

Updated: 1:00 PM CT, Wednesday, October 20, 2021

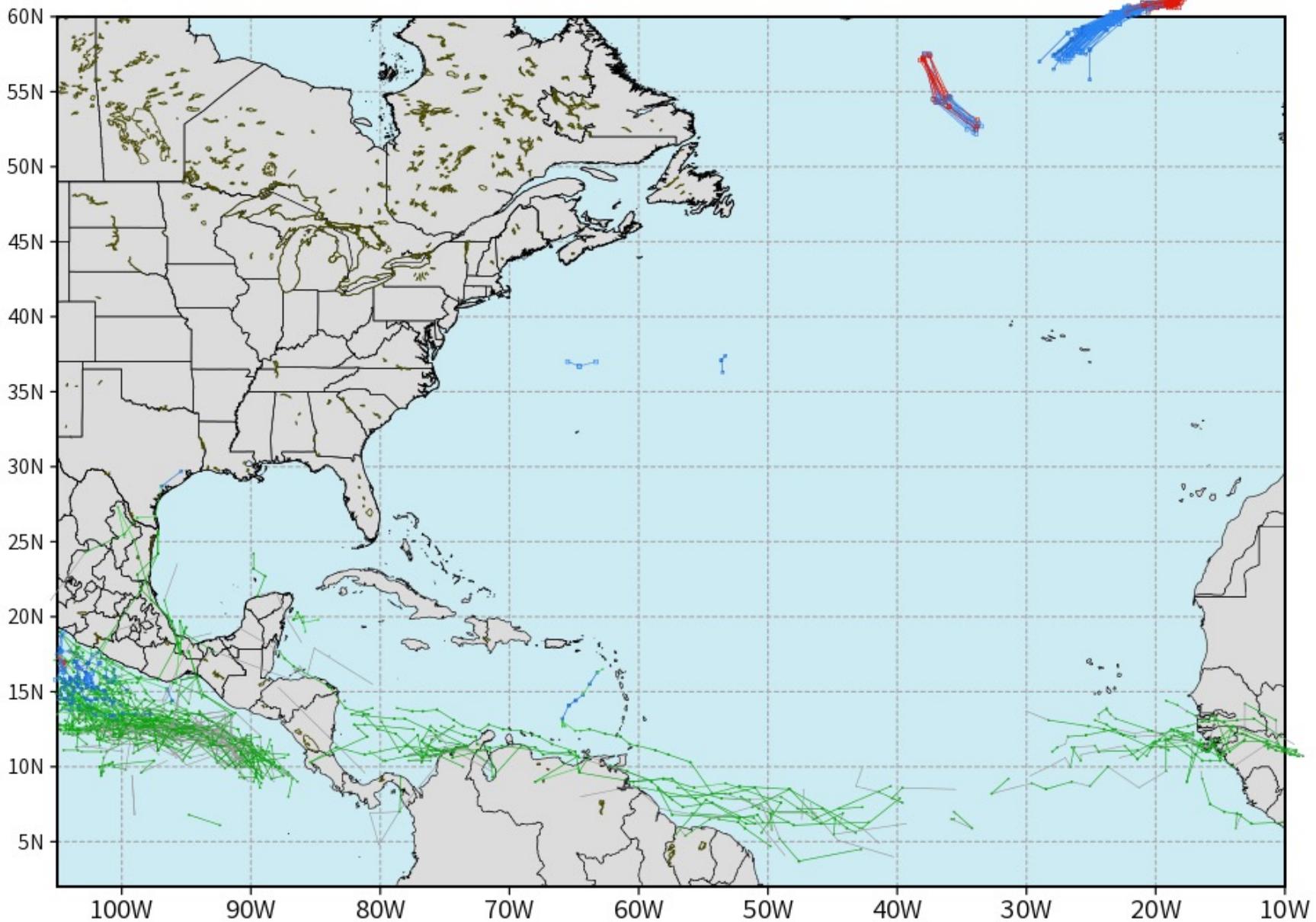
- **As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.**

Tropical Update:

European Ensemble 10-days Tracks

ECMWF ATLANTIC EPS Cyclone Locations --> Next [10-days]
INIT: 00Z19OCT2021 --> UNTIL 00Z29OCT2021

