



TROPICAL UPDATE



5:00 PM EDT

Thursday, September 17, 2020

Significant River Flooding in the Panhandle from Sally

Update on Hurricane Teddy & Invest 90L

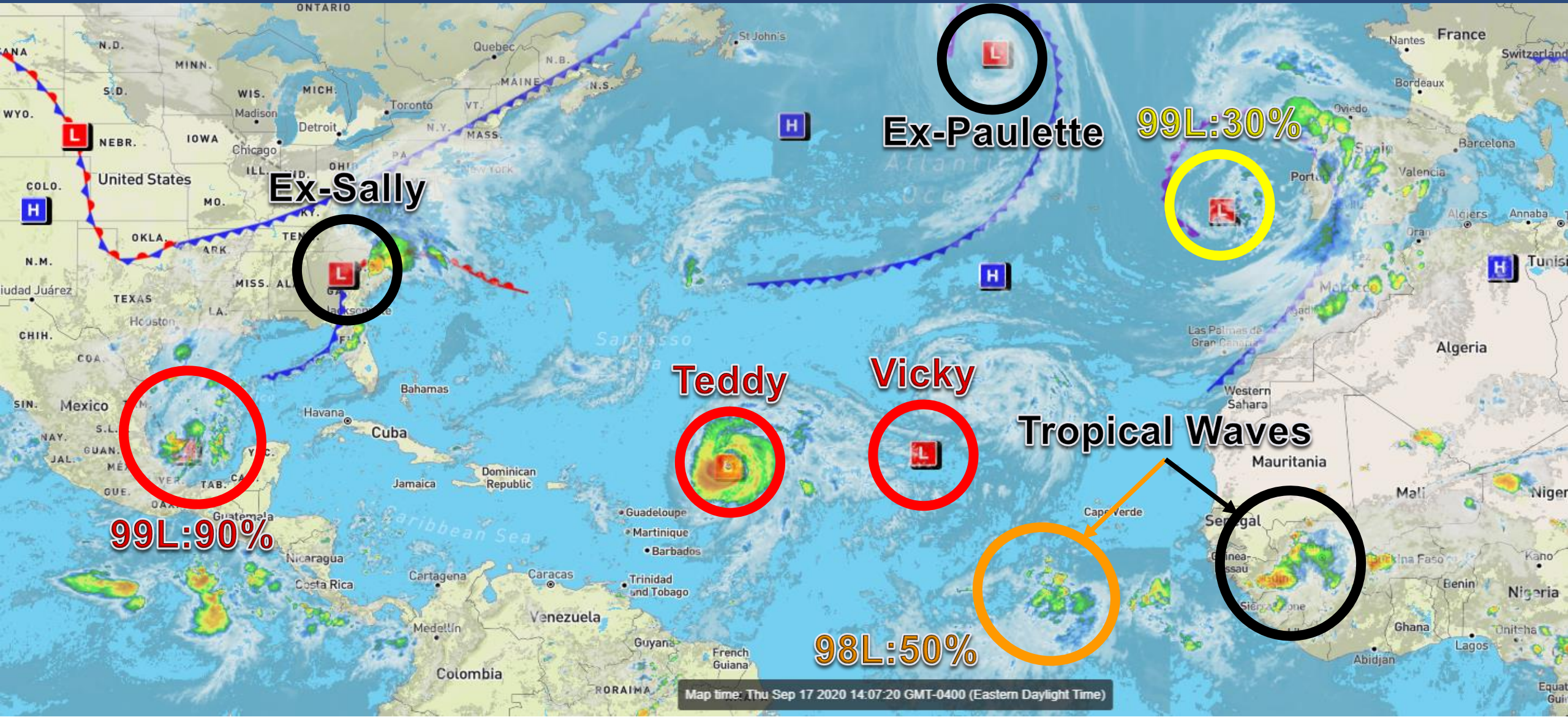
Weekend Coastal Flooding/Beach Erosion Event on East Coast

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

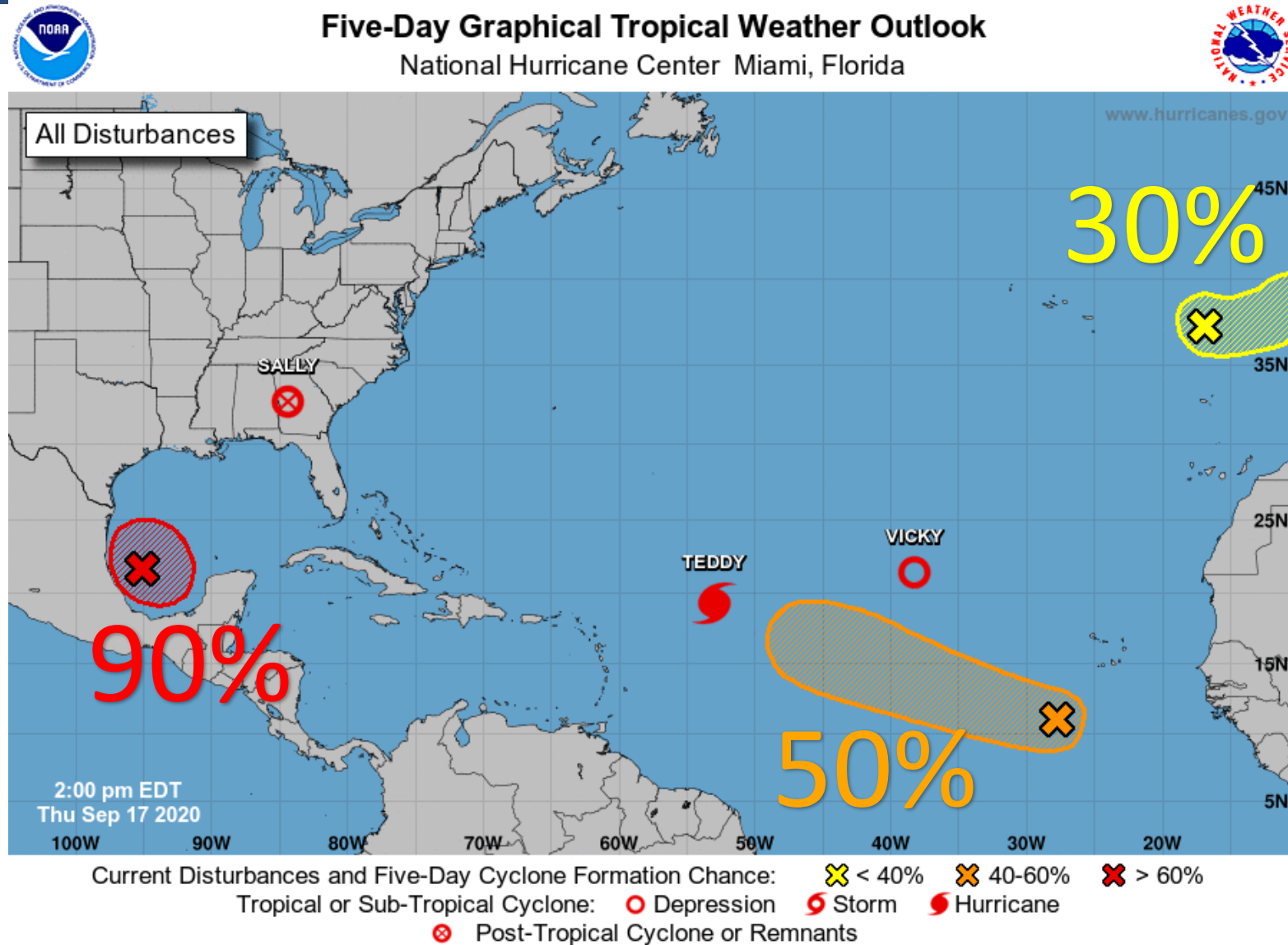
Chance of development: — None — Low — Medium — High





