

Houston Pilots Forecast Package



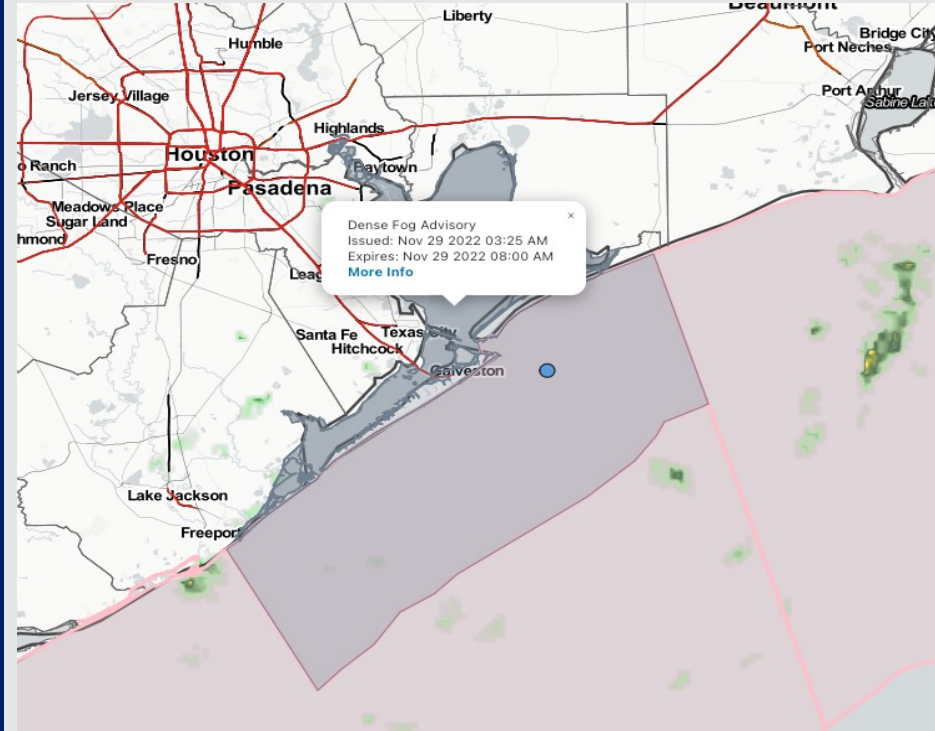
Updated: 5:00 AM CT

Tuesday, November 29, 2022

Forecaster: Vince Bryan

Weather Headlines

- Anticipating scattered showers and storms in a hit-or-miss fashion today. Favoring dry conditions for Wednesday and Thursday.
- Eyeing rather gusty winds after a cold front passes the area Wednesday AM. Gusts of 25-30+ knots will be possible at the boarding station Wednesday.
- Patchy and dense fog ongoing this morning with the potential for fog in spots to linger into Wednesday AM. More details on the slides below. Anticipating improvements in visibility Wednesday post-daybreak and Thursday.
- Eyeing additional fog threats toward the end of the week/weekend.