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



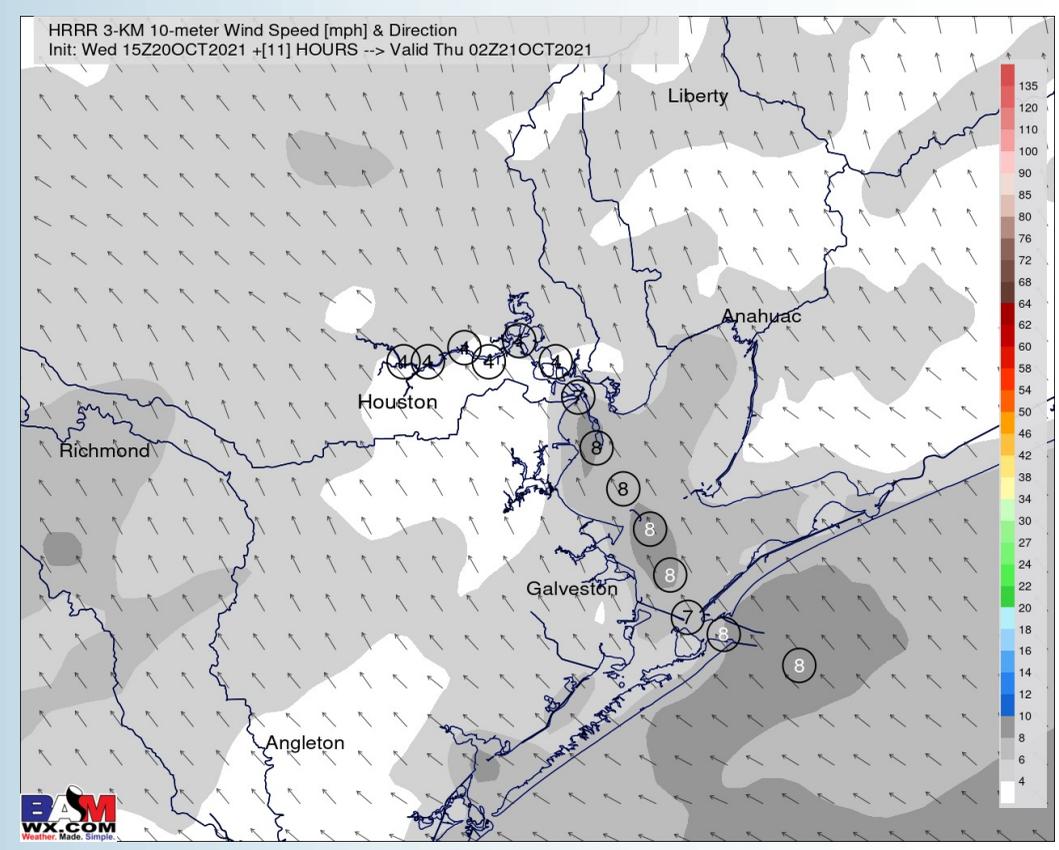
weathermodels.com

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

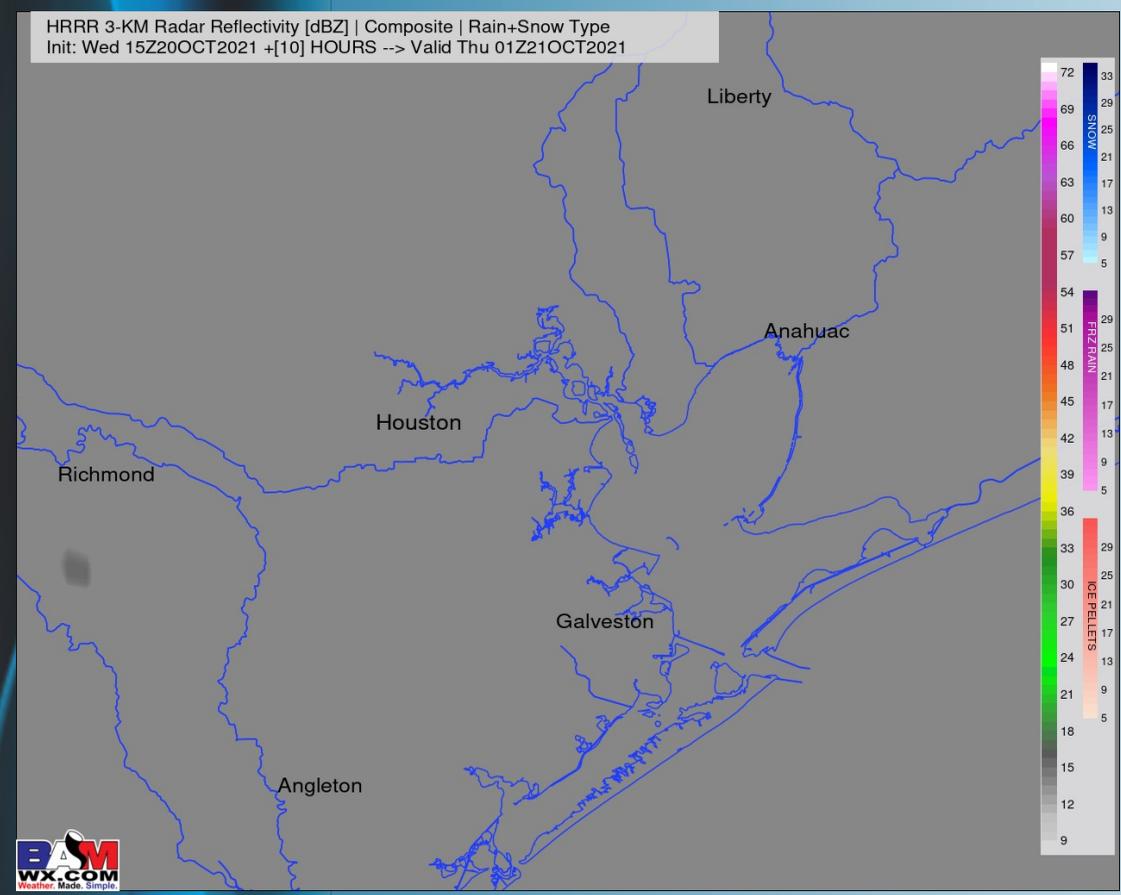
Short-Term Forecast Discussion

- No precip is expected this afternoon and evening.
- 8-13 MPH sustained for the rest of the day is favored with gusts to 15 MPH at the boarding station. Winds look to be coming out of the E for the next few hours before turning more out of the SE near ~5 PM tonight. Winds then turn more northerly near ~2 AM THU at 3-7 MPH sustained.
- Lows fall back into the low to mid 70s.
- **Fog is not in the forecast for the evening hours of tonight.**

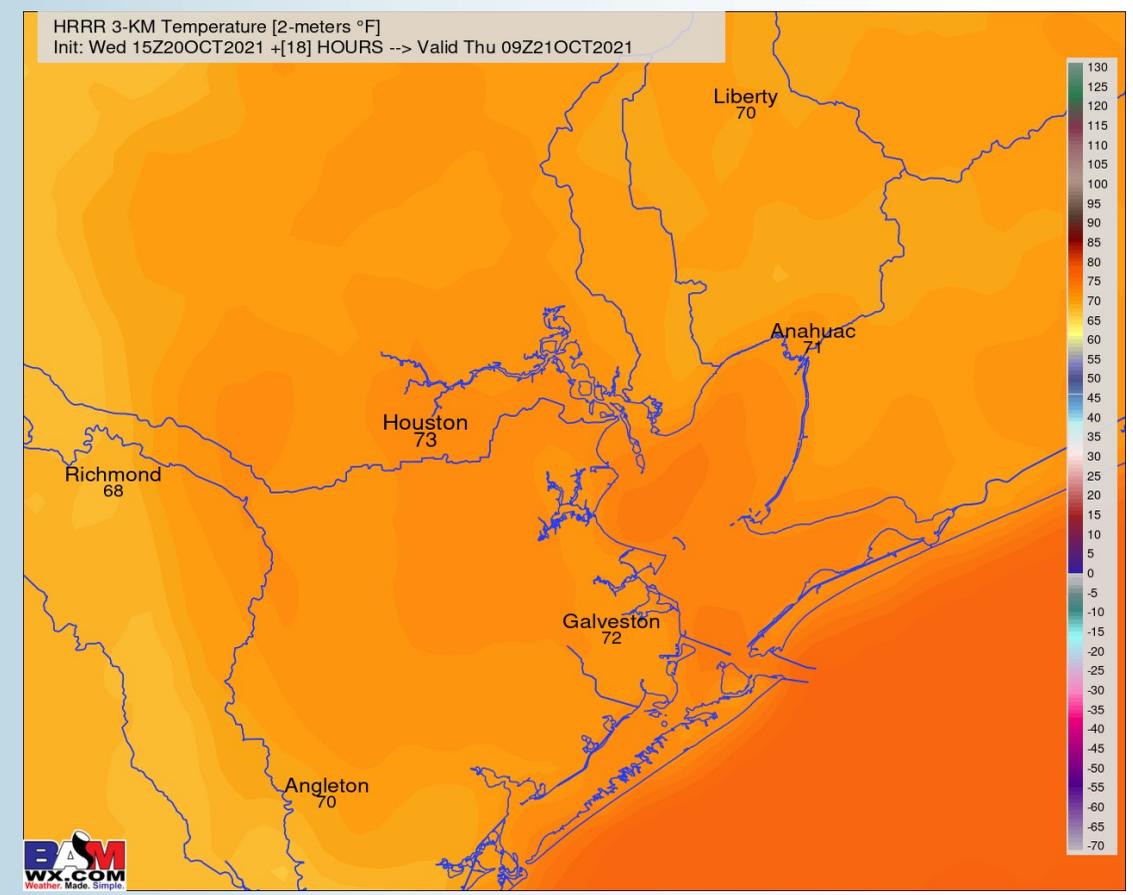
Sustained Winds (8 PM CT)



