

Houston Pilots Forecast Package



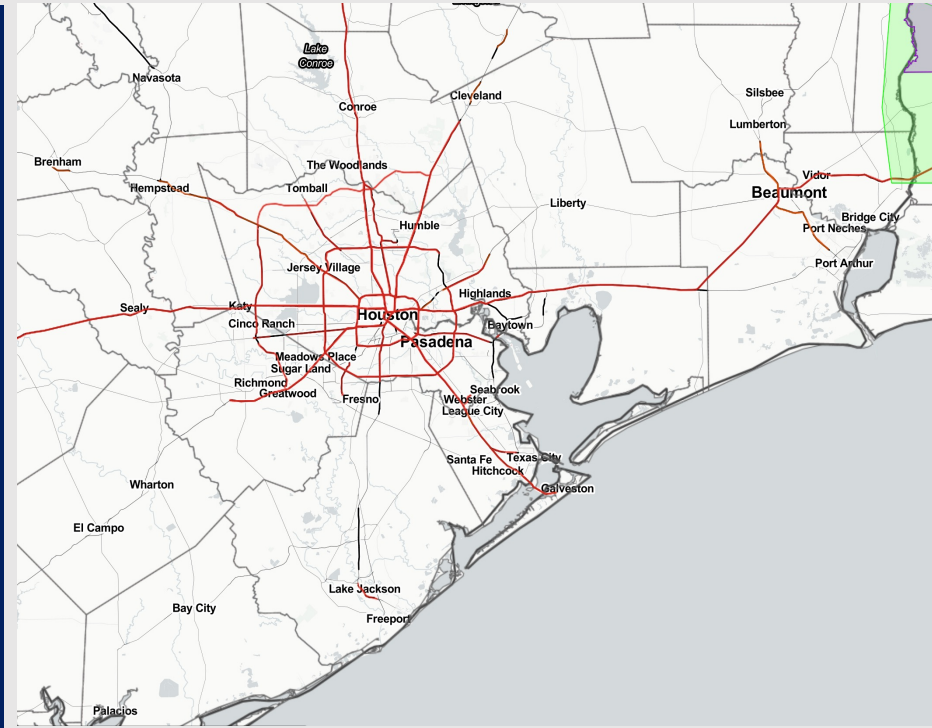
Updated: 1:00 PM CT

Tuesday, December 27, 2022

Forecaster: Vince Bryan

Weather Headlines

- Favoring mostly dry conditions the next 36 hours with rain chances returning late Wednesday night. Highest risk for rain comes Thursday into first 1/2 of Friday, before a drier weekend.
- **Reduced visibility concerns work back into the picture late Wednesday as winds turn out of the S for the next several days. Whether reduced visibility comes in the way of fog/ precipitation/ very low clouds....etc. still needs refined, but the threat for poor visibility will be on the table Thursday – Sunday.**
- Temps will remain above normal after ~Wednesday.



