

# Houston Pilots Forecast Package



Updated: 5:20 AM CT  
Friday, March 24, 2023

Forecaster: Matt Griffin

## Weather Headlines

- Some lower visibilities possible this AM and again into tomorrow morning. More info on the following slides.
- A few showers possible later today.
- Elevated winds this afternoon
- Additional precipitation chances arrive Sunday



**Radar/NWS Alerts: 5:20 AM CT**



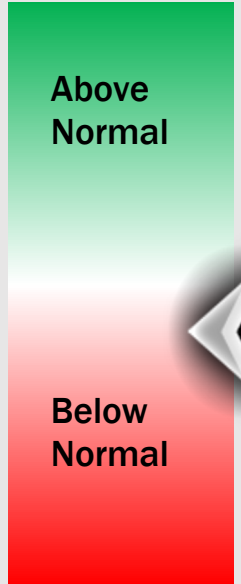
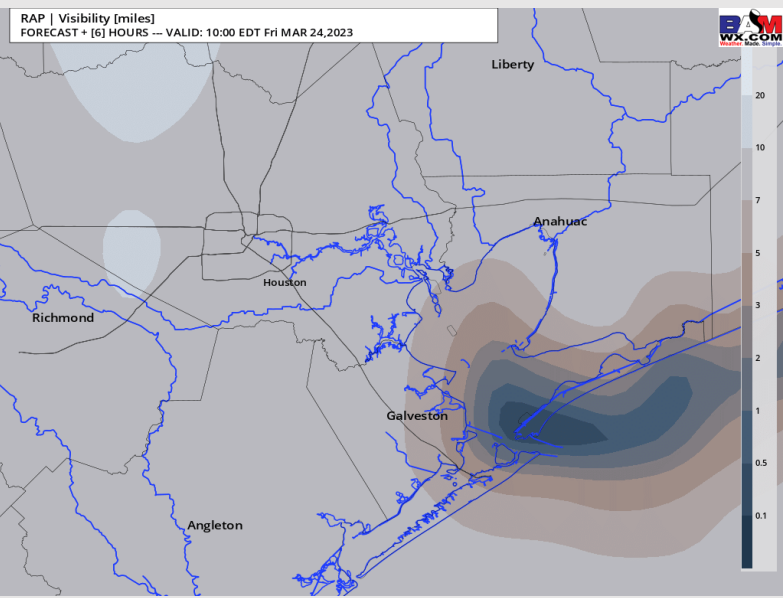
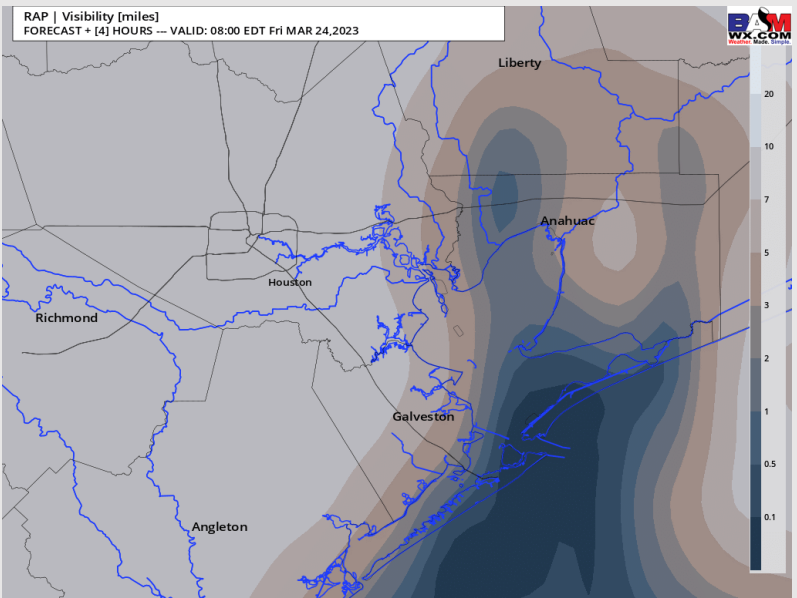
As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## 7 AM CT FRI VISIBILITY      9 AM CT FRI VISIBILITY