Radar/NWS Alerts: 5:00 AM CT



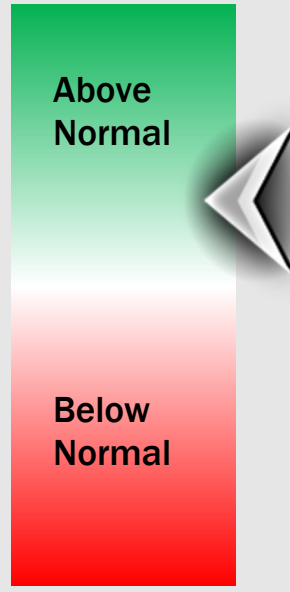
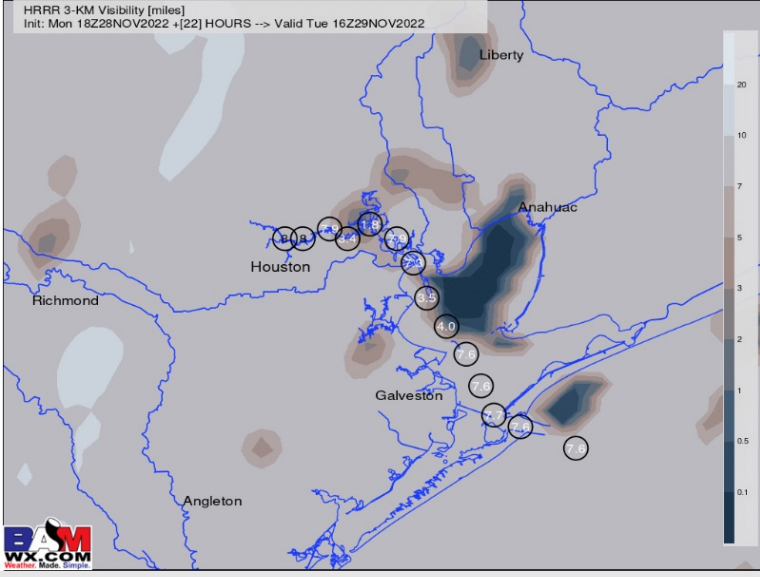
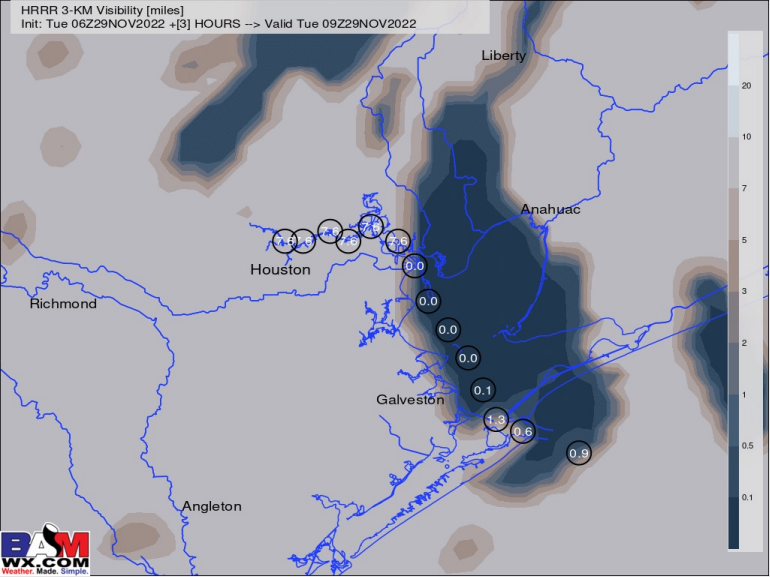
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

