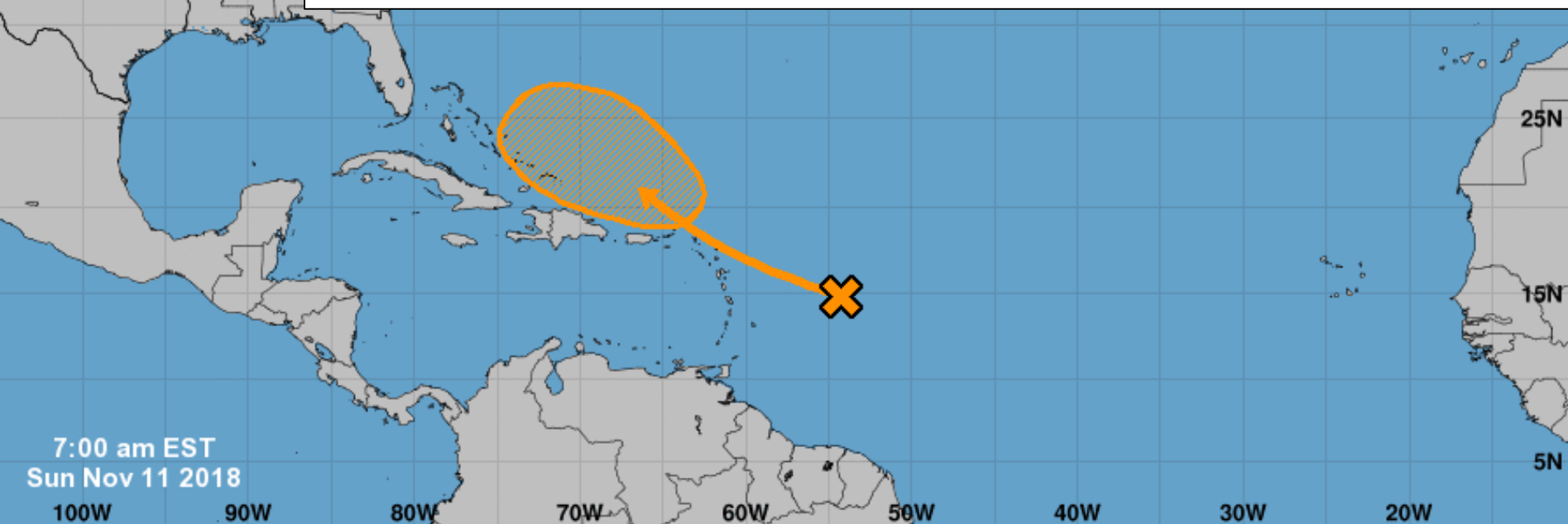


## All Disturbances

Satellite data indicate that a tropical wave located several hundred miles east of the Lesser is gradually becoming better defined and continues to produce strong gusty winds mainly to the east of the disturbance. Although no significant development of this system is expected during the next day or two, conditions are forecast to become a little more conducive by Tuesday, and a tropical or subtropical cyclone could form during the middle of the week while the system moves near or north of the Leeward Islands, Puerto Rico, Hispaniola and the southeastern Bahamas.

\* Formation chance through 48 hours...low...near 0 percent.

\* Formation chance through 5 days...**medium**...50 percent.



