

Updated: 1:00 PM CT, Wednesday, July 21, 2021

- **As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on call number, **(317)-560-8122** press 1 for forecast questions.**

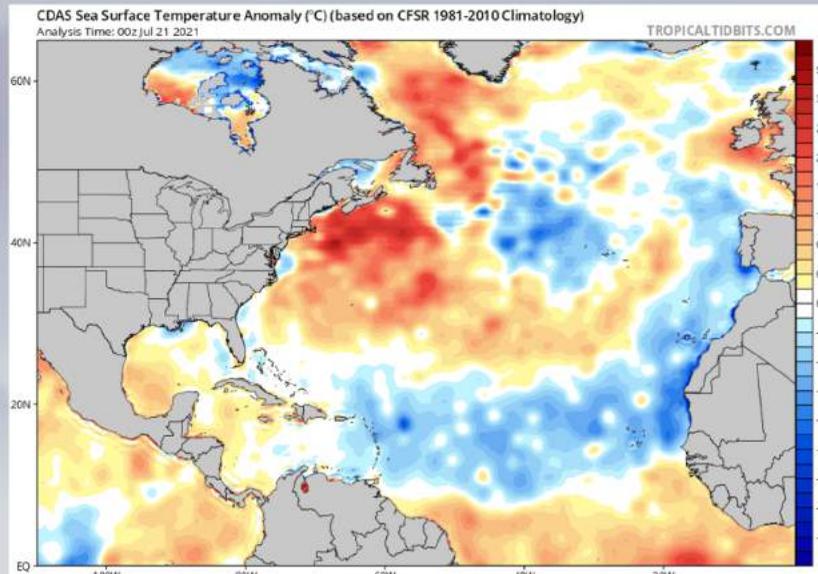
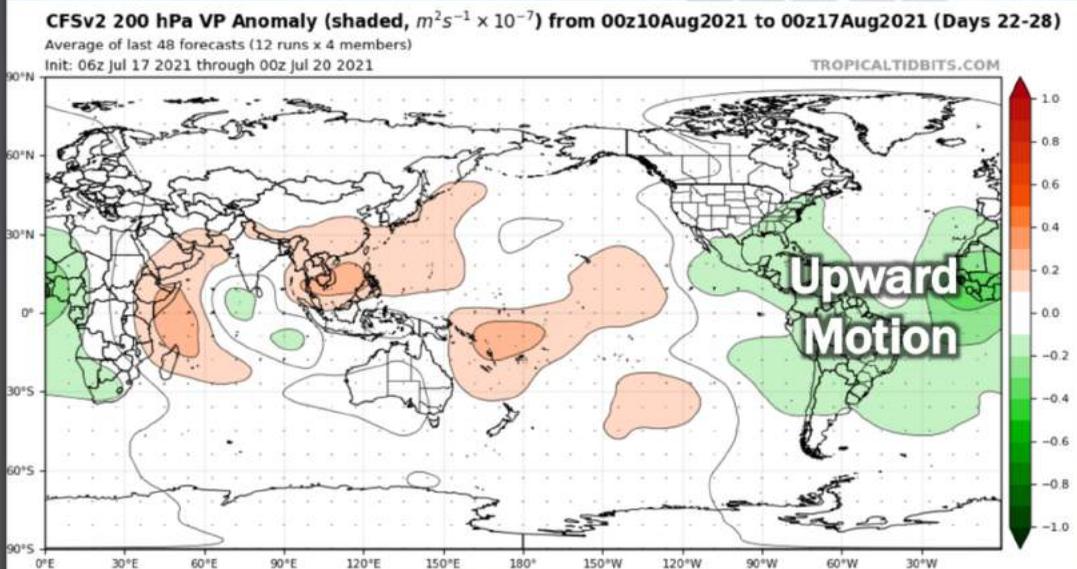
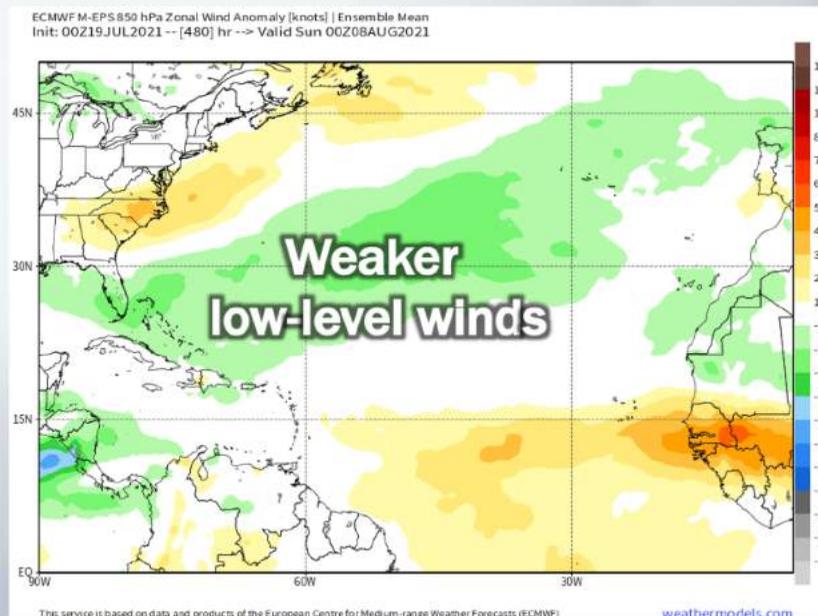
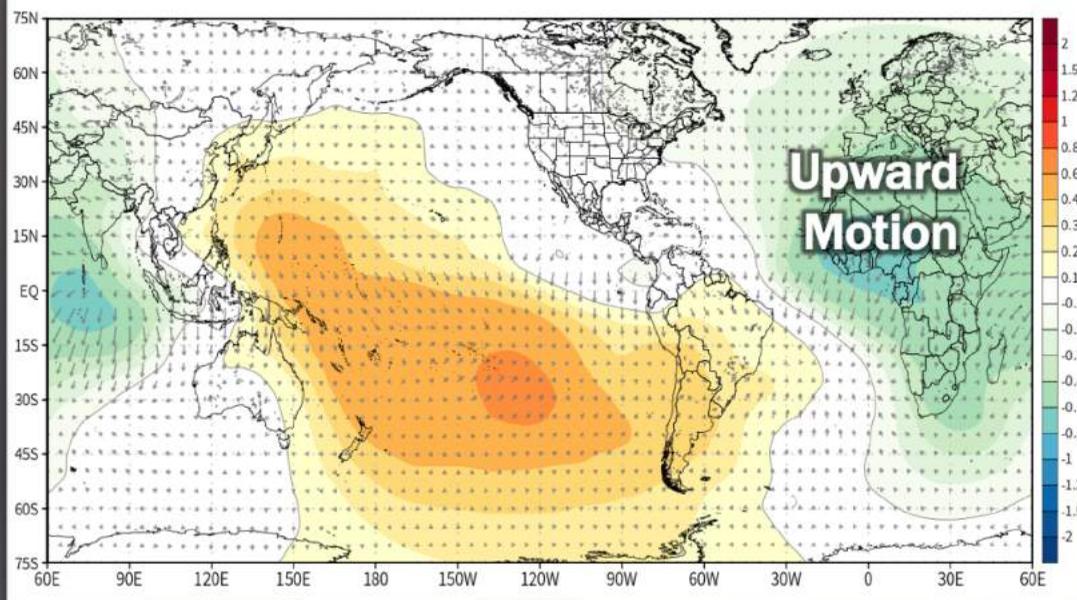
Tropical Update:

