

Houston Pilots Forecast Package



Updated: 3:00 PM CT

Thursday, December 16, 2021

Forecaster: Vince Bryan

Weather Headlines

- Continuing to keep an eye on the patchy lower visibility potential this evening through tomorrow morning.
- Latest data is suggesting Friday evening's-Saturday AM's threat for fog looks stronger.
- Anticipating a generally quieter rest of the work week with only minor chances of rather light pockets of drizzle/light showers.
- Watching Saturday AM for a front to work through the area and provide precip chances + eliminate the fog threat into early next week.



Radar/ NWS Alerts: 3:00 PM CT



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.

Houston Pilots Extended Range Visibility Report



Sunday, 12/19/21

With elevated winds out of the N/NE, currently not anticipating fog at our stations on Sun.



Monday, 12/20/21

With winds still out of the north on Mon, currently not anticipating fog at our stations for Mon AM.



Tuesday, 12/21/21

Tuesday's winds look to be out of the NE, so fog is not favored at this distance.



Daily Fog Chance

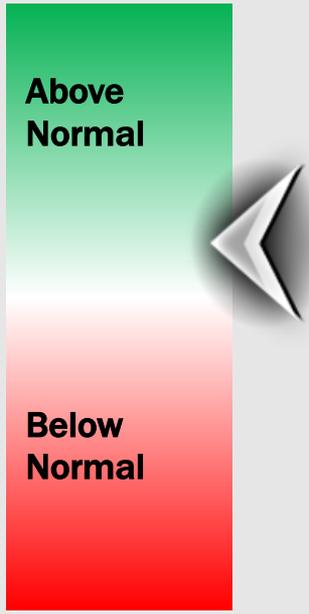
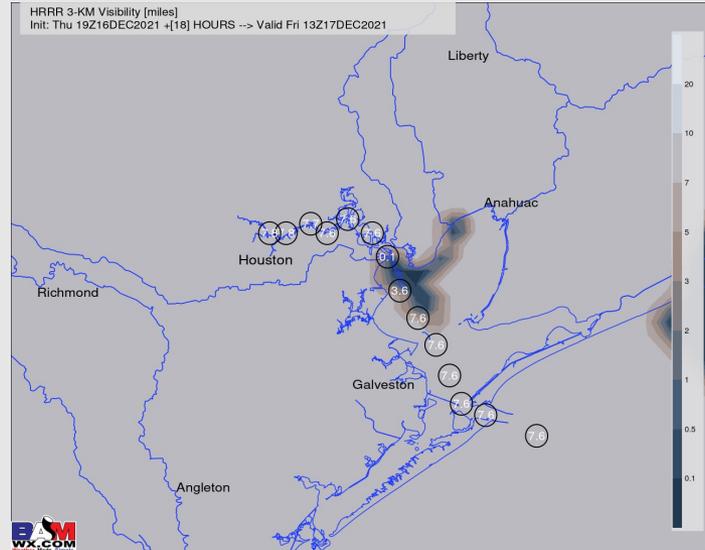
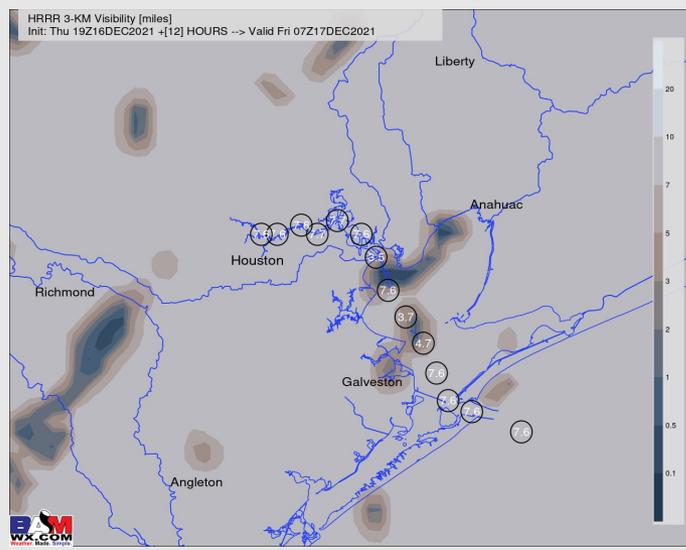
Sunday AM	Unlikely
Monday AM	Unlikely
Monday AM	Unlikely