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

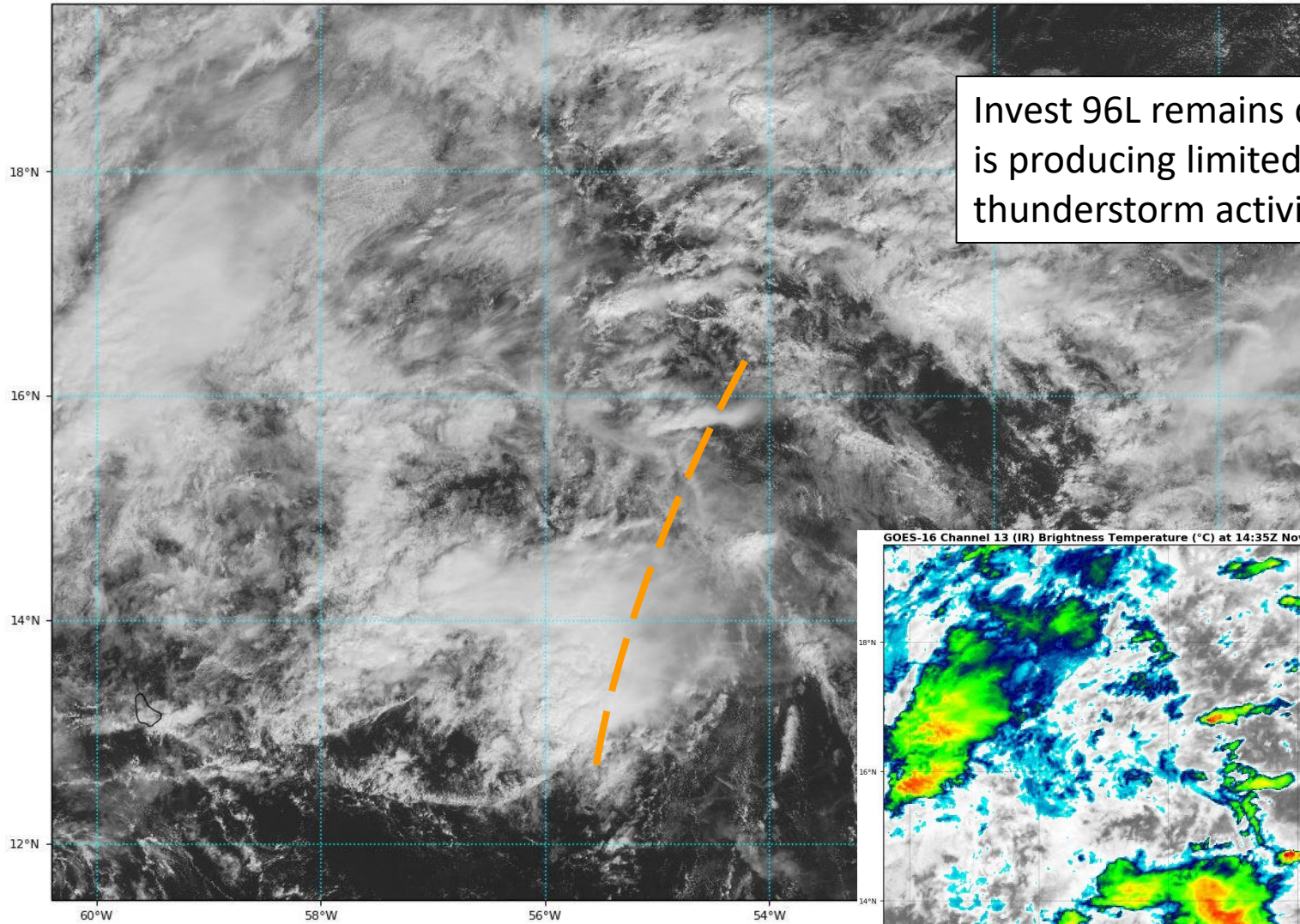
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