UPTICK IN ATLANTIC HURRICANE SEASON FOR AUGUST

PREPARED BY: BRET WALTS

July 21, 2021

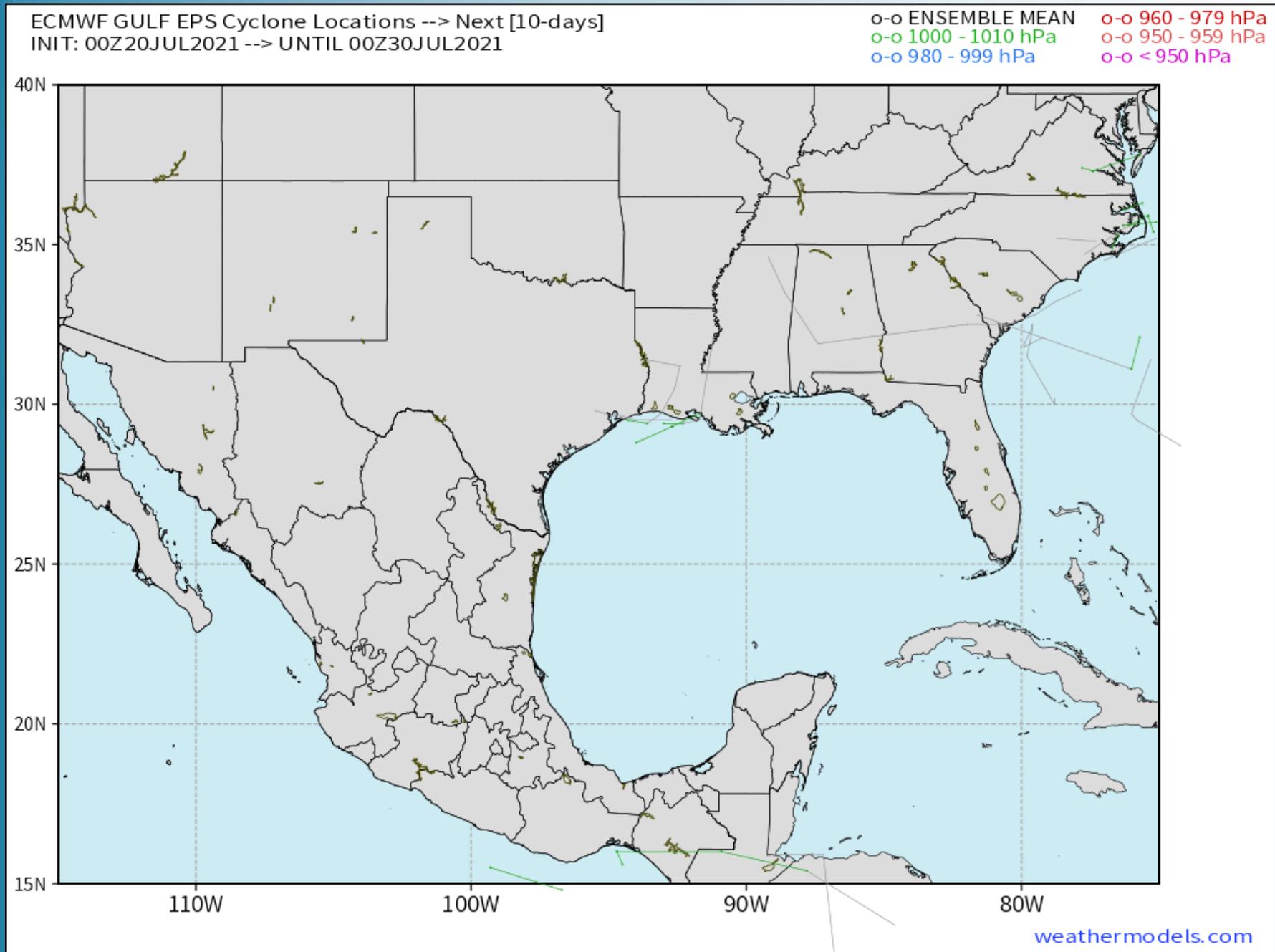
Targeting a potential awakening of the Atlantic Tropical Season



- The active MJO pulse continues to trek into the Pacific in the short-term. Our latest weekly guidance from both the EPS and the CFS suggest this will continue to work east bringing upward motion to the Atlantic and Africa the second to third week of August.
- As this pulse passes an uptick in development is possible across the Atlantic and will favor more disturbances to push off the African coast which increases the odds of tropical development.
- The overall wind anomaly from 20-30N is weaker than normal and the EPS Weekly forecast keeps the low-level winds weak into early-mid August. This would favor an increased threat of tropical storms and hurricanes especially in the Caribbean, Gulf of Mexico and to the US East Coast.
- The main inhibiting factor will be cooler waters in the tropical main development region, but increasing warmth in waters surrounding the Caribbean and US Coast could lead to rapidly developing storms.
- Pending the track of these systems, this can be a big risk for the Ag Belt. It would likely be a drier risk for the Plains with an equal risk of wetter/drier for the E. Ag Belt pending where these disturbances track.

The key takeaway from the notes slide above is that we are in favor of tropical activity picking up mid-late August that does look to hold the potential to work into the Gulf. Obviously way too far out for any sort of details, but some longer range guidance + our favored pattern drivers suggest an uptick in tropical activity for the back half of August.