Houston Pilots Visibility Report



6 AM TUE Visibility 10 AM TUE Visibility

Confidence



Reduced Visibility Threat

NOW – 4 PM TUE Medium

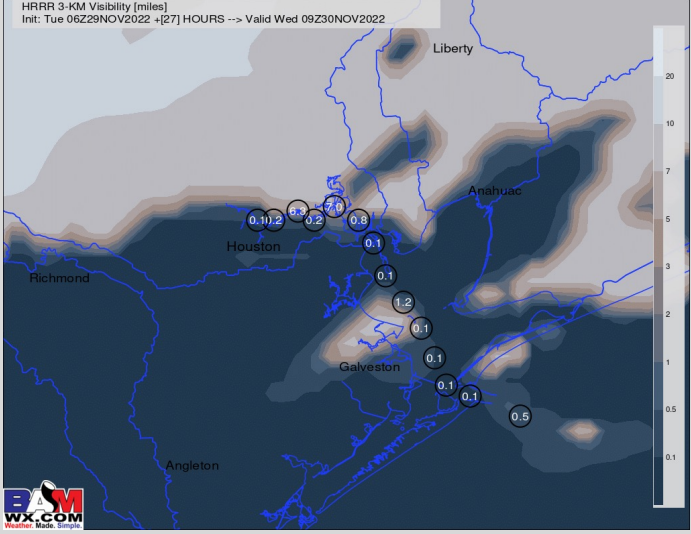
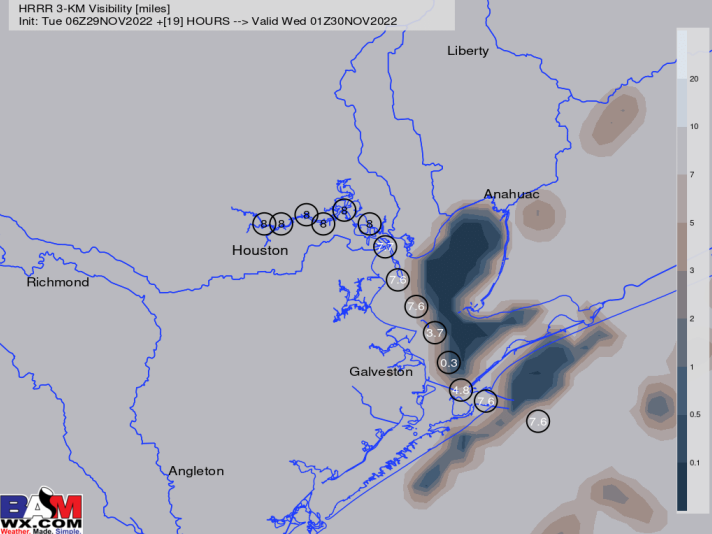
- Ongoing widespread, dense fog will continue to be a threat out through the mid-morning hours (~9-10 AM) when the potential for fog will still continue afterwards, **however the chance for fog is lower and any fog would likely be a bit more broken/patchy in nature.**
- Scattered showers + a lower cloud deck in the late AM/early PM will still lead to lower visibility, but 10AM – 5 PM looks to be a window where most stations are looking at visibilities of 2-5 miles. **But to re-iterate, there is still a chance that fog lingers in patchy areas in this period.**
- Winds will also increase in this period and will help keep the fog chances lower than early Wed AM as discussed on the following slide.
- Eyeing the early evening hours (~5-7 PM Tuesday) window where fog can slowly start to increase across the area and lead to more issues.

Houston Pilots Visibility Report



5 PM TUE Visibility 5 AM WED Visibility

Confidence



Reduced Visibility Threat
5 PM TUE – 7 AM Wed **Medium**

- As noted in the slide above, eyeing the ~5-7 PM timeframe Tuesday where the potential for more dense / widespread fog would start to increase again.
- Within the overall Tuesday PM to Wednesday AM window, the highest overall risk for the most widespread and most dense fog comes between 2 AM and 6 AM Wednesday before the front passes.
- Currently targeting the ~7 AM timeframe Wednesday as a cold front will sweep through the area and turn the winds out of the N and eliminate the fog threat.
- This threat for fog and less than 1 mile visibility exists for all stations.

Houston Pilots Extended Range Visibility Report



Friday 12/2/22

Pending how quickly some of the winds can turn out of the SE, Friday AM could be the start of a multi-day stretch where fog will be possible. Best risk of now would be Friday evening into Saturday AM, but more details need ironed out on specifics.



Saturday 12/3/22

Favorable wind pattern for fog with winds from the SE to SSE on Saturday. While the AM hours initially look a little dry, spotty showers will work their way towards the region with relatively calm winds (3 – 7 kts) in the afternoon. Air will become much more saturated at the low levels with the onset of spotty showers.



Sunday 12/4/22

Continued SE flow with scattered showers filling in during the late morning hours hint at a favorable fog setup. Towards the evening hours, spotty shower chances clear the region, but plentiful low-level moisture and SE flow will allow for fog potential. Winds of around 10 kts support sea breeze transport fog potential as well.



Chance for Reduced Visibility

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

Houston Pilots Wind Report



Example

Sustained wind 13 Knots
Gusts 18 Knots
Wind from the N

WS: 13
G:18
N

Time Knots	Tue 3am	Tue 4am	Tue 5am	Tue 6am	Tue 7am	Tue 8am	Tue 9am	Tue 10am	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	
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Kinder 1	6	7	7	6	6	7	9	10	11	11	11	10	9	10	7	8	7	7	5	5	4	4	4	4	5	7	10	11	11	12	13	13	12	12	12	12	
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Greens Bayou	6	7	6	6	6	7	9	10	11	11	11	9	10	10	7	8	7	6	5	5	4	4	3	4	5	7	10	11	11	12	13	13	13	12	12	12	
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See slides below for official thoughts on winds.