# Invest 96L Satellite Image

GOES-16 Channel 2 (visible) Reflectance at 14:35Z Nov 11, 2018

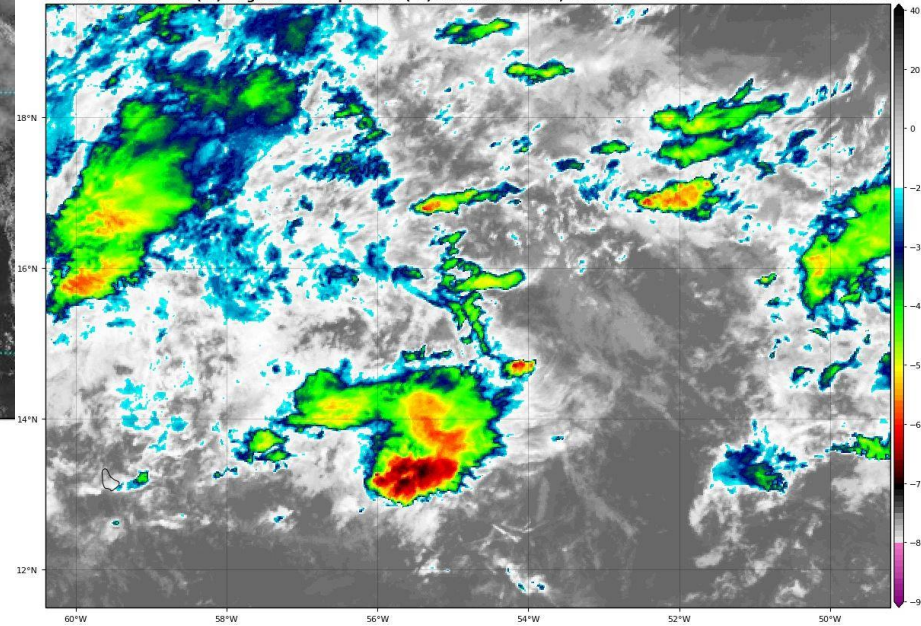
TROPICALTIDBITS.COM



Invest 96L remains disorganized and is producing limited shower and thunderstorm activity this morning.