Tropical Update:

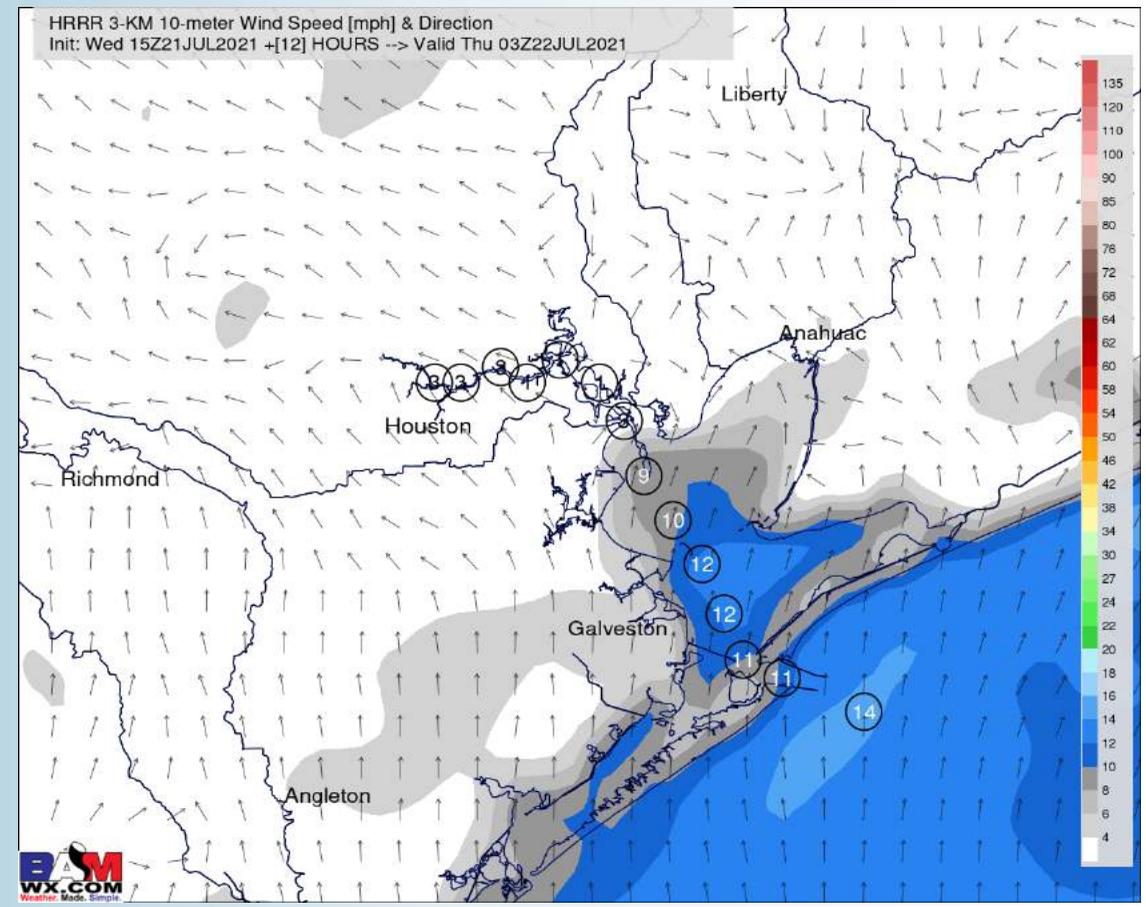


Tropical activity in the Gulf of Mexico is not anticipated in the next 7-10 days.