## Confidence



TIMEFRAME DISCUSSED	THREAT
CURRENT - 10 AM FRI	Low

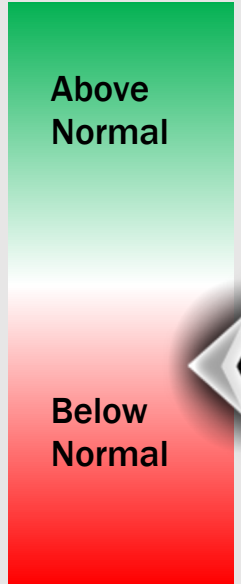
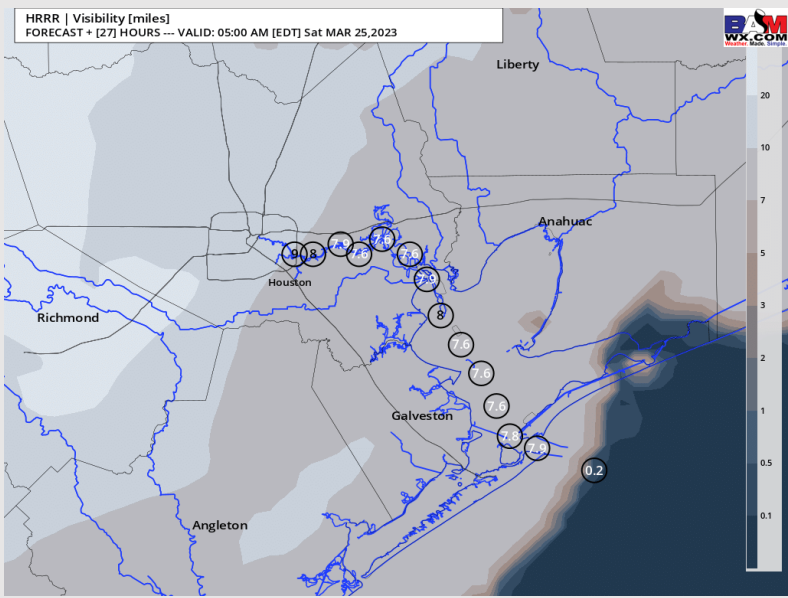
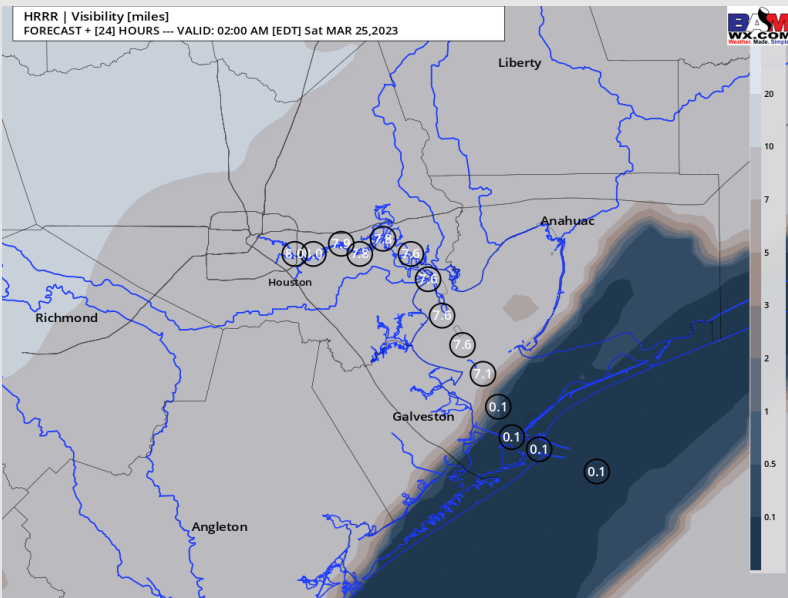
- No lower visibilities less than 4 miles reported as of doing this report, and is certainly worth noting that model data has been a bit too aggressive bringing in fog threats for our stations.
- However, onshore flow will continue to support the threat this AM, although dense fog will be hard to come by due to elevated winds.
- General elevated winds should help to make fog potential much more patchy in nature as well.
- Greatest threat time will be in the 6 AM - 10 AM window. Stations at greatest risk are stations D and points south, although some very patchy lower visibilities can drift north.
- Visibilities below 3 miles will be possible but suspect of anything under 1 mile due to the factors mentioned above. This still cannot be 100% ruled out in that 6 AM - 10 AM towards the boarding station, but think the risk for this is very low.