Radar/NWS Alerts: 1:00 PM CT



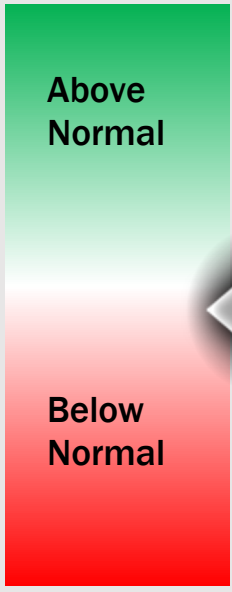
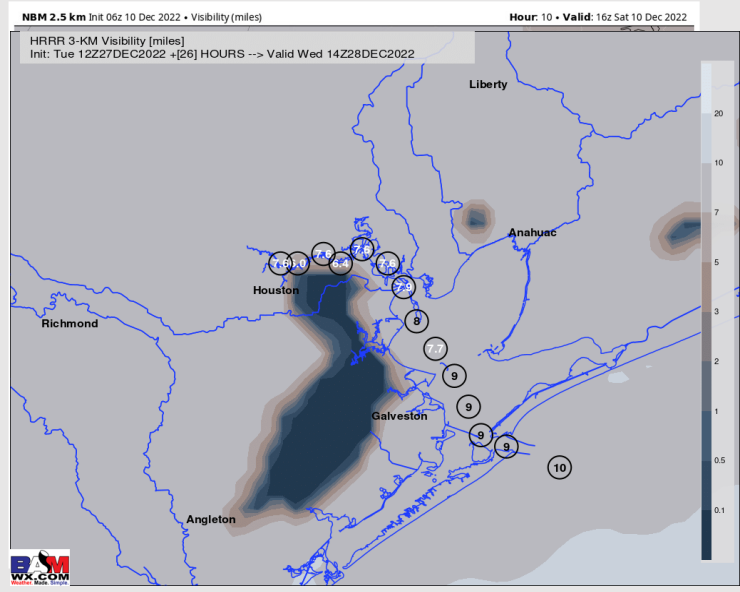
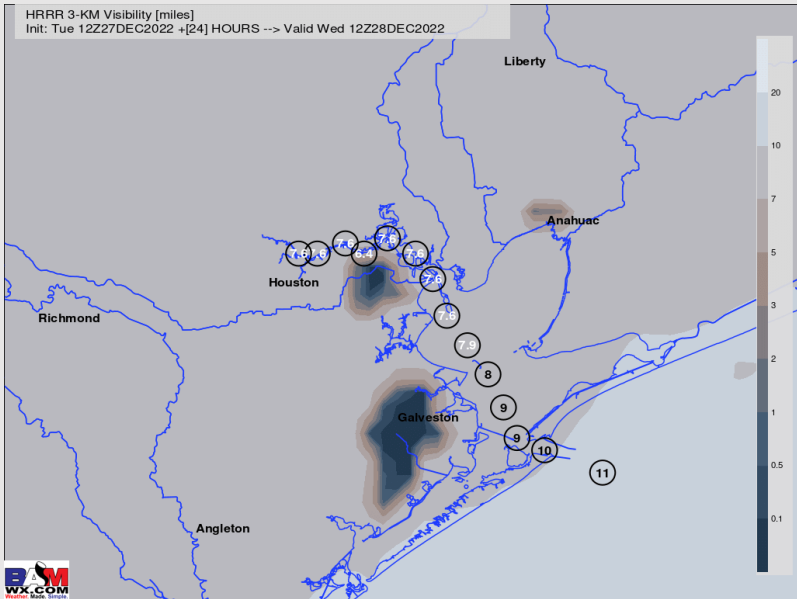
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



6 AM CT WED VISIBILITY 8 AM CT WED VISIBILITY

Confidence



TIME	THREAT
5 AM – 10 AM WED	LOW

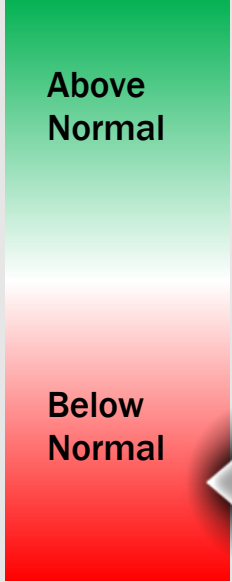
- A rather low end threat for *patchy* “inland” fog exists for stations N of Morgan’s Point for Wed AM (30-40% chance of occurrence).
- The best threat for a reduction in visibility comes 5 – 10 AM before lifting for the morning.
- Overall, this threat appears rather low and something that we do not favored to be widespread IF we are able to see development.

Houston Pilots Visibility Report



8 PM CT WED VISIBILITY 7 AM CT THU VISIBILITY

Confidence



No model future visibility to show this threat, thus why lower than average confidence exists.

TIME	THREAT
8 PM WED – Daybreak THU	MEDIUM

- Low confidence continues on the potential for fog beginning shortly after sundown on Wednesday.
- While there is no simulated model visibility to show the threat for fog, there are multiple "ingredients" at play that would suggest there is at least a risk for patchy sea fog at all stations beginning after sundown on Wed.
- The direction of the winds and precip potentially in the area are two reasons why confidence on specifics stays low, but we do believe the threat is at least there even with no model support.

Houston Pilots Extended Range Visibility Report



Friday 12/30/22

Reduced visibility is certainly possible with rain likely still around the area. Data is suggestive for fog being on the table.