Simulated Radar Snapshot (8 PM CT)



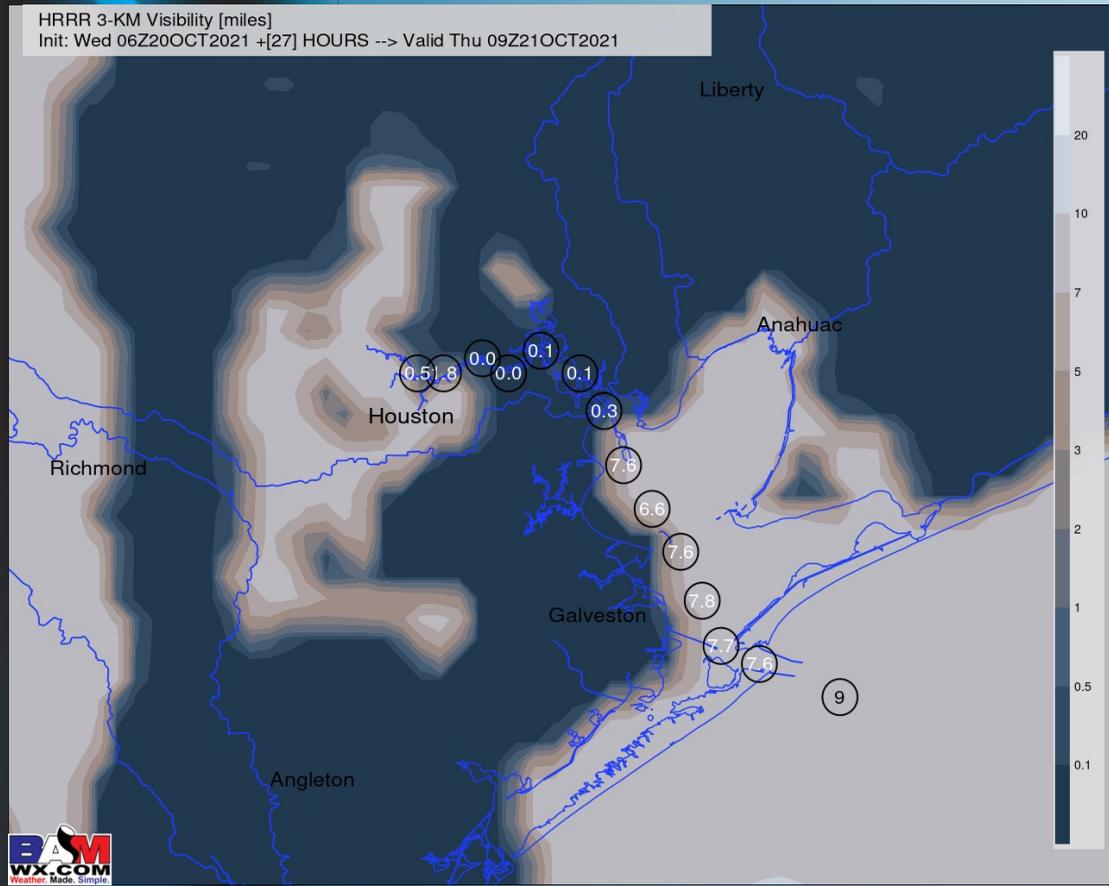
Low Temps This Evening



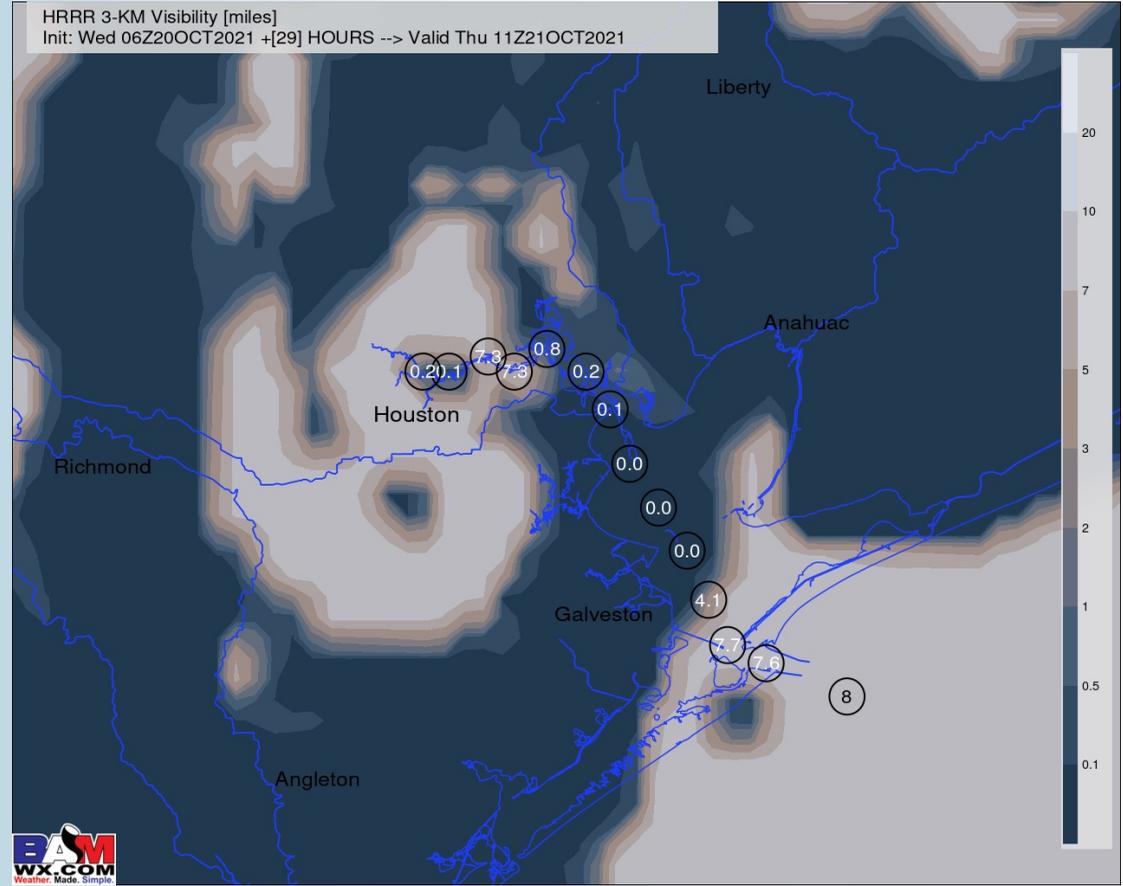
Visibility Report

Thursday, October 21, 2021

VISIBILITY (4 AM CT THU)



