

Updated: 5:00 AM CT, Thursday, October 21, 2021

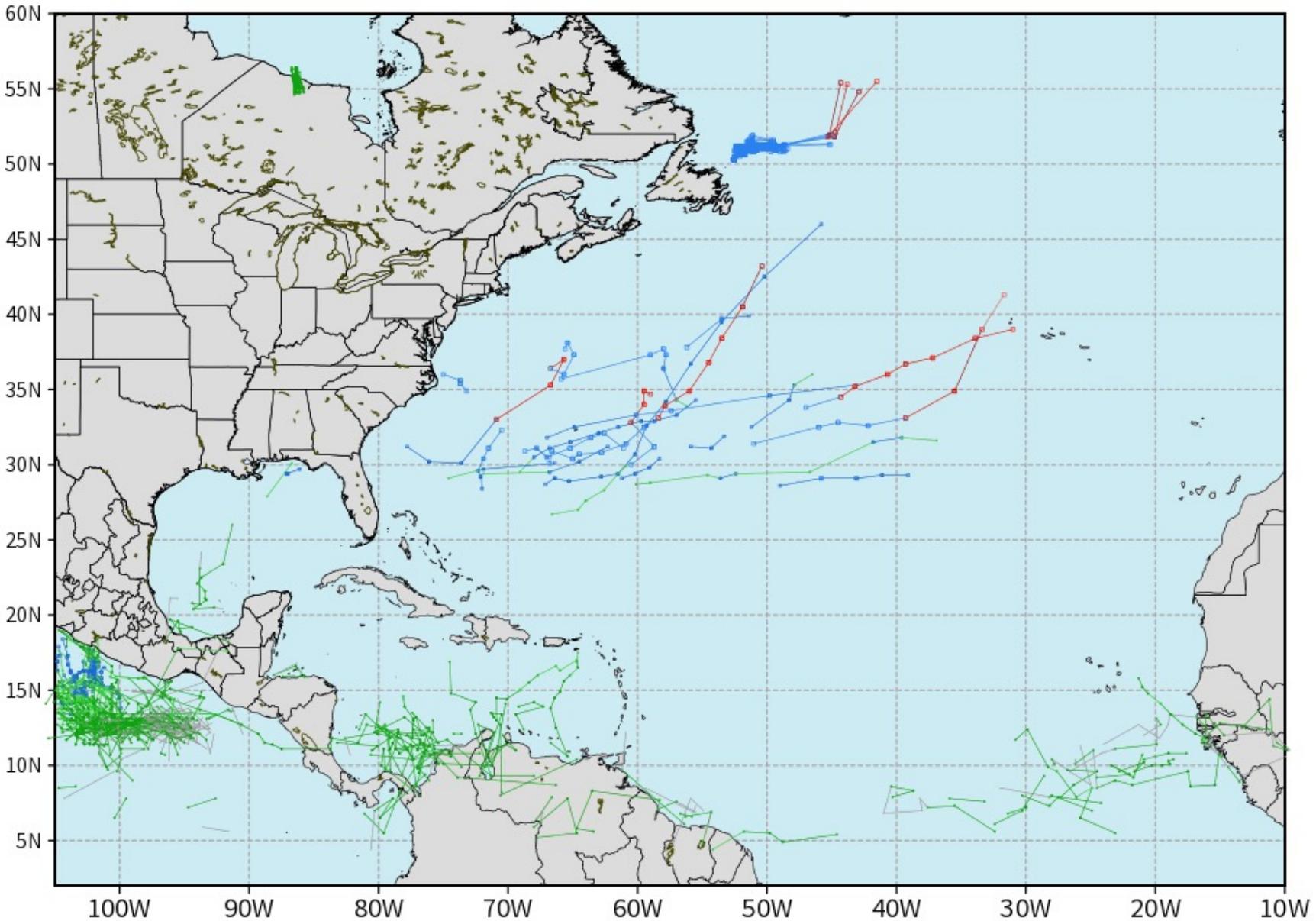
- **As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.**

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.



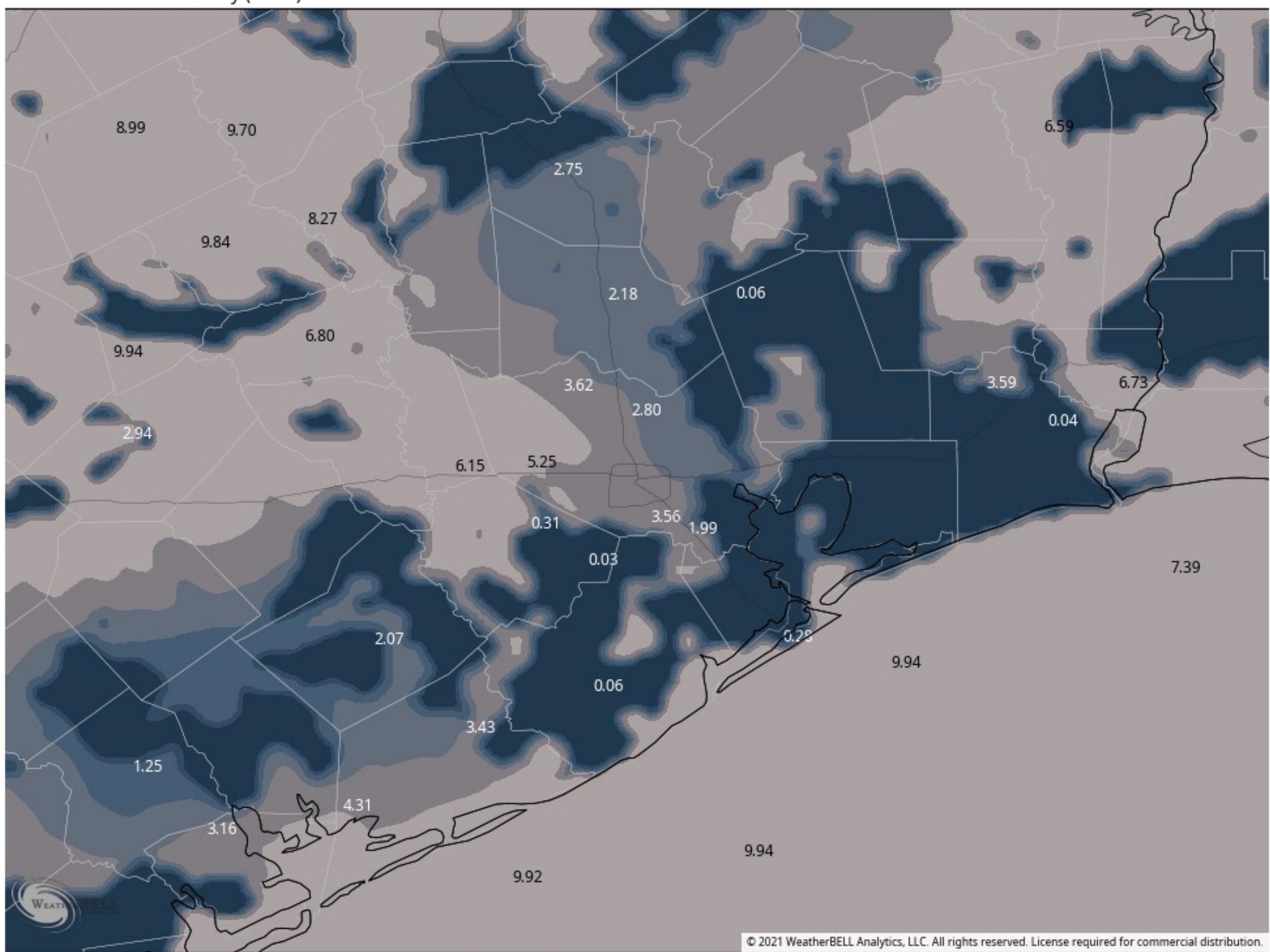
CURRENT VISIBILITY

Thursday, October 21, 2021

VISIBILITY AS OF 5:45 AM CT

RTMA 2.5 km • Visibility (miles)