# Houston Pilots Visibility Report



## 1 AM CT SAT VISIBILITY      4 AM CT SAT VISIBILITY

## Confidence



TIMEFRAME DISCUSSED	THREAT
10 PM FRI - 5 AM SAT	Low

- As mentioned in the previous slide, model data has been too aggressive with fog potential as of late. This is certainly in consideration to the fog forecast late tonight/ SAT AM.
- Greatest threat for fog will be in the midnight to 4 AM window as there continues to be a southwesterly component to generally light winds. Thereafter, light winds start to shift out of the north which should limit the potential.
- Due to the orientation of the winds, it will be Station D and points south at the greatest risk to see this threat.
- Confidence continues to remain below normal on the potential for dense fog producing visibilities at/ below 1 mile. Compared to the last few days of potential, the lighter winds out ahead of a cold front would be more supportive. Thus the risk is slightly elevated tomorrow morning vs previous days.

# Houston Pilots Extended Range Visibility Report



## Monday 3/27/23

Winds out of the S for the AM hours will present some potential for sea fog, but a shift in wind from the NE will make fog unlikely in the PM.



## Wednesday 3/29/23

Winds will start out of the NE during the AM hours on Wednesday, and then shift to out of the SE by the early afternoon hours. Although low level moisture will not be great, sea fog could be possible.



## Tuesday 3/28/23

Winds out of the NE will make fog unlikely on Tuesday.



## Chance for Reduced Visibility

Monday AM	Possible
Monday PM	Unlikely
Tuesday AM	Unlikely
Tuesday PM	Unlikely
Wednesday AM	Possible
Wednesday PM	Possible





## Forecast Discussion

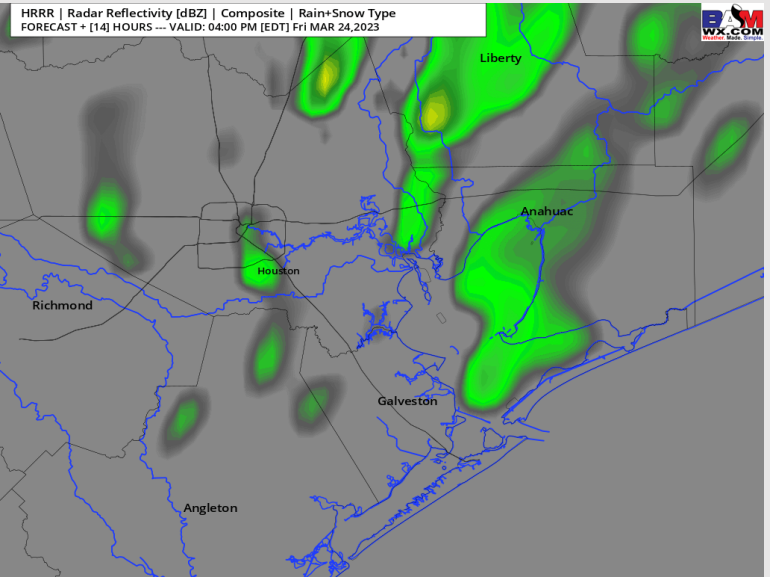
**Precip:** Threat for any stronger storms seems less likely based off latest data with the best threat remaining to the east. However some showers around the 1 – 5 PM timeframe will be possible. With some instability present, lightning cannot fully be ruled out.

**Wind:** Winds this morning are anticipated to generally be in the 8 – 13 knots range before picking up into the afternoon 11 – 16 knots (windier towards the boarding station) and gusts to 26 knots. Highest threat time for these gusts is from 11 AM – 8 PM, with the potential lingering the longest towards the boarding station. South winds this AM will start to veer out of the SW after 3 PM where they will remain for the evening. After 6 PM winds across the northern half of station will start to weaken to 4 – 7 knots sustained while the southern half stations will be closer to 11 – 14 knots sustained