VISIBILITY (8 AM CT THU)



CONFIDENCE

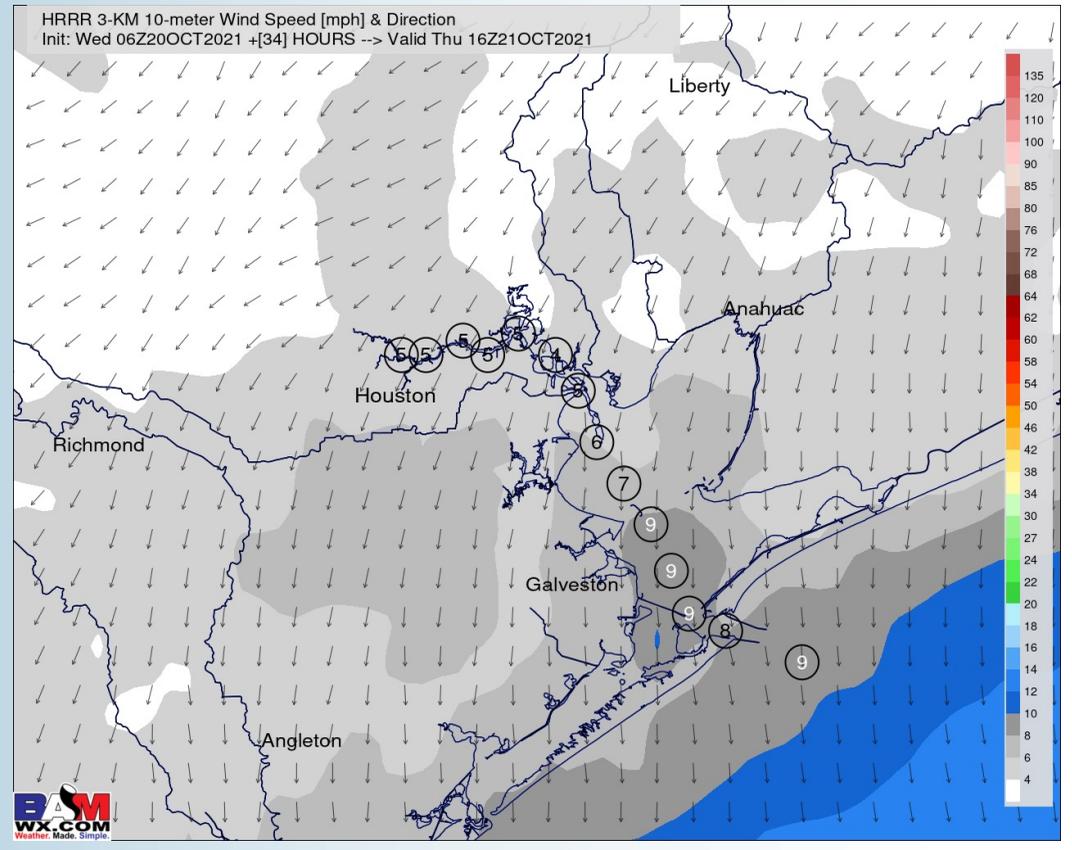
Below Normal Above Normal

- Fog chances around the Houston area are increasing for Thursday AM, however a bit lower confidence on just how far south fog can bleed.**
- More widespread fog is favored inland north of our stations, but we think that stations N of the 37/38 station need to monitor for patchy fog forming over land and then spreading over the water. Slightly warmer air temps over stations with more open waters (like the boarding station) likely help keep the fog threat lower for the southern stations.**
- Any patchy fog North of Morgan's Point likely develops in the 2-4 AM window and in the 4-6 AM window for stations down to 37/38. Any fog would lift by 8-9 AM**

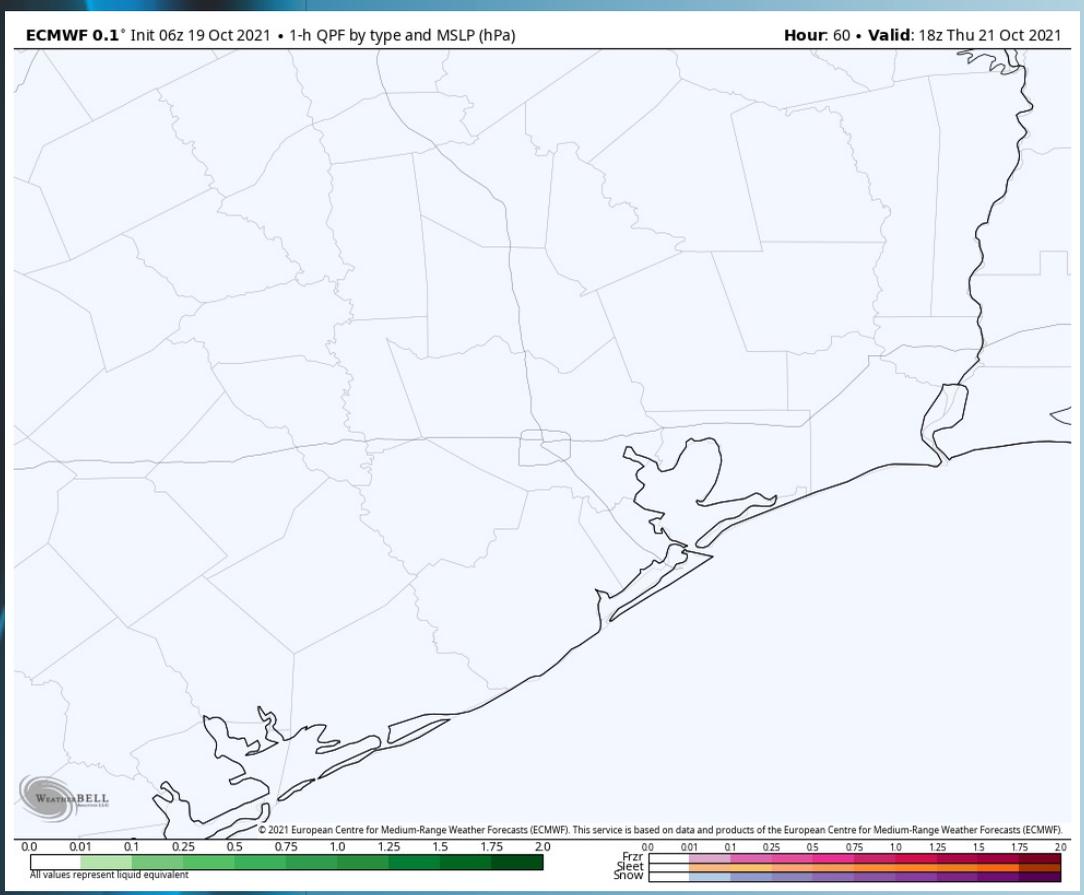
Short-Term Forecast Discussion

- **Dry conditions expected to continue for Thursday. Adding a quick mention of a ~10% shower chance from daybreak to 10 AM, otherwise anticipating a quieter day.**
- **Winds for most of Thursday look to be 5-10 MPH sustained, calmer towards the HOU downtown area. Gusts to 15 MPH possible at the boarding station out through ~10 AM. Winds ~2-4 AM look to shift from SE to N and continue Northerly out through ~8 PM before a shift back to the SE.**
- **Highs in the low to mid 80s are expected for Thursday.**
- **Check slide above for more details on fog.**