Valid: 0930z Thu 21 Oct 2021



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Max: 9.94 • Min: 0.01



Visibility Report

Thursday, October 21, 2021

HOURLY VISIBILITY BREAKDOWN (in miles)

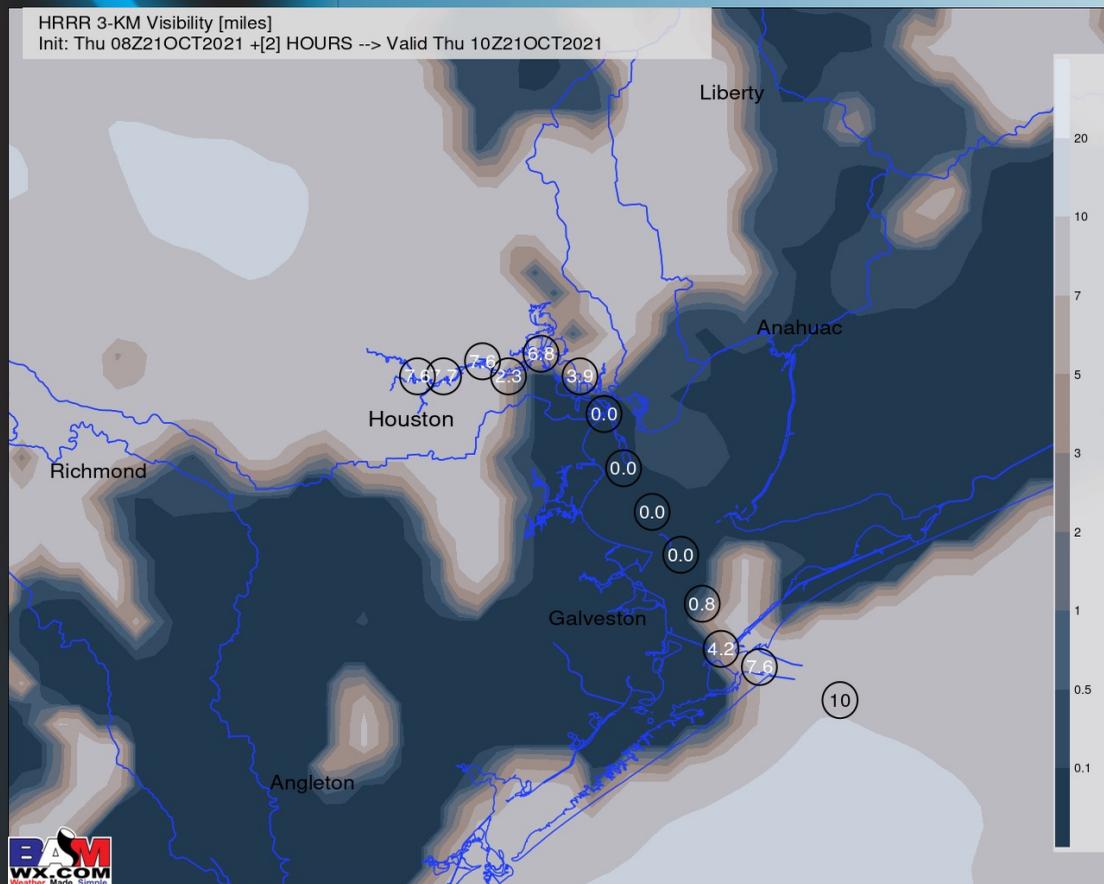
Time	10-21-2021 Thu 3am	10-21-2021 Thu 4am	10-21-2021 Thu 5am	10-21-2021 Thu 6am	10-21-2021 Thu 7am	10-21-2021 Thu 8am	10-21-2021 Thu 9am	10-21-2021 Thu 10am	10-21-2021 Thu 11am	10-21-2021 Thu 12pm	10-21-2021 Thu 1pm	10-21-2021 Thu 2pm	10-21-2021 Thu 3pm	10-21-2021 Thu 4pm	10-21-2021 Thu 5pm	10-21-2021 Thu 6pm	10-21-2021 Thu 7pm	10-21-2021 Thu 8pm	10-21-2021 Thu 9pm	10-21-2021 Thu 10pm	10-21-2021 Thu 11pm	10-22-2021 Fri 12am	10-22-2021 Fri 1am	10-22-2021 Fri 2am	10-22-2021 Fri 3am	10-22-2021 Fri 4am	10-22-2021 Fri 5am	10-22-2021 Fri 6am	10-22-2021 Fri 7am	10-22-2021 Fri 8am	10-22-2021 Fri 9am	10-22-2021 Fri 10am	10-22-2021 Fri 11am	10-22-2021 Fri 12pm	10-22-2021 Fri 1pm	10-22-2021 Fri 2pm	
Houston Pilots N - 610 Bridge	8.615	8.201	8.395	8.048	8.354	8.431	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	6.964	6.380	4.931	3.897	3.897	3.897	2.015	1.433	1.433	0.477	2.978	6.930	10.000	10.000	10.000	10.000	
Houston Pilots M - Kinder 1	8.615	8.201	8.395	8.048	7.893	8.119	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.462	6.380	5.996	5.233	3.897	3.897	2.600	2.850	2.460	2.284	2.978	7.449	10.000	10.000	10.000	10.000	
Houston Pilots L - Greens Bayou	8.615	8.201	8.395	8.048	7.619	7.585	9.786	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.133	7.312	7.084	6.885	5.735	5.011	4.912	5.571	5.069	4.814	5.374	8.146	10.000	10.000	10.000	10.000	
Houston Pilots K - Shell Crude	8.615	8.201	8.395	8.048	7.669	7.645	8.911	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	8.988	8.455	8.033	8.988	8.988	8.033	8.988	9.033	10.000	10.000	10.000	10.000	
Houston Pilots J - Lynchburg Ferries	8.126	7.968	8.391	8.048	7.822	7.765	8.619	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	8.988	8.455	8.033	8.988	8.988	8.033	8.988	9.033	10.000	10.000	10.000	10.000	
Houston Pilots I - Exxon 3	7.586	7.612	8.278	8.018	8.137	8.101	8.761	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	8.988	8.988	8.033	8.988	8.988	8.033	8.988	9.033	10.000	10.000	10.000	10.000	
Houston Pilots H - Morgans Point	7.584	7.581	7.765	7.862	8.395	8.691	8.761	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	8.988	8.988	8.033	8.988	8.988	8.988	8.988	9.033	10.000	10.000	10.000	10.000	
Houston Pilots G - 75/76	7.589	7.581	7.581	7.862	8.395	8.691	8.761	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	8.988	8.988	8.547	8.988	8.988	8.988	8.988	9.033	10.000	10.000	10.000	10.000	
Houston Pilots F - 63/64	7.632	7.586	7.581	7.862	8.395	8.691	8.761	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	8.988	8.988	9.033	10.000	10.000	10.000	10.000	
Houston Pilots E - 51/52	7.785	7.782	7.632	7.581	8.395	8.691	8.761	9.556	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	8.988	9.033	10.000	10.000	10.000	10.000	
Houston Pilots D - 37/38	8.247	7.782	7.820	7.645	7.616	8.657	8.642	9.704	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	8.988	8.988	9.033	10.000	10.000	10.000	10.000
Houston Pilots C - 25/26	10.000	10.000	8.483	8.343	7.419	7.968	8.637	9.704	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	10.000	10.000	10.000	10.000	
Houston Pilots B - 11/12	10.000	10.000	10.000	9.364	8.693	7.816	8.554	9.435	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	10.000	10.000	10.000	10.000	
Houston Pilots A - 1 & 2 Bravo	10.000	10.000	10.000	10.000	10.000	8.752	8.274	9.393	9.983	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.988	8.988	10.000	10.000	9.822	9.822	10.000