Tropical Weather Outlook

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





Steering Currents

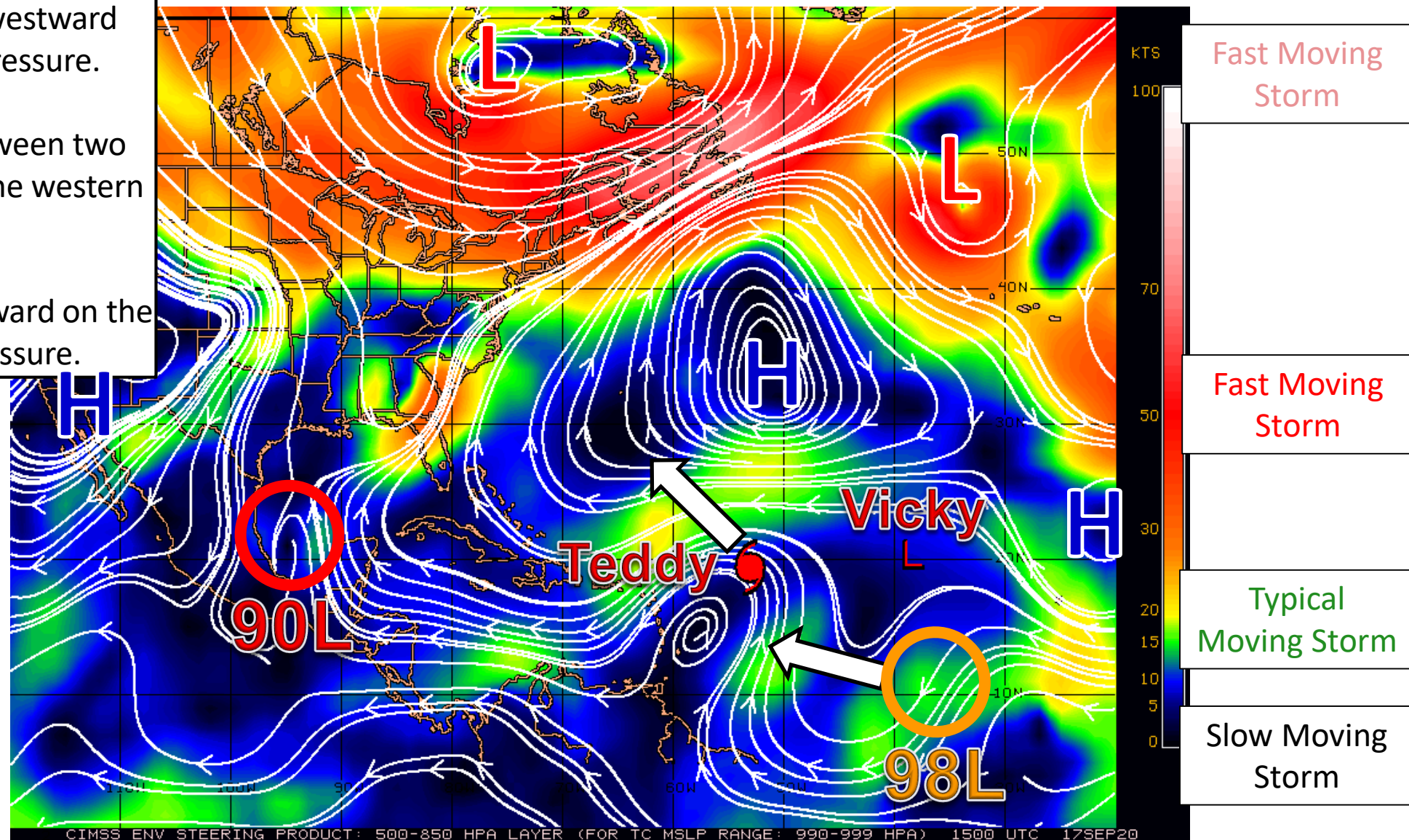
What is Moving the System?

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

Teddy will be steered northwestward toward Bermuda by high pressure.

Invest 90L will be caught between two highs and will meander over the western Gulf as a result.

98L will move west-northwestward on the southern edge of high pressure.





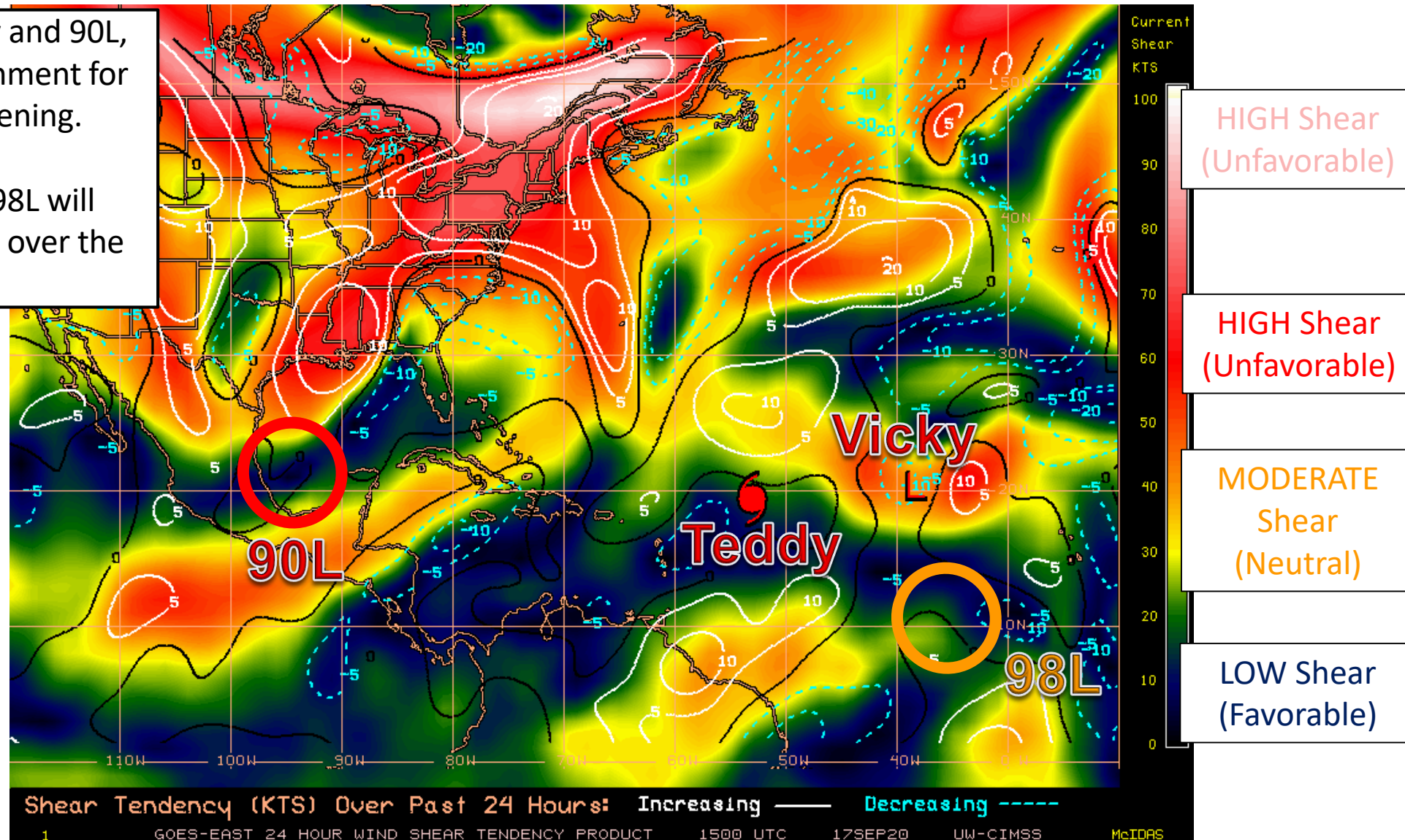
Wind Shear

Is the environment favorable for the system?

Color denotes the amount of wind shear and the lines denote how it have changed over the last 24 hours (dotted lines show decreasing shear and solid lines show increasing).

Wind shear is low over Teddy and 90L, leading to a favorable environment for organization and strengthening.

Vicky is likely to dissipate. 98L will encounter higher wind shear over the coming days.