Houston Pilots Visibility Report



2 AM CT FRI Visibility (miles) 7 AM CT FRI Visibility (miles)

Confidence



Fog Threat

CURRENT - 9 AM FRI **Medium**

- Through the rest of the afternoon/ early evening, any reduced visibility would likely be coming via visibilities of 3-6 miles thanks to a lower cloud deck, but any fog is favored to stay East of the boarding station.
- As it stands now, the potential for sea fog to try and build back in would not happen until around the midnight timeframe tonight. This will be possible for stations South of Morgan's Point. With this said, we think the potential for patchy fog remains on the lower end. We cannot completely take the threat out of the forecast, but think this is a lower risk compared to conditions a few days ago, and would be more like last night (WED night).
- If any fog is actually able to form, this would likely fade by 9 AM (model data above shows the *patchy* potential if fog is able to develop).

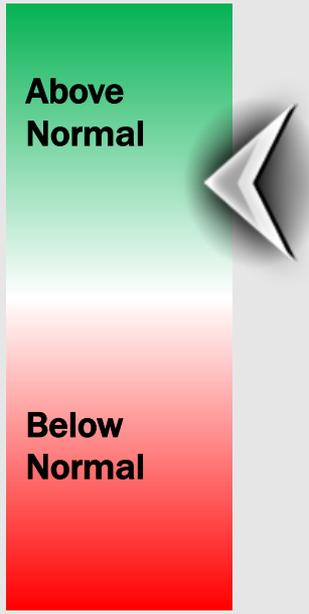
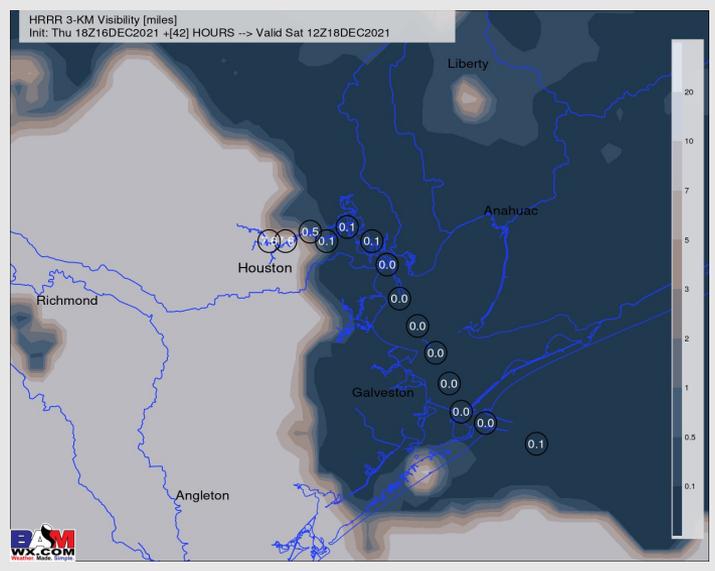
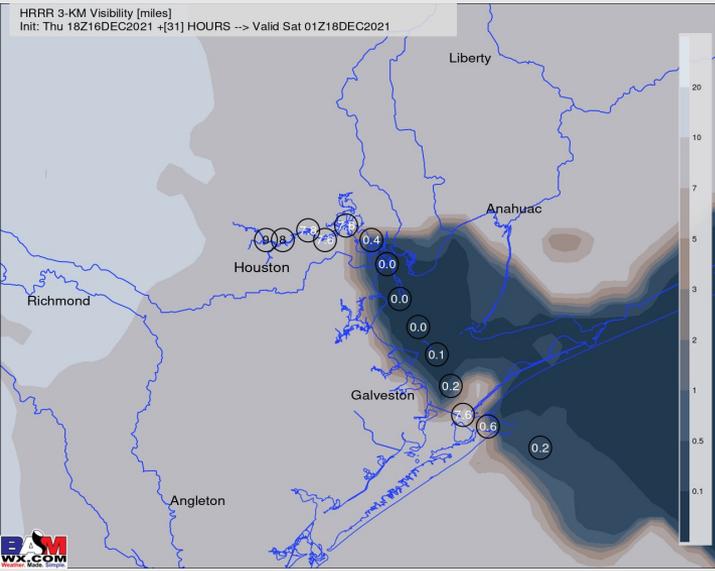
Houston Pilots Visibility Report