Houston Pilots: Tue. 11/29/2022



Forecast Discussion

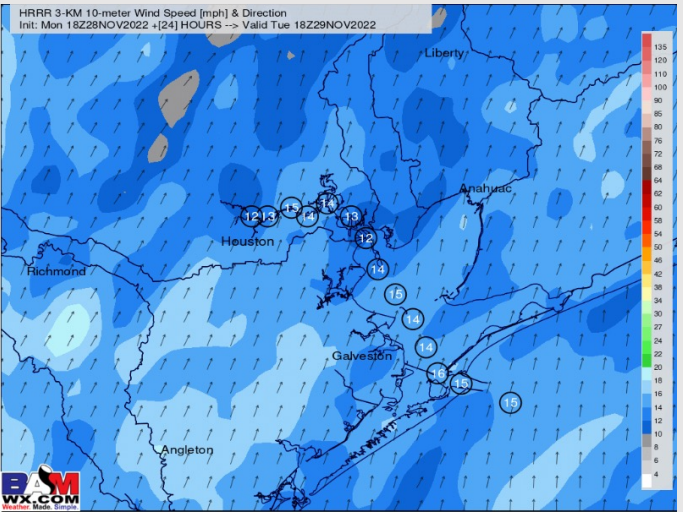
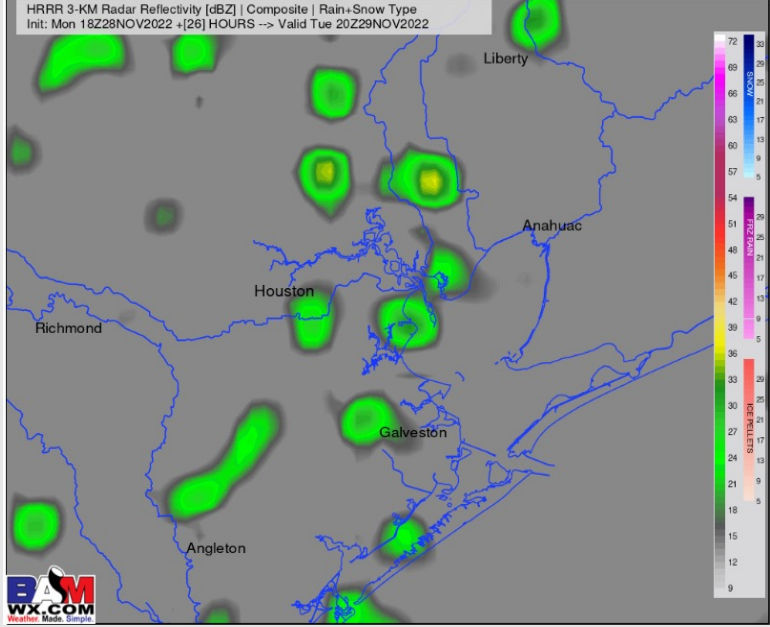
Precip: Scattered, hit and miss showers will continue to work through the area at ~60% chance given the spotty nature. Chances will continue through 5 PM, where shower/storm chances decrease to 30% until 10 PM. Favoring only a few pockets of drizzle/ very light rain heading into the overnight.

Wind: Winds will be out of the S/SSW most of the day. Winds N of Morgan's Point will be 5-10 kts and S of Morgan's Point will be 8-13 kts this morning . Around 11 AM winds will pick up and be 10-15 kts across all stations (a few gusts 15-20 kts will be possible). Around 8 PM winds will begin to calm to 6 – 10 kts N of Morgan's Point and 10 – 14 kts S of Morgan's Point.