Saturday 12/31/22

Fog risk will continue into Saturday, although at this distance the opportunity is slightly lower than Thu/Fri.



Sunday 1/1/23

Fog risk will continue into Sunday, as winds will be from the S in a favorable 10 – 15 kt range.



Chance for Reduced Visibility

Friday AM	Possible
Friday PM	Possible
Saturday AM	Possible
Saturday PM	Possible
Sunday AM	Possible
Sunday PM	Possible

Houston Pilots Visibility Report



Time	Tue 11am	Tue 12pm	Tue 1pm	Tue 2pm	Tue 3pm	Tue 4pm	Tue 5pm	Tue 6pm	Tue 7pm	Tue 8pm	Tue 9pm	Tue 10pm	Tue 11pm	Wed 12am	Wed 1am	Wed 2am	Wed 3am	Wed 4am	Wed 5am	Wed 6am	Wed 7am	Wed 8am	Wed 9am	Wed 10am	Wed 11am	Wed 12pm	Wed 1pm	Wed 2pm	Wed 3pm	Wed 4pm	Wed 5pm	Wed 6pm	Wed 7pm	Wed 8pm	Wed 9pm	Wed 10pm			
610 Bridge	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	6	7		
Kinder 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	7	7		
Greens Bayou	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	8	
Shell Crude	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	
Lynchburg Ferries	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	
Exxon 3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	
Morgans Point	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	
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Please check visibility slides above for official thinking on fog as the chart isn't 100% perfect.