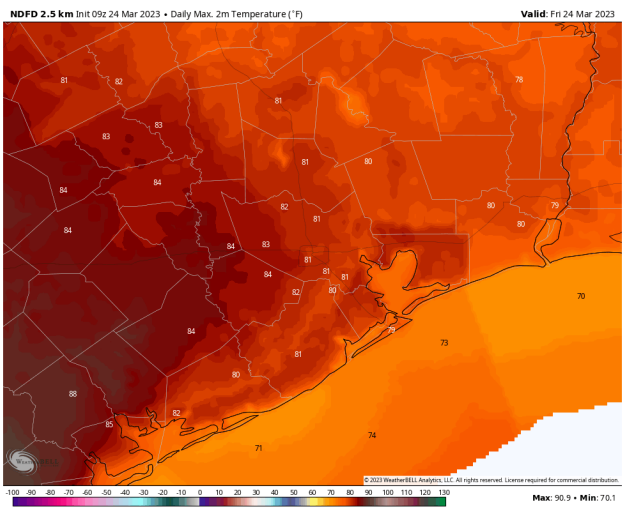
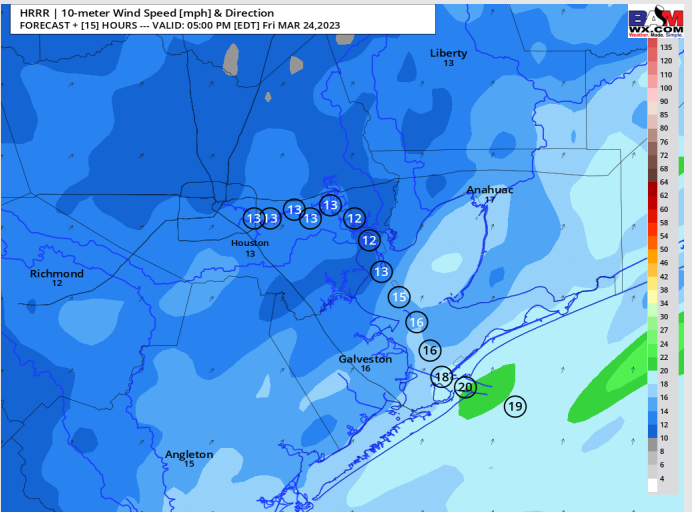
**Temps:** High temperatures this afternoon will be in the low 70s F near the boarding station and upper 70's/near 80 F for the other stations.

**Visibility:** More discussion of fog in slides 2/3.

## Precip Forecast: 3 PM CT



Wind Speed  
4 PM CT



High Temps  
Today

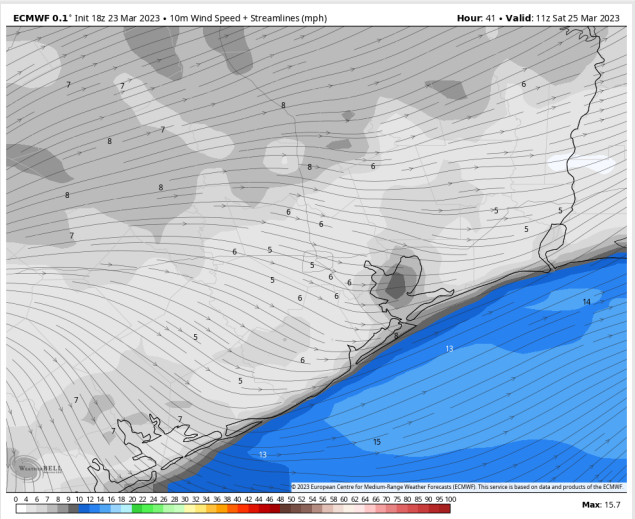
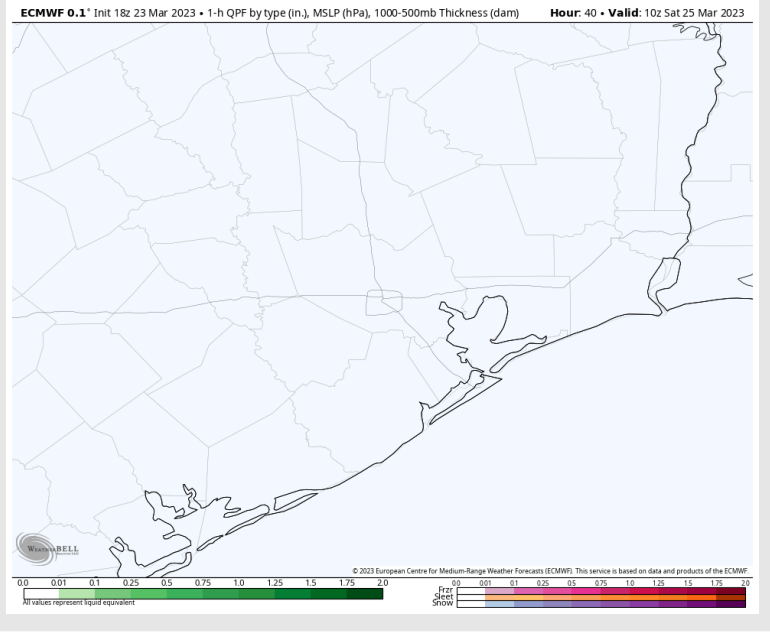
# Houston Pilots: Sat. 3/25/2023