• **Latest data is not handling the ongoing fog very well, please check the slide below for more details on exit timing.**

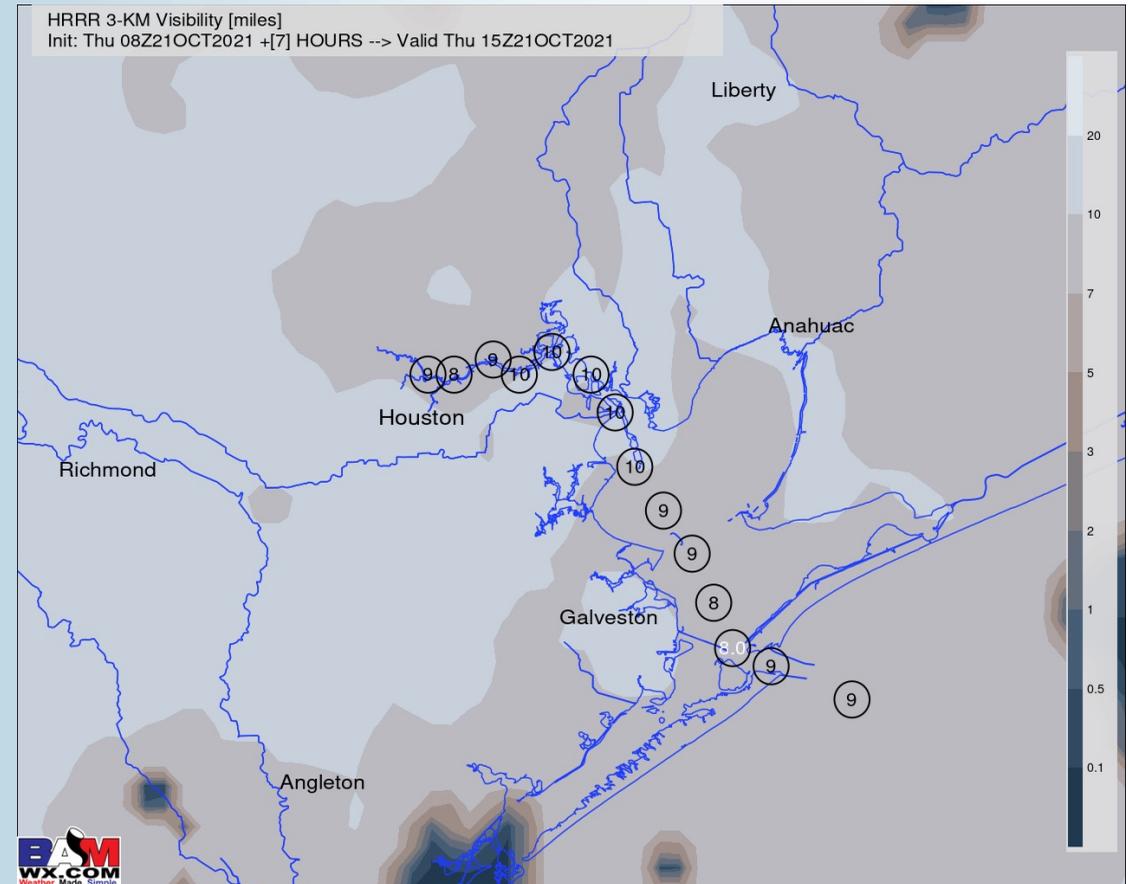
Visibility Report

Thursday, October 21, 2021

VISIBILITY (7 AM CT THU)



VISIBILITY (10 AM CT THU)



CONFIDENCE

Below
Normal

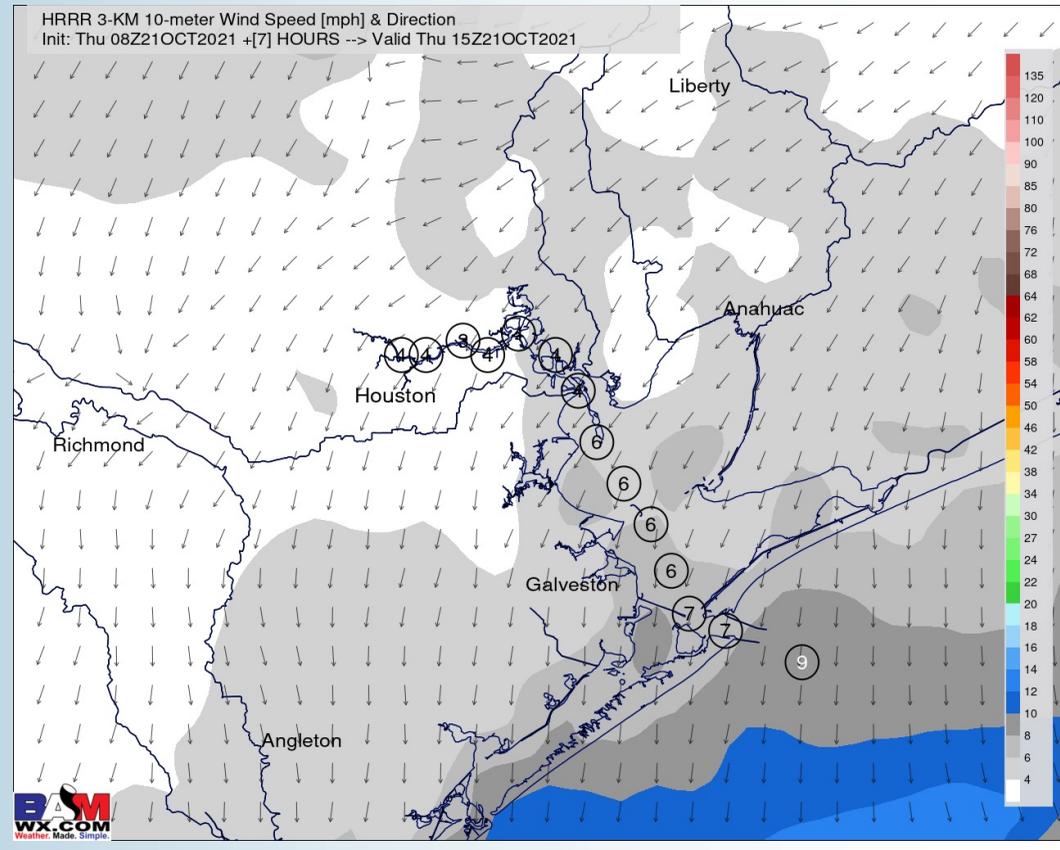
Above
Normal

- Favoring fog to continue around the area here this morning (primarily for stations N of 37/38), some of which could be dense at times.**
- Fog looks to lift near the ~9-10 AM CT timeframe for all stations. The most widespread coverage of fog likely comes over the next few hours in the 6-8 AM window.**
- Visibility of less than 0.5 miles is certainly possible for any station between 610 bridge and 37/38.**