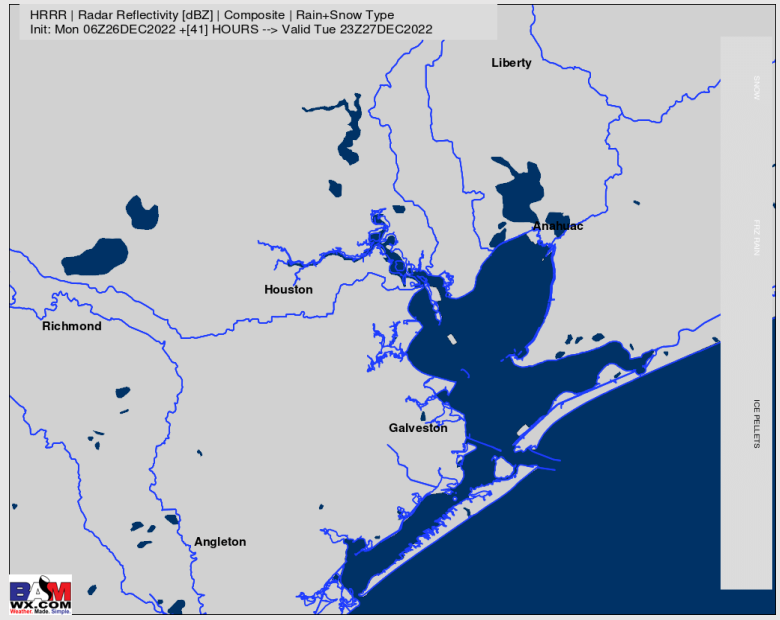
Houston Pilots: Tue. 12/27/2022



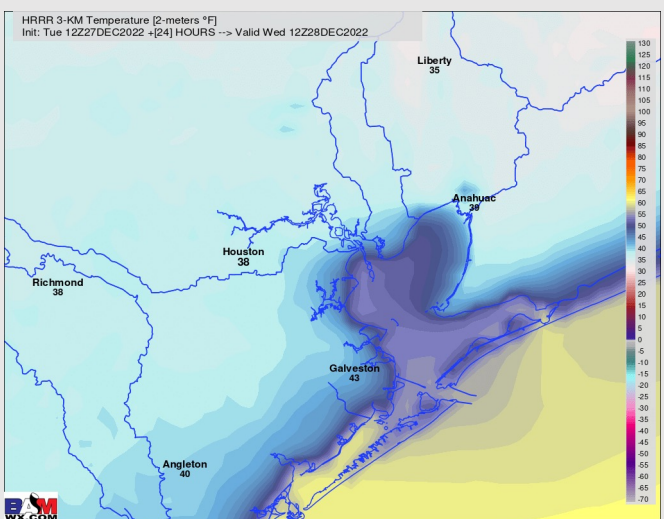
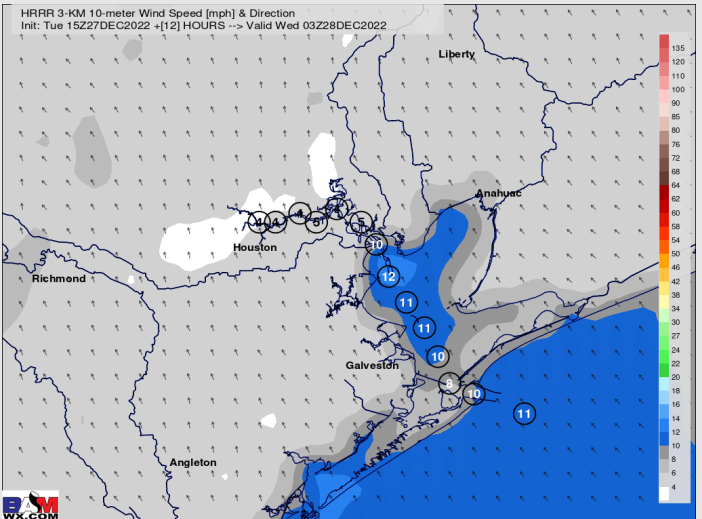
Forecast Discussion

Precip Forecast: 8 PM CT

- Precip:** The rest of today will not see precipitation.
- Wind:** Winds flip to out of the South by ~5 PM and continue as such through the evening hours. Winds calm a bit over the next few hours to 8-13 knots.
- Temps:** Lows will be in the upper 30s for far northerly stations, closer to the upper 50s for the boarding station.
- Visibility:** Not anticipating any visibility concerns at this time.



Wind Speed 9 PM CT



Low Temps Tonight

Forecast Discussion

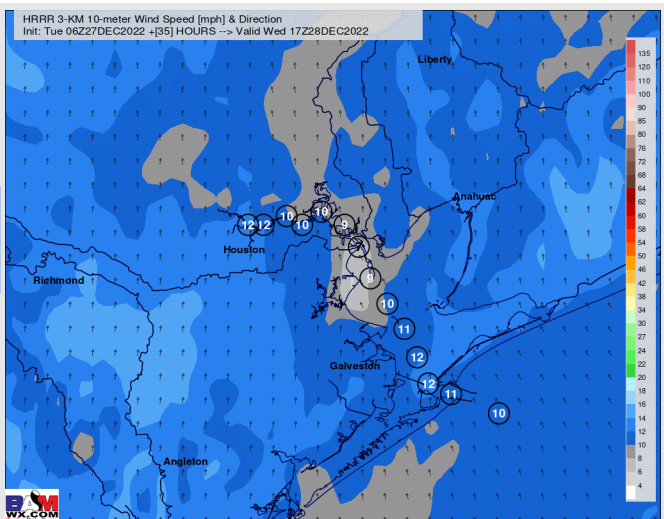
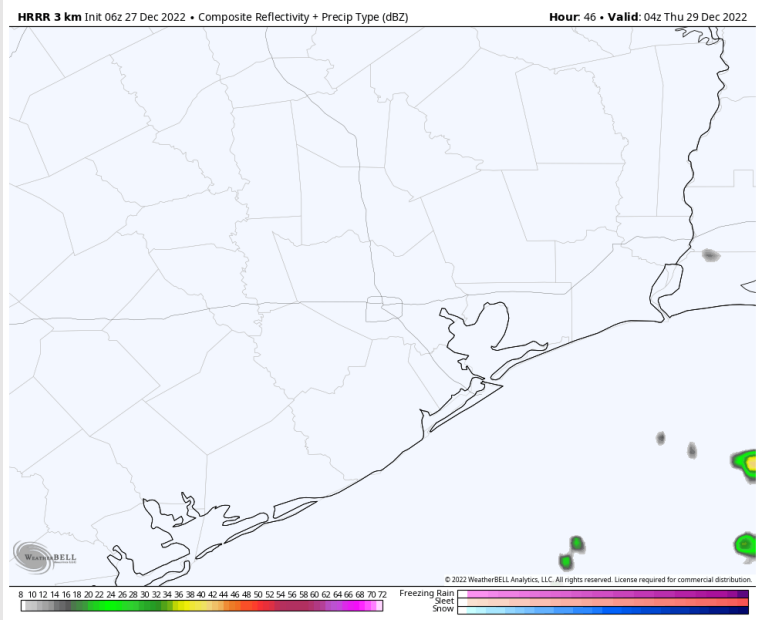
Precip: Most of Wednesday is dry. It's after the ~8 PM timeframe where a few isolated ~20% showers can start to work into the boarding station area. Most data delays precip until early THU AM.