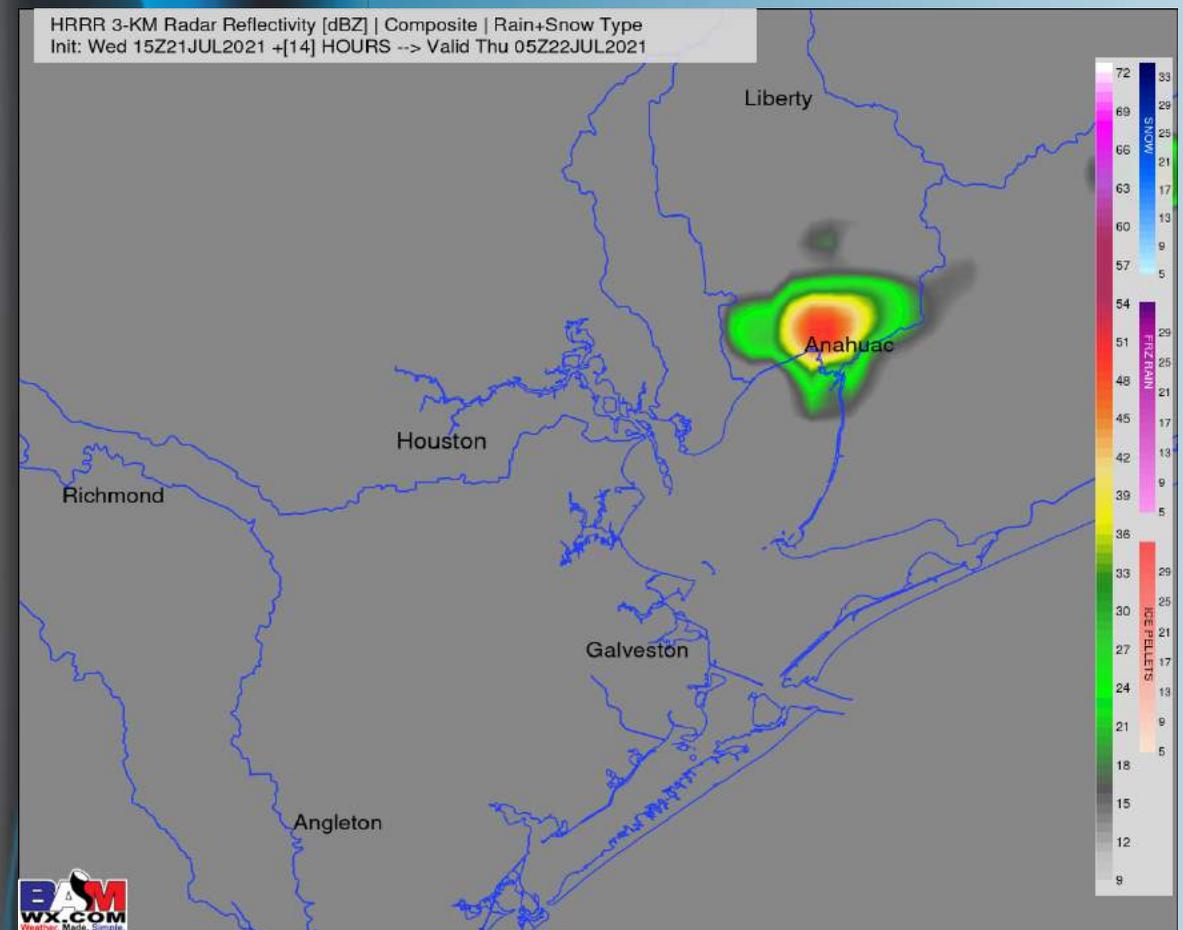
Short-Term Forecast Discussion

- Hit and miss pockets of precipitation will continue to be possible through the rest of the afternoon and evening hours. Beyond ~sundown, precipitation should gradually fade and outside for a few rouge leftover cells, anticipating a generally drier overnight.
- Winds will continue coming out of the S at 8-13 MPH, gusts locally higher at the boarding station. Expecting a wind shift to more WSW around ~5 AM Thursday.
- Lows fall back into the mid to upper 70s.
 - *No fog is in the forecast this evening.*

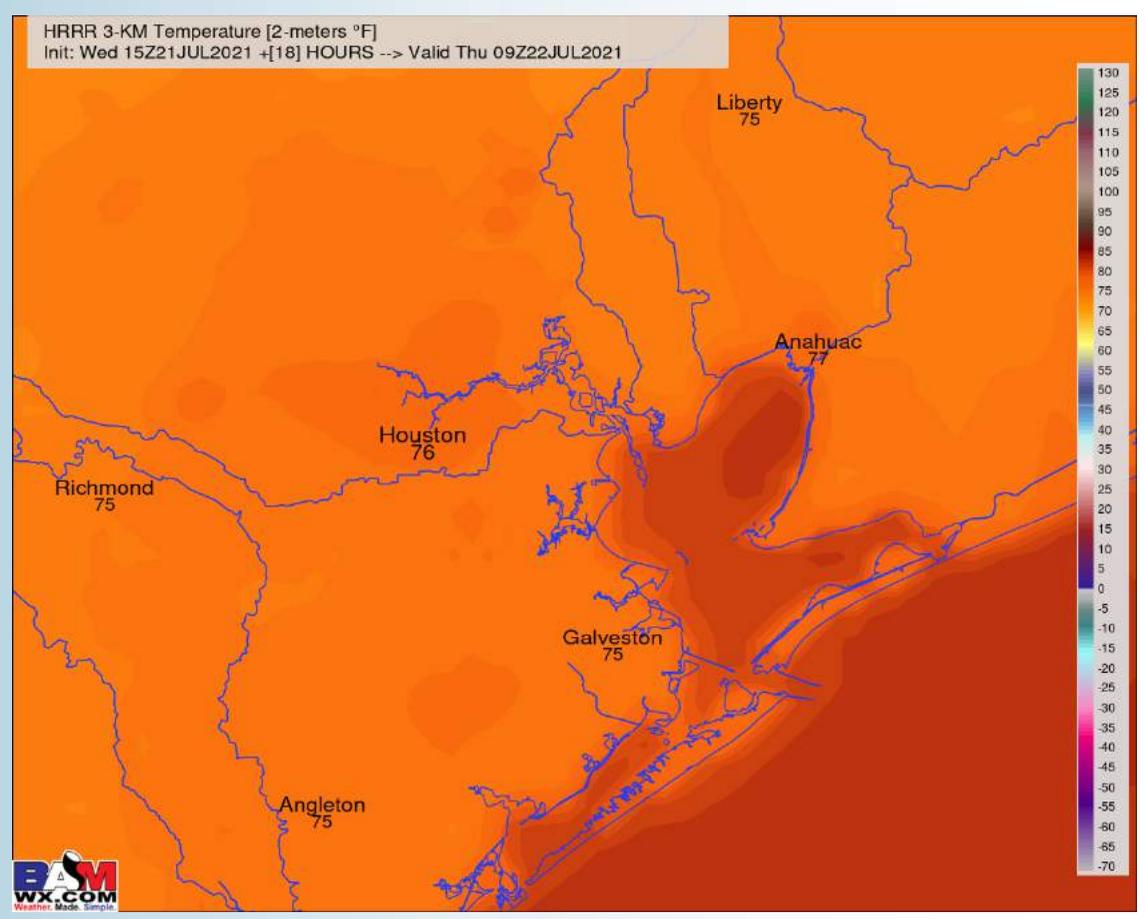
Sustained Winds (11 PM CT)



Simulated Radar Snapshot (12 AM CT)



