

Updated: 12:30 PM CT, Thursday, October 21, 2021

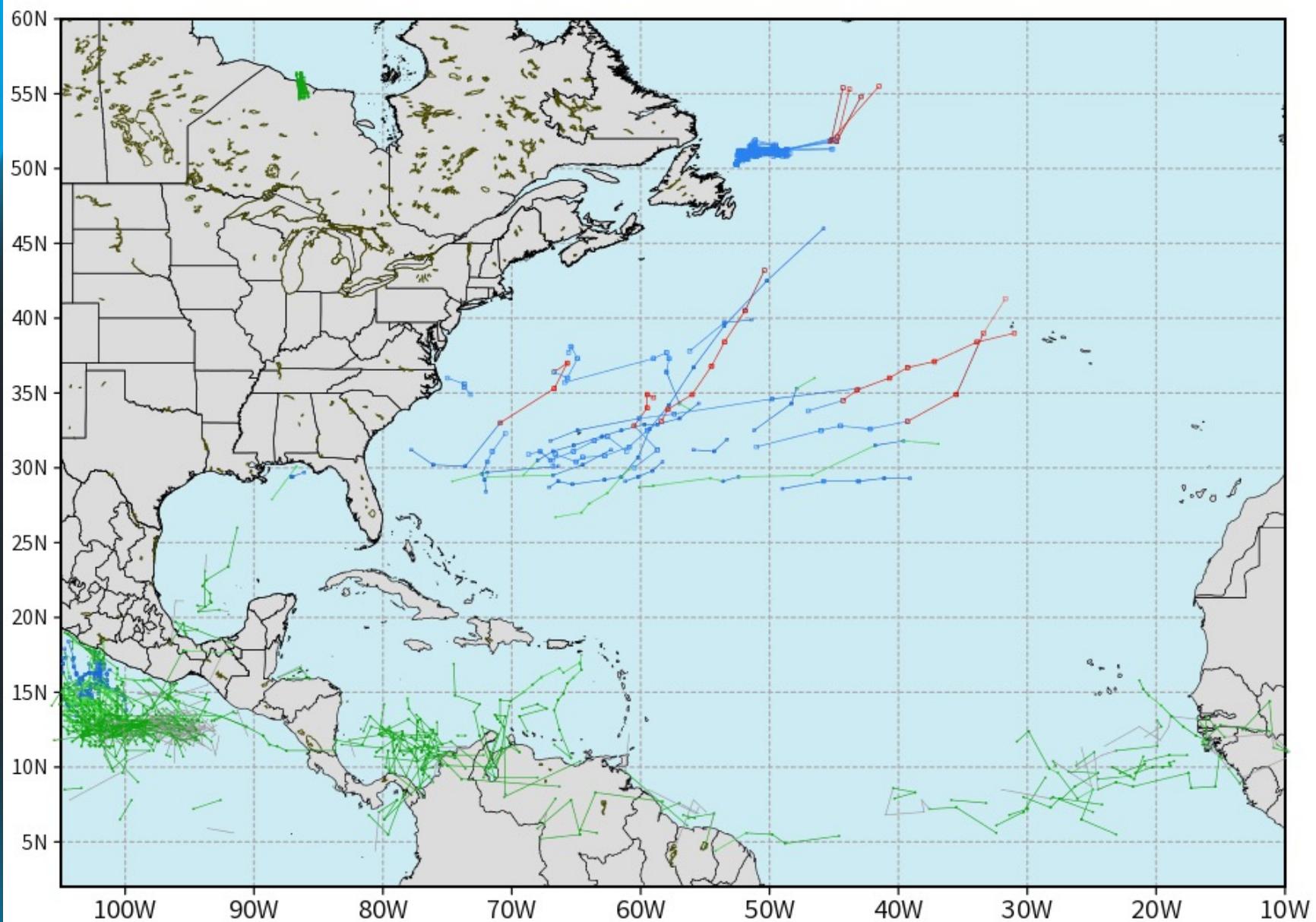
- **As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.**

Tropical Update:

European Ensemble 10-days Tracks

ECMWF ATLANTIC EPS Cyclone Locations --> Next [10-days]
INIT: 00Z21OCT2021 --> UNTIL 00Z31OCT2021

o-o ENSEMBLE MEAN
o-o 1000 - 1010 hPa
o-o 980 - 999 hPa
o-o 960 - 979 hPa
o-o 950 - 959 hPa
o-o < 950 hPa