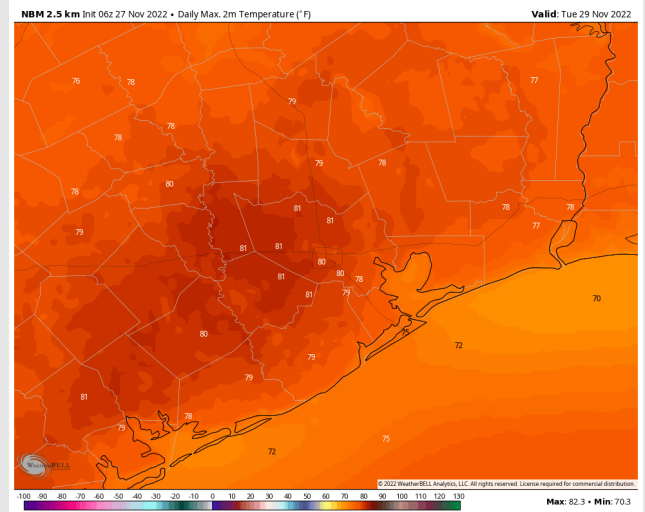
Temps: High temps will be near 80 F N of Morgan's Point and low/mid 70s F S of Morgan's Point.

Visibility: See slides above for more information.

Precip Forecast: 2 PM CT



Wind Speed
12 PM CT



High Temps
Tuesday

Forecast Discussion

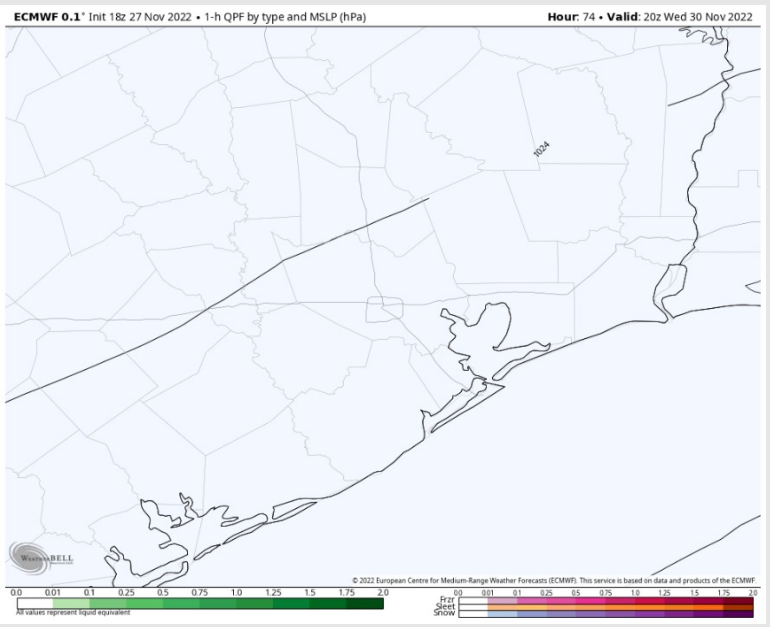
Precip: A slight chance (~20%) for leftover showers at the boarding station through ~7 AM exists. The rest of Wednesday looks dry.

Wind: SW winds near midnight will gradually shift to N/NNE by 9 AM and remain as such for the rest of the day. By 10 AM winds N of Morgan's Point will be at 10 – 16 kts and S of Morgan's Point will be elevated at 15-20 kts. Winds at the Boarding station will be near sustained at 20-25 kts. Wind gust of up to 25-30 kts will be possible across all stations, mainly from 9 AM – 2 PM.