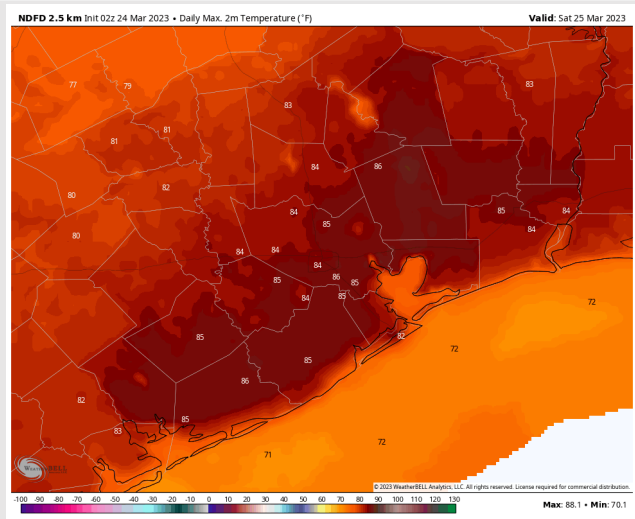
## Forecast Discussion

- Precip:** Favoring dry conditions throughout the day Saturday.
- Wind:** Winds Saturday will start out of the SW until 6 AM, where they will be from out of the NW. Winds will then shift to the SE by 6 PM. Wind speeds through 4 AM will be at 9-15 kts. After 4 AM, winds will die down to being 3-8 kts for the rest of the day.
- Temps:** Anticipating high temperatures Saturday will be in the low 70s F near the boarding station and upper 70's/near 80 F for the other stations.
- Visibility:** More discussion of fog potential SAT AM on Slide 3.