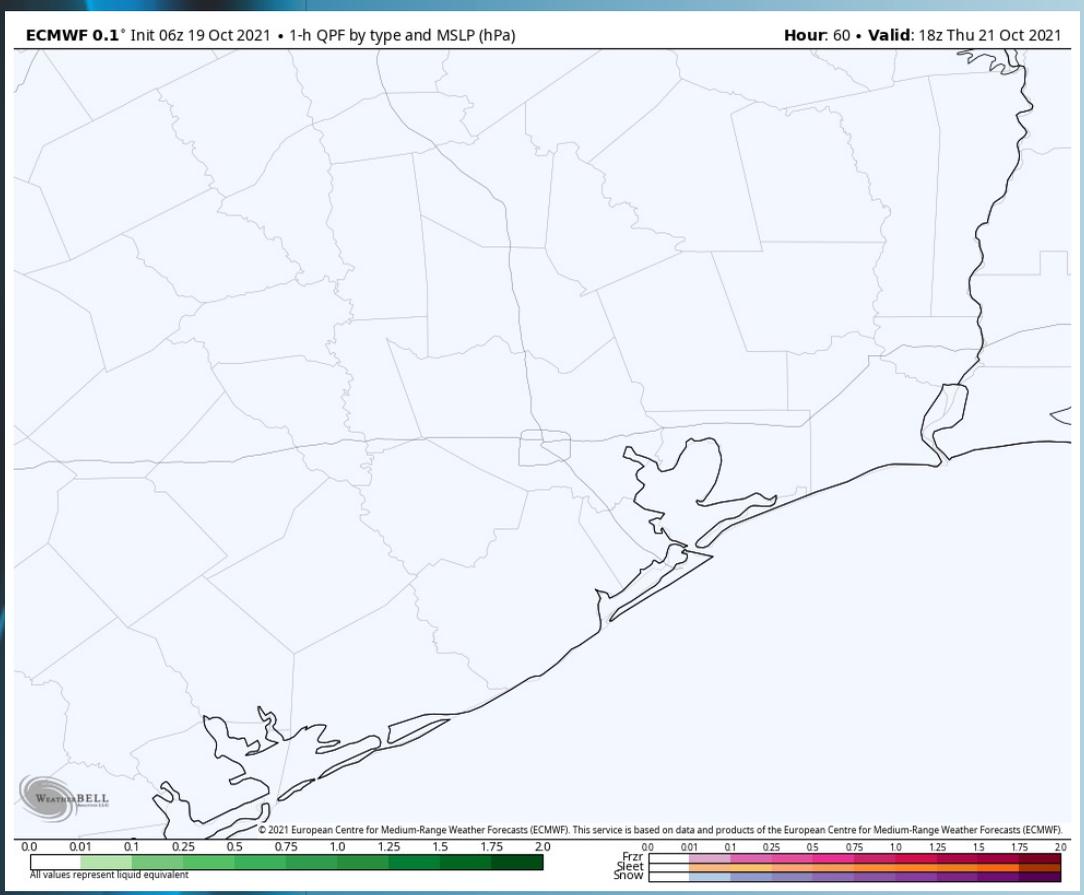
Short-Term Forecast Discussion

- Expecting no precip through 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.
- Highs in the low to mid 80s are expected (slightly cooler off the Gulf Coast).
- **Check slide above for more details on fog this AM.**

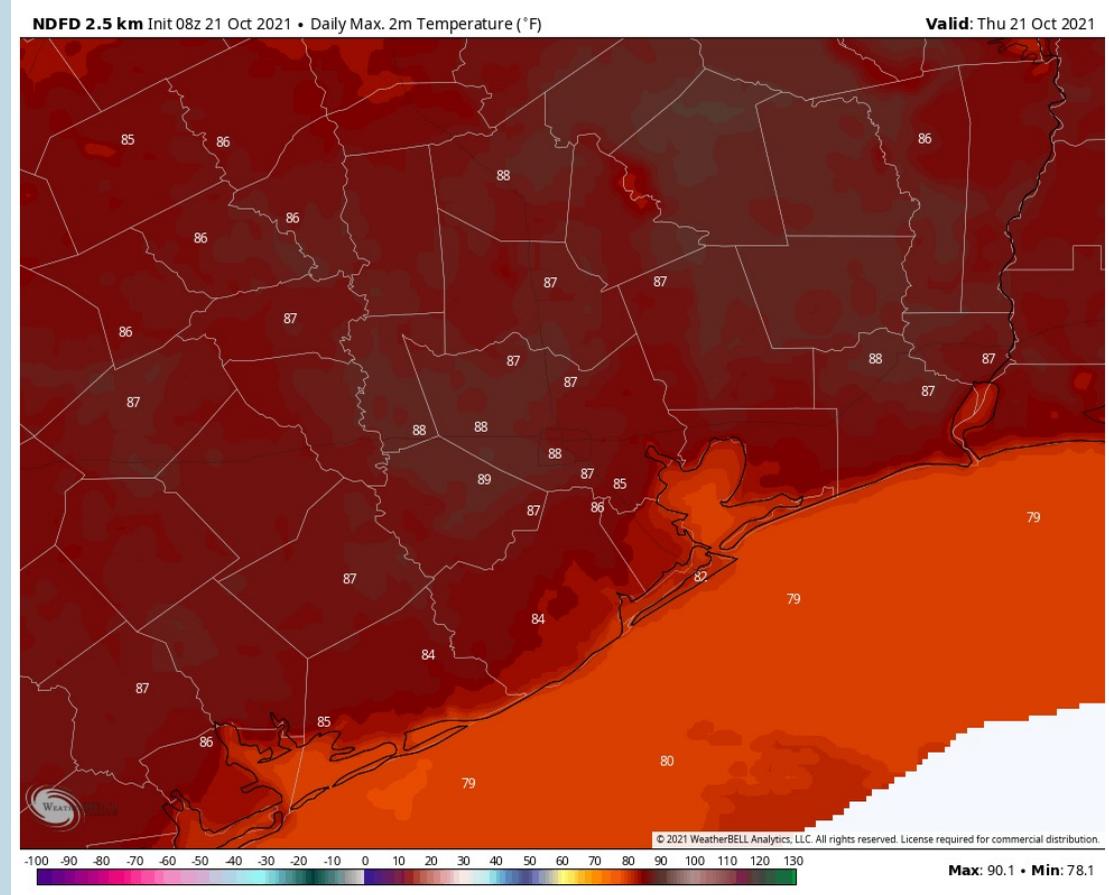
Sustained Winds (11 AM CT)



Simulated Radar Snapshot (1 PM CT)