10 PM CT FRI Visibility (miles)

10 AM CT SAT Visibility (miles)

Confidence



Fog Threat

9 PM FRI - 10 AM SAT

Medium - High

- Timing will certainly need to be refined in future updates, but confidence is a bit higher than normal that late Friday night into Saturday morning we could be looking at a setup of more widespread dense fog around the area out ahead of the front.
- As it stands now, we believe the 9 PM Friday - Midnight window needs to be watched for patchy, dense fog to increase at the Southern stations before expanding north. Several pieces of data suggest that the 3 - 10 AM window could be the best opportunity for dense, widespread fog.
- Visibilities of <1 mile will be possible (if not likely) for most stations. With this potential event being over 24 hours out we will have to watch trends, but there is a rather strong signal for data this far out.

Houston Pilots: Thu. 12/16/2021



Forecast Discussion

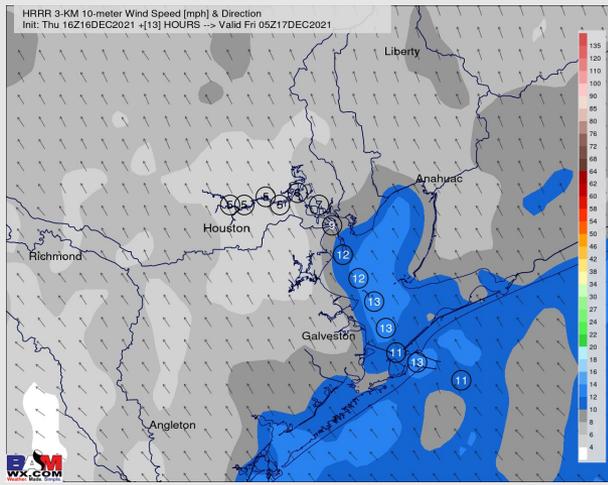
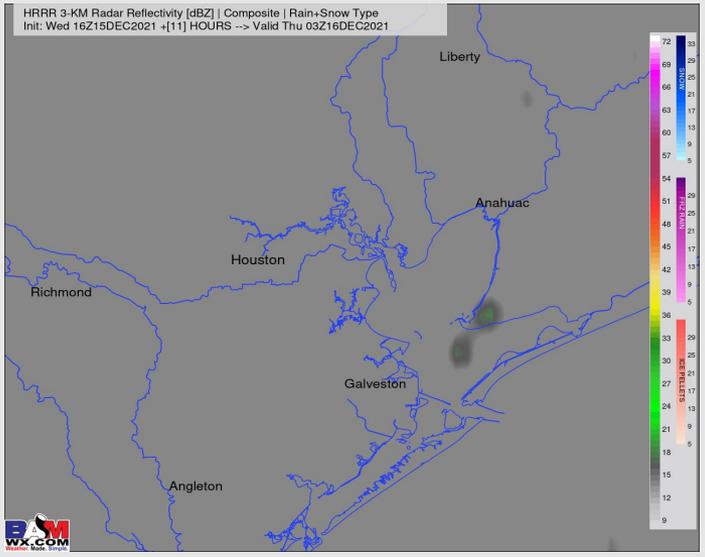
Precip: Overall drier weather is favored with an outside 10-20% chance of a pocket of drizzle/sprinkles possible into the evening hours.