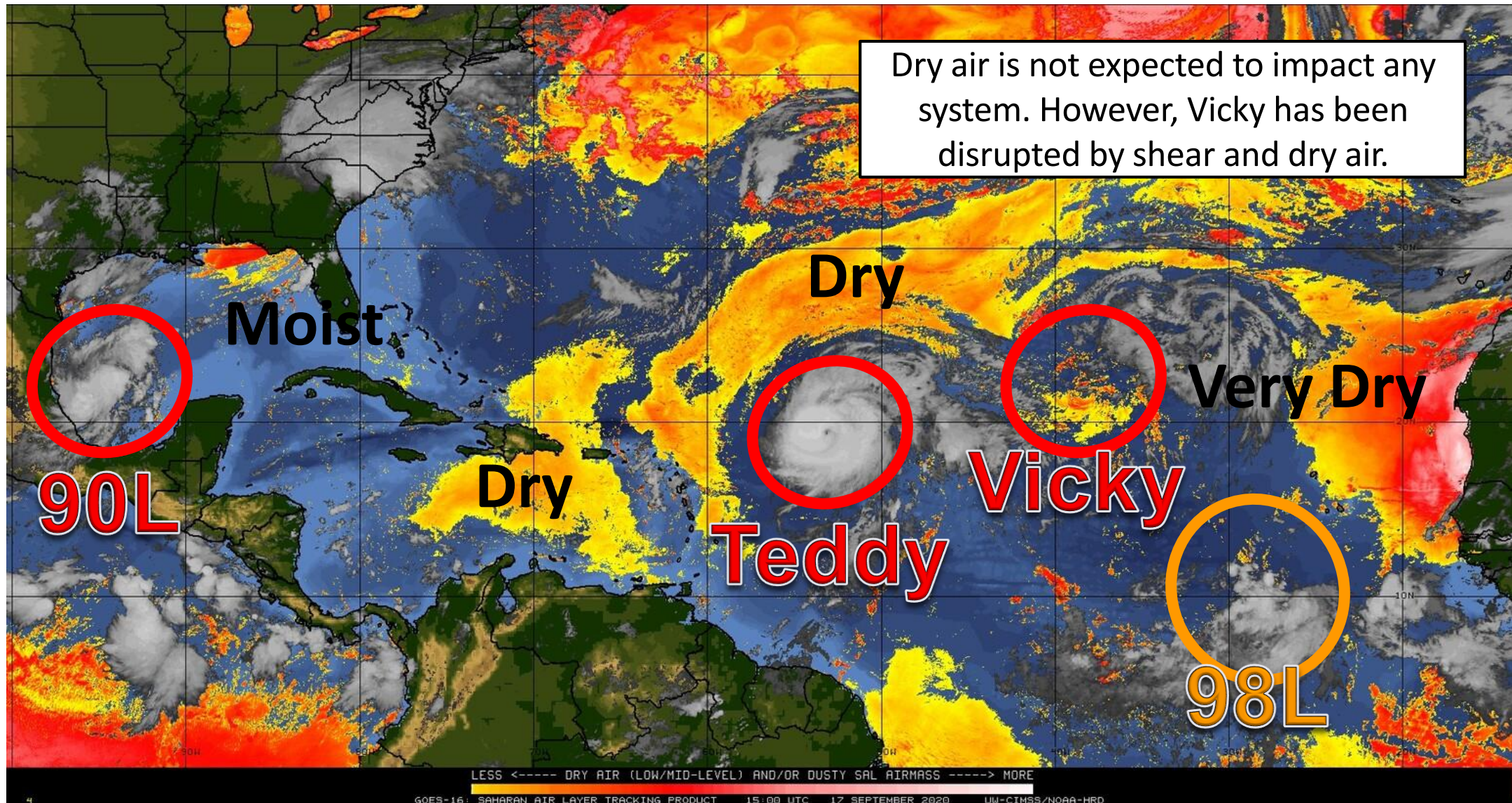




Dry Air & Saharan Dust

Is the environment favorable for the system?

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





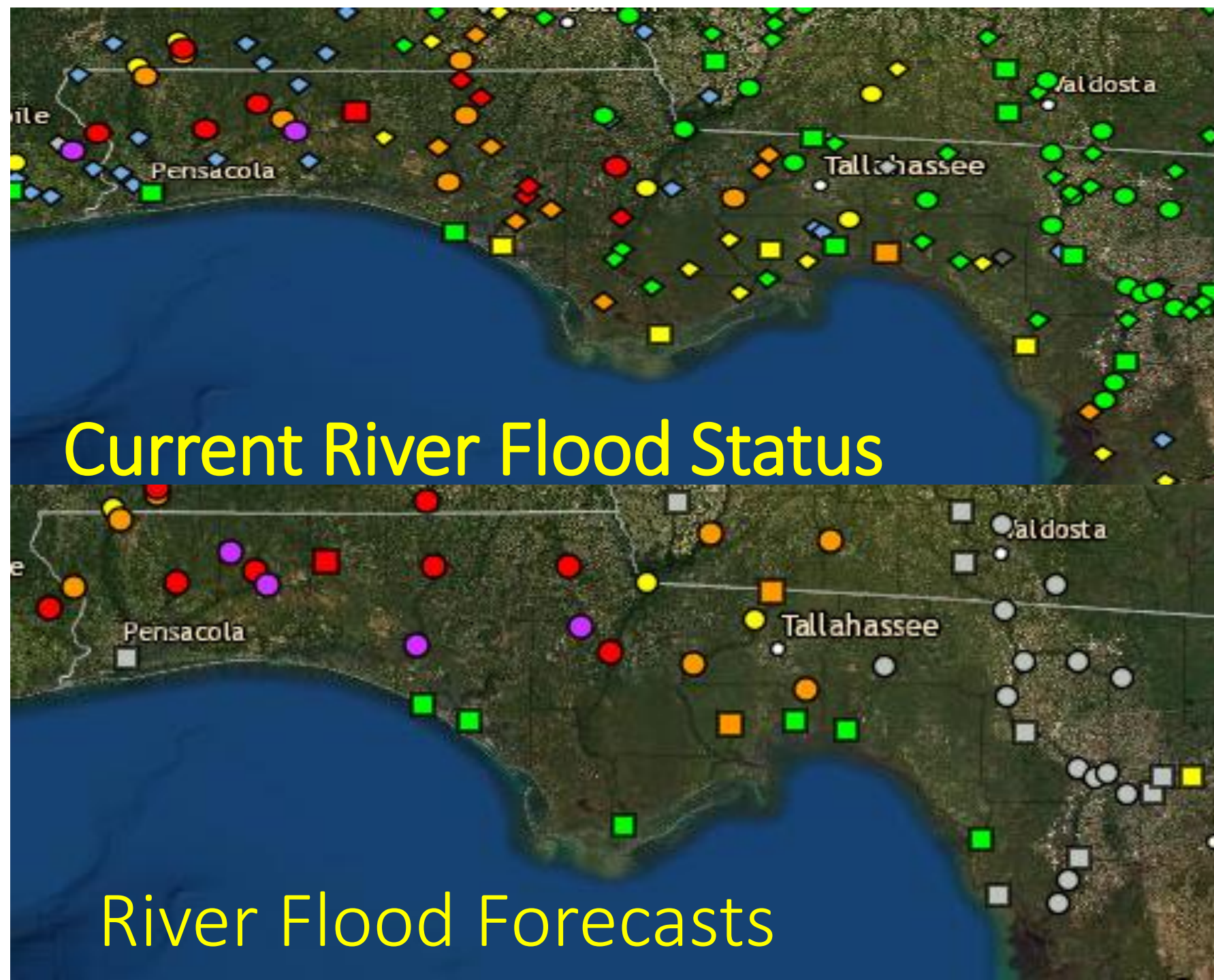
Latest River Forecasts

Southeast River Forecast Center

River Gauges	County(ies) Affected	Status	Crest Level	Crest Day	Below Flood Stage Day
Perdido River near Barrineau Park	Escambia	FALLING	MODERATE 22.3 ft.	9/16	9/18
Escambia River near Century	Escambia, Santa Rosa	RISING	MINOR: 24.3 ft.	9/18	Beyond 9/23
Big Coldwater Creek near Milton	Santa Rosa	RISING	MODERATE: 21.7 ft.	9/17	9/19
Blackwater River near Baker	Okaloosa, Santa Rosa	FALLING	MAJOR: 24.49 ft.	9/17	9/18
Yellow River at Milligan	Okaloosa	RISING	MODERATE: 17.3 ft.	9/18	9/20
Shoal River near Crestview	Okaloosa	RISING	MAJOR: 19.3 ft.	9/18	9/21
Shoal River near Mossy Head	Walton	FALLING	MAJOR: 25.65 ft.	9/16	9/17
Choctawhatchee River at Caryville	Holmes, Washington	RISING	MODERATE: 18.7 ft.	9/20	Beyond 9/24
Choctawhatchee River near Bruce & Ebro	Walton, Washington	RISING	MAJOR: 20.7 ft.	9/18	Beyond 9/29
Chipola River at Marianna	Jackson	RISING	MODERATE: 22.1 ft.	9/19	Beyond 9/22
Chipola River near Altha	Jackson, Calhoun	RISING	MAJOR: 30.8 ft.	9/18	Beyond 9/23
Apalachicola River near Blountstown	Calhoun, Liberty, Gulf, Franklin	RISING	MODERATE: 23.6 ft.	9/20	Beyond 9/25
Ochlockonee River near Concord	Gadsden, Leon	RISING	MINOR: 36.3 ft.	9/21	Beyond 9/23
Ochlockonee River near Bloxham	Gadsden, Liberty, Leon, Wakulla	RISING	MINOR 21.5 ft.	9/18	9/19
Sopchoppy River near Sopchoppy	Wakulla	CRESTING	MINOR: 28.16 ft.	9/17	9/17
St. Marks River near Newport	Leon, Wakulla	RISING	MINOR: 8.4 ft.	9/19	Beyond 9/23