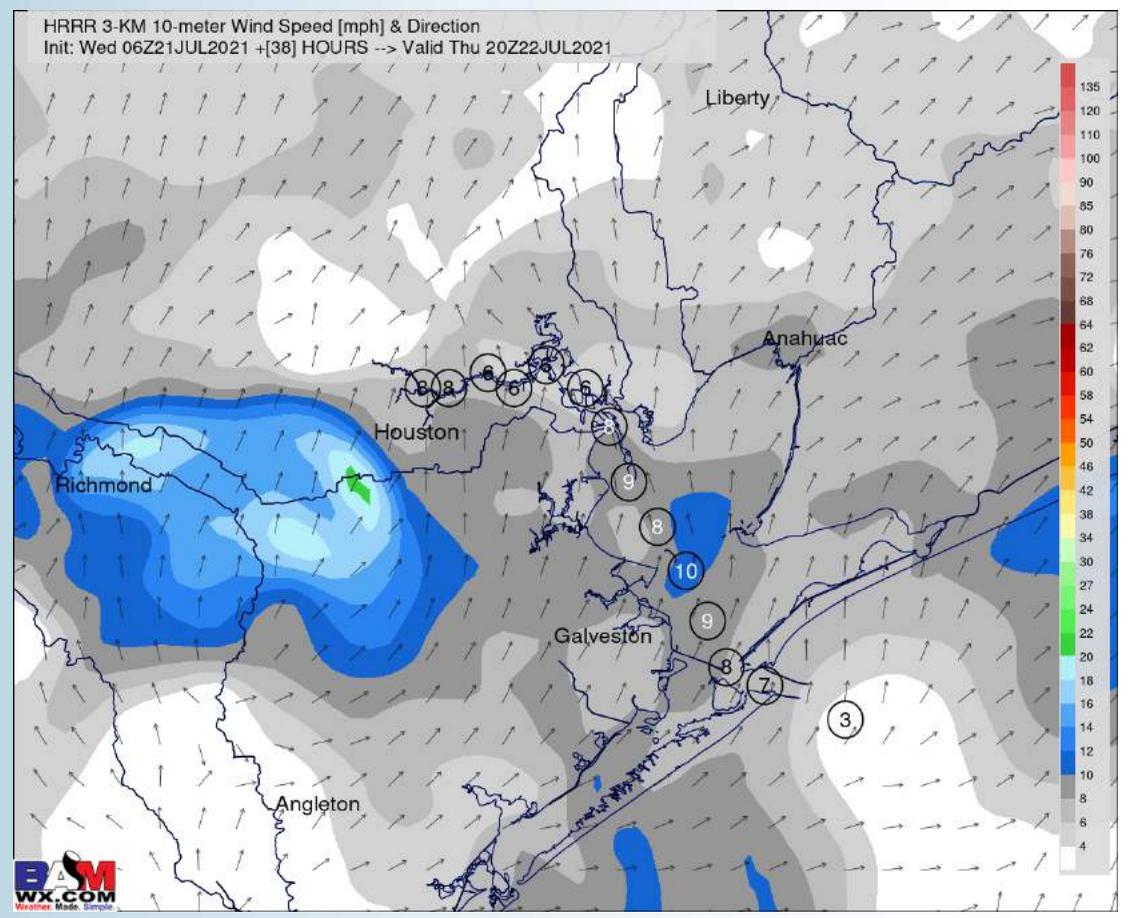
Low Temps This Evening



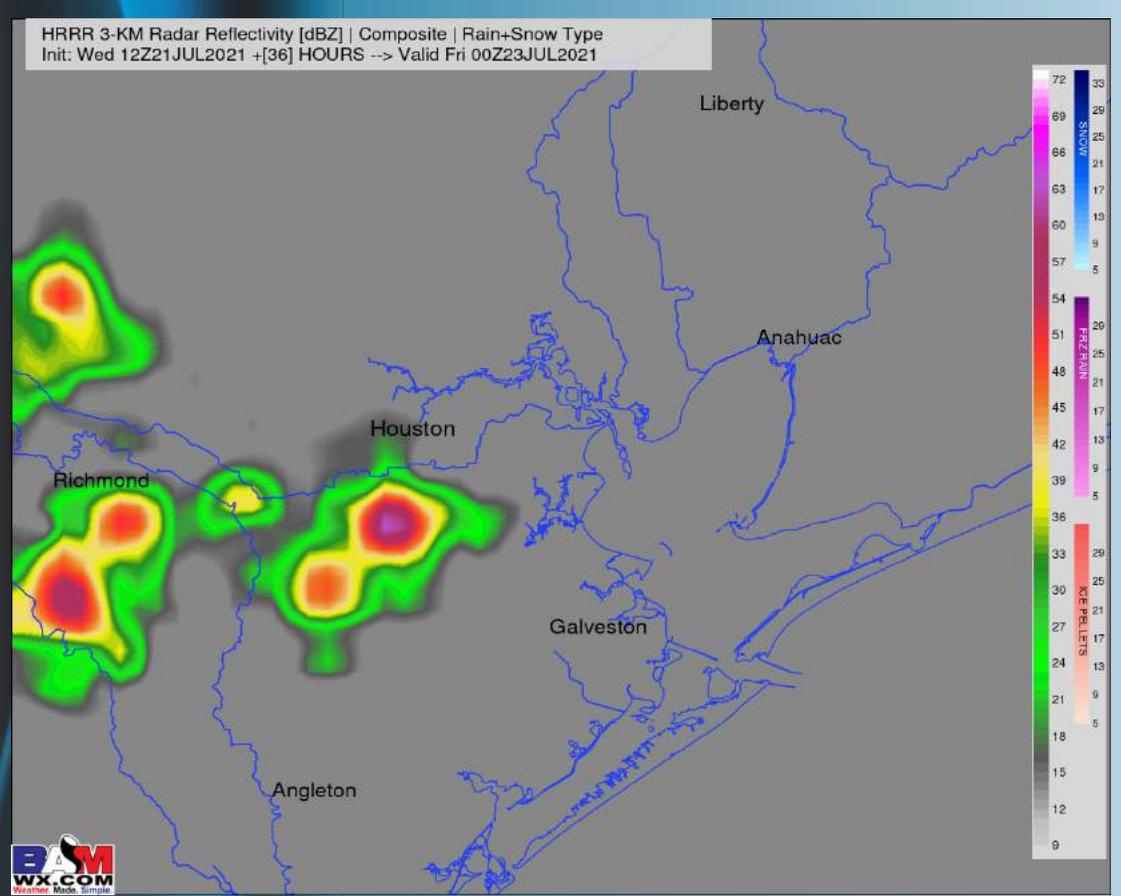
Short-Term Forecast Discussion

- **Isolated precipitation (~20-30%) chances will be possible starting near daybreak and then continuing into mid-afternoon coming from the SE. There will likely be several drier hours on Thursday as cells will be very hit and miss.**
- **Favoring winds to be lighter (4-8 MPH sustained) and out of the W for the first half of Thursday before turning out of the SSW at 8-13 MPH for the afternoon hours.**
- **Temps expected to reach the upper 80s to lower 90s for most locations on the day Thursday.**
- ***No fog is in the forecast for Thursday.***