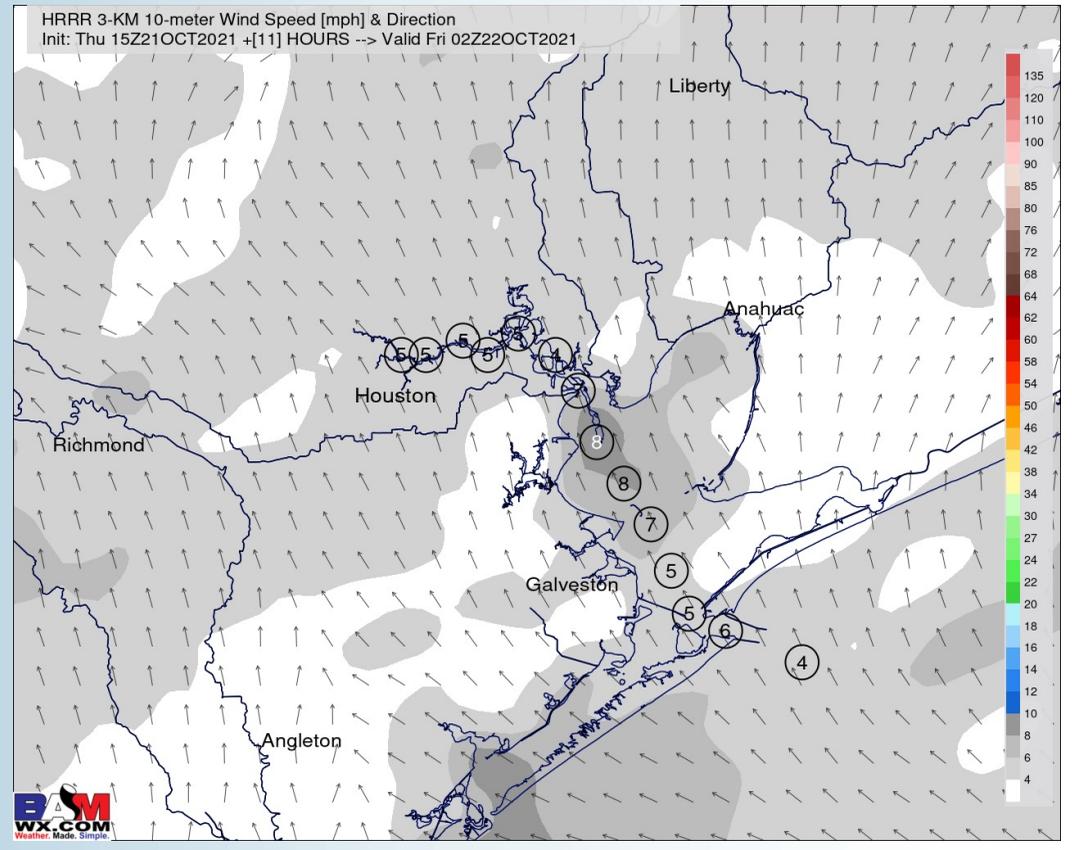
weathermodels.com

- We continue to favor the Gulf to remain quiet at least for the next 7-10 days.

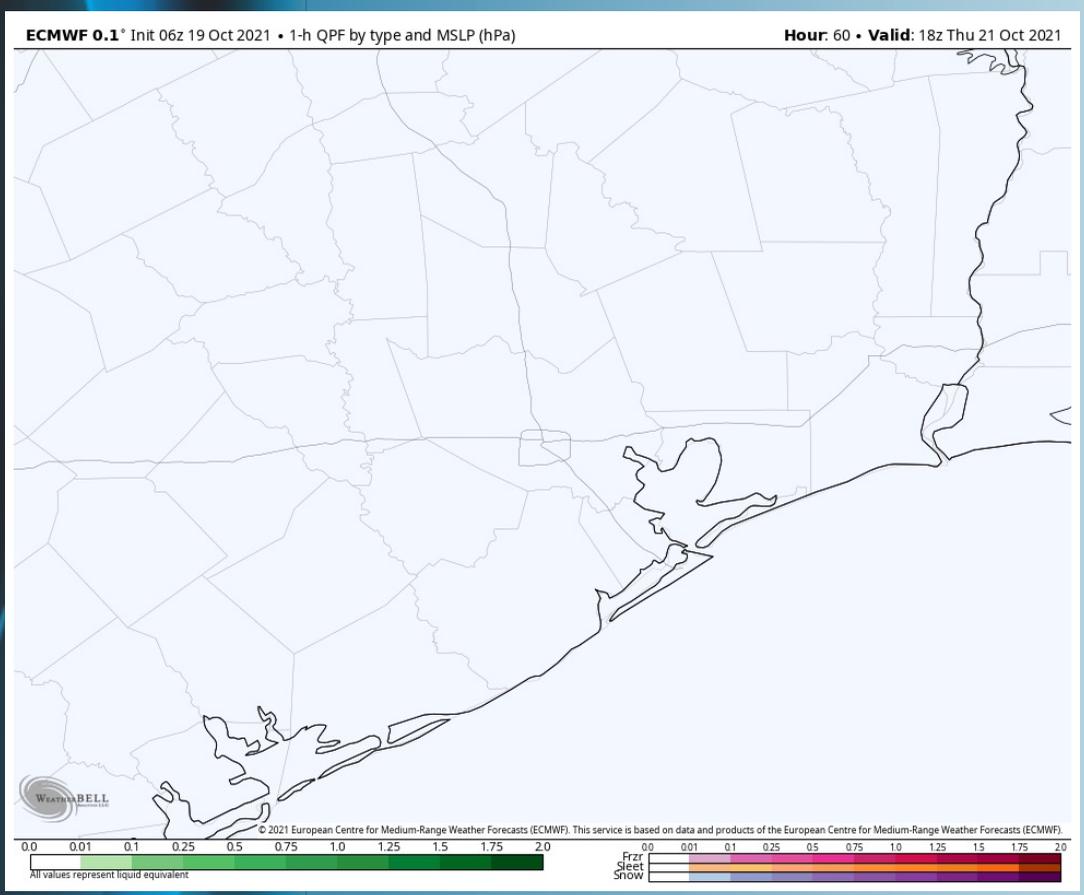
Short-Term Forecast Discussion

- Expecting no precip through the rest of the day today.
- Winds for most of today look to be 5-10 MPH sustained, calmer towards the HOU downtown area. Gusts to 13 MPH possible at the boarding station mainly in the 11 AM – 4 AM window. Winds continue Northeasterly out through ~5 PM before a shift back to the SE for the evening hours.
- Lows fall back into the upper 60s to lower 70s.
- **Not expecting fog this evening, details on early FRI fog below.**