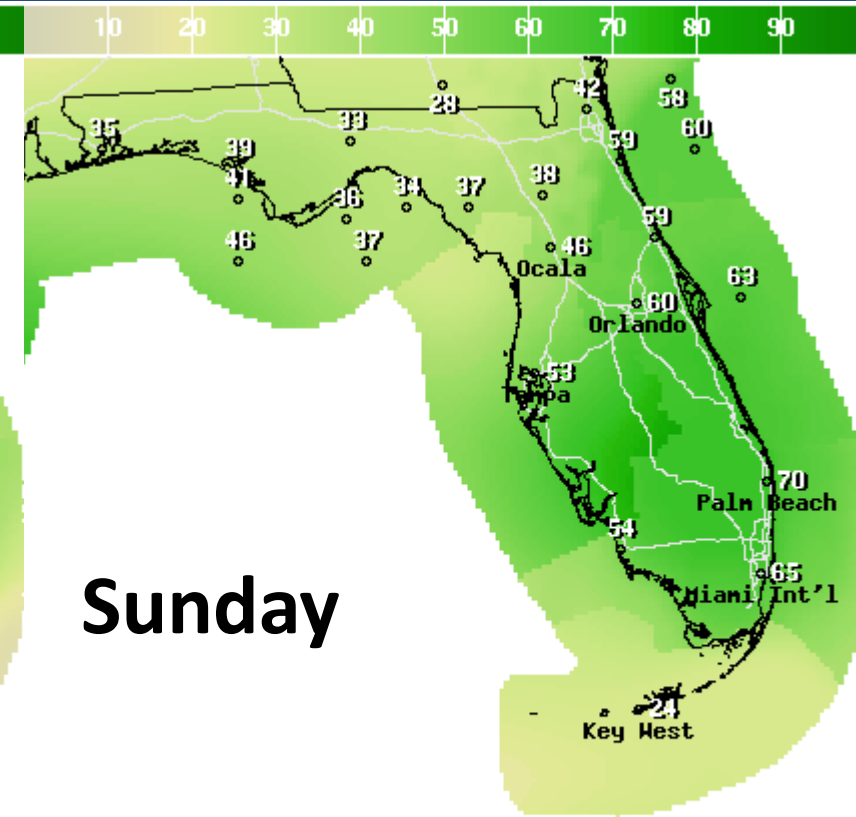
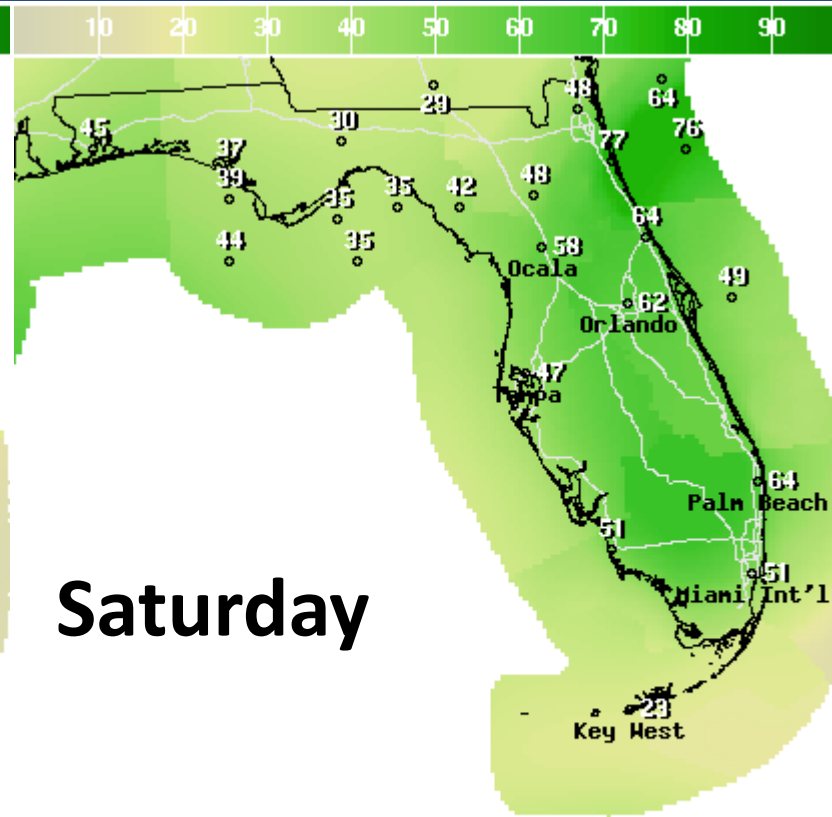
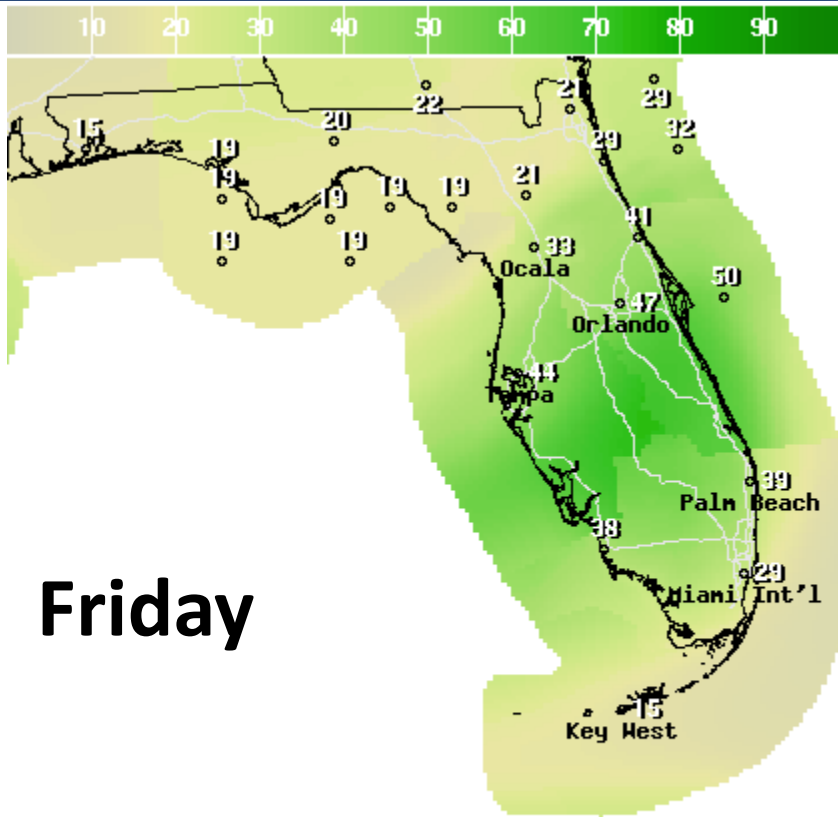


The latest
forecast
hydrographs can
be found in
**WebEOC Info
Message #132**





Rain Chances Next 3 Days



12Hr Prob.Precip(%) Ending Fri Sep 18 2020 8PM EDT
(Sat Sep 19 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:27PM EDT

12Hr Prob.Precip(%) Ending Sat Sep 19 2020 8PM EDT
(Sun Sep 20 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:27PM EDT

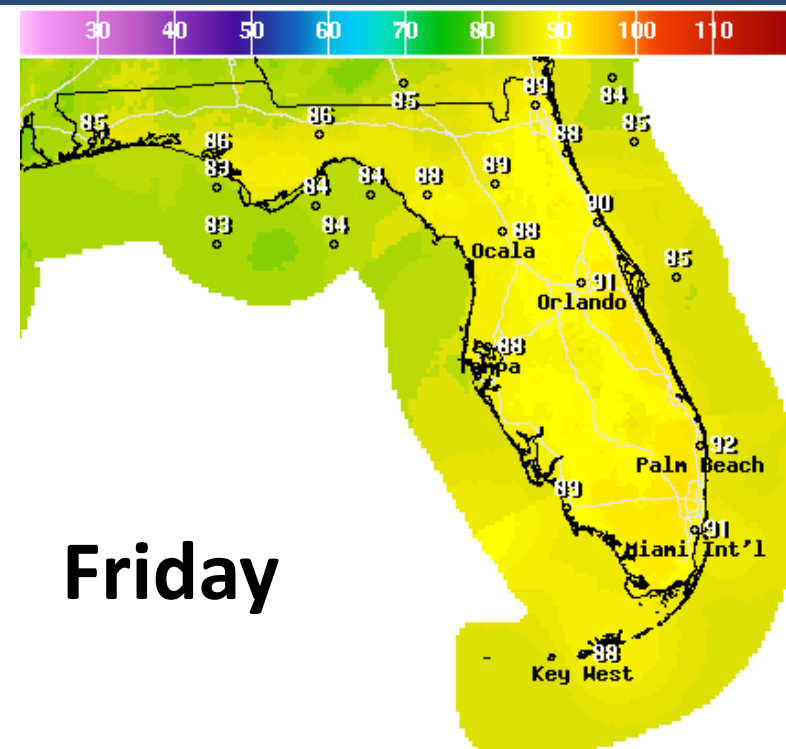
12Hr Prob.Precip(%) Ending Sun Sep 20 2020 8PM EDT
(Mon Sep 21 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:27PM EDT

Isolated to scattered showers possible each day in the Panhandle & Big Bend.