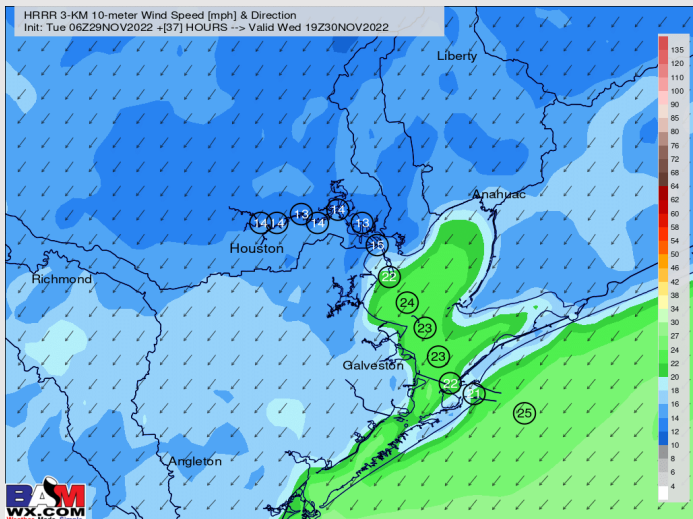
Temps: High temps Wednesday will be in the mid 60s F across all stations, Boarding station will be in the upper 60s F.

Visibility: Patchy fog will continue to be possible before daybreak, however the cold front likely ushers any fog out of the area around daybreak. More on the slides above.