GOES-16 Channel 13 (IR) Brightness Temperature (°C) at 14:35Z Nov 11, 2018

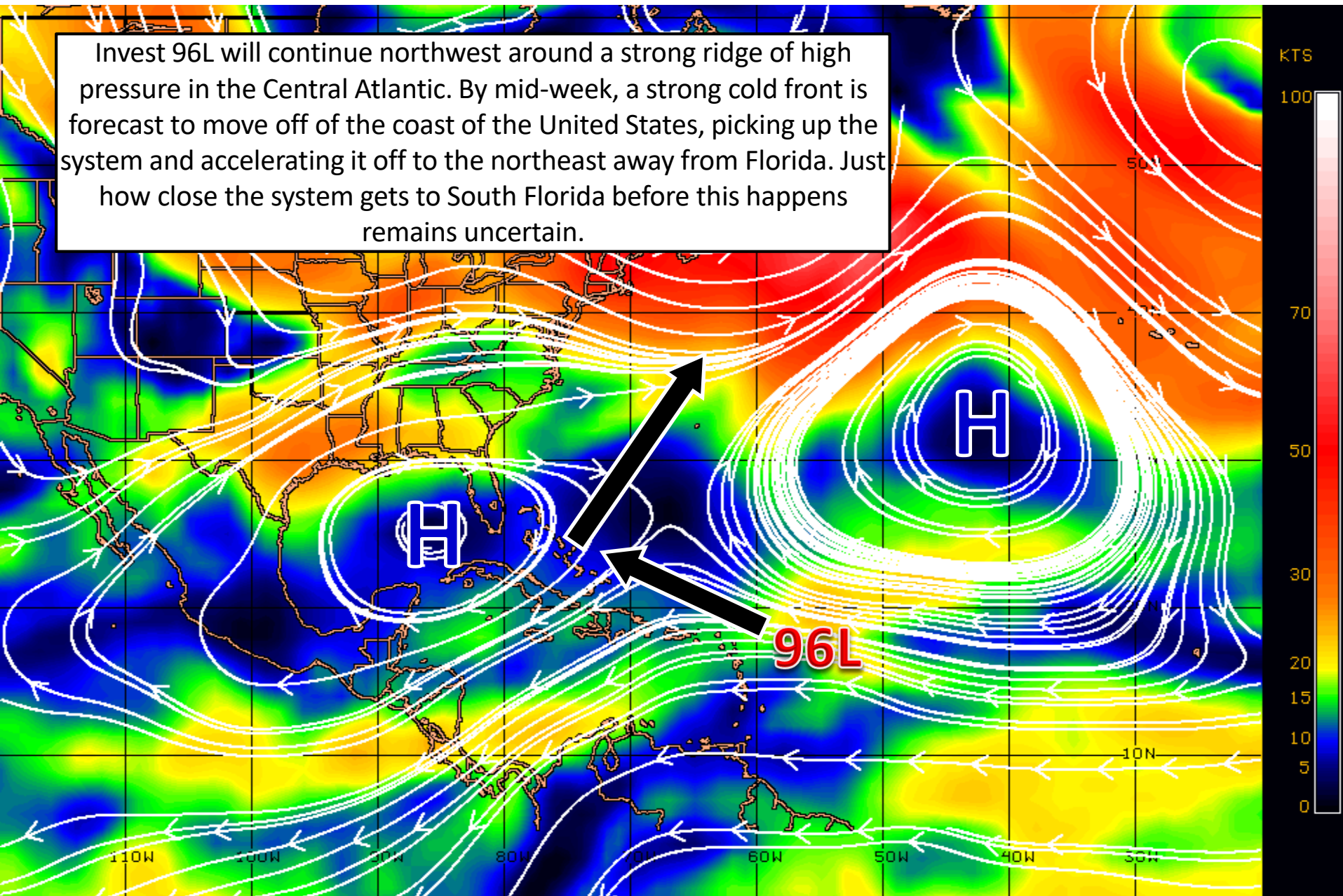