Increasing rain chances in the Peninsula with stalling front and strong east winds.

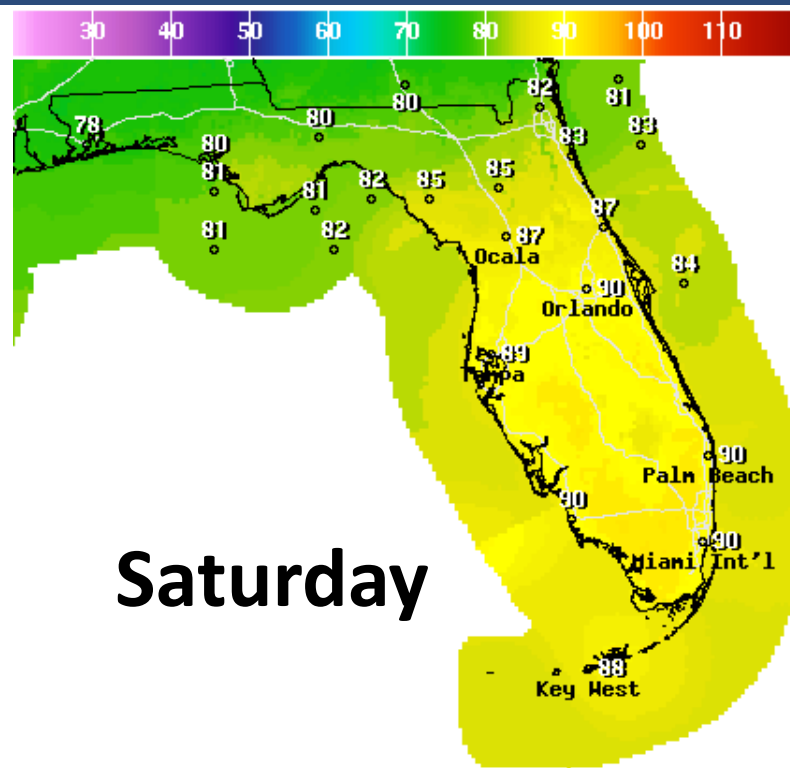


High Temperatures Next 3 Days



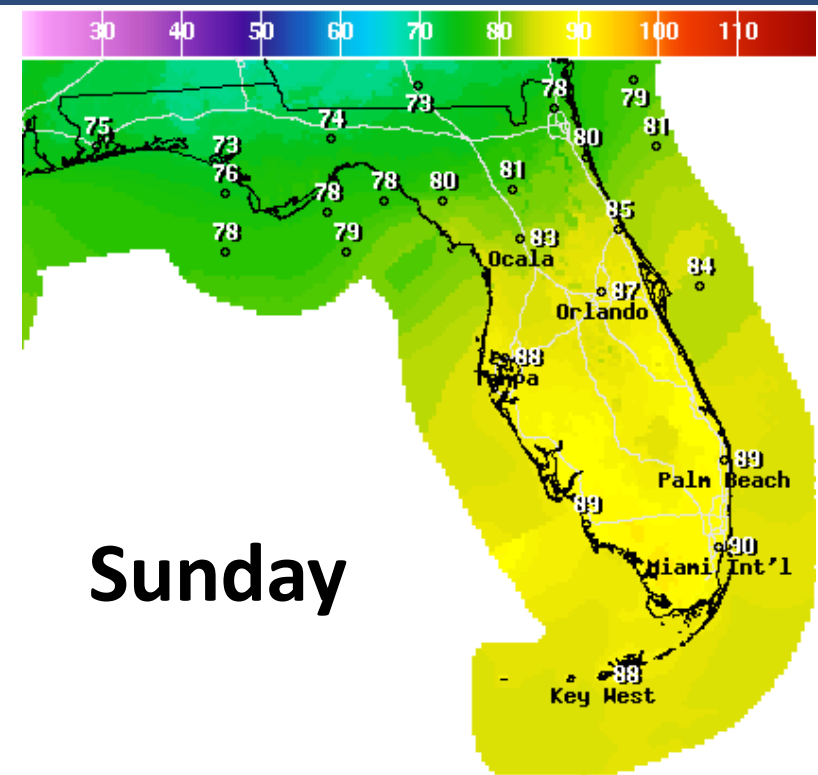
Friday

High Temperature(F) Ending Fri Sep 18 2020 8PM EDT
(Sat Sep 19 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:10PM EDT



Saturday

High Temperature(F) Ending Sat Sep 19 2020 8PM EDT
(Sun Sep 20 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:10PM EDT



Sunday

High Temperature(F) Ending Sun Sep 20 2020 8PM EDT
(Mon Sep 21 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:11PM EDT

Cold front brings much cooler temperatures to North Florida. Still a summer-like feel across the Peninsula.



Tropical Weather Outlook

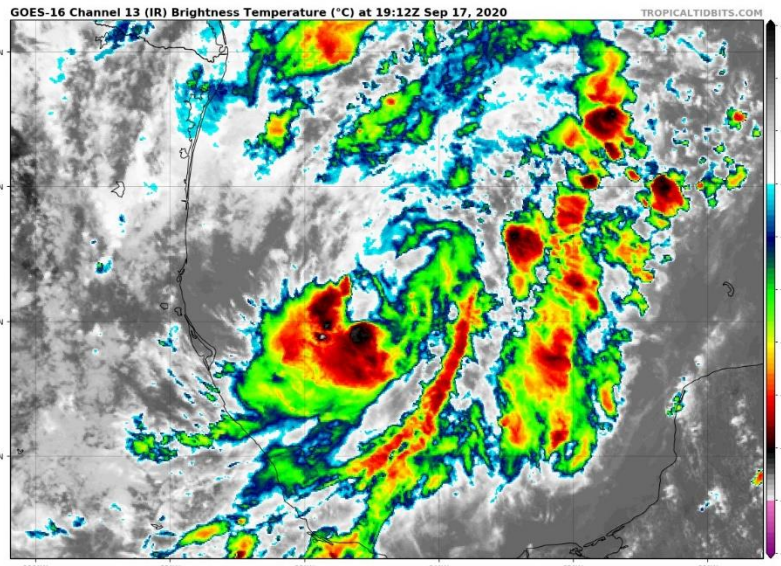
Possible Area of Development During the Next 5 Days ([LINK](#)) – Invest 90L



Five-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



Disturbance 1



Shower and thunderstorm activity has changed little today in association with an area of low pressure located over the southwestern Gulf of Mexico.

Upper-level winds are gradually becoming more conducive for development, and a tropical depression or a tropical storm could form within the next day or so.

The low is expected to meander over the southwestern Gulf of Mexico through tonight before moving slowly northward or northeastward on Friday and Saturday.

An Air Force Reserve reconnaissance aircraft is en route to investigate the system.

***Formation chance through 48 hours...high...90%**

2:00 pm EDT
Thu Sep 17 2020

Current Disturbances and Five-Day Cyclone Formation Chance:
Tropical or Sub-Tropical Cyclone: ○ Depression ⚡ Storm 🌀 Hurricane
⊗ Post-Tropical Cyclone or Remnants