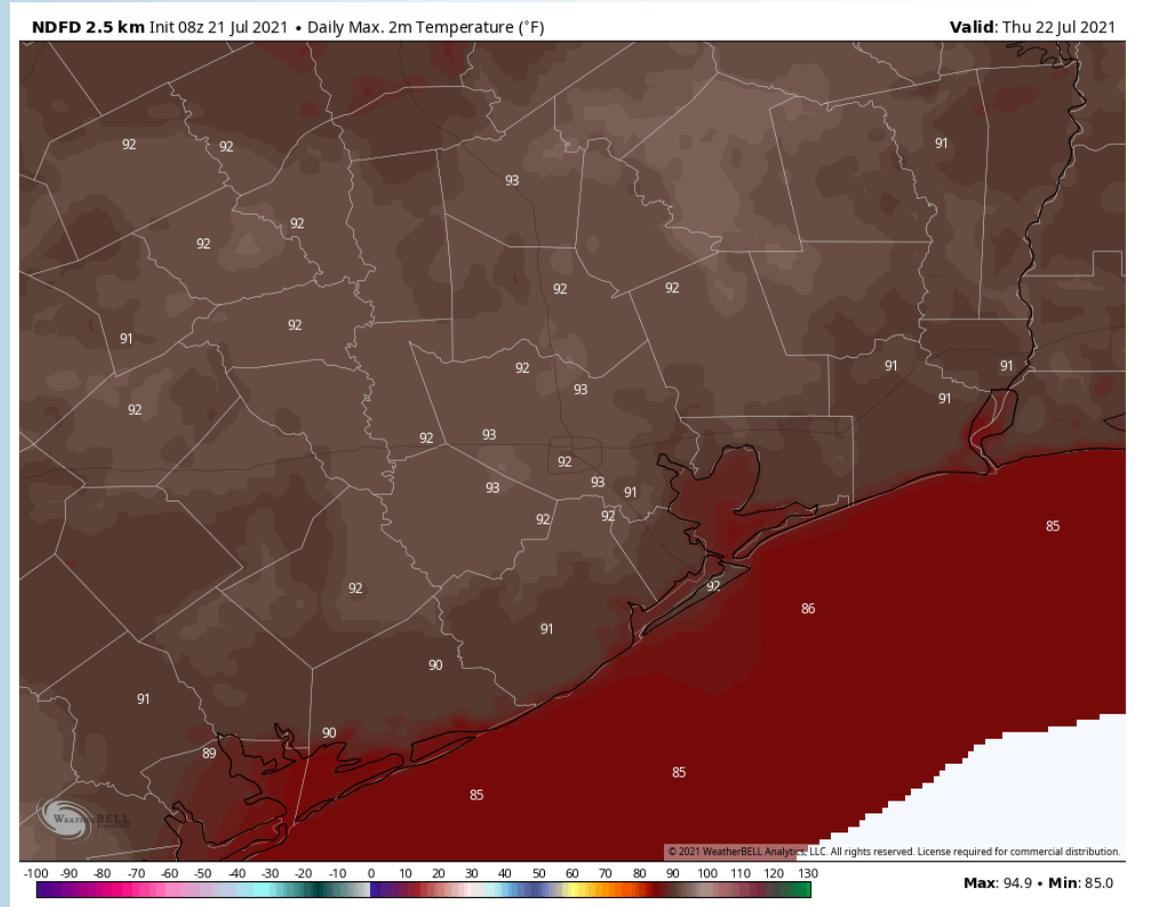
Sustained Winds (3 PM CT)



Simulated Radar Snapshot (7 PM CT)