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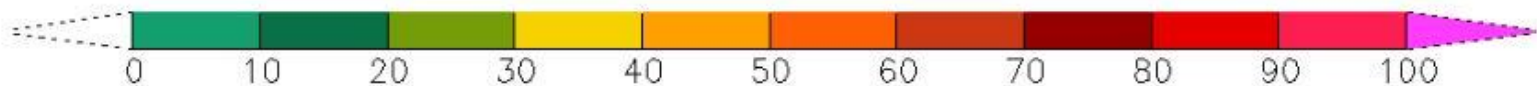
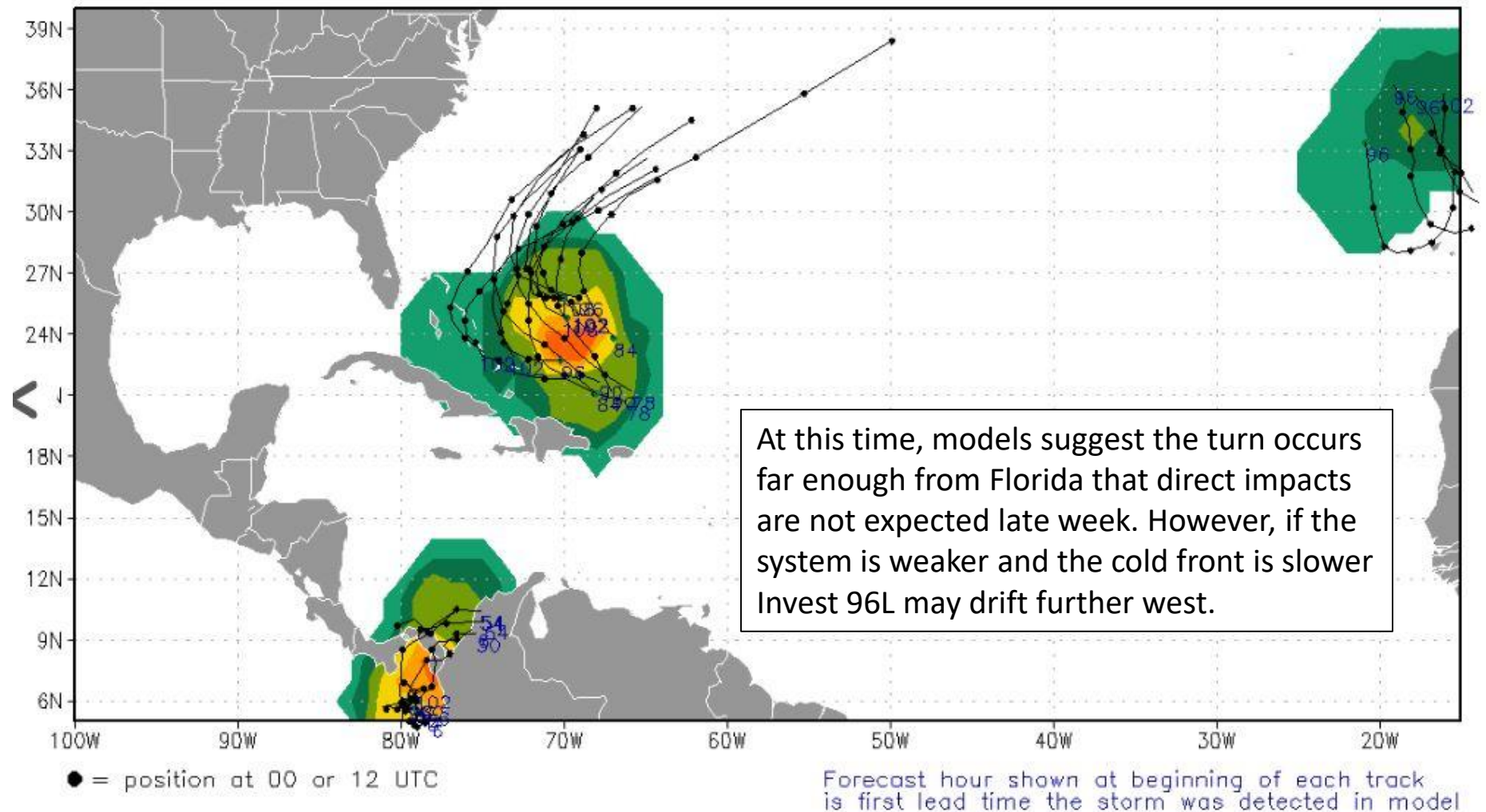
# Steering Currents