✕ < 40% ✕ 40-60% ✕ > 60%

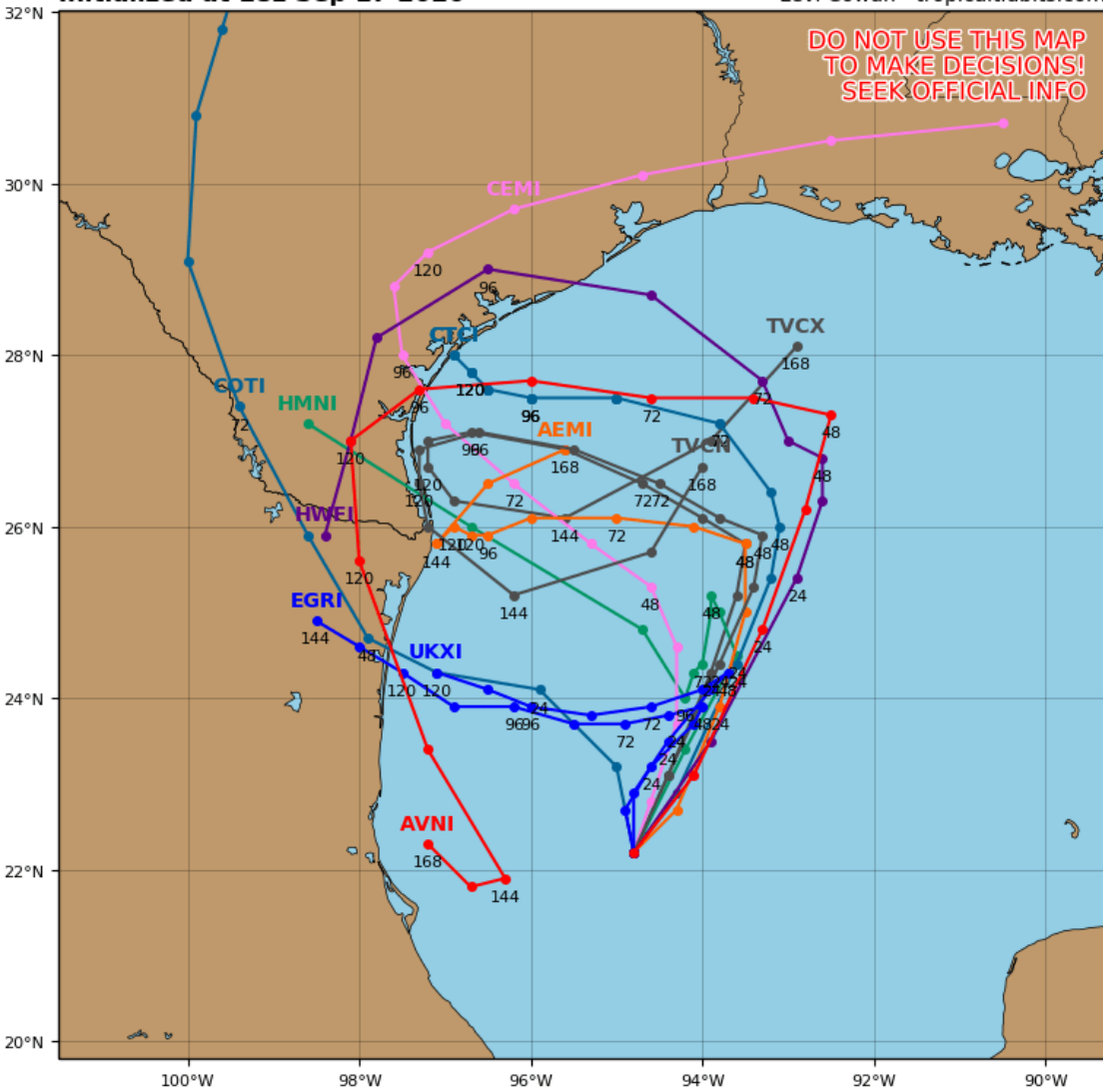


Invest 90L Model Guidance

Invest 90L Model Track Guidance

Initialized at 18z Sep 17 2020

Levi Cowan - tropicaltidbits.com

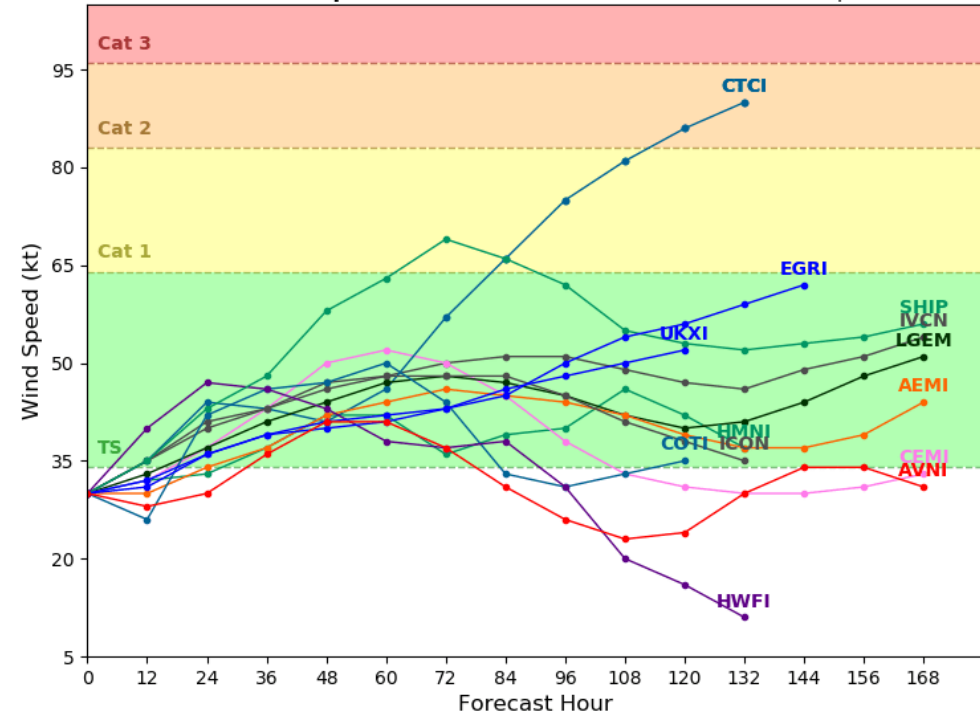


Computer models are in general agreement on a slow northeast track through the next 3 days as a tropical storm before being turned westward by high pressure building over the Eastern U.S. in the wake of Sally. However, these slow, meandering systems have higher-than-normal track uncertainty. This system should be monitored.