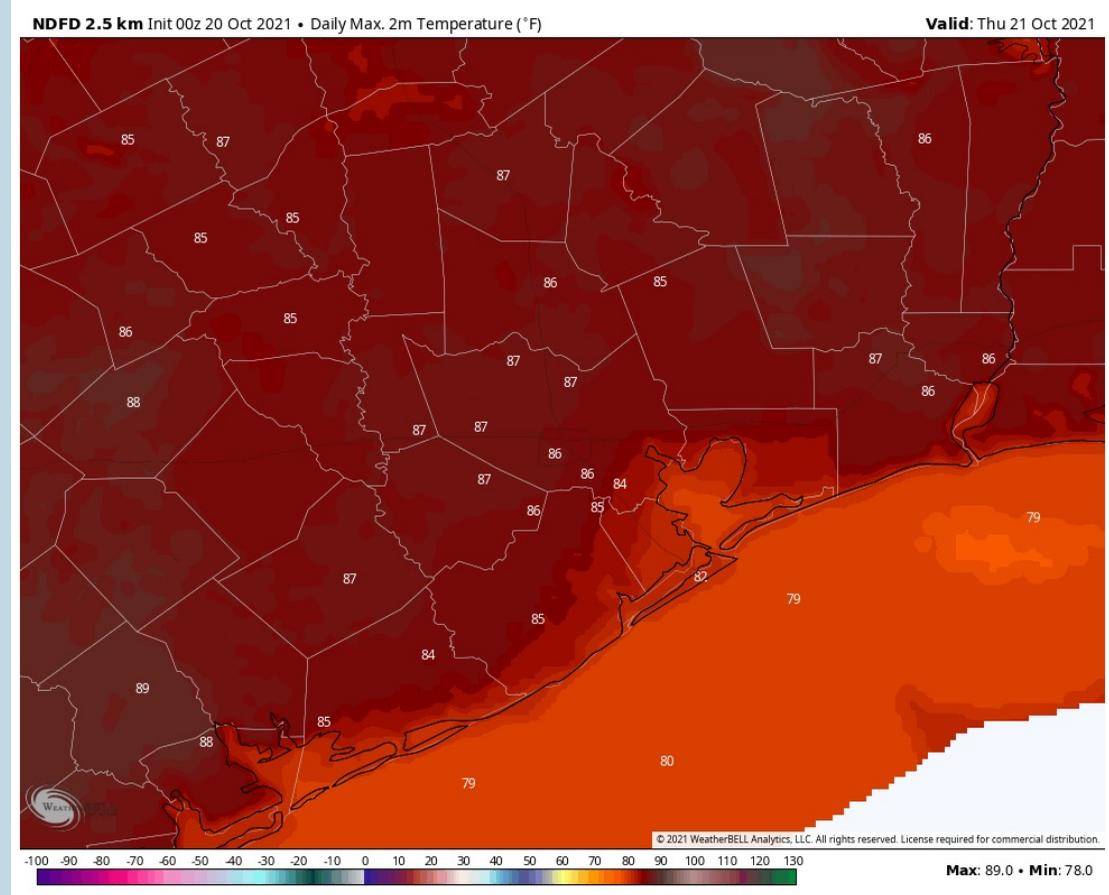
Sustained Winds (12 PM CT)



Simulated Radar Snapshot (1 PM CT)