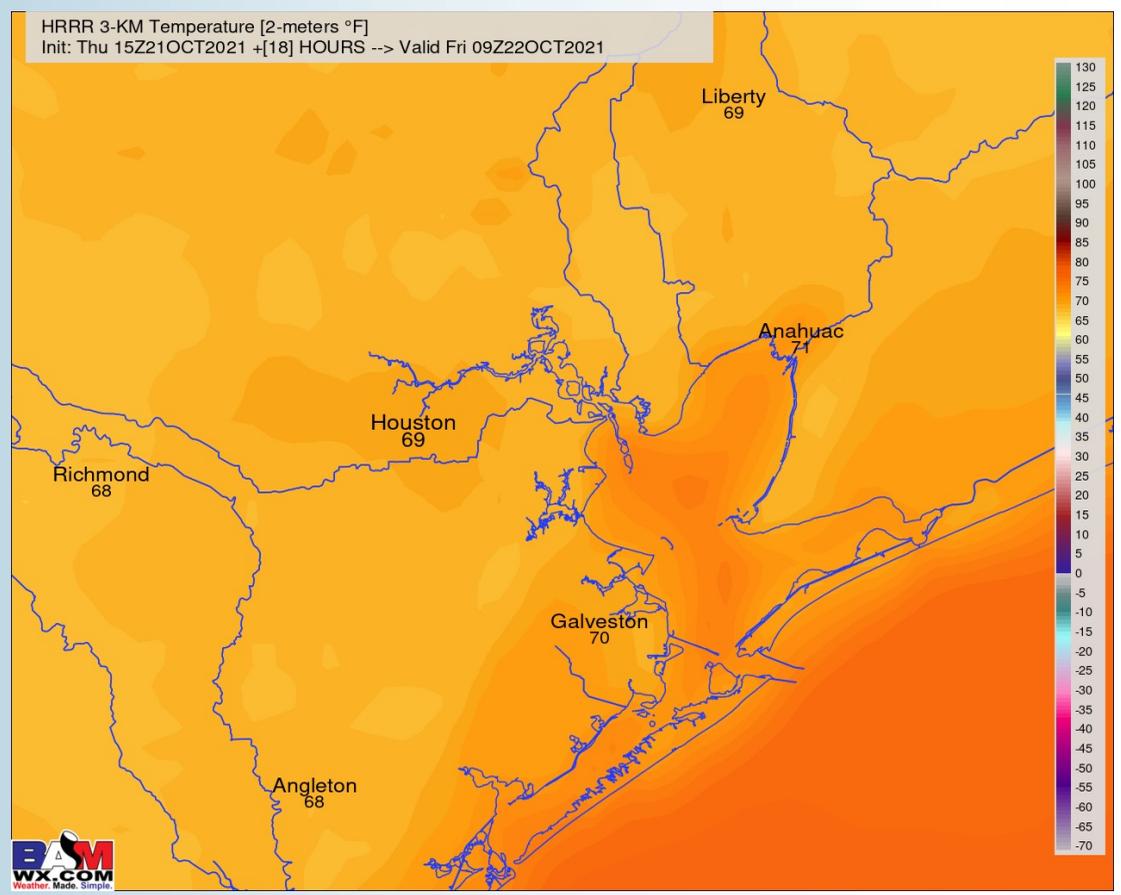
Sustained Winds (9 PM CT)



Simulated Radar Snapshot (1 PM CT)