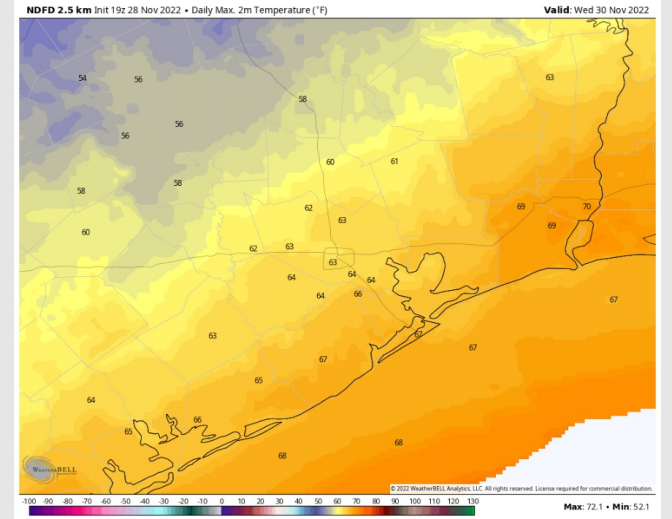
Precip Forecast: 2 PM CT



Wind Speed
11 AM CT



High Temps
Wednesday



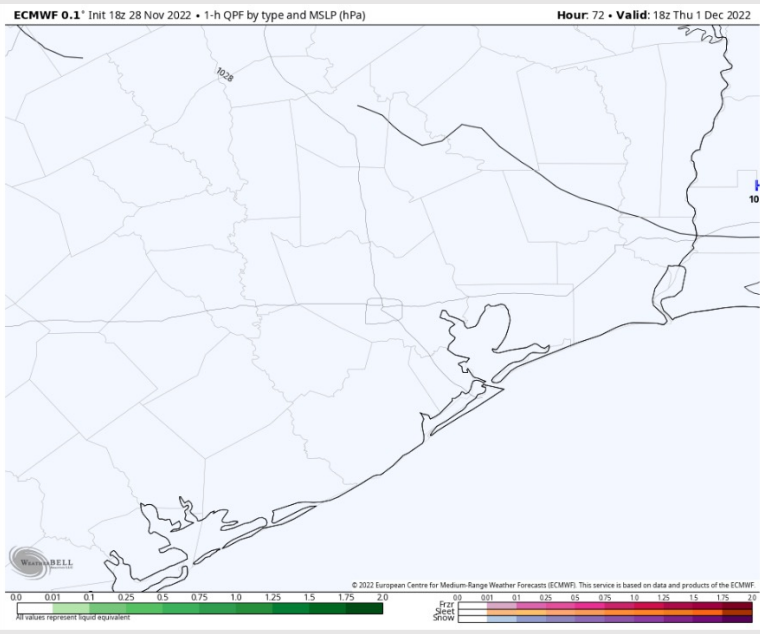
Houston Pilots: Thurs. 11/28/2022



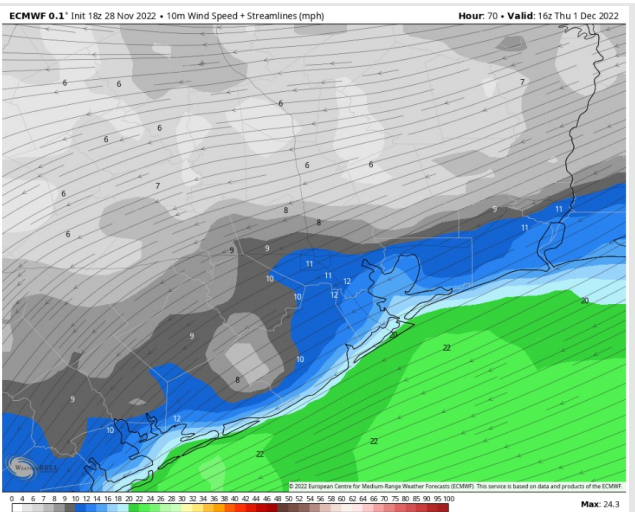
Forecast Discussion

- Precip:** Anticipating dry conditions Thursday.
- Wind:** Sustained winds from the NE throughout the majority of the day will shift more easterly by 6 PM and remain as such for the rest of the evening. Winds N of Morgan's Point will be 5 - 10 kts and winds S of Morgan's Point will be more elevated at 10 - 16 kts. Wind gust of up to 18 kts will be possible N of Morgan's point until 12 PM, and gusts S of Morgan's Point of up to 23 kts will be possible until 2 PM.
- Temps:** High temps Thursday will be in the mid to upper 70s F. The Boarding Station will be sitting around 70 F.
- Visibility:** Not anticipating visibility concerns, as winds will be elevated + unfavorable direction.