High Temps Thursday

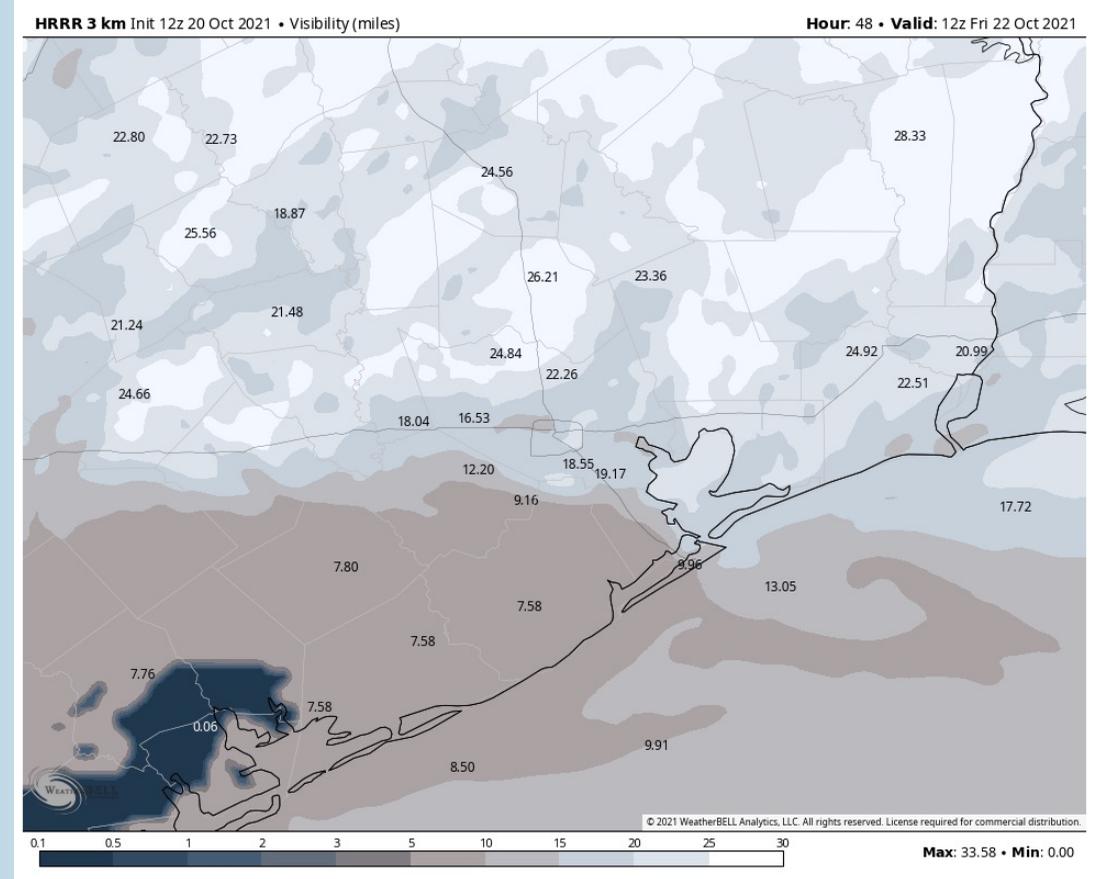
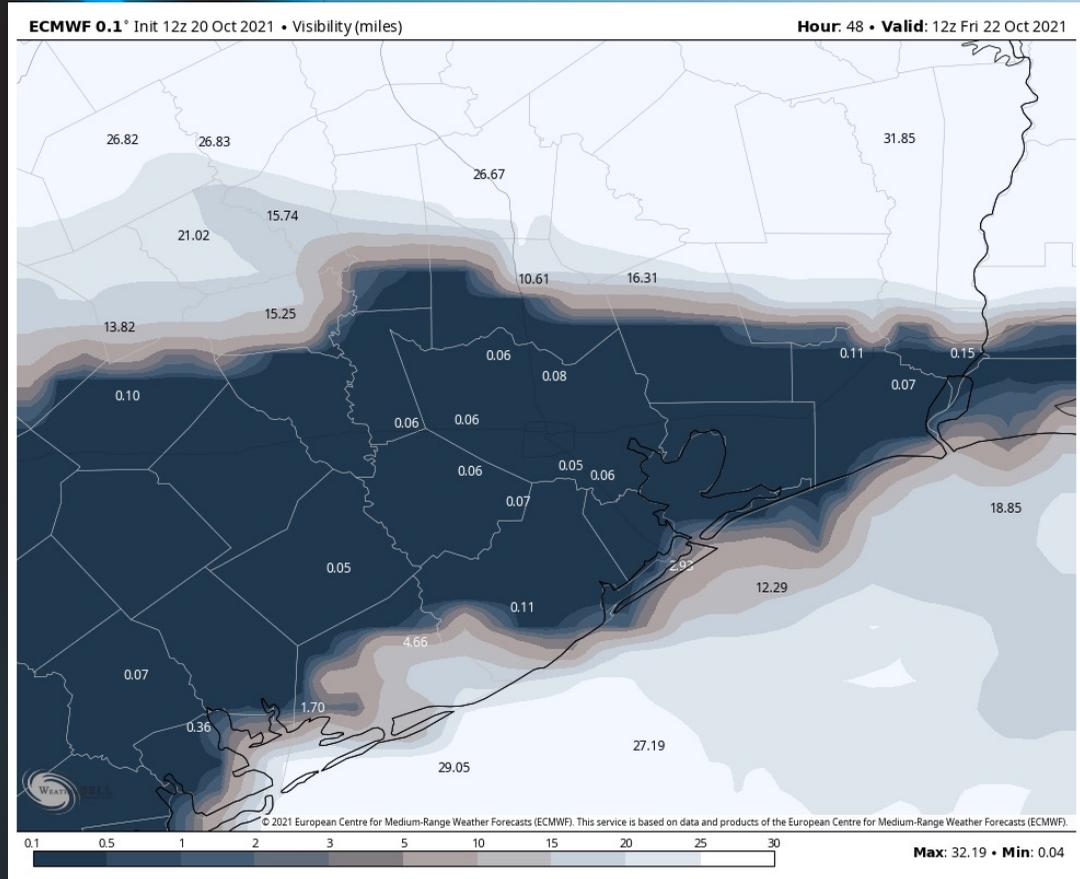


Visibility Report

Friday, October 22, 2021

VISIBILITY (FRI AM EURO MODEL)

VISIBILITY (FRI AM HRRR MODEL)



CONFIDENCE

Below
Normal

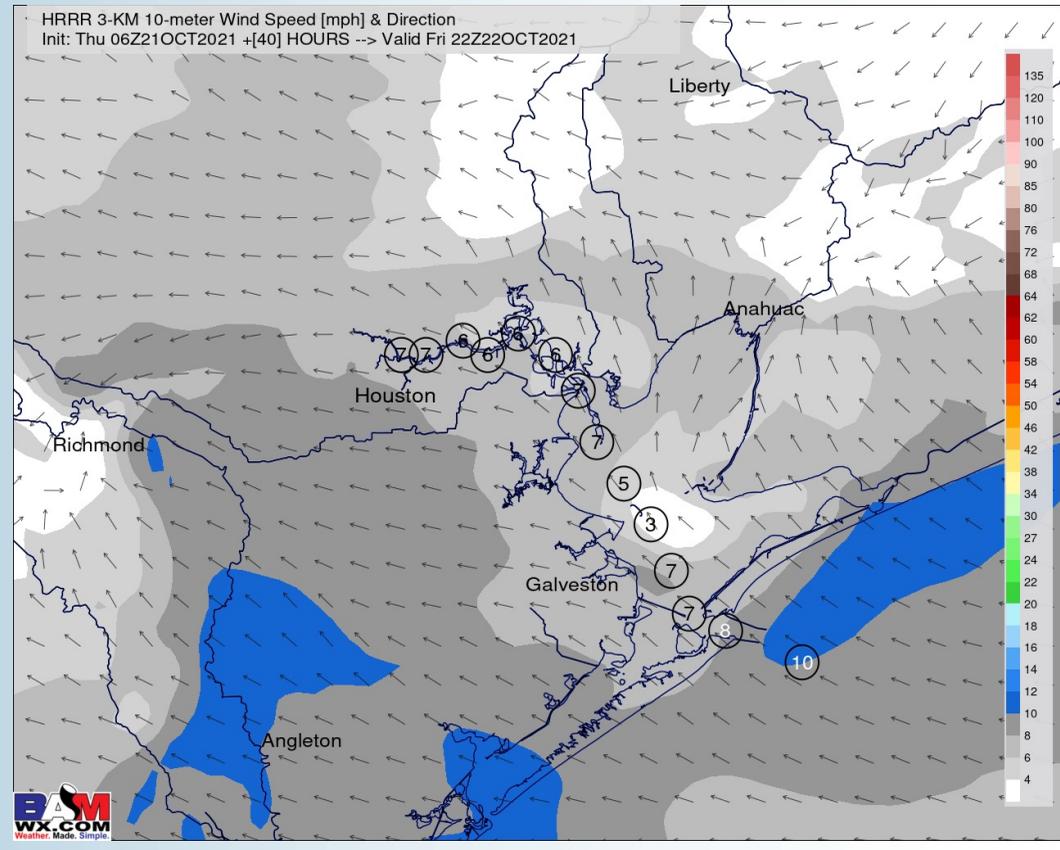
Above
Normal

- **Confidence continues remain rather low as there is still some guidance that has fog, however most short term data is not seeing much of a fog threat.**
- **At this moment, we are going to side with no fog development for Friday. Atmospheric profiles are slightly less supportive of development for Friday AM vs this AM (Thursday)**
 - **We will watch trends closely and if short term data trends in the direction of fog, so will our forecast.**
- ****IF** fog can develop, it would once again be a case where the Northern stations run a higher risk in the 3-9 AM window than southern stations for fog, but again confidence on fog forming is quite low for being 24 hours out.**