Wind: Winds will consistently be out of the SE Wednesday. The morning hours sees sustained winds 5-10 knots, while the afternoon hours are more 8-13 knots with gusts to 15 knots.

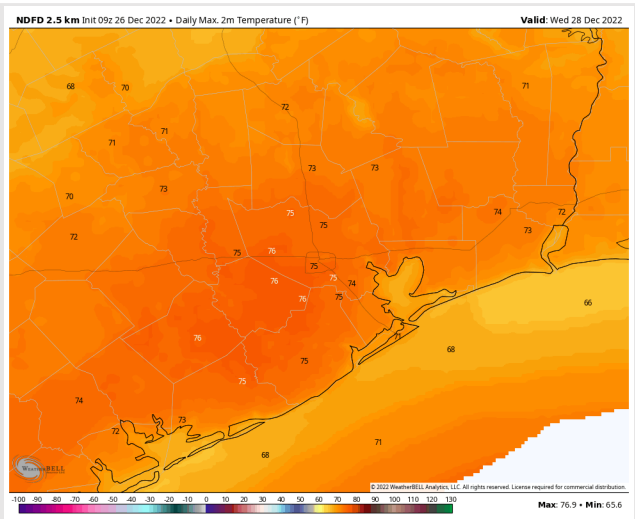
Temps: Wednesday will be much warmer, highs in the upper 60s to lower 70s.

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

Precip Forecast: 11 PM CT



Wind Speed
11 AM CT



High Temps
Wednesday

Houston Pilots: Thur. 12/29/2022



Forecast Discussion

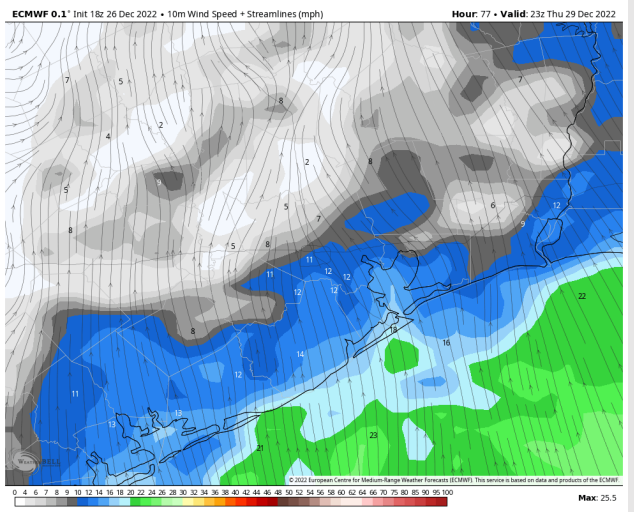
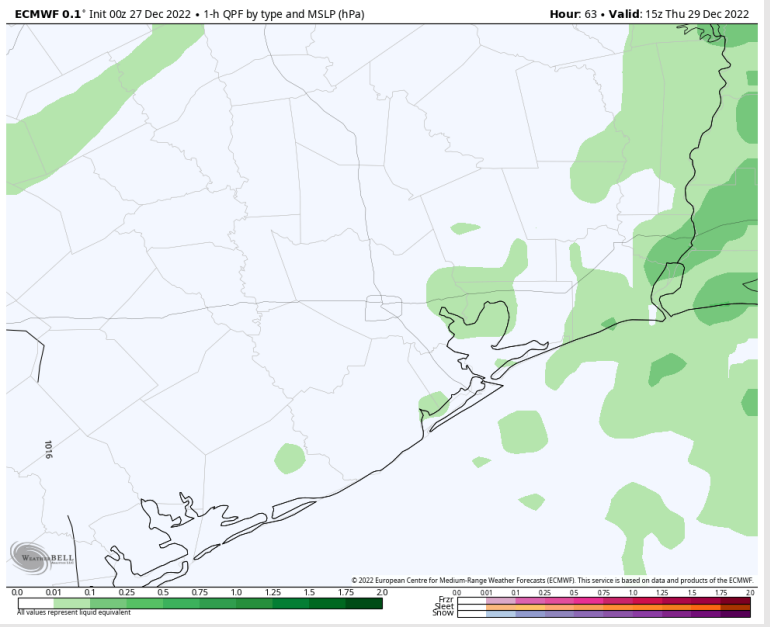
Precip: Anticipating pockets of light to moderate rain showers around the area through 4 PM (there will be breaks in the rain over the day). After ~mid afternoon, coverage looks to increase some and chances pick up closer to 70% for the evening.