Wind: Sustained winds for the rest of the day look to be 8-13 MPH out of the SE with occasional 13-18 MPH gusts possible throughout the day at the boarding station.

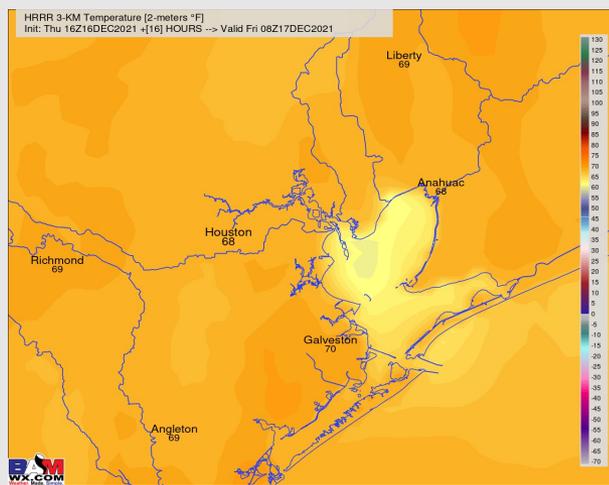
Temps: Low temps look to drop back into the upper 60s /lower 70s.

Visibility: See slides above for more info on fog this evening.

Precip Forecast: 9 PM CT



Wind Speed
11 PM CT



Low Temps
This Evening

Houston Pilots: *Fri. 12/17/2021*



Forecast Discussion

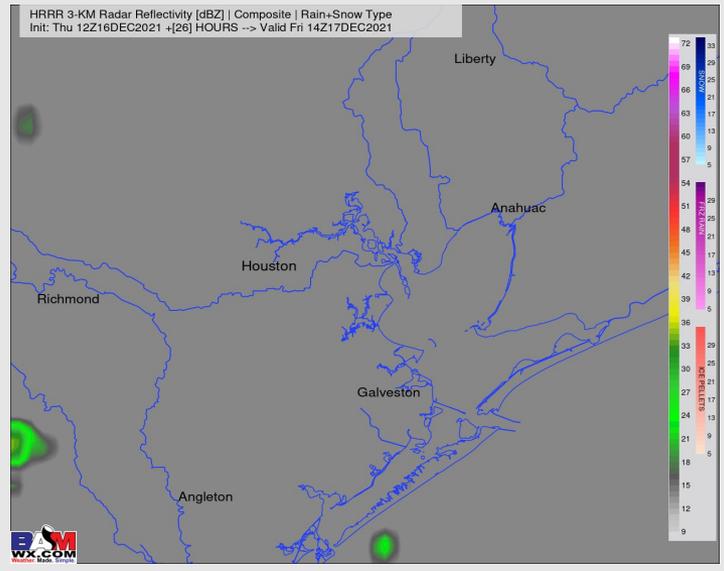
Precip: Again, a 10-20% chance of a few spotty pockets of sprinkles are possible at just about any point on Fri. Any precip would likely be rather brief and quite light.

Wind: Sustained winds look to be 8-13 MPH out of the SE for most of the day at the boarding station. Gusts 13-18 MPH will be possible as well.