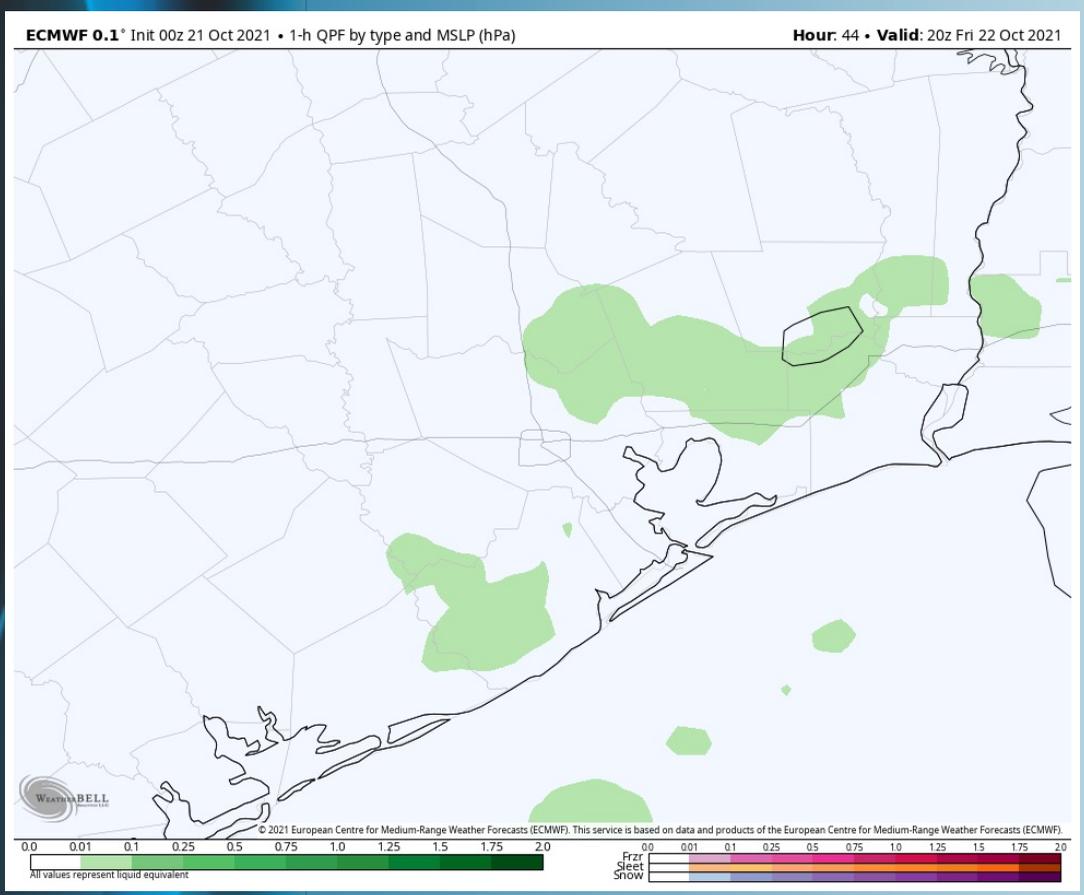
Short-Term Forecast Discussion

- A 10-20% chance of a very isolated light shower exists 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.**

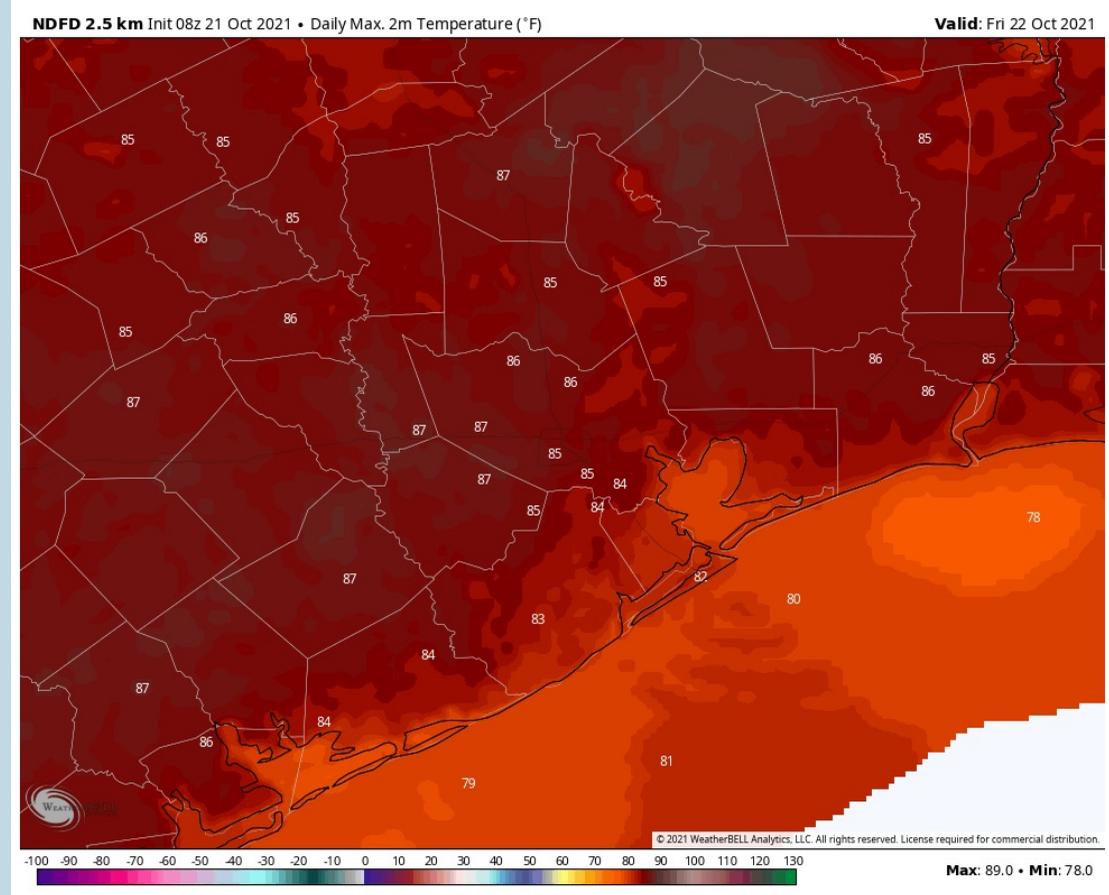
Sustained Winds (4 PM CT)



Simulated Radar Snapshot (4 PM CT)