Wind: Sustained winds from the SSE for the entire day. Winds will be around 10 – 15 kts across all station with a couple of pockets reaching 18 kts, especially south of Morgan’s Point between 8 PM – 12 AM. Gusts of 15-20 kts will be possible across all stations, mainly between 11 AM and 3 PM.

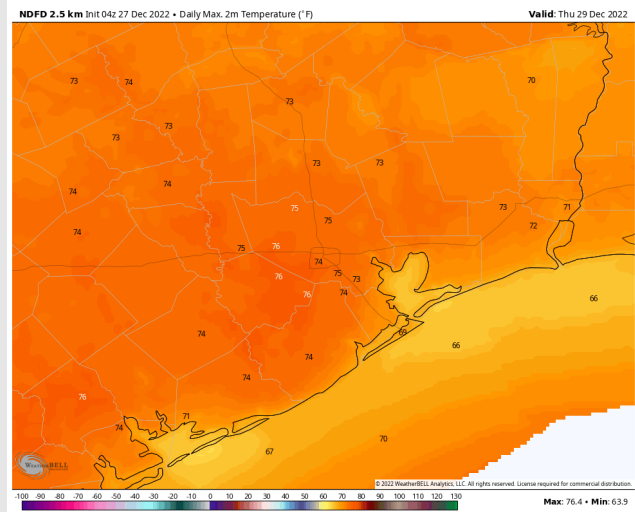
Temps: High temps Thursday will be in the Mid 70s F north of Morgan’s Point and in the mid 60s to near 70 F south of Morgan’s Point.

Visibility: Areas of low clouds / fog / rain showers will be likely through the day and lead to reduced visibility. Lower confidence continues on the exact details of timing, reduced visibility type, if winds are too strong for fog....etc. The threat for a reduction in visibility will be present most of the day.