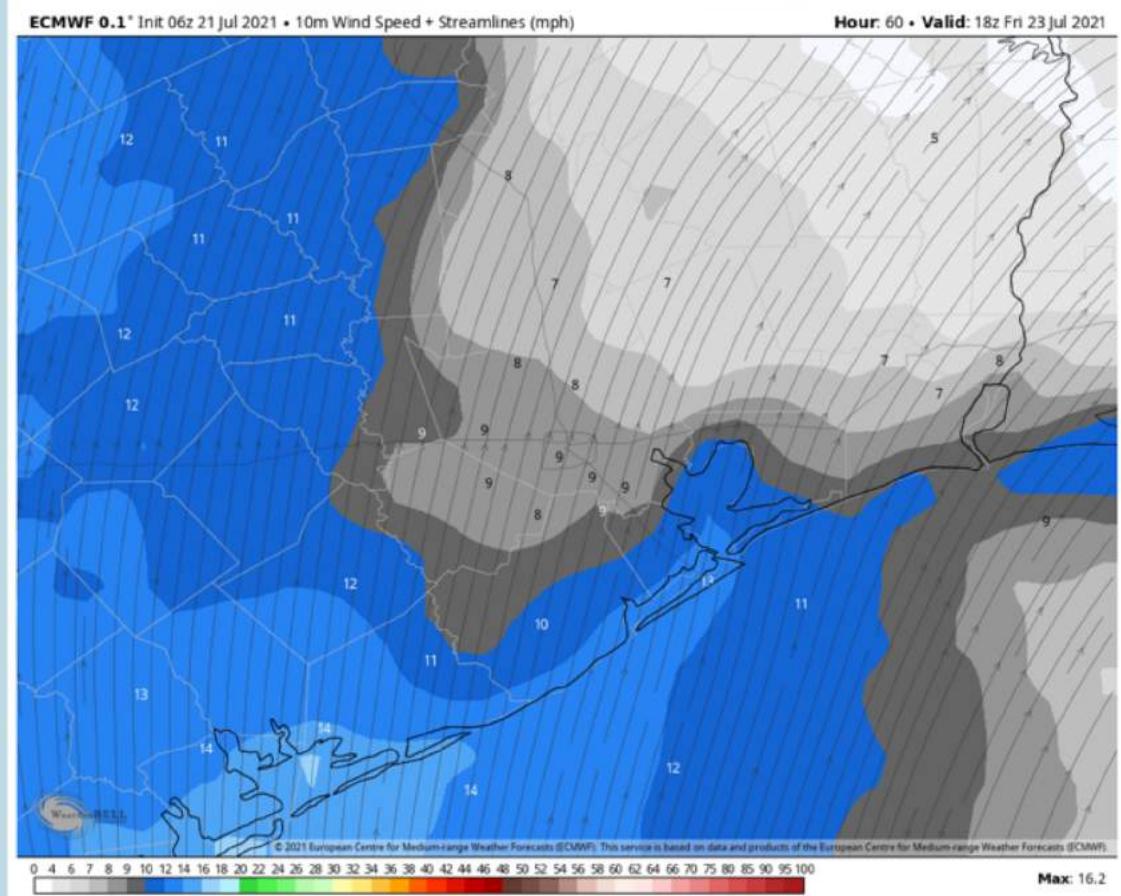
High Temps Thursday



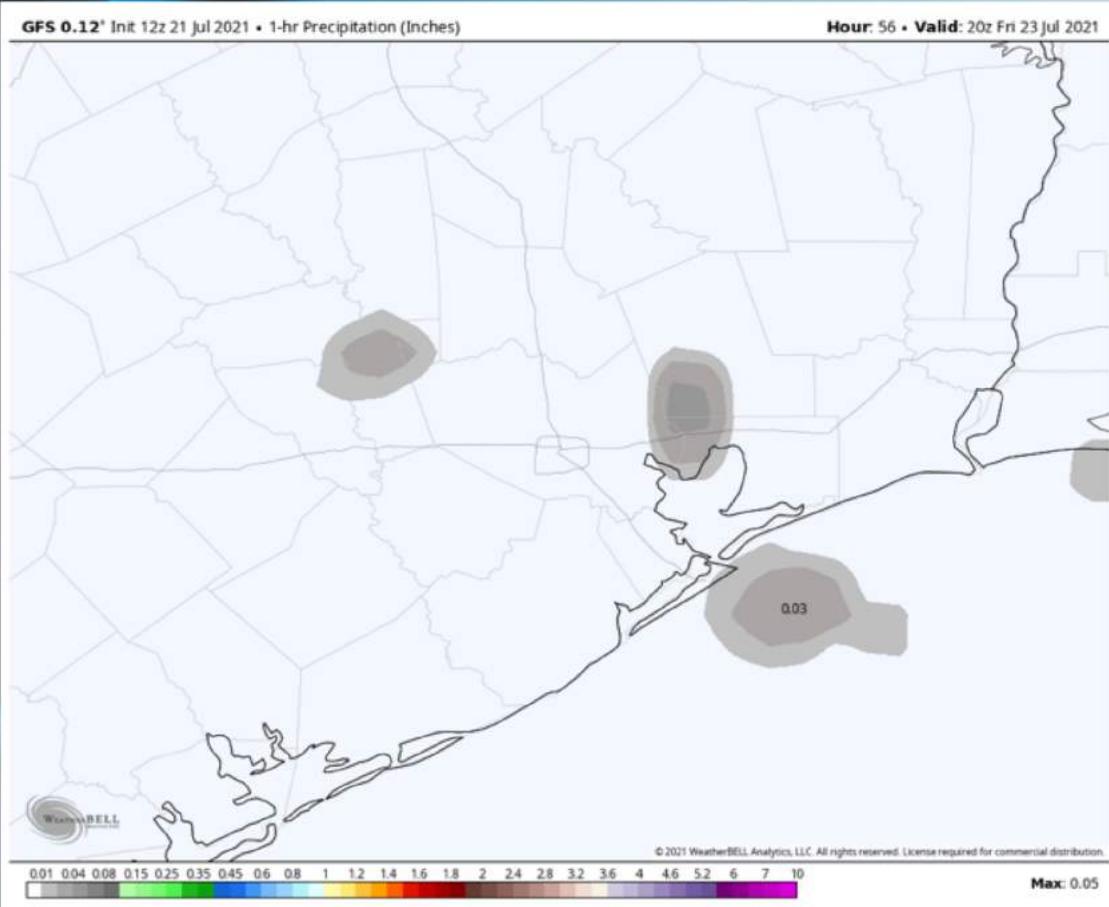
Short-Term Forecast Discussion

- Continue to favor Friday to be a dry day. An isolated shower in the afternoon cannot be 100% ruled out.
- Friday will feature winds coming out of the S/SW at 8-13 MPH with gusts 13-18 MPH possible at the boarding station.
- Expecting Friday to be the warmest day of the past several. Low to mid 90s will be possible.
- *Fog is not anticipated for our stations Friday.*

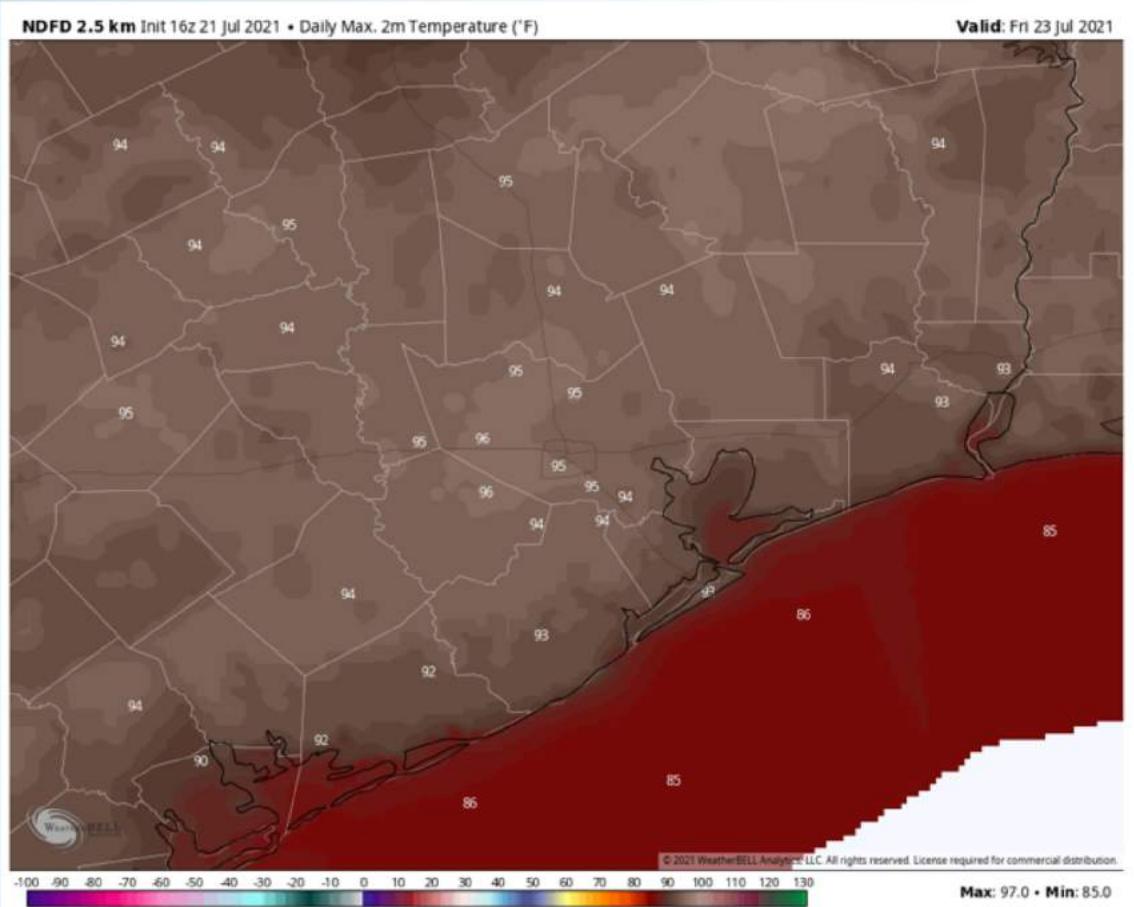
Sustained Winds (1 PM CT)