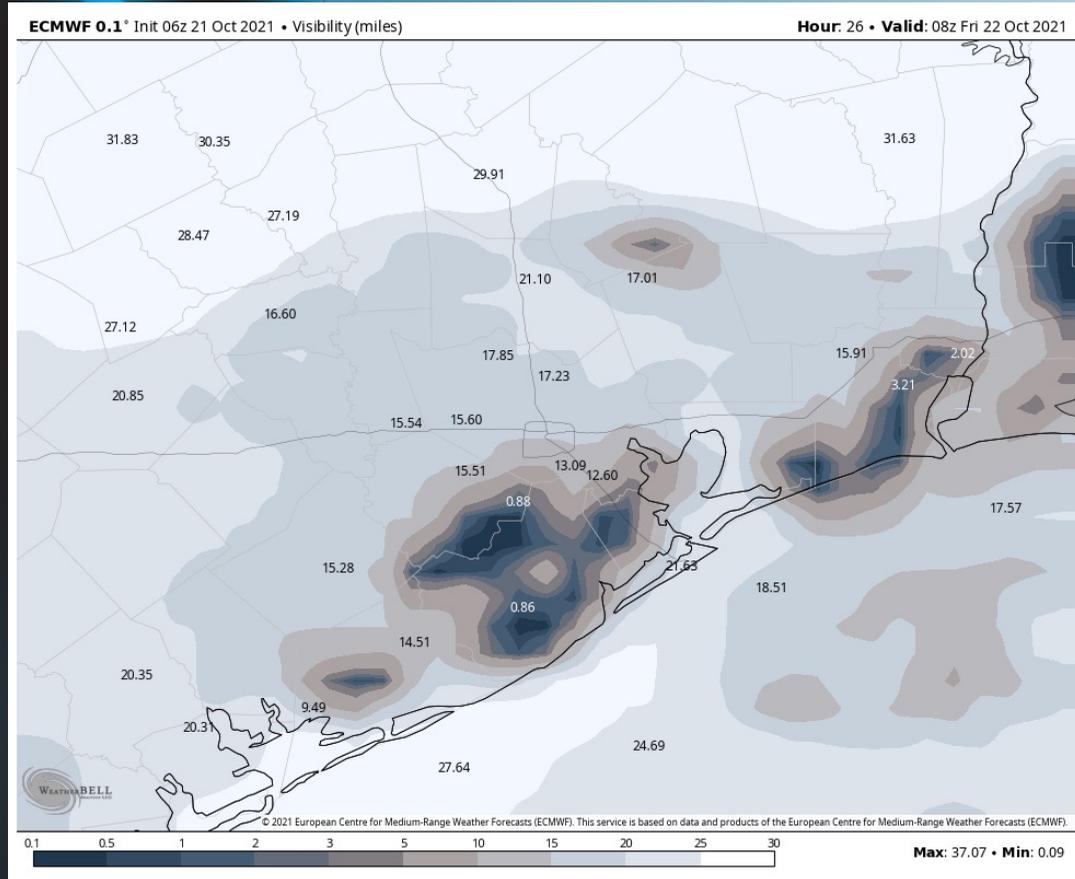
Low Temps This Evening



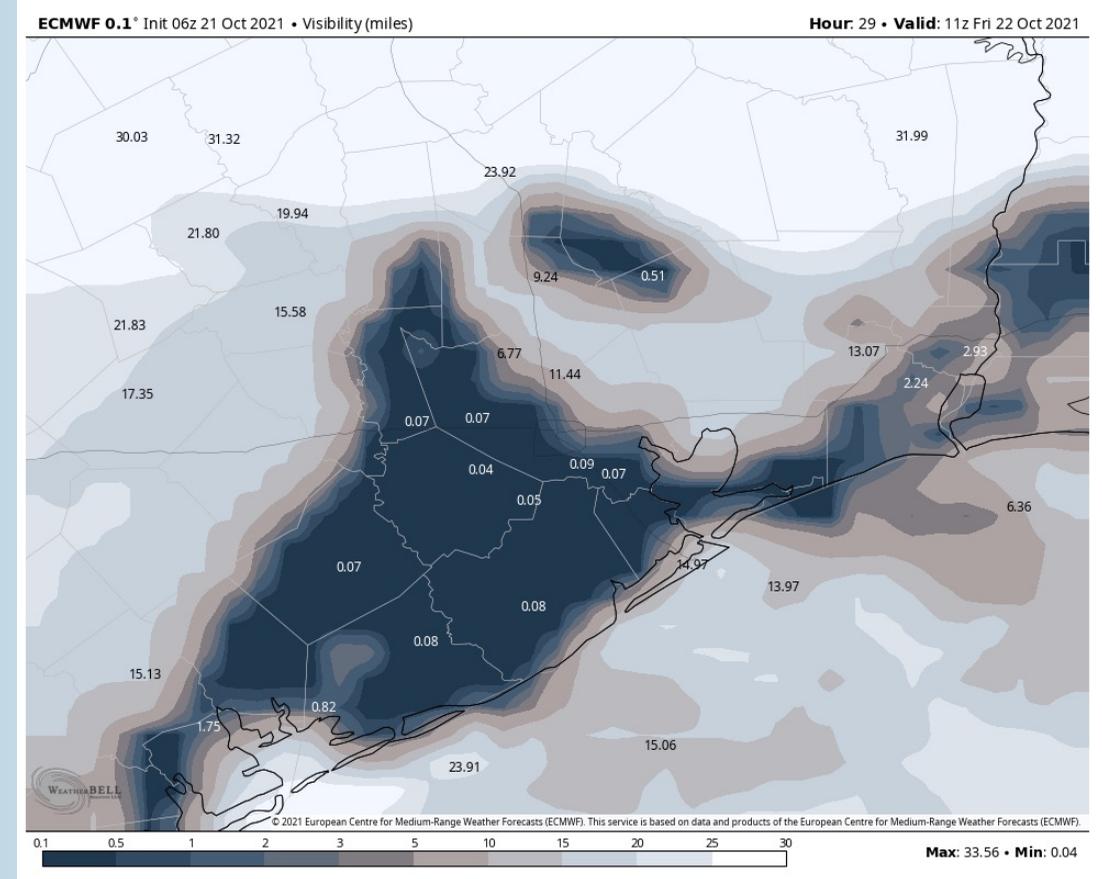
Visibility Report

Friday, October 22, 2021

VISIBILITY (FRI 3 AM EURO)



VISIBILITY (FRI 7 AM EURO)



CONFIDENCE

Below Normal

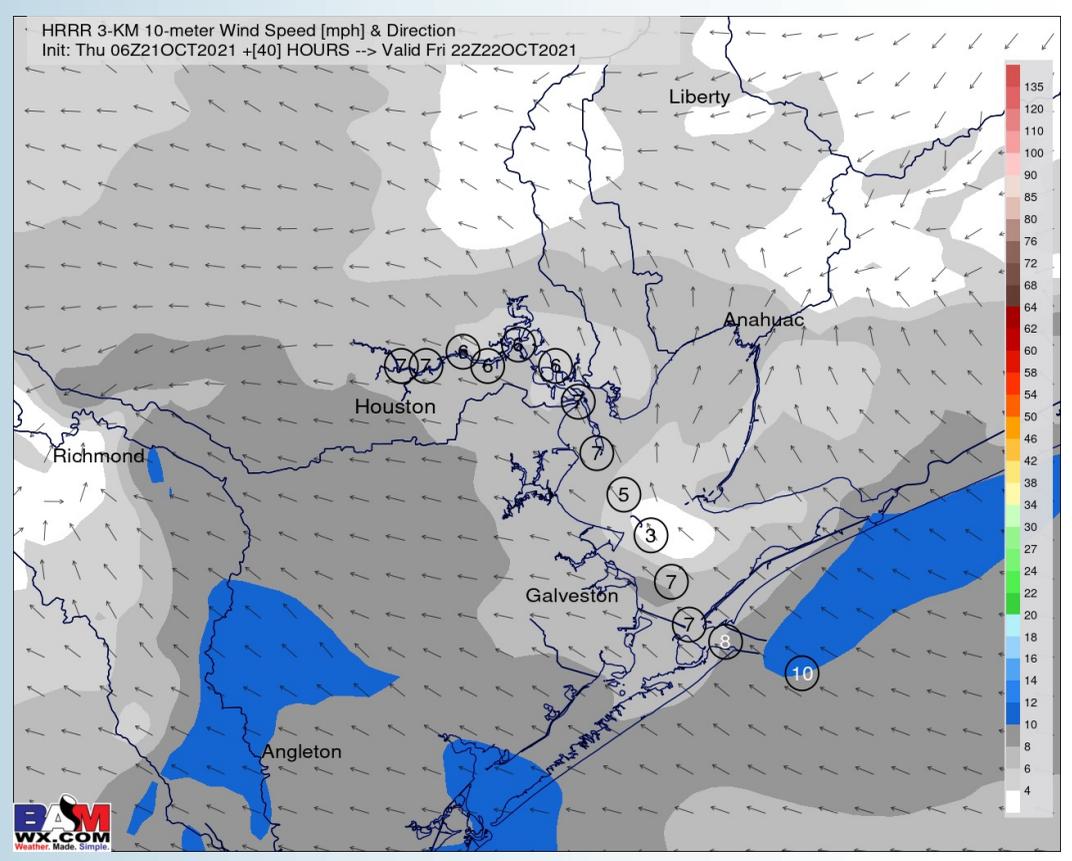
Above Normal

- **As mentioned in the AM report, if short term data trended stronger with the fog threat so would our forecast as we have seen just that. Latest atmospheric profiles are more supportive of patchy fog than data ~8 hours ago.**
- **Right now, we think the 3-5 AM window will be the best opportunity for fog development north of 51/52. Fog then looks to be around in a patchy nature out until about the ~9 am timeframe before dissipating.**
- **Once again, far southern stations have much lower fog chances and is currently not favored at the boarding station.**

