

# Houston Pilots Forecast Package



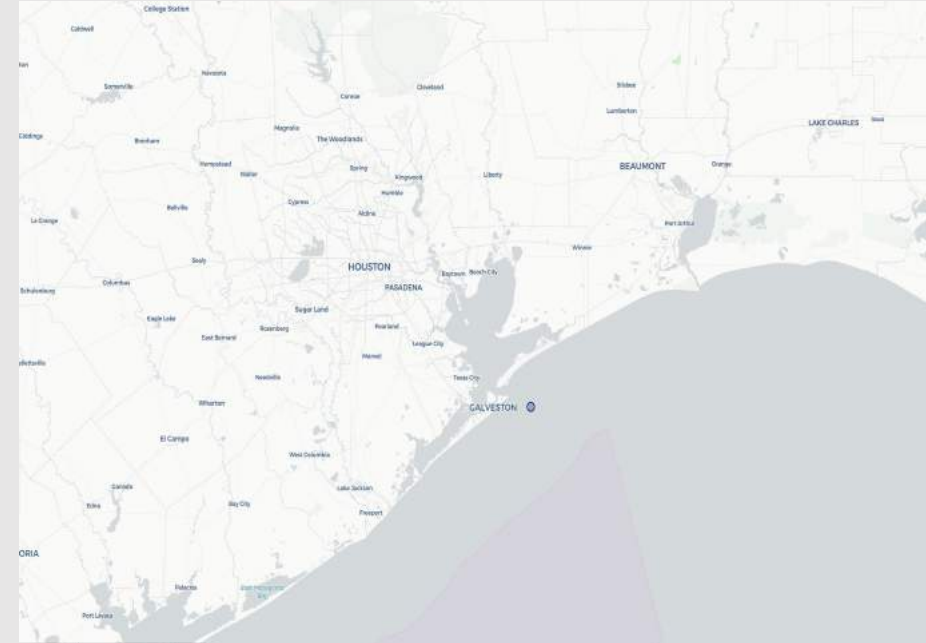
Updated: 5:00 AM CT

Friday, December 10, 2021

Forecaster: Matt Griffin

## Weather Headlines

- Cold front moves through tomorrow with a few strong wind gust possible.
- As cold front passes, winds pick up from the north for Saturday.
- Keeping an eye on Mon AM for next best chance for fog.



**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 Extended Range Visibility Report



## Sunday, 12/12/21

Winds look to still be elevated out of the NE for Sun AM. Currently not anticipating fog for our stations on Sun.



## Monday, 12/13/21

Keeping an eye on Mon AM as winds look calmer and out of the east for our stations. However currently not anticipating fog for our stations on Mon.



## Tuesday, 12/14/21

Similar to Monday, fog potential needs watched. Model data is not showing anything at this time, however given onshore flow, we need to at least keep a watch for any potential sea fog