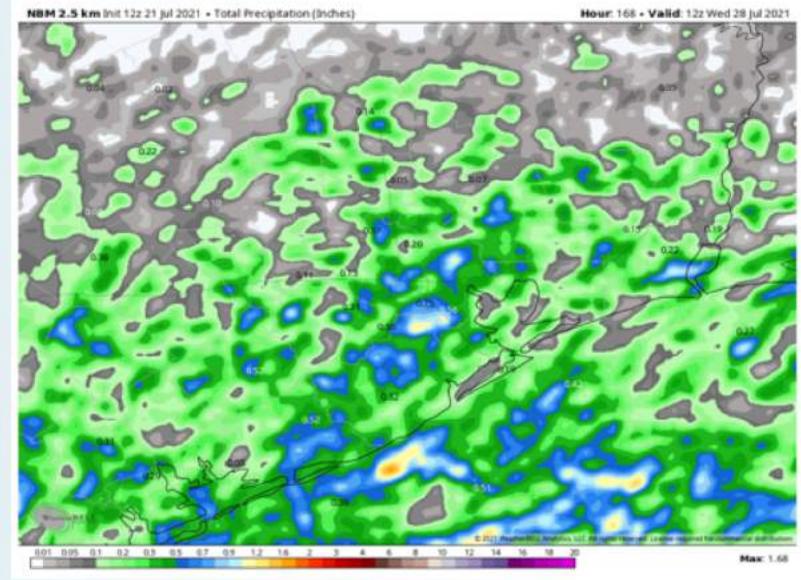
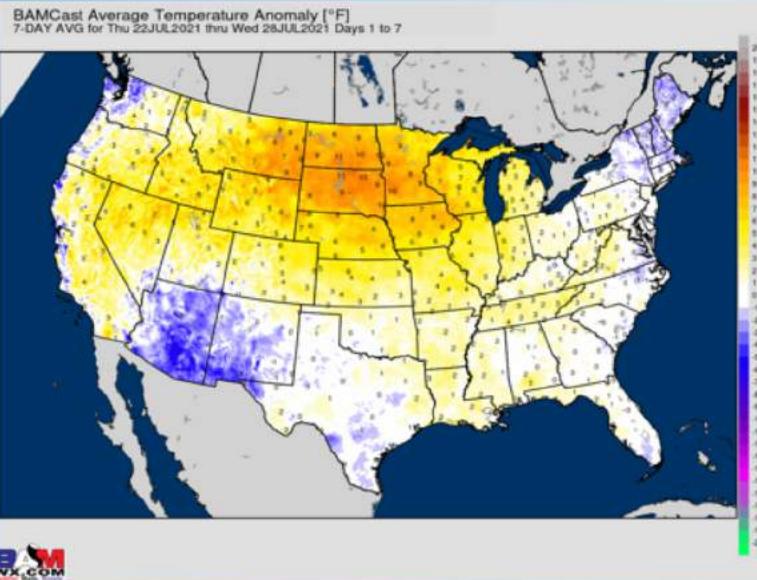
Simulated Radar Snapshot (3 PM CT)



High Temps Friday



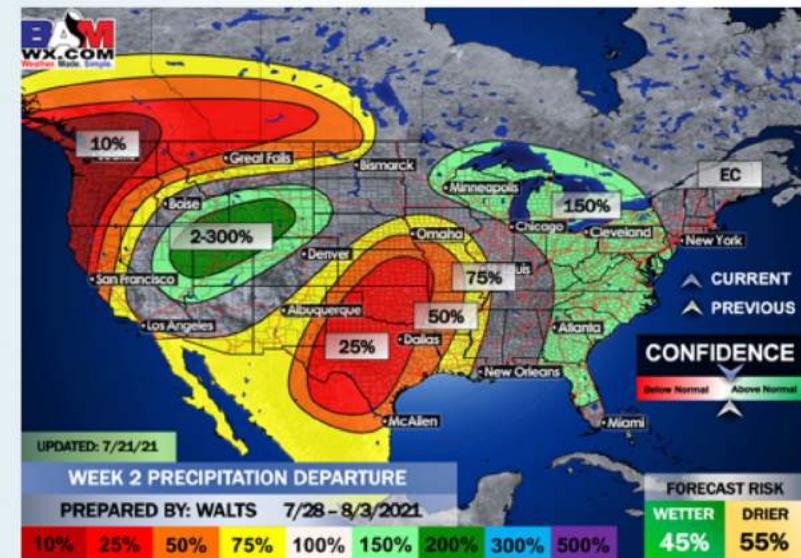
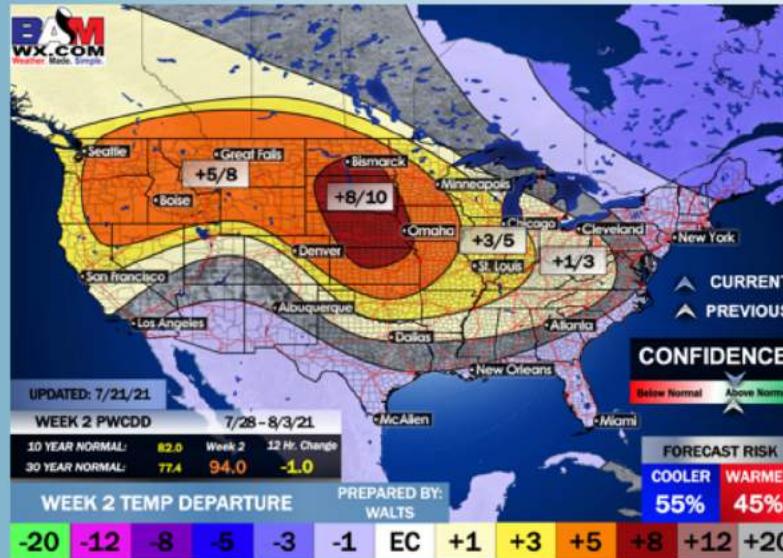
Week 1 Forecast



Long-Range Forecast Discussion

- We start a pattern with more quiet weather over the next week in regards to precipitation risks. Temps will continue to sit near average to slightly below.
- The quiet weather from week 1 ahead looks to bleed into week 2 with below normal moisture risks expected. Temperatures are anticipated to run at to below normal in the week 2 timeframe..
- The weeks 3/4 (first half of August essentially) period likely features more seasonable to cooler than normal temperatures, while precipitation looks to run around normal in this period as well. One thing we will need to keep an eye on will be increasing potential for tropical disturbances heading into the middle part of August (see slide after the intro slide for more details).

Week 2 Forecast



Weeks 3/4 Forecast