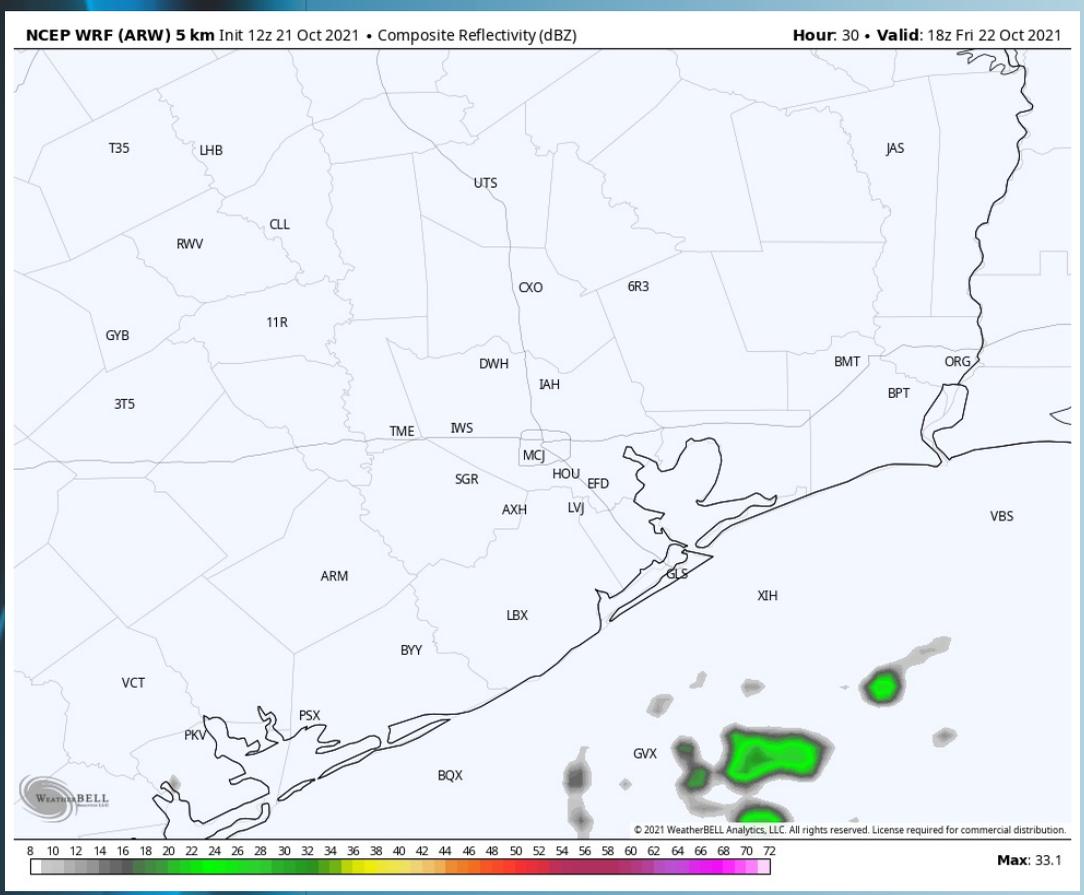
Short-Term Forecast Discussion

- **A 10-20% chance of a very isolated light shower exists near daybreak (7-10 AM) for the boarding station and then again in the mid to late PM hours, however, most if not all of Friday is anticipated to be dry.**
- **Winds from Midnight to ~5 AM will be coming from the SE before flipping to the NE. Winds then turn more E near ~1 PM and then back to SE near ~5 PM. Winds for most of the day look to be 5-10 MPH with occasional gusts in the PM to 13 MPH.**
- **High temps Friday sit in the low to mid 80s.**
- **Check slide above for more details on fog.**

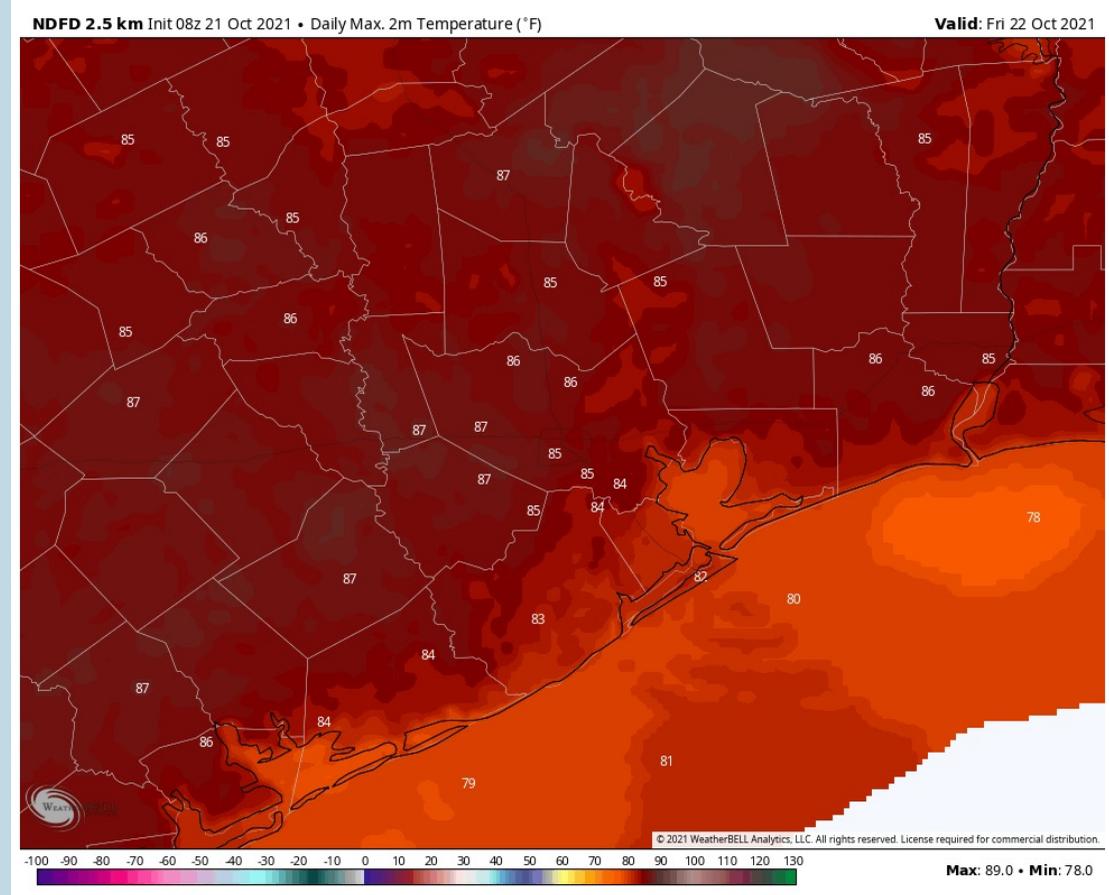
Sustained Winds (4 PM CT)