High Temps Thursday

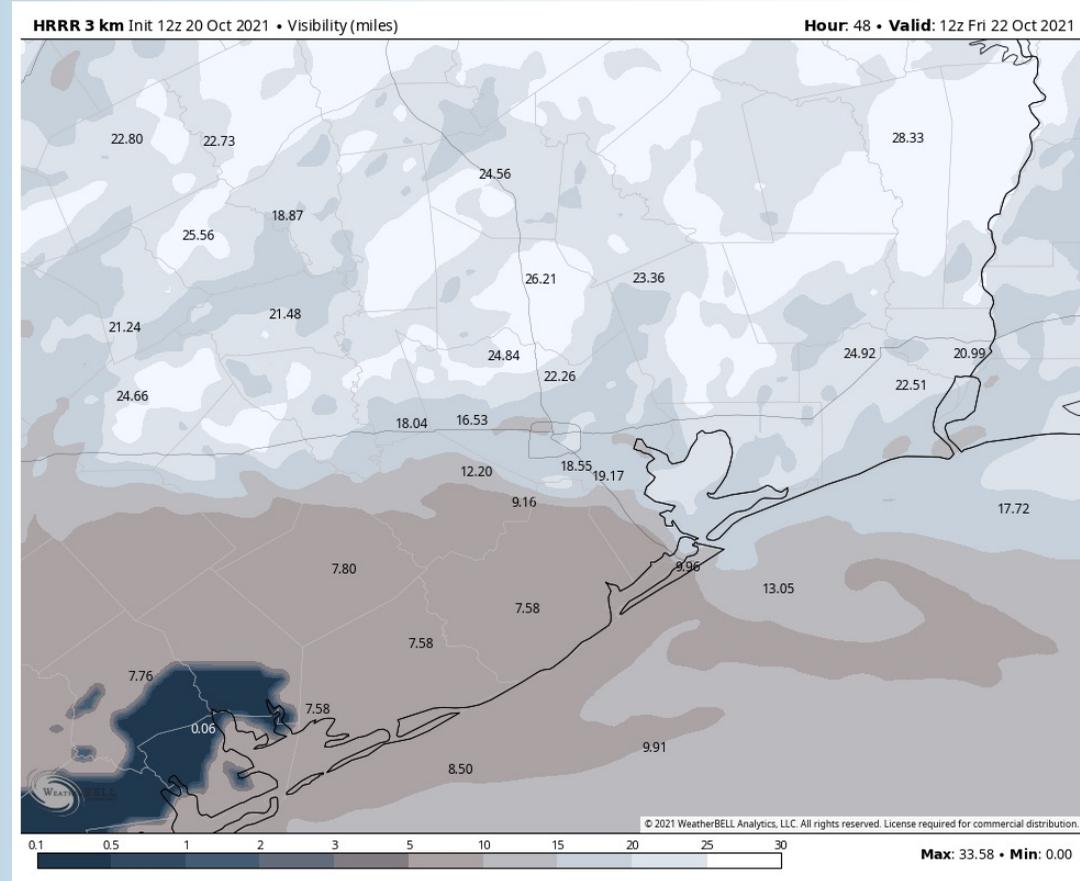
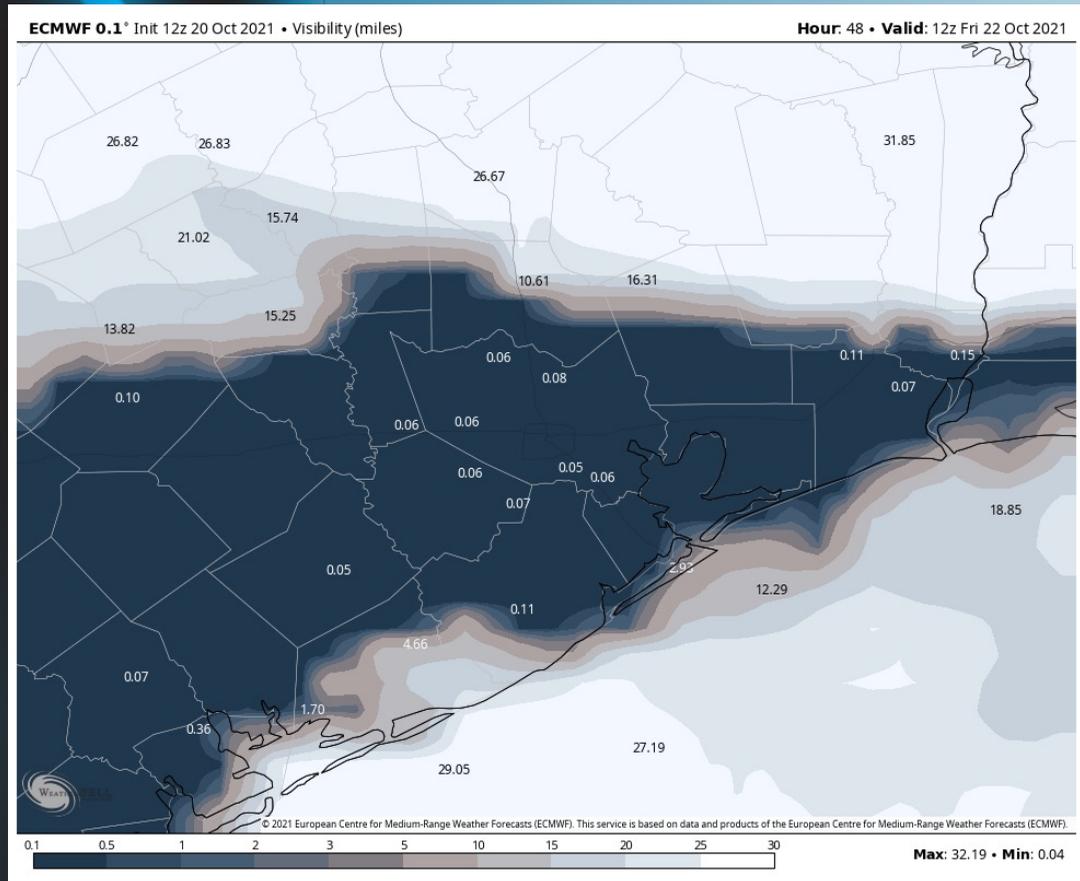


Visibility Report

Friday, October 22, 2021

VISIBILITY (FRI AM EURO MODEL)

VISIBILITY (FRI AM HRRR MODEL)



CONFIDENCE

Below
Normal

Above
Normal

- **Confidence is rather low for Friday as global model guidance continues to suggest fog is possible Fri AM while latest hi-resolution data is not supportive of that thought.**
- *****If*** any fog can develop, widespread fog would be most likely to occur inland north of our stations, but we think that stations N of the 63/64 station need to monitor for patchy fog forming over land and then “bleeding” over the water. Slightly warmer air temps over stations with more open waters likely help keep the fog threat for the southern stations lower.**
 - **Similar to THU AM, best window for fog comes in the ~3-9 AM timeframe.**
- **How Thursday AM’s fog potential plays out will help us know which set of data likely has a better handle on things for Friday**

Short-Term Forecast Discussion

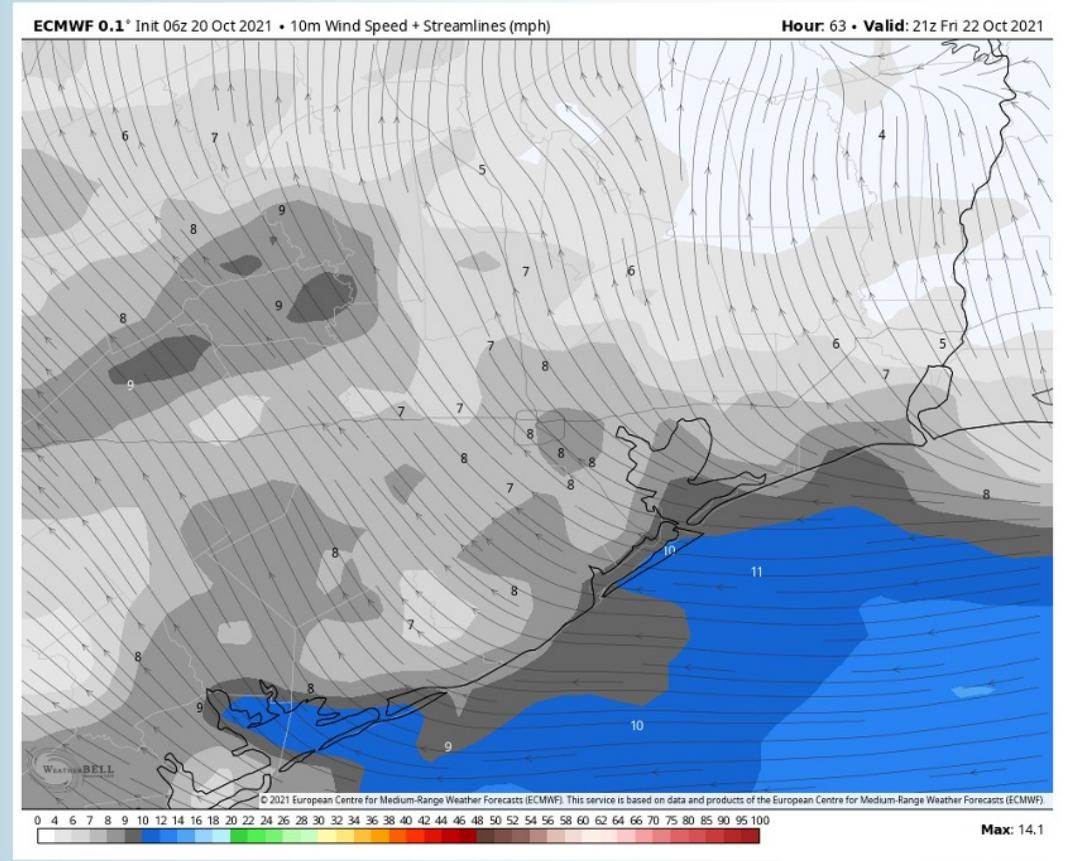
- **A 10% chance of a very isolated light shower exists in the early to mid PM hours, however, most if not all of Friday is anticipated to be dry.**