Invest 96L will continue northwest around a strong ridge of high pressure in the Central Atlantic. By mid-week, a strong cold front is forecast to move off of the coast of the United States, picking up the system and accelerating it off to the northeast away from Florida. Just how close the system gets to South Florida before this happens remains uncertain.



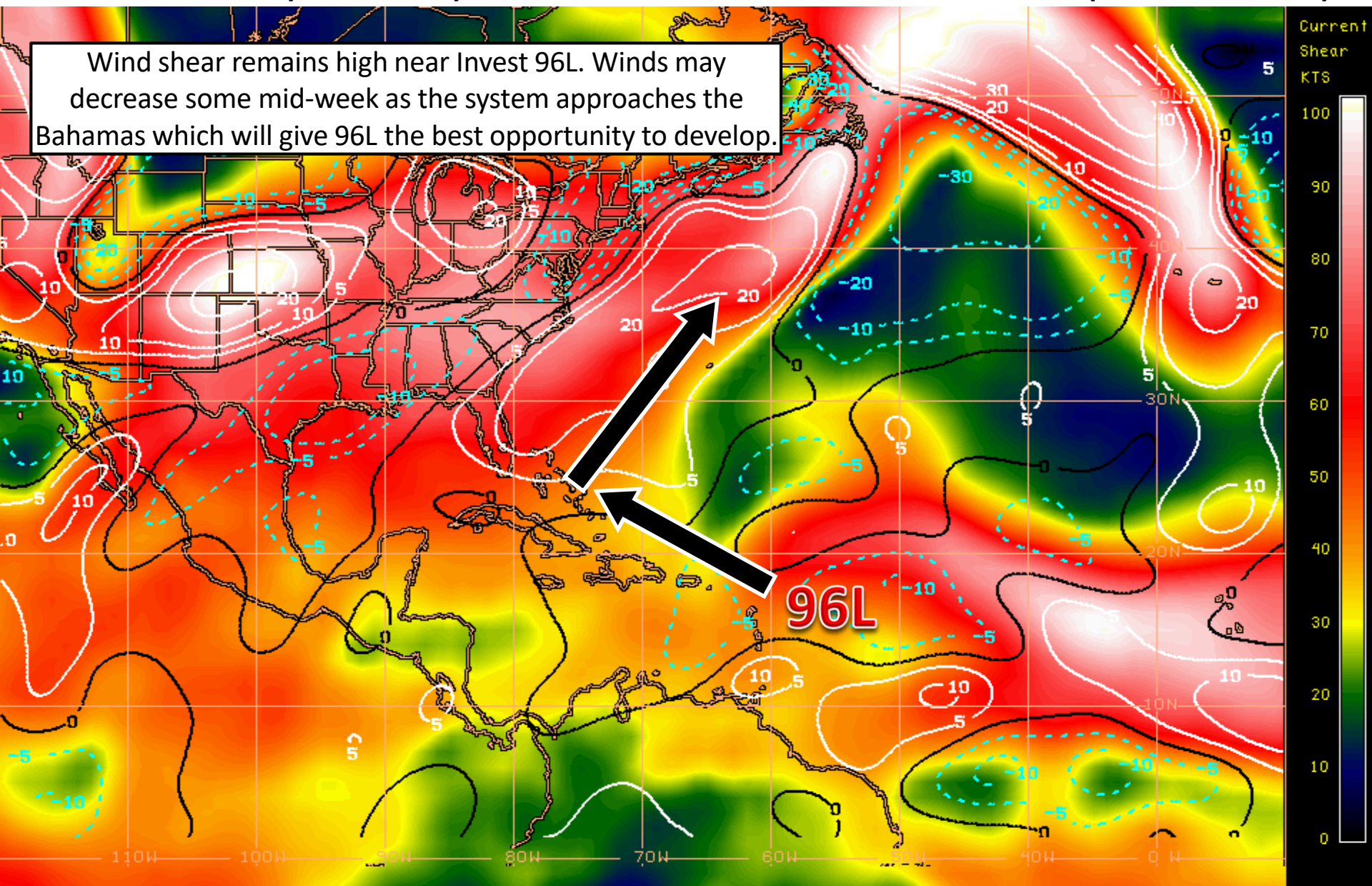


# NCEP Ensemble-based Probability (%) of TC genesis for forecasts during the 00–120h period from initial time = 2018111100



# Wind Shear (shaded) and Wind Shear Tendencies (contoured)

Wind shear remains high near Invest 96L. Winds may decrease some mid-week as the system approaches the Bahamas which will give 96L the best opportunity to develop.