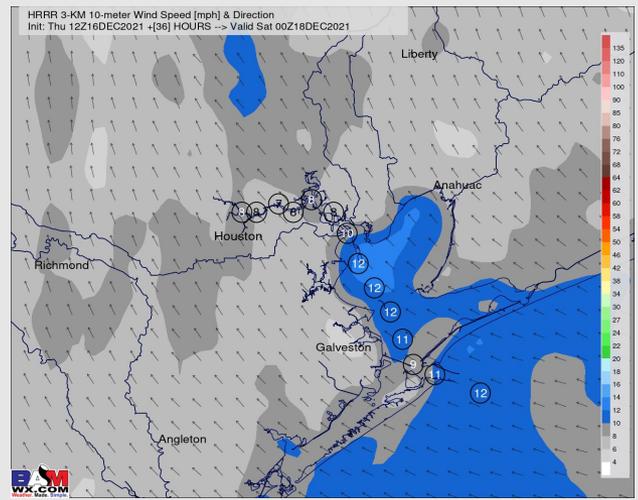
Temps: High temps look to be in the upper 70s to low 80s F on Thu.

Visibility: Check slides above for more details on fog potential.

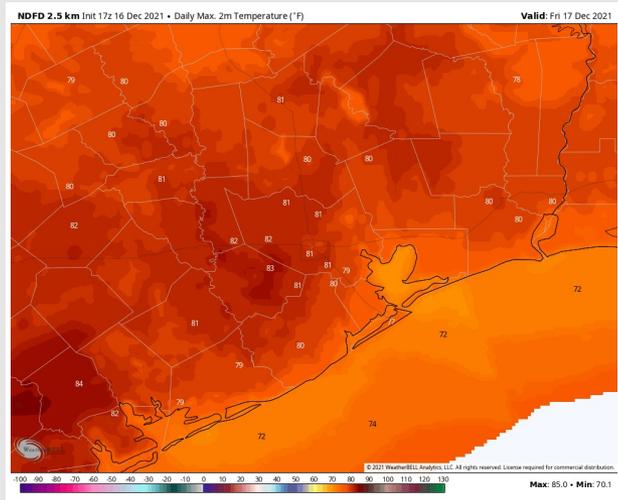
Precip Forecast: 10 AM CT



Wind Speed:
6 PM CT



High Temps
Friday



Houston Pilots: Sat. 12/18/2021



Forecast Discussion

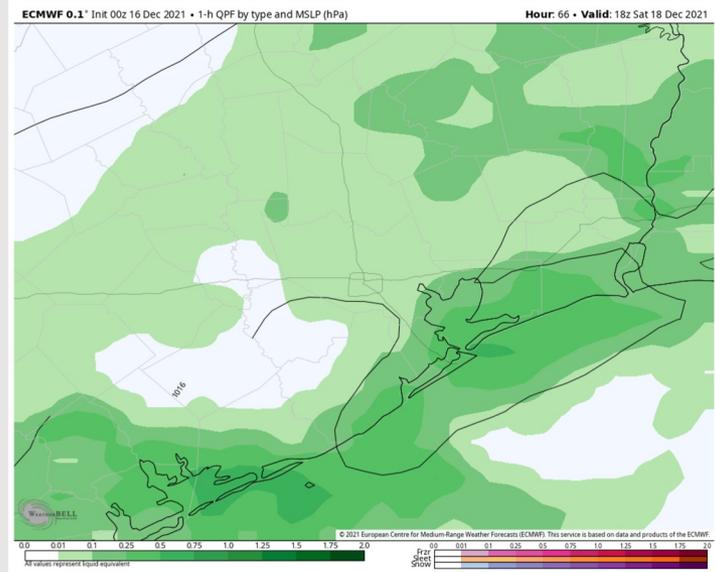
Precip: With a front passing in the late morning hours, precip is expected to begin ahead of the front ~5-7AM and continue throughout the day until chances decrease ~7 PM.

Wind: Calm winds begin out of the S before the passing of the front, changing wind directions to be out of the NW ~11AM. Winds shift again out of the NE in the afternoon hours and pick up to be 20-25MPH, with gusts up to 36MPH.