### Daily Fog Chance

Sunday AM	Unlikely
Monday AM	Possible
Tuesday AM	Possible

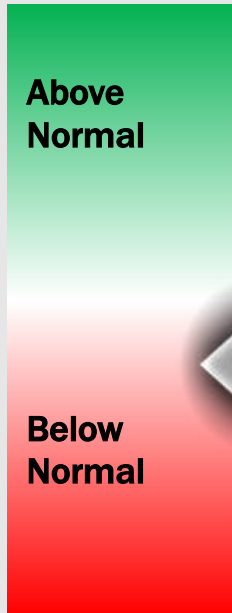
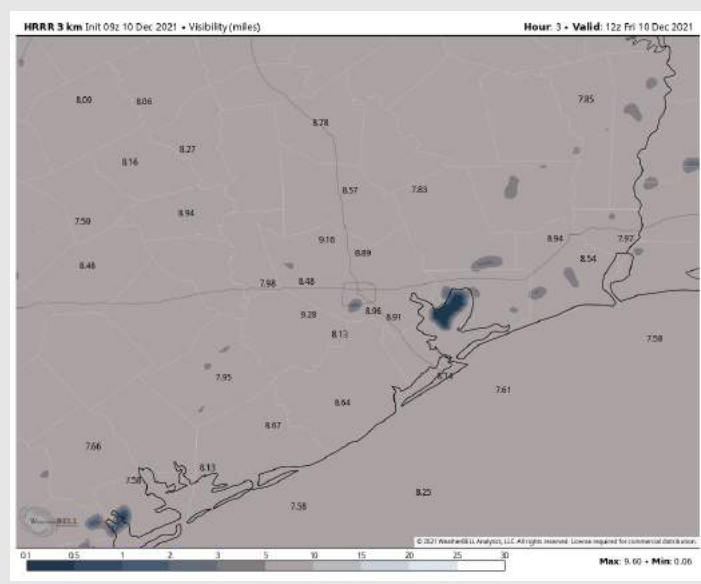
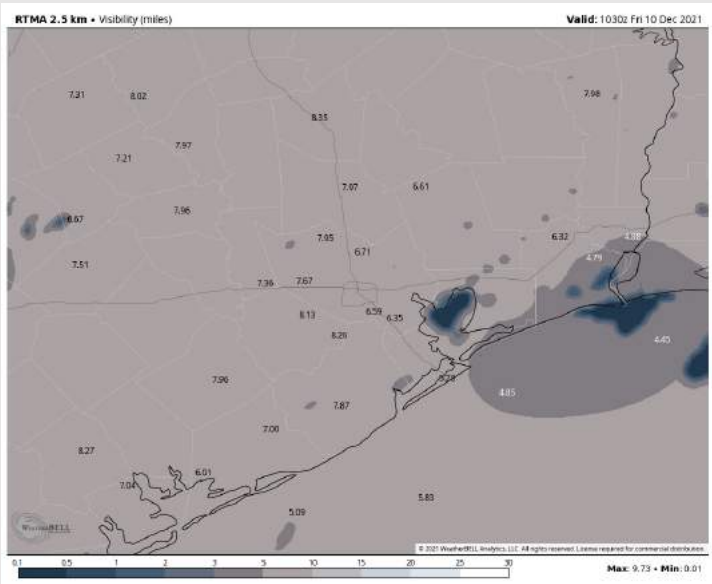
# Houston Pilots Visibility Report



## Visibility as of 4:30 AM (miles)

## 6 AM CT FRI Visibility (miles)

## Confidence



**Reduced Visibility Threat**

CURRENT - 7 AM FRI **Low**

- Some lower visibilities around ~1.25 miles noted at the Galveston weather station this morning. Satellite also shows some lower clouds around the area.
- However, stations further inland are reporting clear visibilities as some of the lower visibilities seem to be closer to the boarding station this morning.
- Winds this morning are elevated from the south, sustained around 8 – 15 mph. Considering this and the aforementioned conditions above, some patchy fog/ lower visibilities will be possible out through about 7 AM mainly towards the boarding station. Winds should limit the ability of fog to become dense.

# Houston Pilots: *Fri. 12/10/2021*



## Forecast Discussion

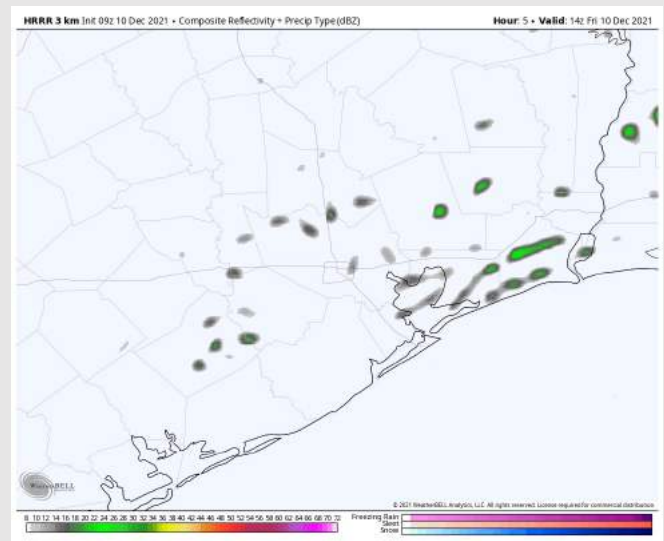
**Precip:** A isolated pockets of a light drizzle cannot be ruled out this AM through about 9 AM. After that, a mostly dry day is favored with spotty showers being possible closer to the midnight timeframe.