## Precip Forecast: 5 AM CT



Wind Speed  
6 AM CT



High Temps  
Saturday



# Houston Pilots: Sun. 3/26/2023



## Forecast Discussion

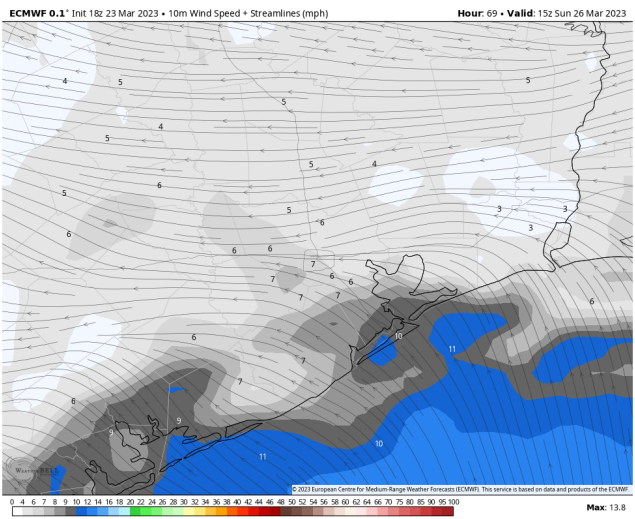
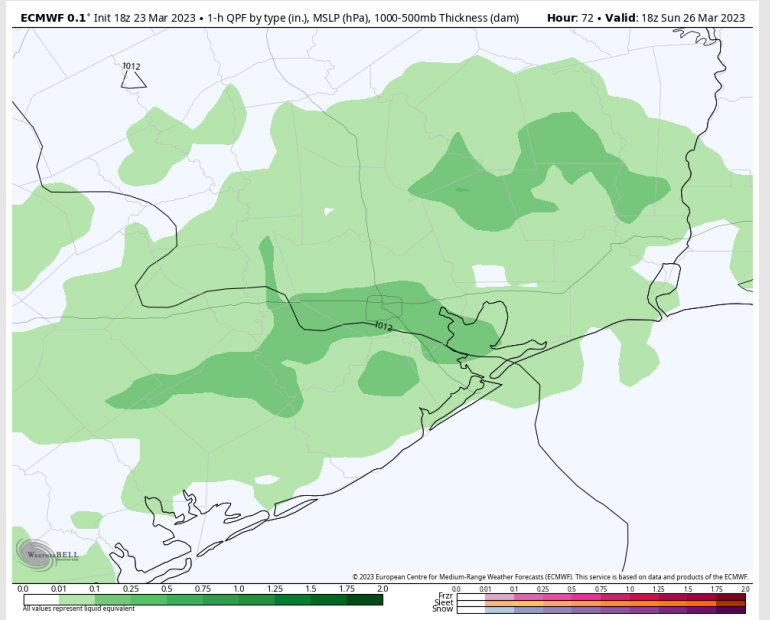
**Precip:** Favoring dry conditions until 8-9 AM CT Sunday. After 9 AM, favoring a 50-60% chance for showers/thunderstorms until 4 PM. After 4 PM, chances will drop to 20-30% for the rest of the day.

**Wind:** Favoring winds to be out of the SSE until around 5 AM CT when winds shift to out of the E until gradually shifting back to out of the SSE by 10 AM and remain that way for the rest of the day. Winds will be at 3-12 kts across all stations throughout the day Sunday.

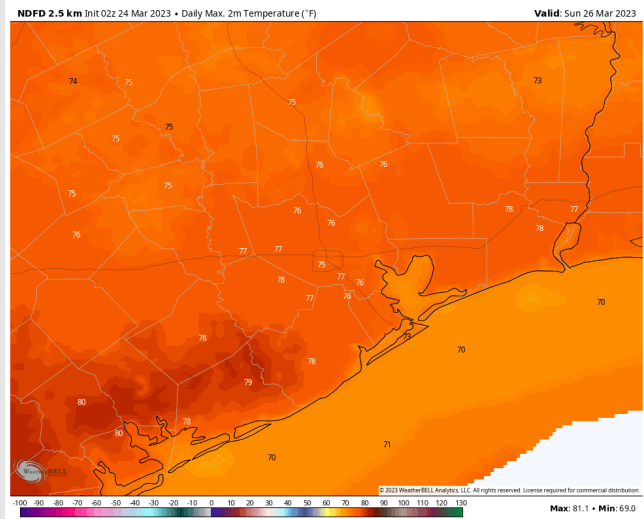
**Temps:** High temps Sunday will be in the low to mid 70s F across all stations.

**Visibility:** Winds out of the S accompanied by low level moisture keep sea fog risks in play, but very low confidence and potential.