Simulated Radar Snapshot (2 PM CT)



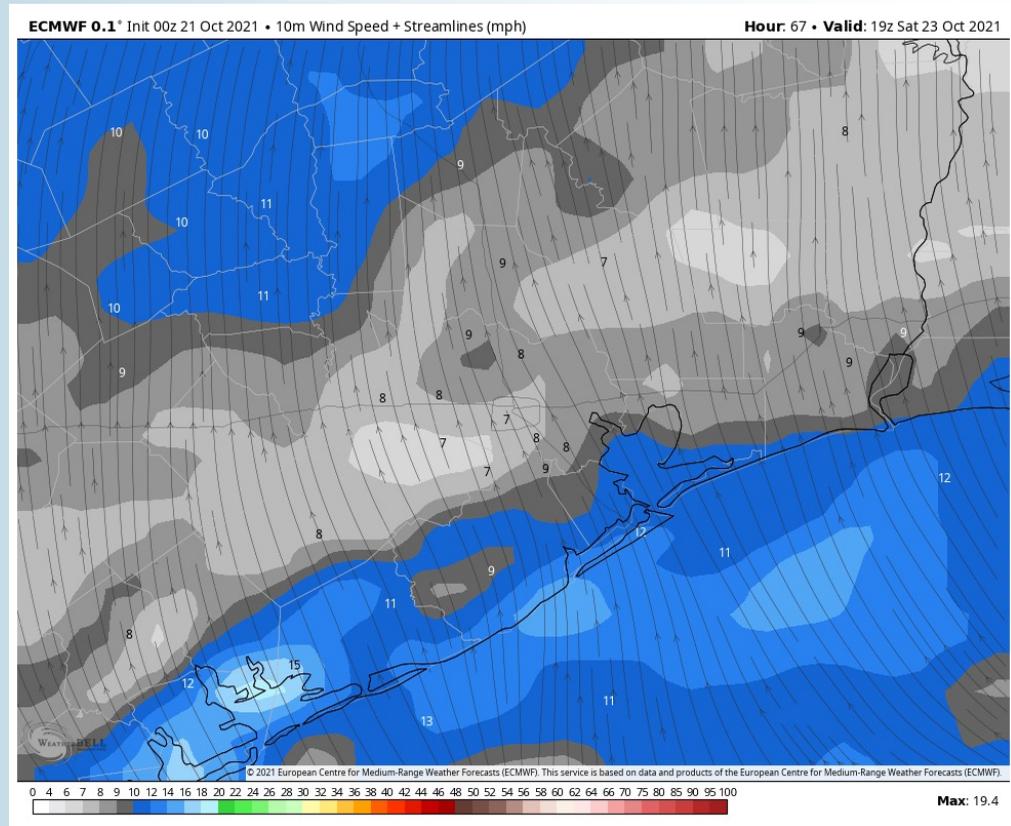
High Temps Friday



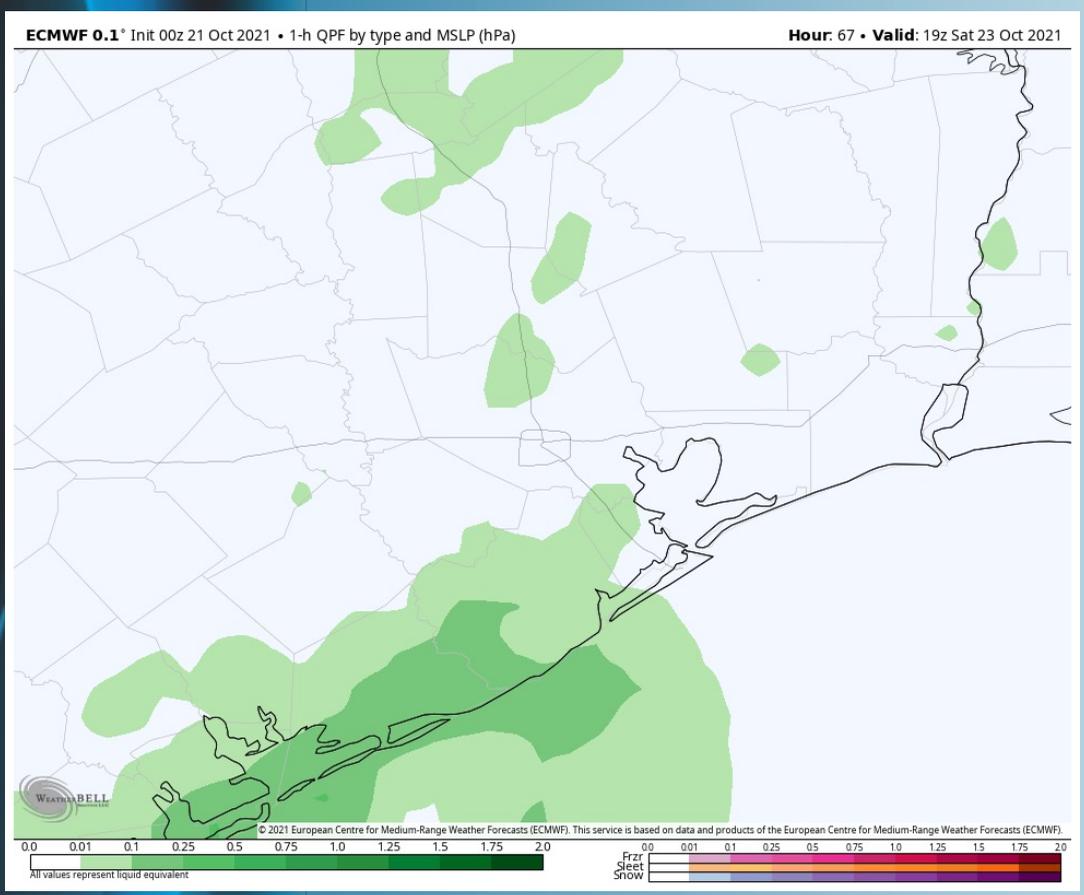
Short-Term Forecast Discussion

- Another day of 20-30% chances for a few spotty afternoon showers looks possible for Saturday. Plenty of dry time throughout the day is still favored even with these chances. Any precip would likely be on the lighter side.
- Winds Saturday looks to stay consistently out of the SE at 8-13 MPH with a few gusts to 15 MPH.
- Saturday is looking to be another day with highs in the low to mid 80s.
- **Fog is not anticipated Saturday at this distance.**

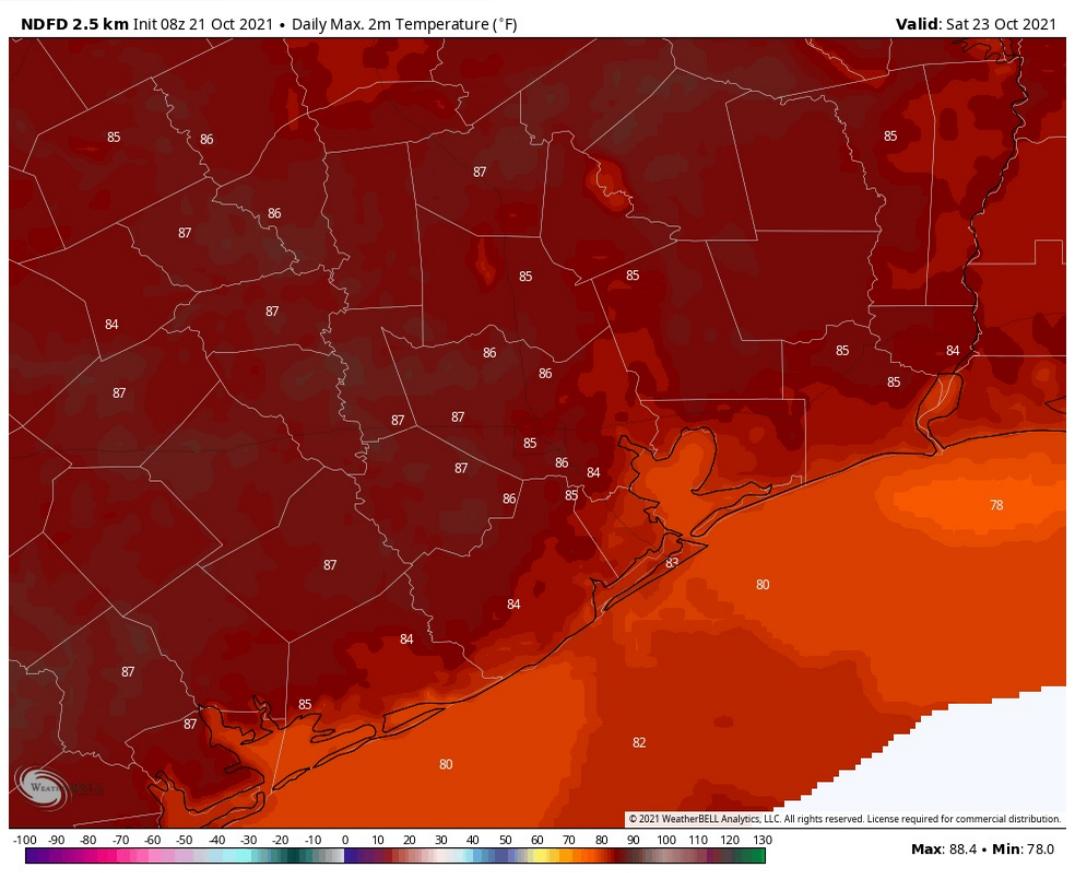
Sustained Winds (8 PM CT)



Simulated Radar Snapshot (2 PM CT)