**Wind:** Sustained winds 10-15 MPH with a few gusts to 20 MPH look possible for most of the day coming from the SSW. By ~Noon, winds look to pick up to around 13-18 MPH sustained at the boarding station with gusts to 25 MPH possible for the afternoon. Winds look to start calming down closer to midnight out ahead of the next cold front.

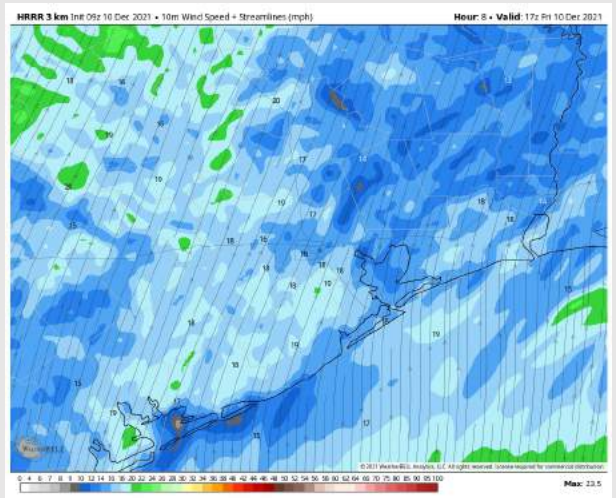
**Temps:** High temperatures Fri look to be in the upper 70s to low 80s F.

**Visibility:** Patchy fog possible this AM but current thinking is that winds should limit ability of any fog to be dense. More details in the slide above.