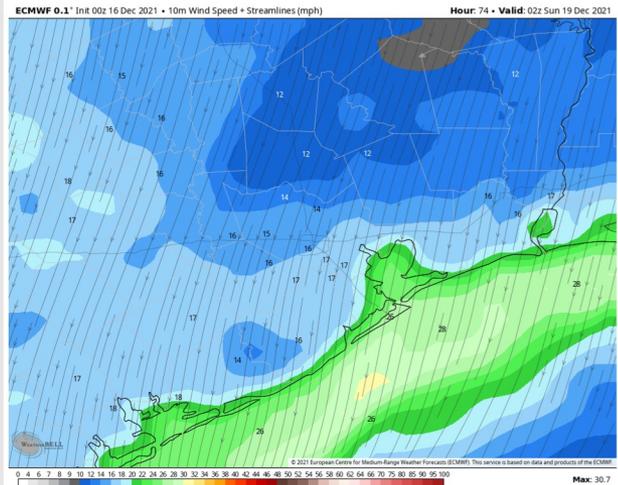
Temps: High temperatures Sat look to be in the upper 60s before the passing of the cold front.

Visibility: Visibility may be reduced throughout the day from showers.

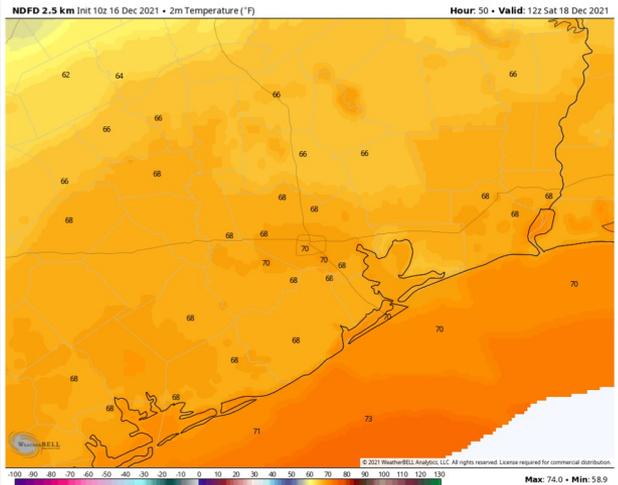
Precip Forecast: 12 PM CT



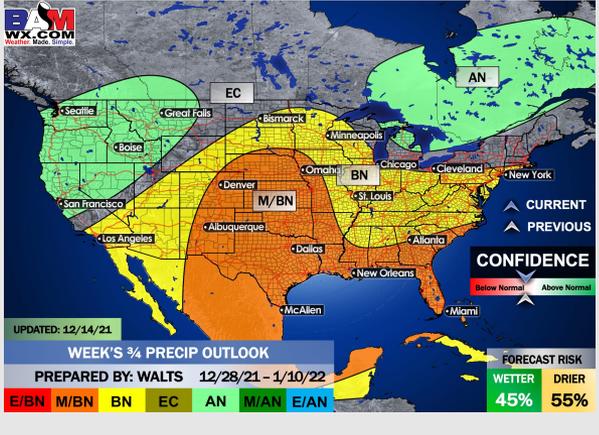
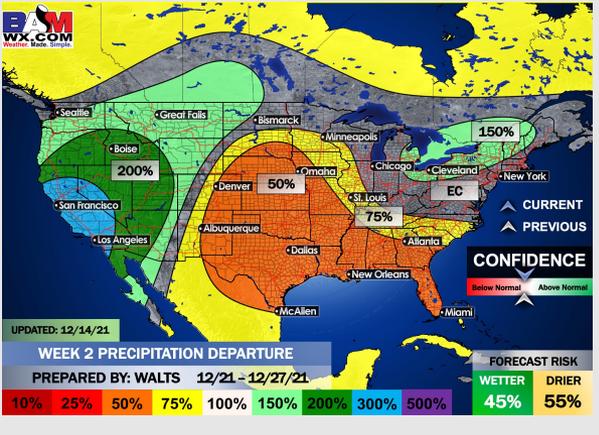
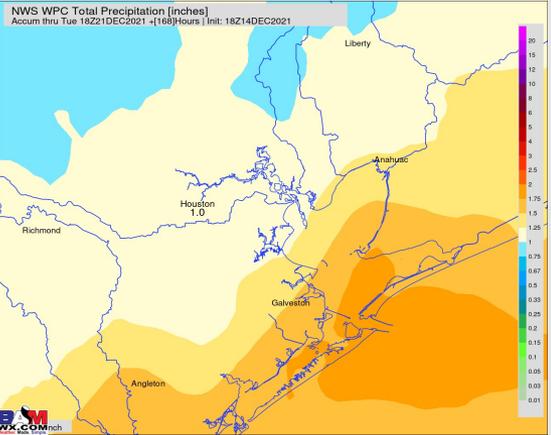
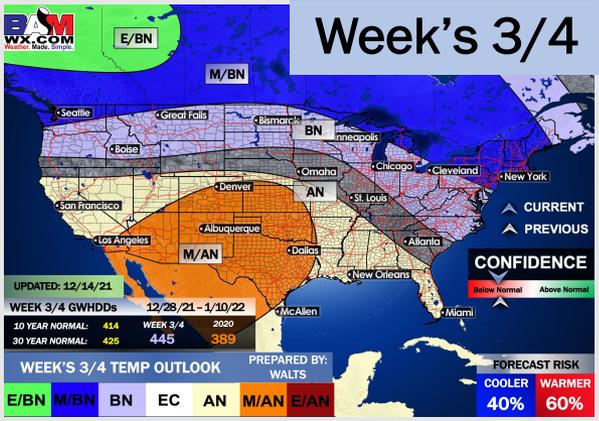
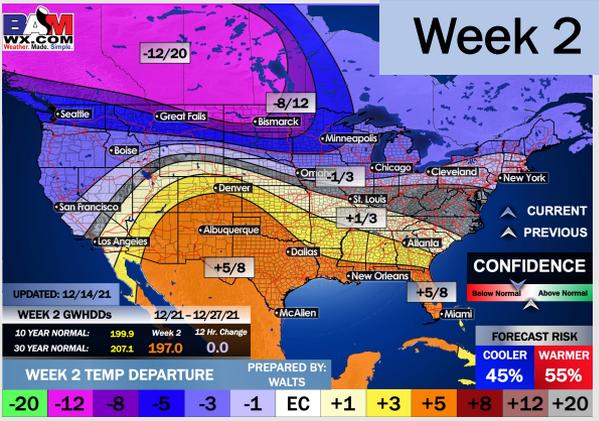
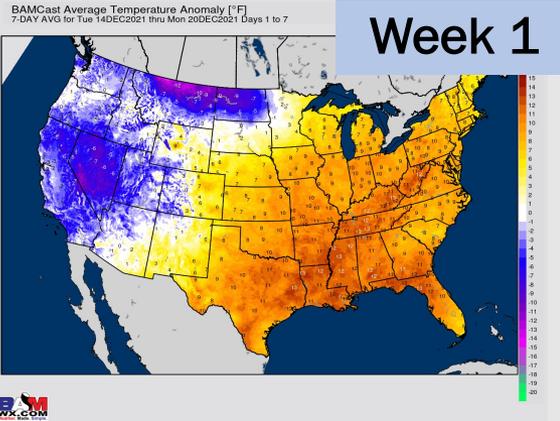
Wind Speed
8 PM CT



High Temps
Saturday



Houston Pilots: 12/16/21



- Minor precip chances over the next few days thanks to the return of onshore flow and low level moisture. Better chances of seeing precip come with a front on Saturday. Temps remain above average this week.
- The week 2 timeframe is expected to have above normal temperatures and below normal risks for precipitation.
- Right now, we are favoring above normal risks for temperatures and near normal to below normal risks for precip for the end of December and the first week of Jan.