Shear Tendency (KTS) Over Past 24 Hours: Increasing — Decreasing ----

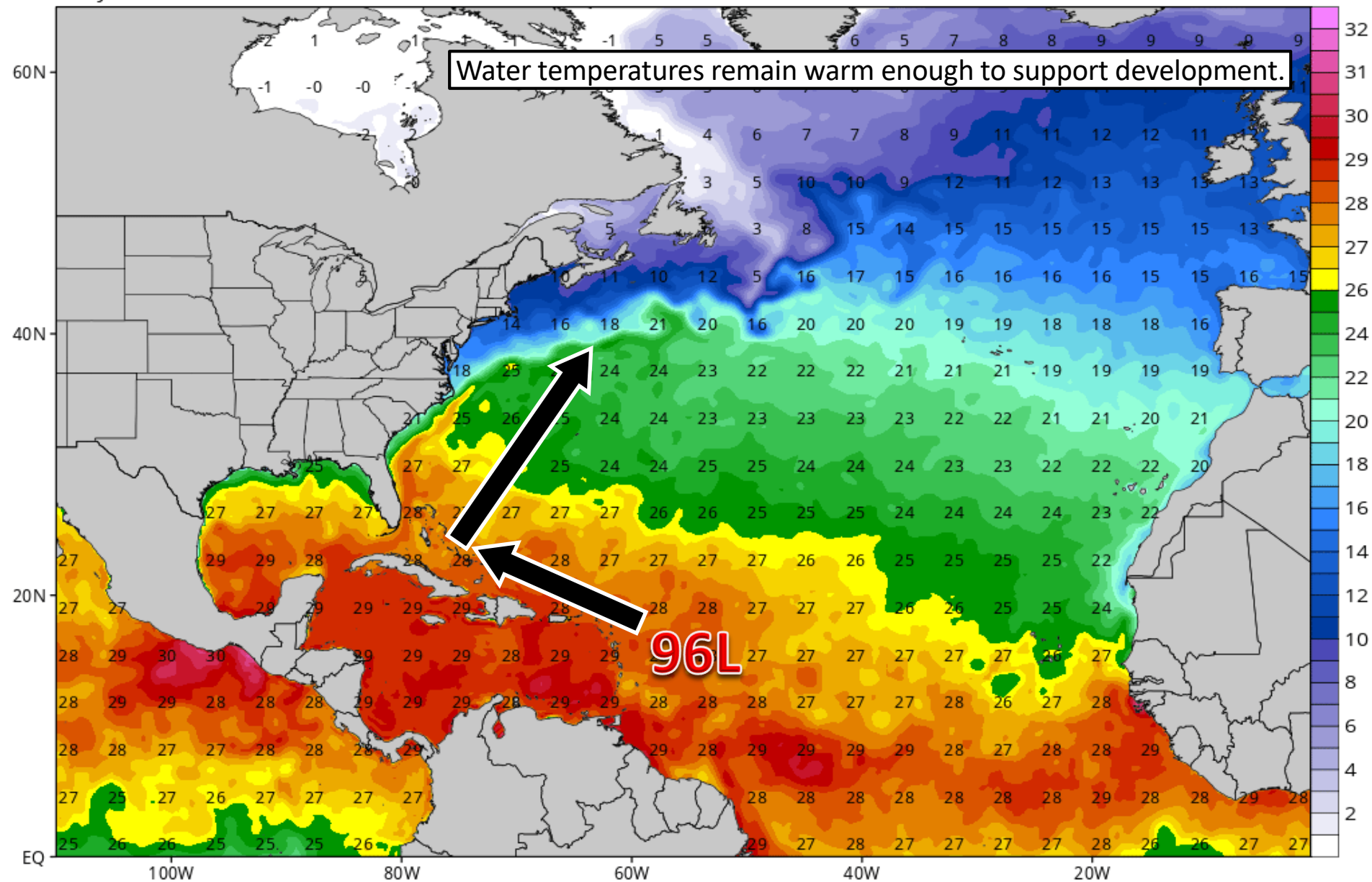
# Current Sea Surface Temperatures

CDAS Sea Surface Temperature (°C)

Analysis Time: 06z Nov 11 2018

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Water temperatures remain warm enough to support development.