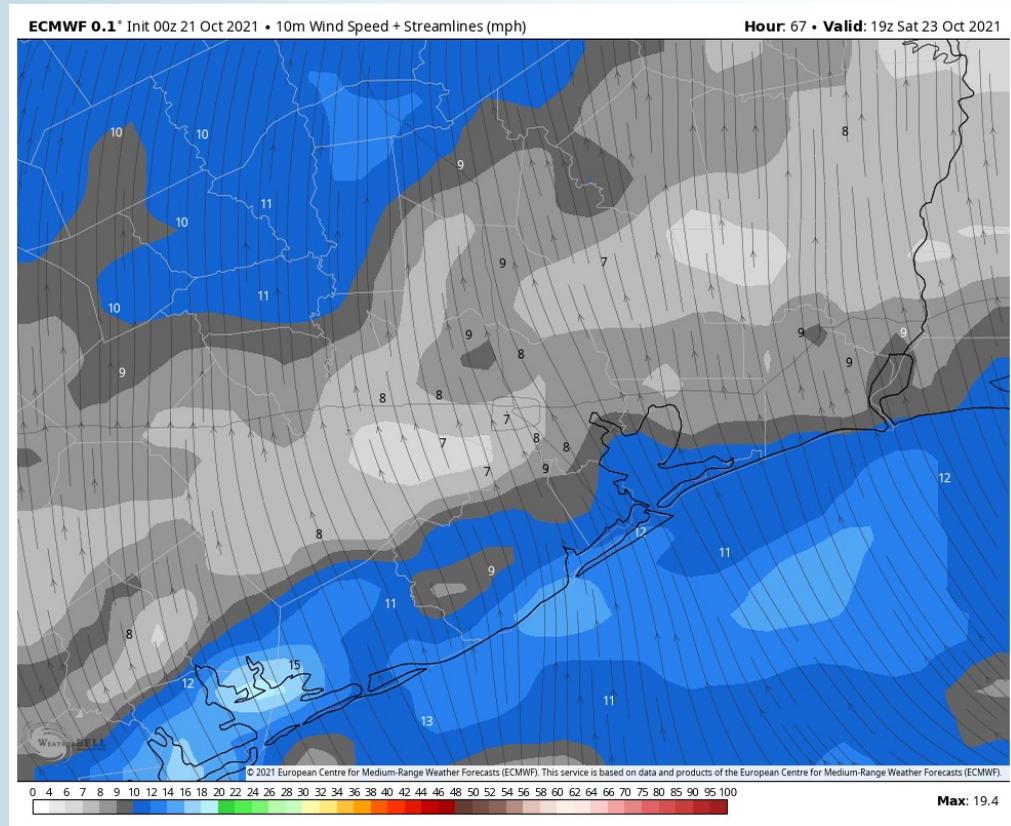
High Temps Friday



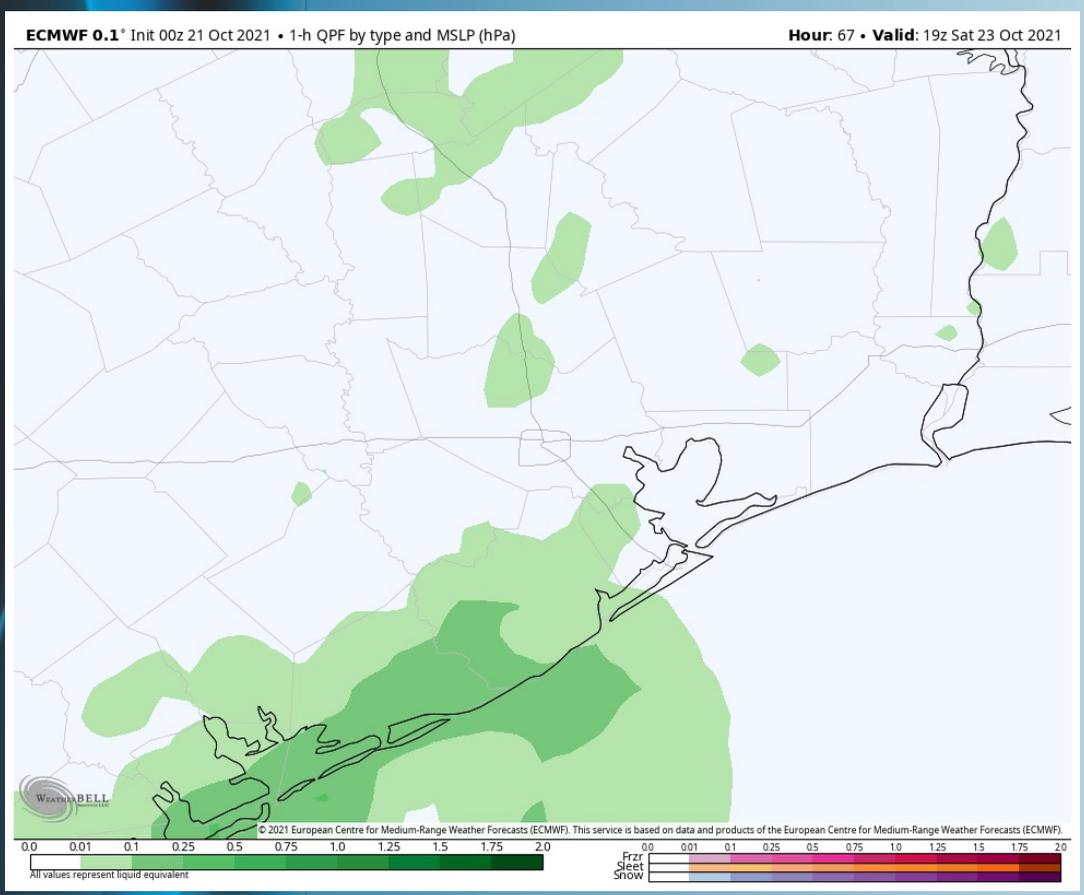
Short-Term Forecast Discussion

- 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.**

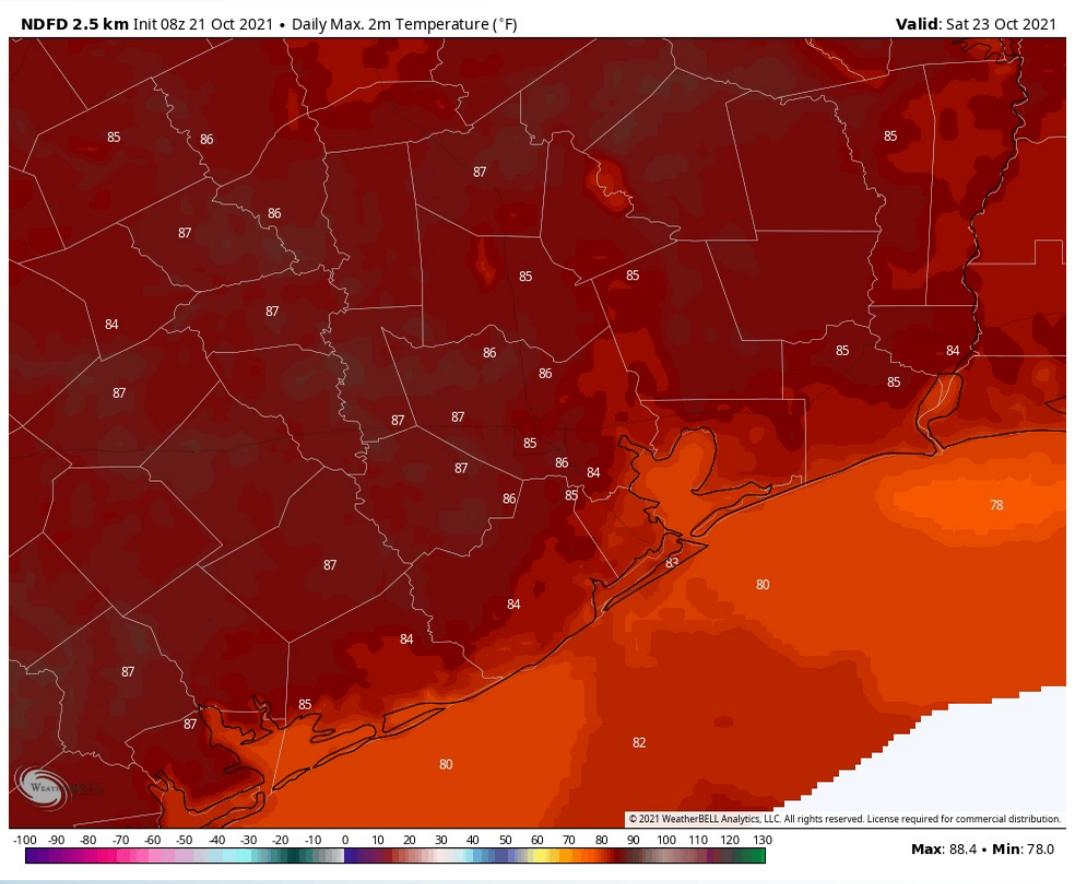
Sustained Winds (8 PM CT)