## Precip Forecast: 1 PM CT

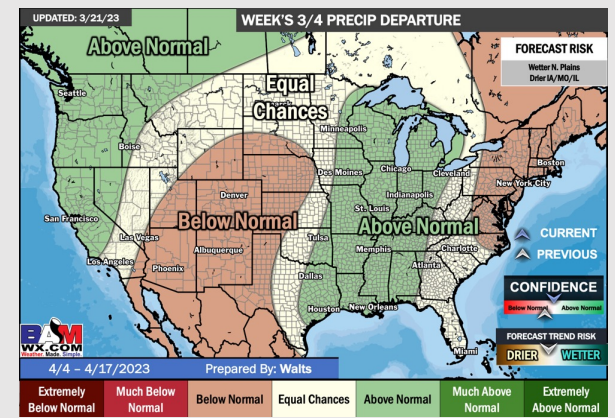
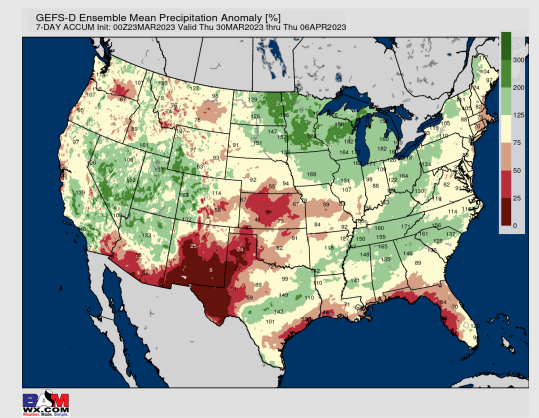
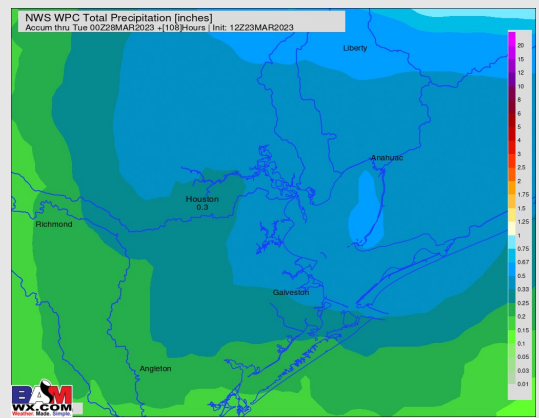
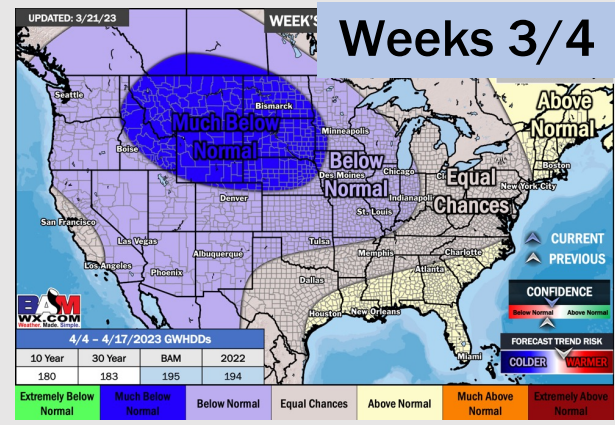
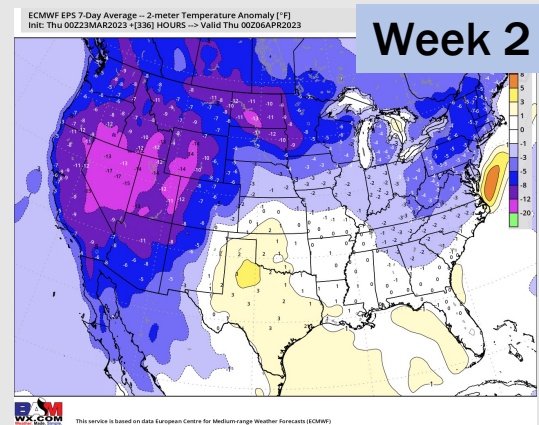
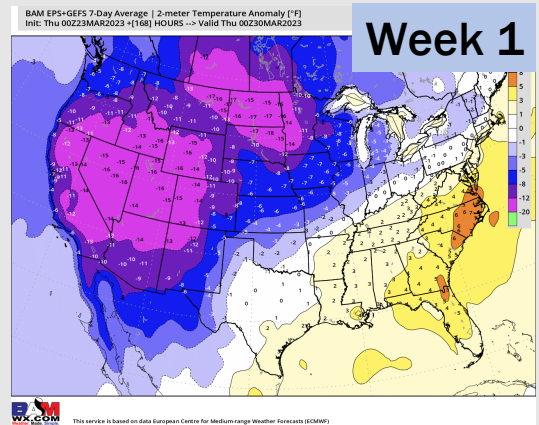


Wind Speed  
10 AM CT



Low Temps  
Friday AM

# Houston Pilots: 3/24/23



- Rain chances late today and starting again Sunday, continuing into the first part of the week. Temperatures are expected to be slightly above normal over the next seven days.
- Expecting below normal precipitation chances and slightly above normal temperatures extending into the week 2 timeframe.
- Anticipating above normal temperatures and above normal chances for precipitation favored in the week 3/4 timeframe.