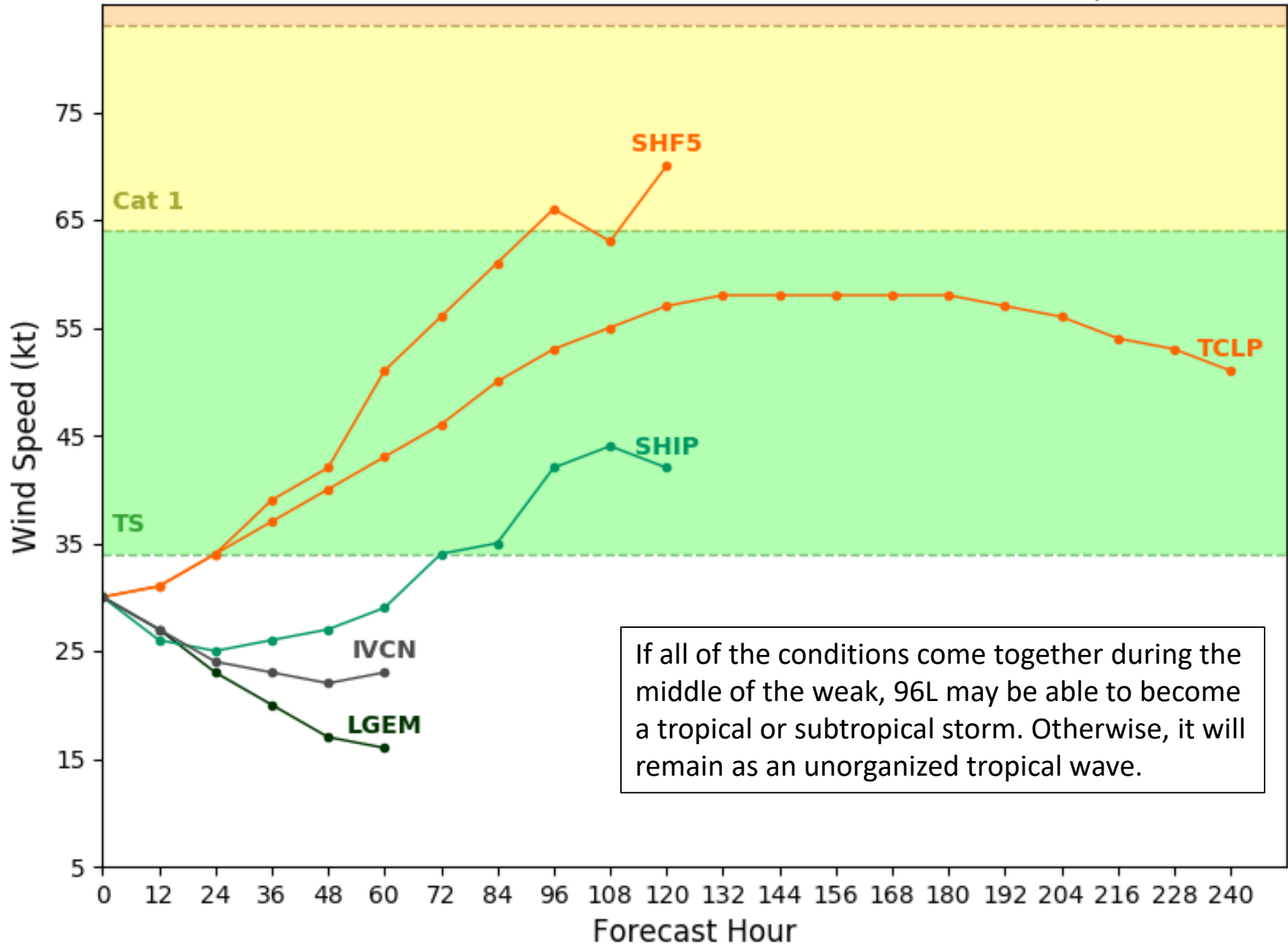




# Invest 96L Model Intensity Guidance

Initialized at 12z Nov 11 2018

Levi Cowan - [tropicaltidbits.com](http://tropicaltidbits.com)



# Weather Summary

- **Overview:** A low pressure system and cold front will affect the Panhandle Monday and Tuesday. Cold temperatures will move into the state Tuesday night and continue through Thursday and Friday.
- **What:** Heavy rain of 2-4" with isolated cases of 5-7"; marginal risk of severe weather with localized cases of damaging winds and isolated tornadoes possible. Cold temperatures and wind chills expected.
- **Where:** Flood threat and severe weather threat greatest in the Panhandle (west of US-231), but new areas of poor-drainage in the eastern Panhandle due to debris could also elevate the flood threat. Low temperatures in the upper 30s west of US-231 and 40s elsewhere. Wind chills in the upper 20s in the western Panhandle with lower to middle 30s elsewhere.
- **When:** Heavy rain threat largest between Monday afternoon and Tuesday morning; cold temperatures near sunrise Wednesday and Thursday mornings.
- **Potential Impacts:** Heavy rain could result in some flash flooding, especially in poor-drainage areas. Localized power outages due to fallen trees caused by saturated soils and severe thunderstorms. Temperatures have been trending warmer and no threat for freezing temperatures or icing of roadways.
- Detailed extended daily forecasts for the Panhandle are available on WebEOC Info Message 96397, updated daily around midday.

# Summary

## **Invest 96L:**

- Newly designated Invest 96L is located a few hundred miles east of the Lesser Antilles.
- This tropical wave remains disorganized at the moment due to high wind shear.
- 96L will travel northwest over the next few days, moving near or north of Puerto Rico and Hispaniola Wednesday and Thursday.
- As the system approaches the Bahamas, conditions will become more favorable for development. By Friday and Saturday, the system will begin to accelerate to the Northeast as it gets picked up by a strong cold front.
- Models disagree on track and intensity, but will come into better agreement over the next few days.
- Locally heavy rainfall is possible across Puerto Rico and the U.S. Virgin Islands on Wednesday and Thursday. Exact impacts will depend on the evolution of Invest 96L.
- The next name on the list is Patty.

## **Florida Outlook:**

- At this time, 96L is expected to remain well east of Florida and not bring any direct impacts.
- However, it should be monitored as a slower cold front and weaker system may allow it to track further west and bring increased rain chances to South Florida.
- This system poses no threat to the Panhandle and Big Bend.
- Depending on how strong the system gets, increased wave heights and rip current risk will be possible next weekend along Atlantic beaches.

The next briefing packet will be issued late Monday morning. For the latest information on the tropics, please visit the National Hurricane Center website at [www.hurricanes.gov](http://www.hurricanes.gov).





# WEATHER UPDATE

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State Meteorological Support Unit

Florida Division of Emergency Management

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