High Temps Saturday



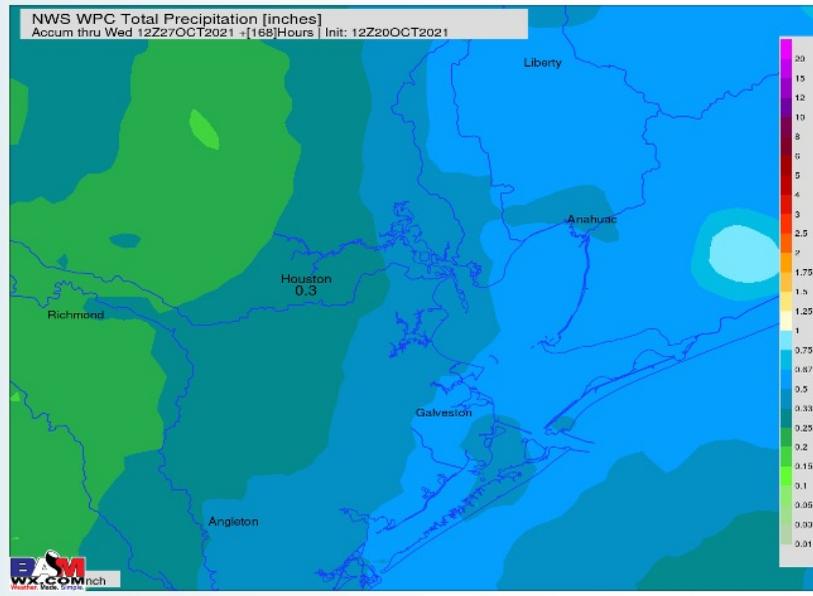
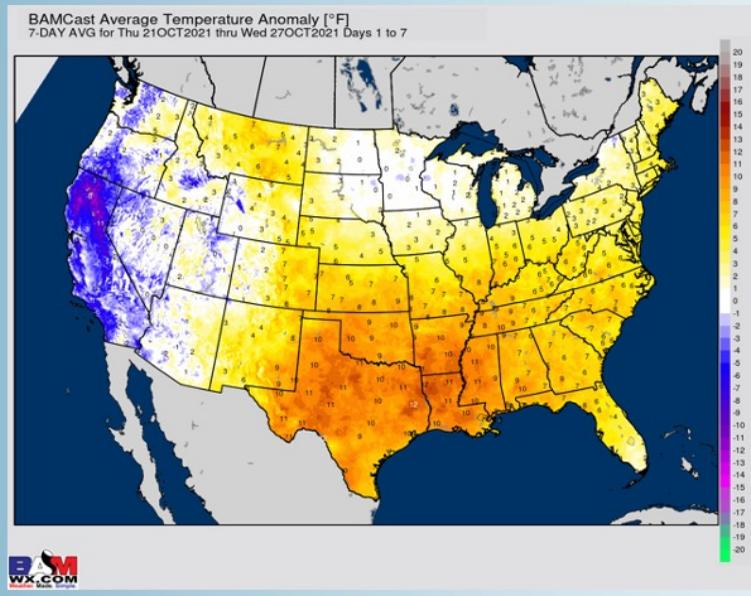
Long-Range Forecast Discussion

- Temps look to be much above average this week. A few hit and miss chances will be possible into the weekend/early next week. Will need to keep an eye on a tropical disturbance in the eastern Pacific that *could bring in heavier rainfall risks into early next week. Not favoring that idea at the moment. Note that this will not be a tropical storm for HOU, but the added moisture in the atmosphere would lead to heavier amounts than the image in the top-right.

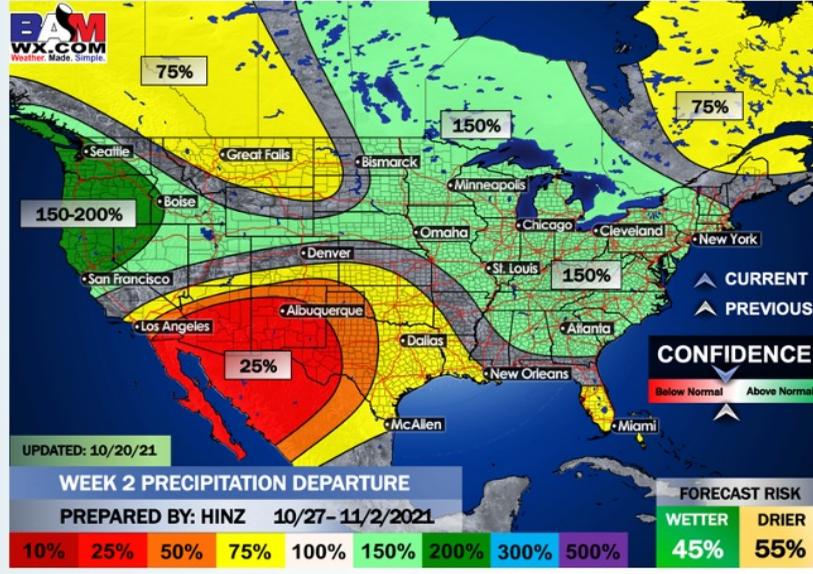
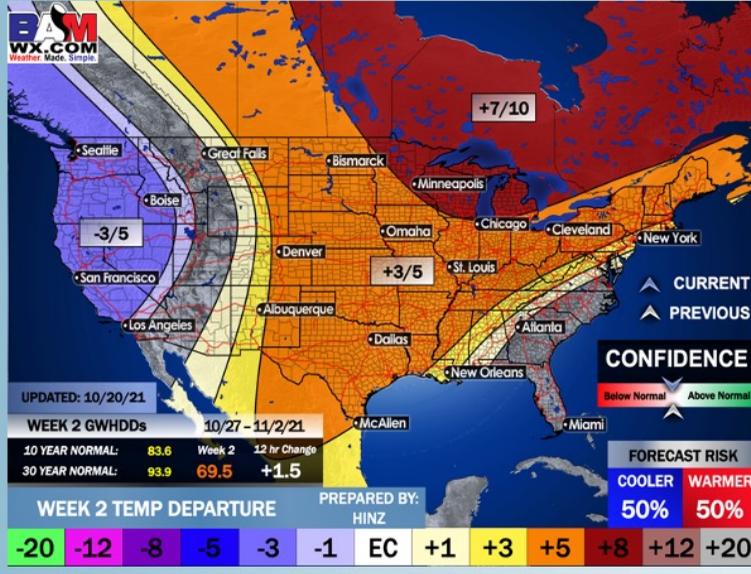
- The week 2 timeframe is expected to have above average temps with slightly below average risks for precip. Not eyeing a specific threat for a tropical storm or hurricane at this distance.

- Right now, we have risks for about average temps and slightly below average precip for the first half of November. Tropical risks are on the lower side, but not a threat that should be 100% eliminated.

Week 1 Forecast



Week 2 Forecast



Weeks 3/4 Forecast