Invest 90L Model Intensity Guidance

Initialized at 18z Sep 17 2020

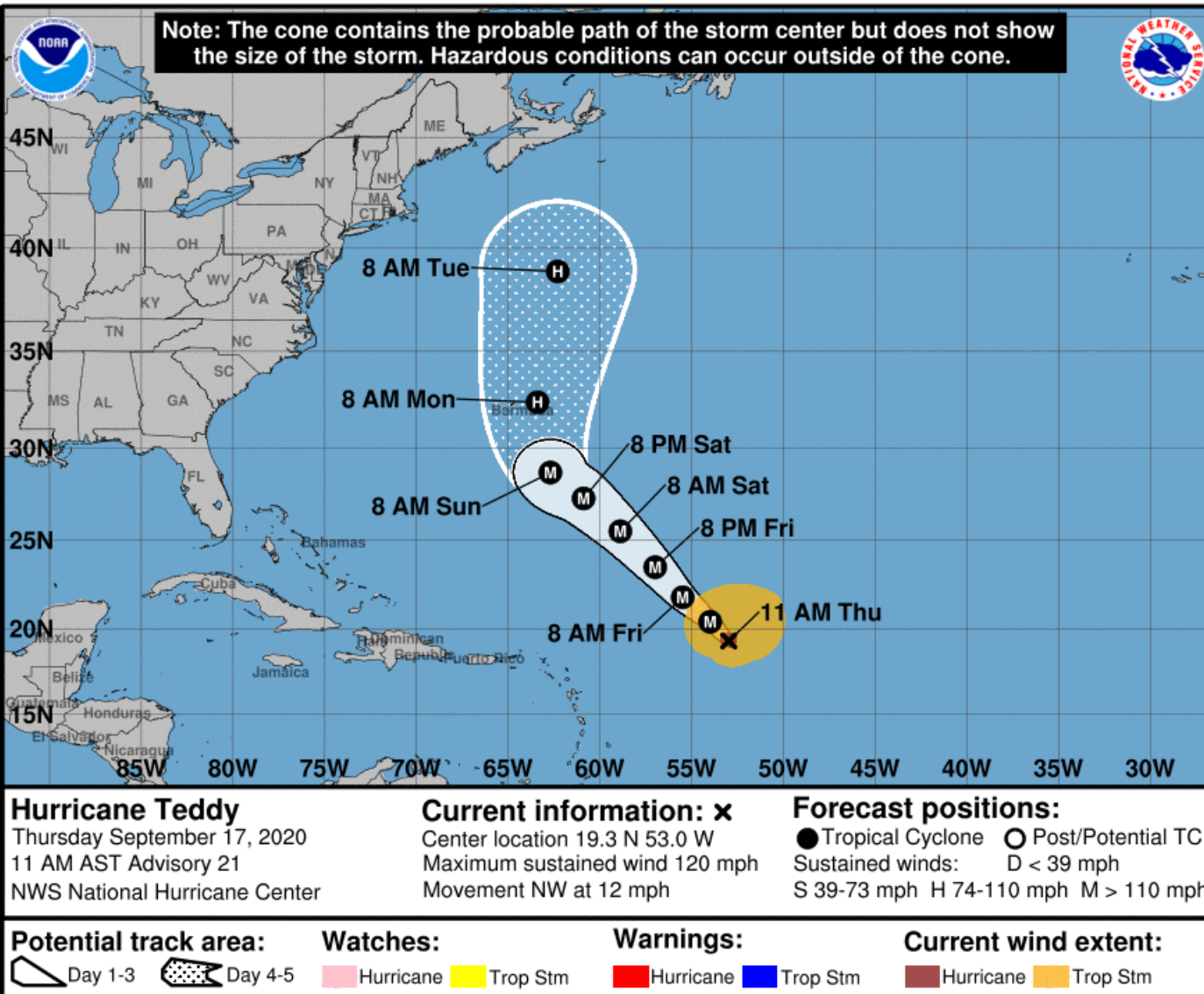
Levi Cowan - tropicaltidbits.com





Official Forecast Track

From the National Hurricane Center – Hurricane Teddy

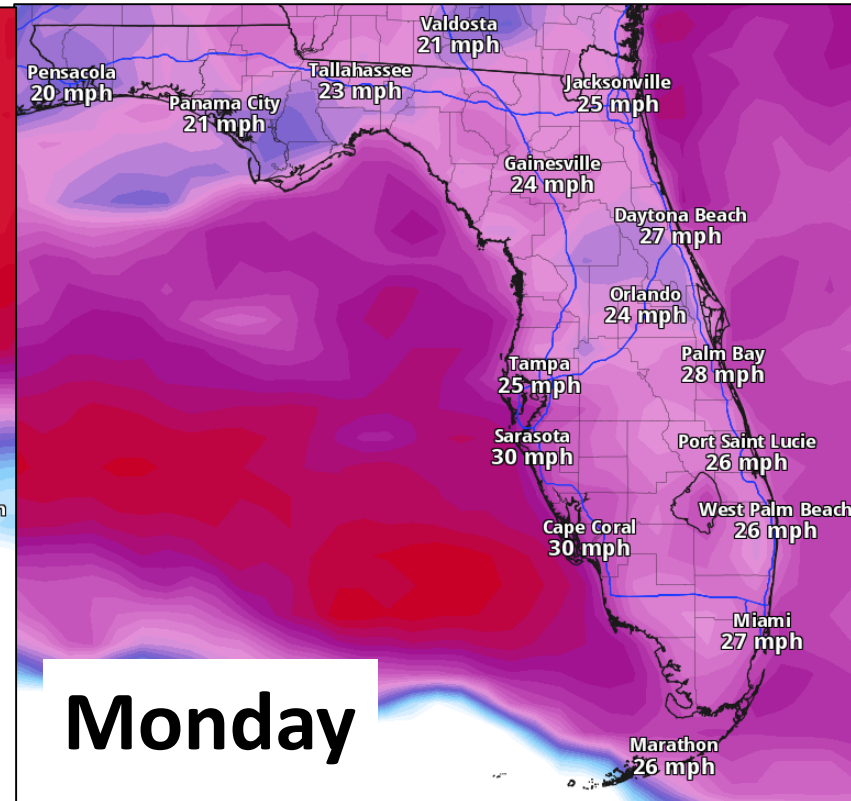
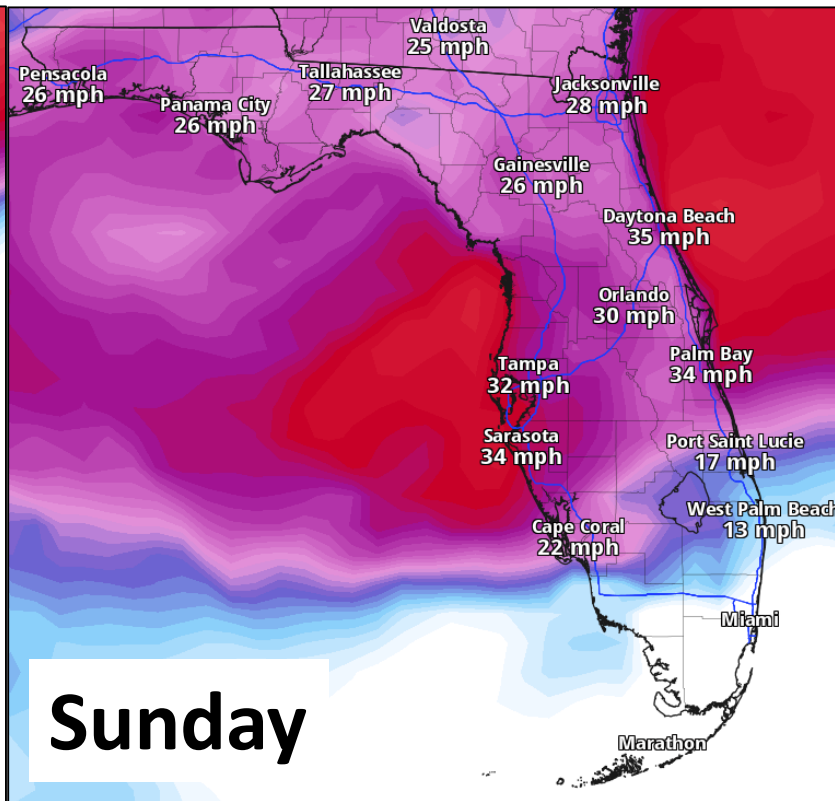
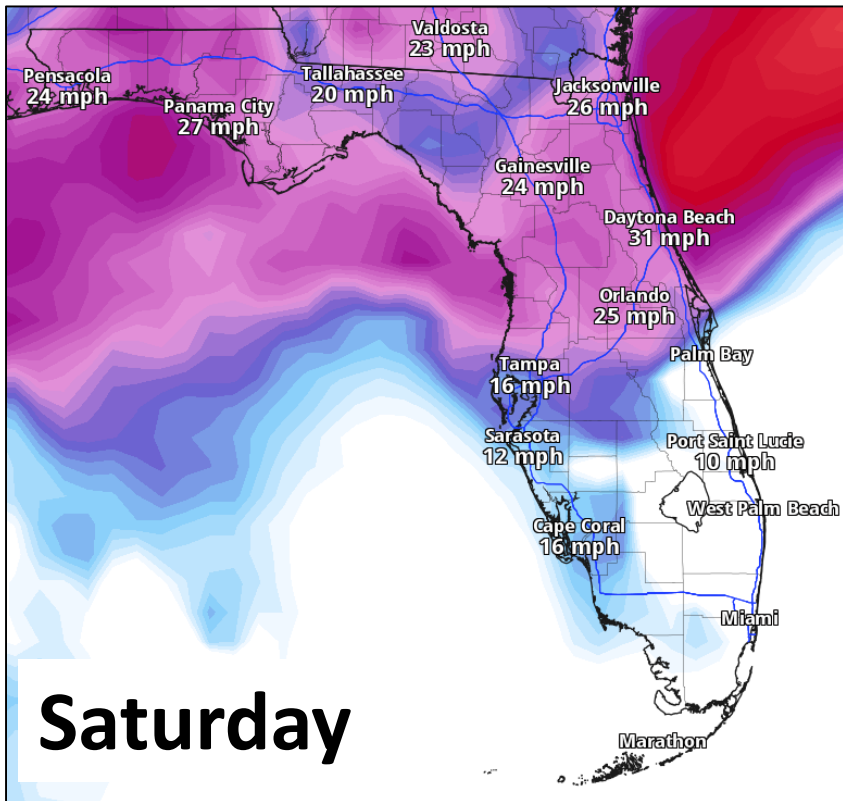
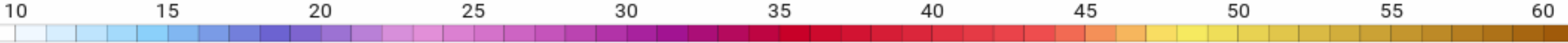


- The center of Hurricane Teddy is located about 1,070 miles southeast of Bermuda.
- Maximum sustained winds are at 140 mph (Category 4).
- Teddy is moving toward the northwest at 13 mph, and this general motion is expected to continue over the weekend before turning northward.
- Additional strengthening is possible, and Teddy will be a powerful hurricane over the Atlantic.
- While direct impacts are not expected, Teddy will generate long-period swells and high seas along the Florida East Coast this weekend into early next week.