- **Winds most of Fri look to be 5-10 MPH sustained, picking up at the boarding station at 8-13 MPH after sundown. Gusts to 18 MPH possible. Winds look to veer from the NE to SE as the day progresses.**

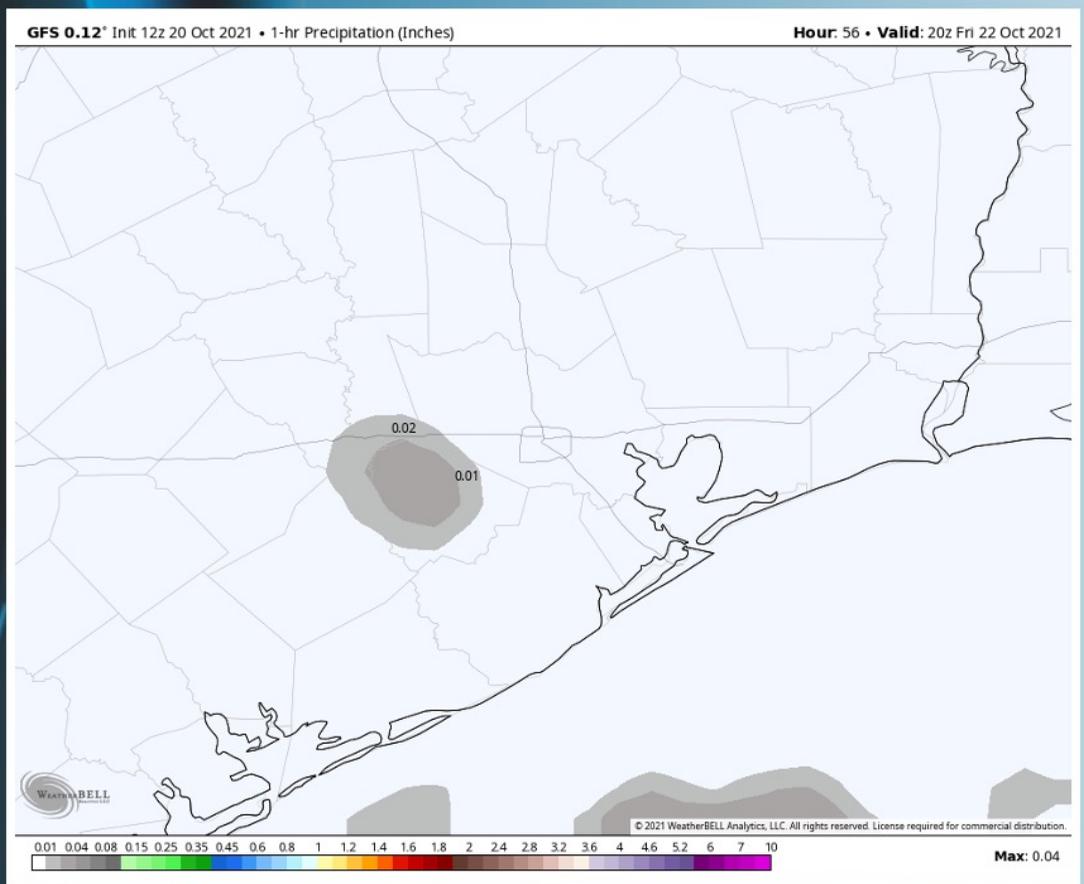
- **High temps Friday sit in the low to mid 80s.**

- **Check slide above for more details on fog.**

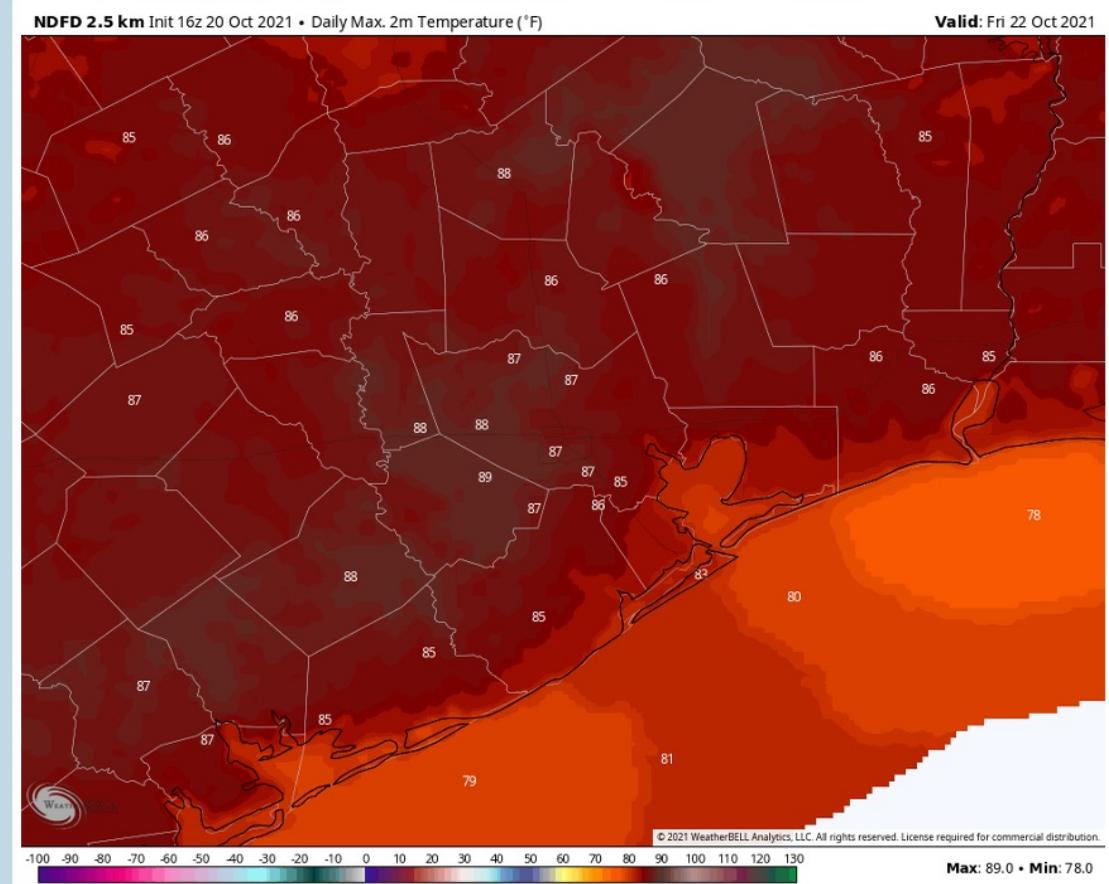
Sustained Winds (4 PM CT)