Precip Forecast: 9 AM CT

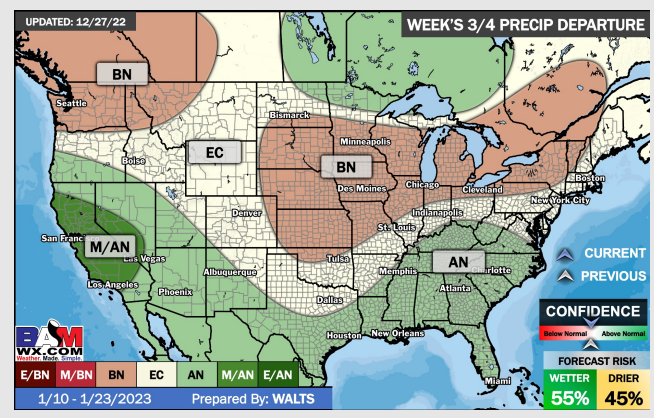
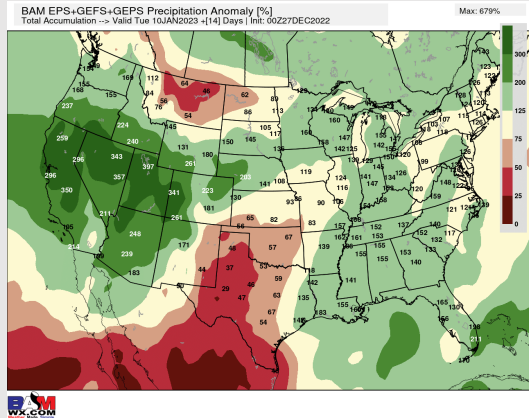
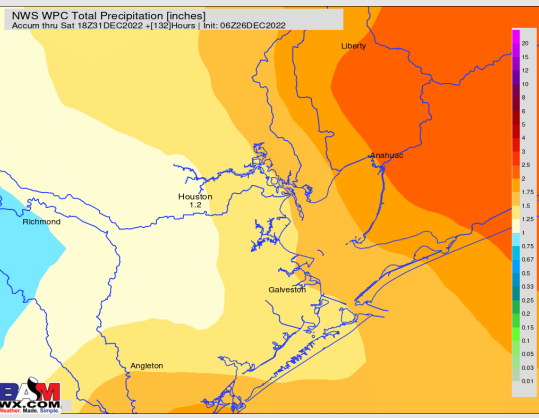
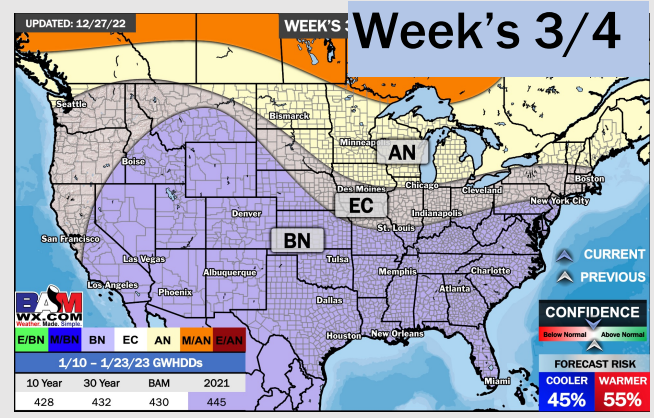
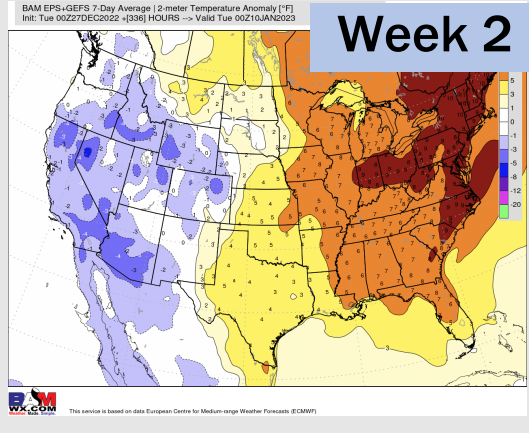
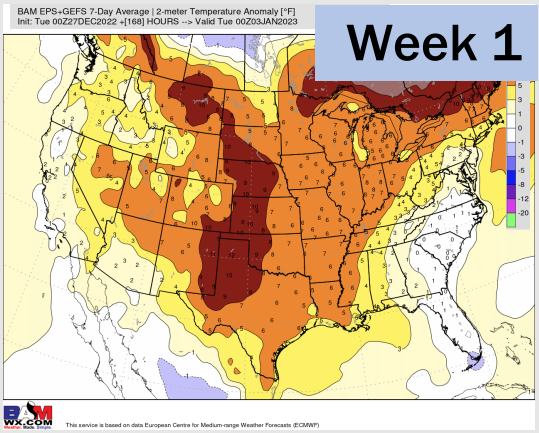


Wind Speed
5 PM CT



High Temps
Thursday

Houston Pilots: 12/27/22



- An overall dry forecast is expected the next few days with the better shot for rain moving in Thursday (low chances late Wed). Temperatures rise to above average to end the year.
- Week 2 precipitation is expected to be above normal for the week 2 timeframe. Temperatures are to be much above normal.
- Above normal moisture and cooler weather is expected in the weeks 3/4 timeframe.