Wind Gusts Saturday - Monday

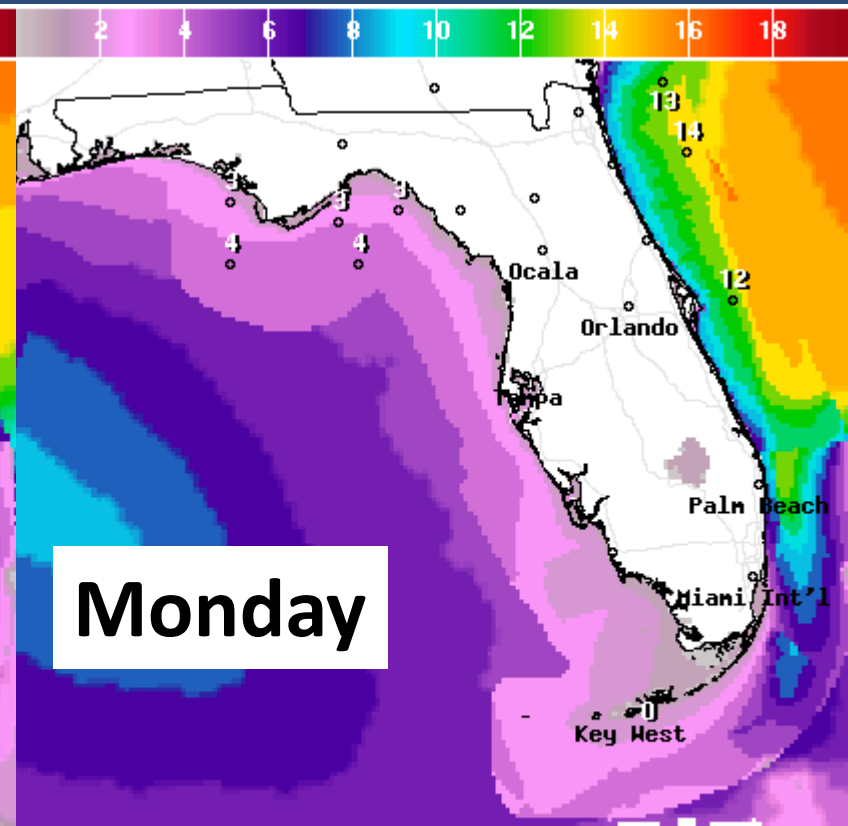
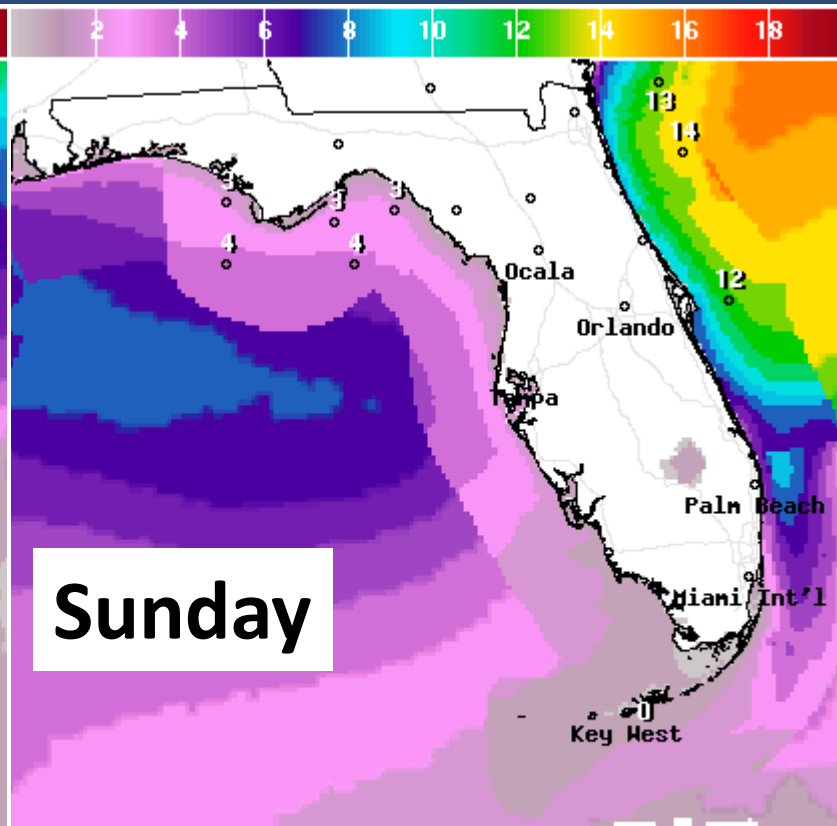
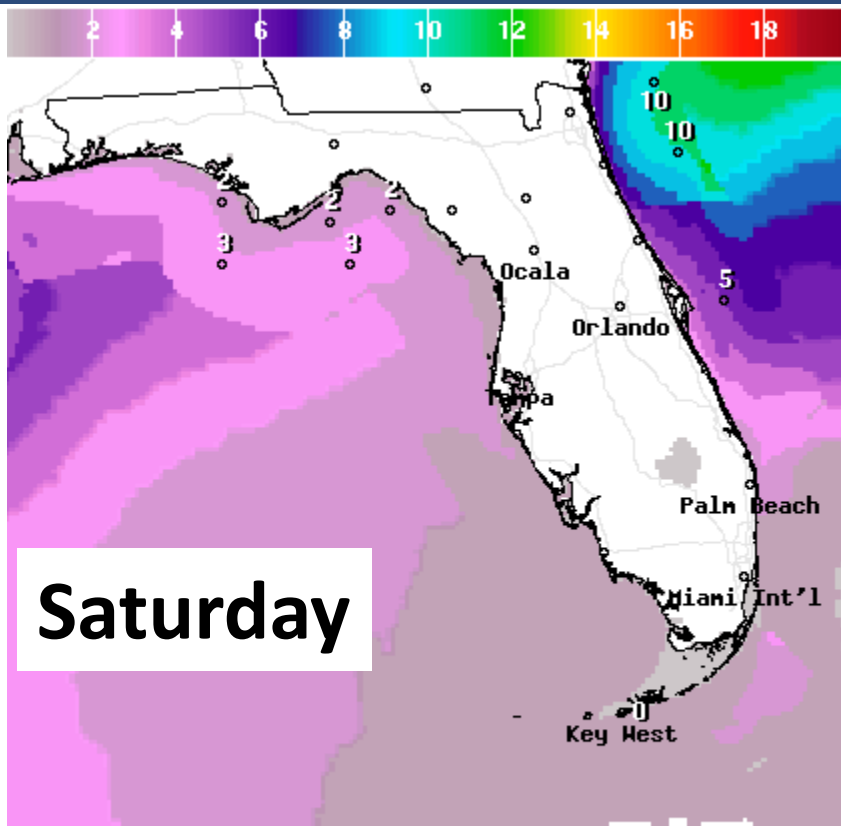
Model Forecast



As a strong cold front moves southward through the state, winds will become very gusty along the Peninsula coast—30-40 mph gusts possible, especially along the East Coast.



Wave Heights Saturday - Monday



Wave Height(ft) Ending Sat Sep 19 2020 8PM EDT
(Sun Sep 20 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:23PM EDT

Wave Height(ft) Ending Sun Sep 20 2020 8PM EDT
(Mon Sep 21 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:23PM EDT

Wave Height(ft) Ending Mon Sep 21 2020 8PM EDT
(Tue Sep 22 2020 00Z)
National Digital Forecast Database
19z issuance Graphic created-Sep 17 3:24PM EDT

The combination of strong northerly winds and swells from Hurricane Teddy will create very high seas along the East Coast well into next week. Beach erosion and dangerous rip currents likely!



Overall Summary

Post-Tropical Cyclone Sally

- The remnants of Sally are moving into the Carolinas, but significant river flooding continues along Panhandle and Big Bend rivers.
- Only isolated to scattered showers remain across North Florida.

Hurricane Teddy

- Teddy is currently located about 1,155 miles southeast of Bermuda, moving northwest at 12 mph.
- Maximum sustained winds are near 140 mph (Category 4). Additional strengthening is expected over the next 36 hours followed by gradual weakening next week.
- Teddy will approach Bermuda early next week.
- Significant swells will impact the U.S. East Coast starting this weekend into early next week.

Invest 90L in the Gulf of Mexico

- An area of low pressure over the southwestern Gulf of Mexico will likely become a tropical depression or tropical storm during the next day or so.
- This system will generally meander over the western Gulf of Mexico during the next 5 days, but slow, meandering systems have a high track uncertainty.
- This system has a 90% (high) chance of formation.
- The next name on the list is Wilfred.

Invest 98L in the Eastern Atlantic

- An area of low pressure southwest of the Cabo Verde Islands could develop over the next couple days before conditions become unfavorable on Sunday.
- This system has a 40% (medium) chance of formation during the next 48 hours and a 50% (medium) chance during the next 5 days as it moves west-northwestward over the open Atlantic.

Invest 99L between the Azores and Portugal

- A non-tropical low in the northeast Atlantic could acquire subtropical characteristics as it moves over warmer water.
- This system has a 30% (low) chance of formation before moving into Portugal late Friday night.



Florida Outlook

Florida Outlook:

- **River Flood Warnings** continue for several rivers in the Panhandle. Many are expected to crest in the next 24-36 hours. The Chipola and Apalachicola Rivers may crest this weekend and remain well above flood stage for several days to possibly several weeks.
- Minor coastal flooding remains possible along the Panhandle and Big Bend coast with onshore winds creating tides 1-2' above normal.
- Scattered showers will remain possible across North Florida, but a cold front brings cooler temperatures to North Florida.
- This cold front will bring gusty winds of 30-40 mph this weekend into early next week to parts of the Peninsula, especially along the East Coast.
- The combination of strong northerly winds and swells from Hurricane Teddy will create very high surf along the East Coast this weekend into next week. Beach erosion and dangerous rip currents are expected!
- No direct impacts are expected from any other tropical system, but Invest 90L in the Gulf of Mexico should continue to be monitored.

The next briefing packet will be issued Friday 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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State Meteorological Support Unit

Florida Division of Emergency Management

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