Simulated Radar Snapshot (2 PM CT)



High Temps Saturday



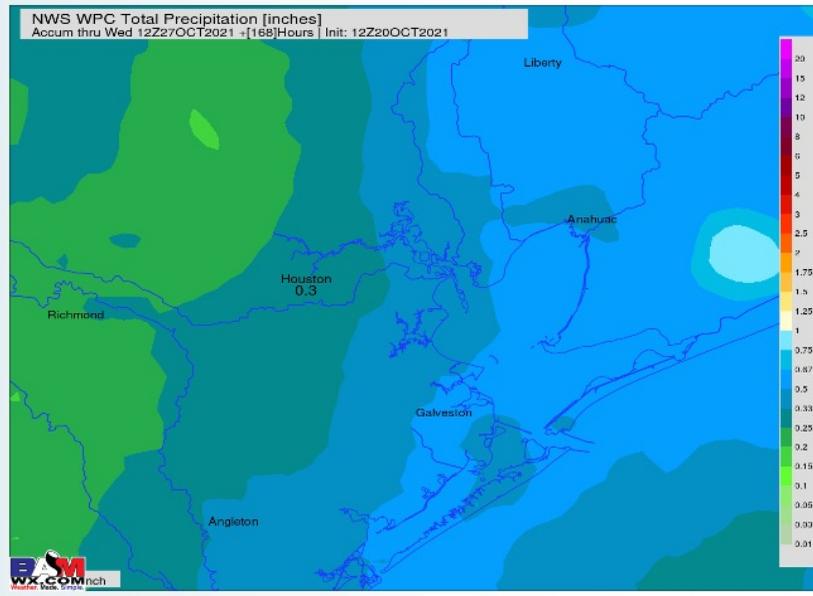
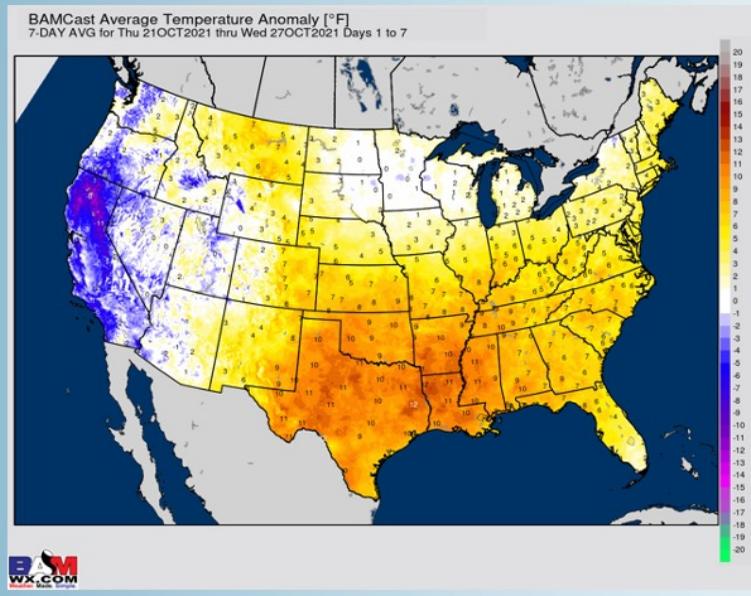
Long-Range Forecast Discussion

- 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.

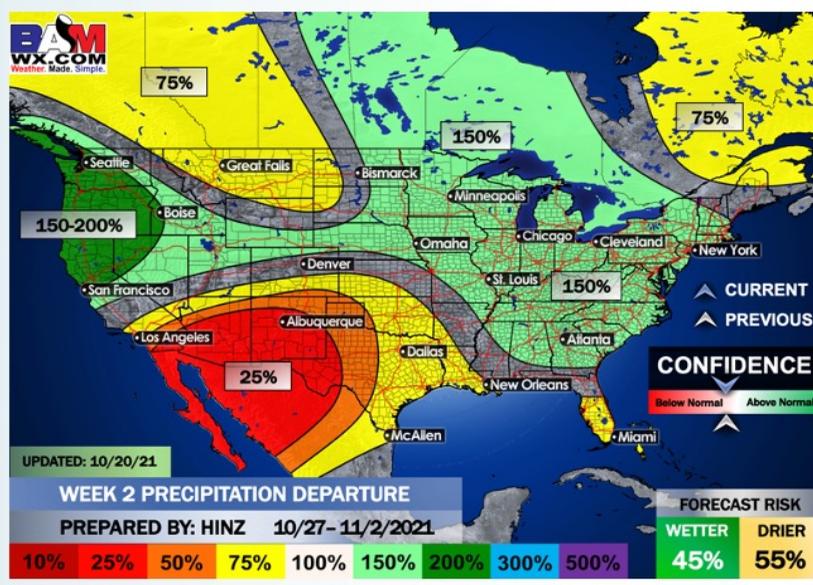
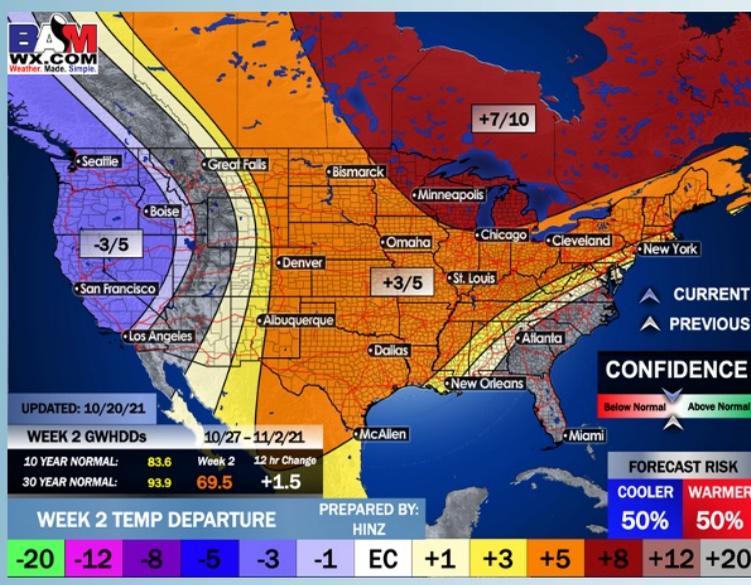
- The week 2 timeframe is expected to have above average temps with slightly below average risks for precip. Not eyeing a specific threat for a tropical storm or hurricane at this distance.

- 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