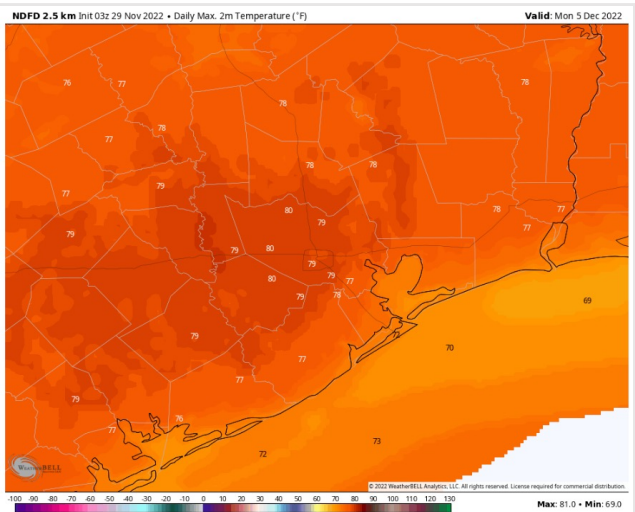
Precip Forecast: 12 PM CT



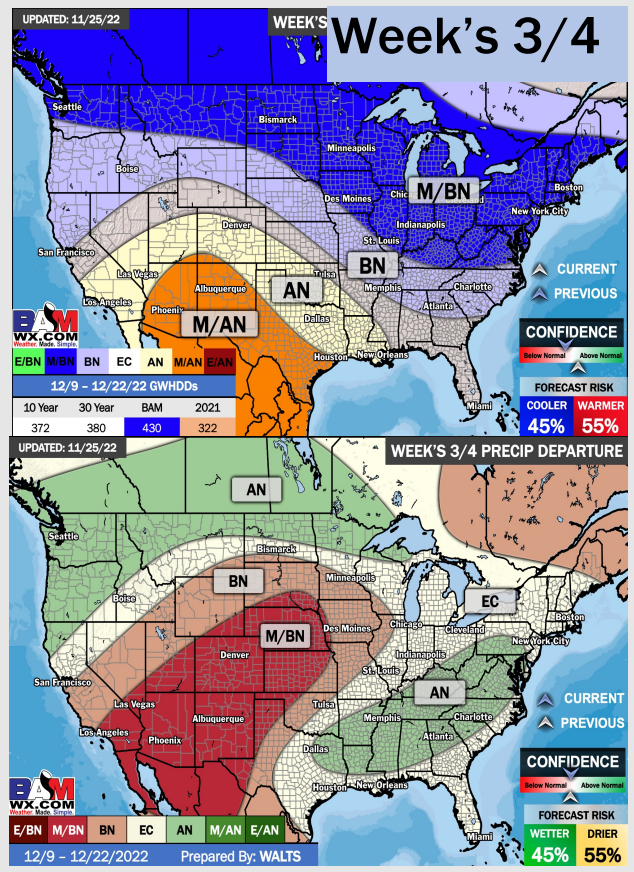
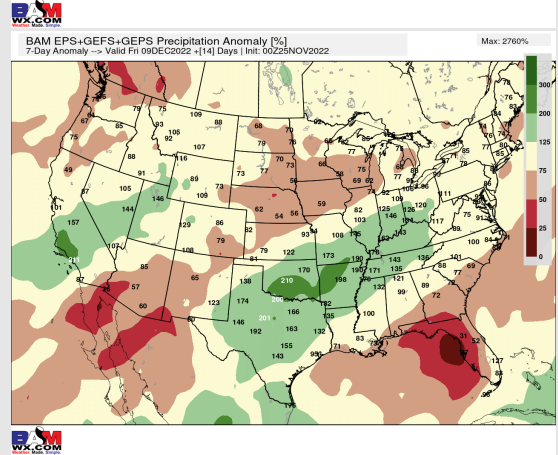
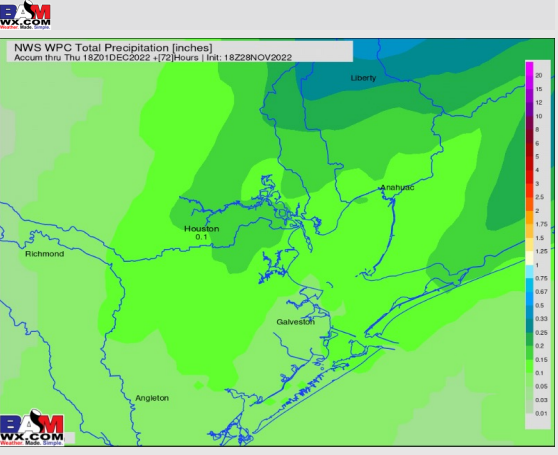
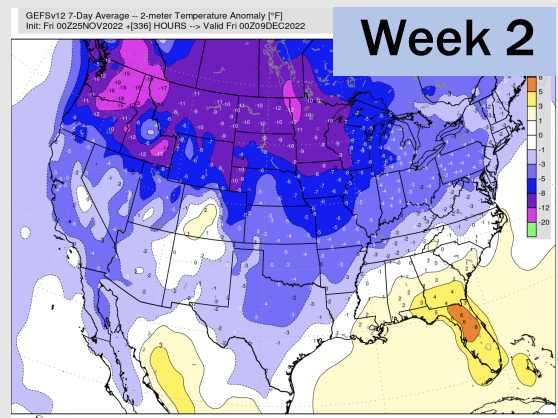
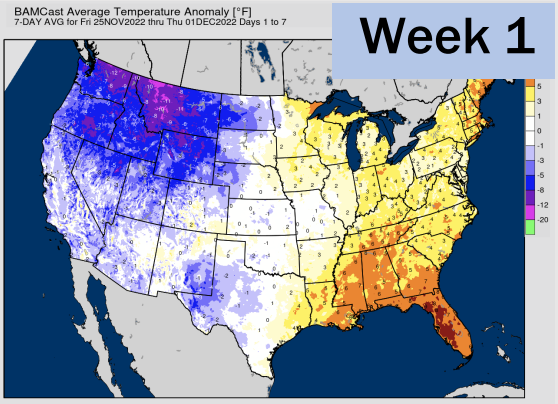
Wind Speed
10 AM CT



High Temps
Thursday



Houston Pilots: 11/29/22



- After rain moves out today, very low rain chances Fri/Sat/Sun afternoons. Week 1 temperatures to be slightly above normal.
- Week 2 is expected to be near normal for temperatures and near normal for rain chances into early December.
- The weeks 3/4 timeframe looks to feature above normal temperatures and below normal risks for precipitation.