Simulated Radar Snapshot (3 PM CT)



High Temps Friday



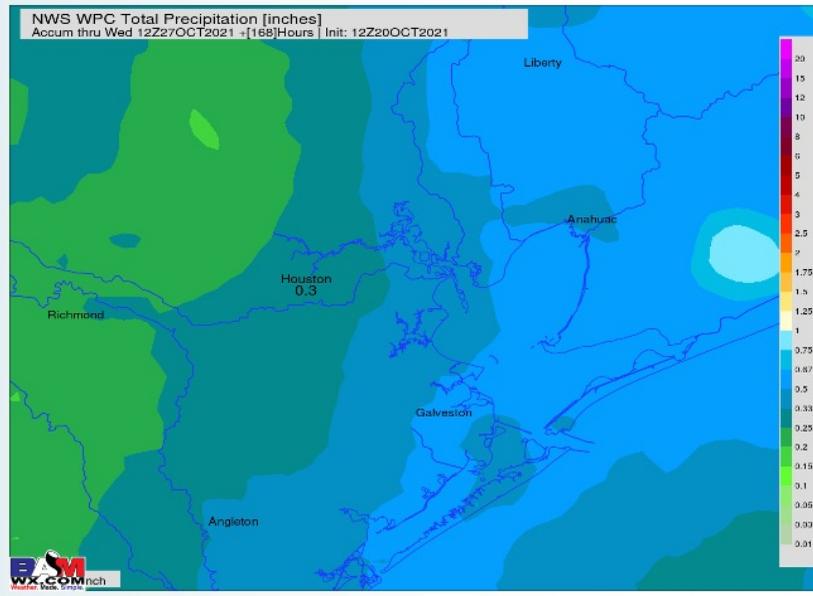
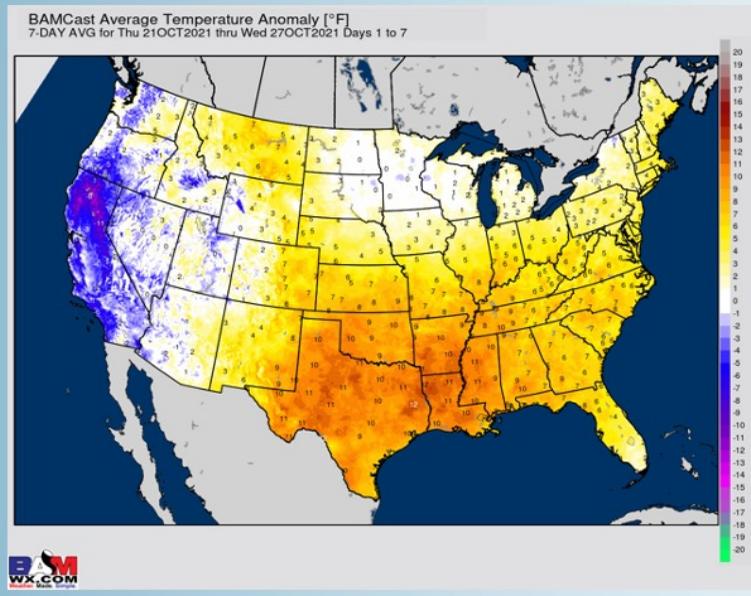
Long-Range Forecast Discussion

- 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.

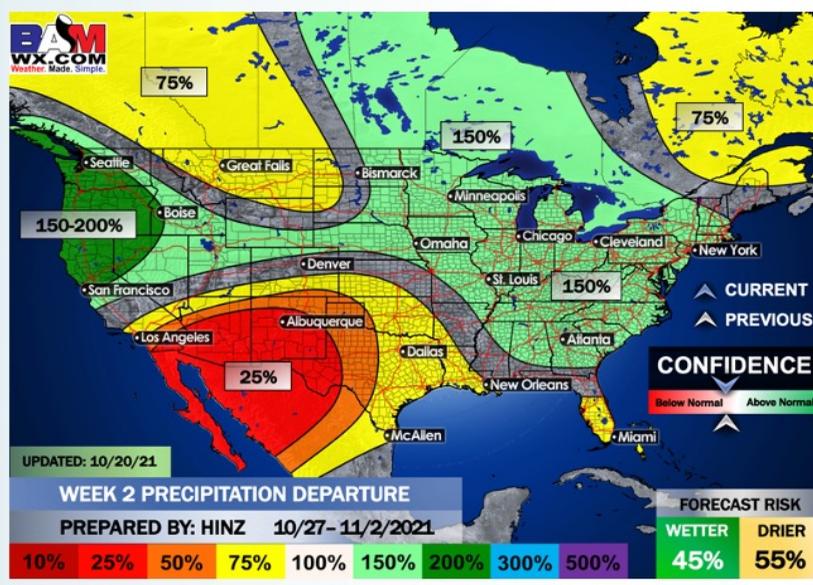
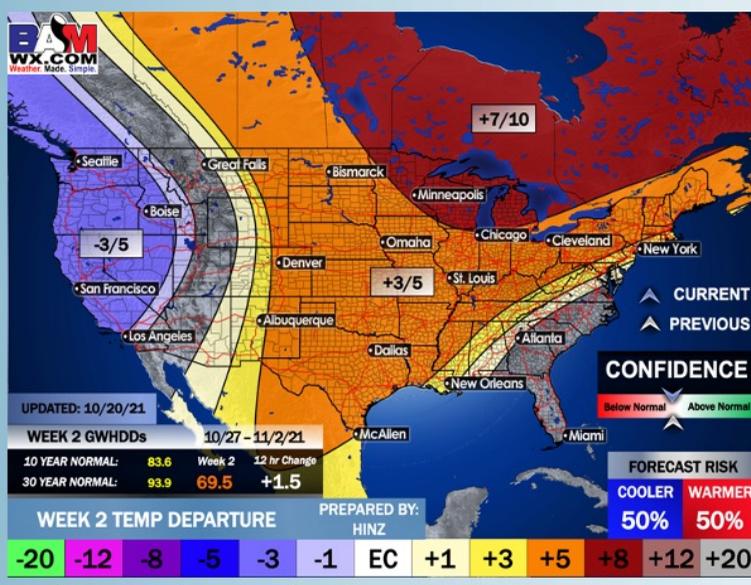
- The week 2 timeframe is expected to have above average temps with slightly below average risks for precip. Not eyeing a specific threat for a tropical storm or hurricane at this distance.

- 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