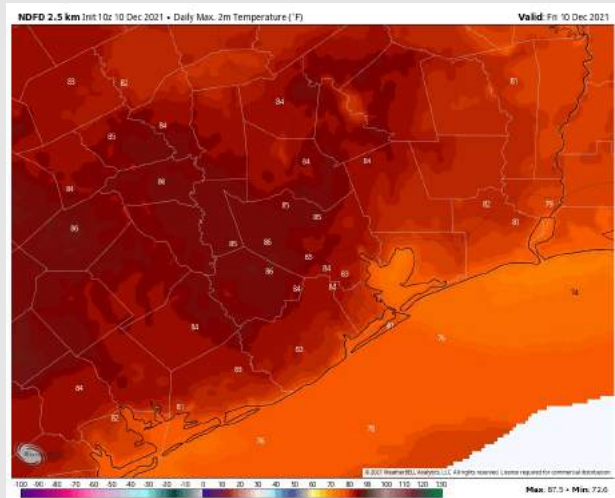
## Precip Forecast: 8 AM CT



Wind Speed:  
11 AM CT



High Temps  
Friday



# Houston Pilots: Sat. 12/11/2021



## Forecast Discussion

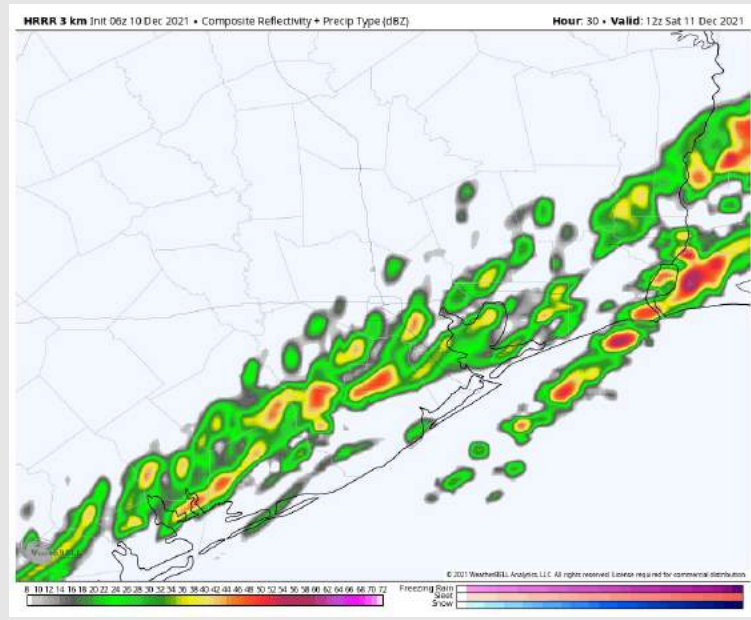
**Precip:** A few spotty showers will be possible from about 12 AM to 4 AM. A better threat for precipitation/ storms arrives as a cold front moves through the area. Currently favoring around 4 – 8 AM of this passage. Storms along this line could produce a few stronger wind gust of 35 + MPH (better threat for stronger storms likely remains NE of HOU) A few spotty showers/ storms will be possible in the afternoon as well (11 AM – 7 PM). Afternoon precipitation will be more hit and miss in nature into the afternoon.

**Wind:** Winds will be turning more out of the SW into tomorrow morning around 4 AM as a cold front approaches the area. Winds should also be weakening as well around sustained around 7 – 12 MPH. As the cold front passes, winds look to pick up and shift out of the north, sustained around 15 – 22 MPH (strongest towards the boarding station) for much of the afternoon. Gusts near 30 MPH will be possible. Winds start to calm down into the evening, but continue to remain elevated around 10 – 20 MPH sustained after sunset (once again strongest wins towards the boarding station).

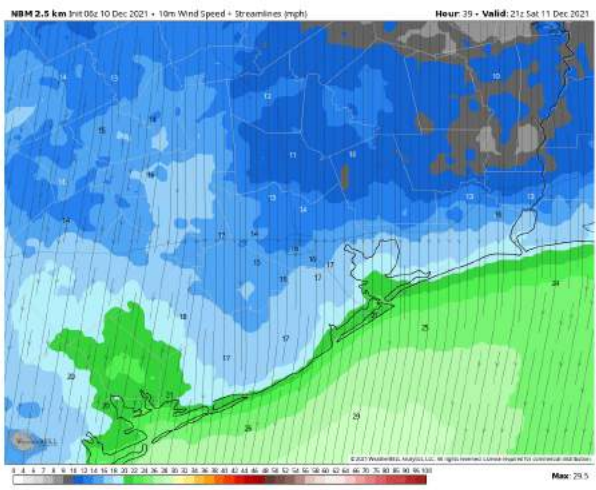
**Temps:** Highs will be reached in the AM hours before a cold front cools things off. Afternoon temps likely only sit in the lower 60s.

**Visibility:** Some patchy fog cant be ruled to from 12 AM Sat through about 6 AM Sat. However, data is not excited and current thinking is that any fog around the area should not be dense in nature (only slight reduction of visibilities).

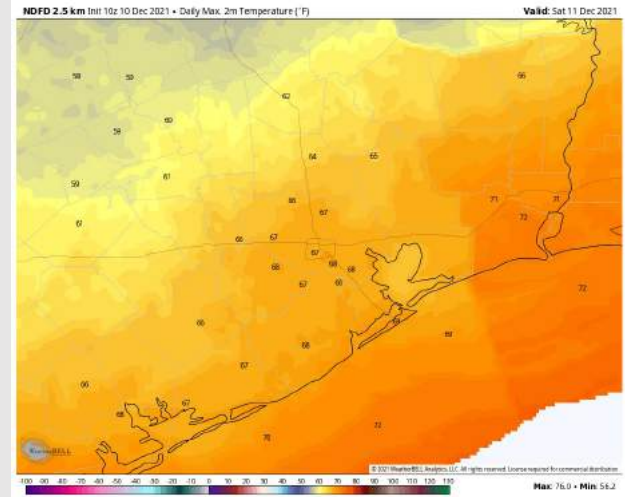
## Precip Forecast: 6 AM CT



Wind Speed  
3 PM CT



High Temps  
Saturday



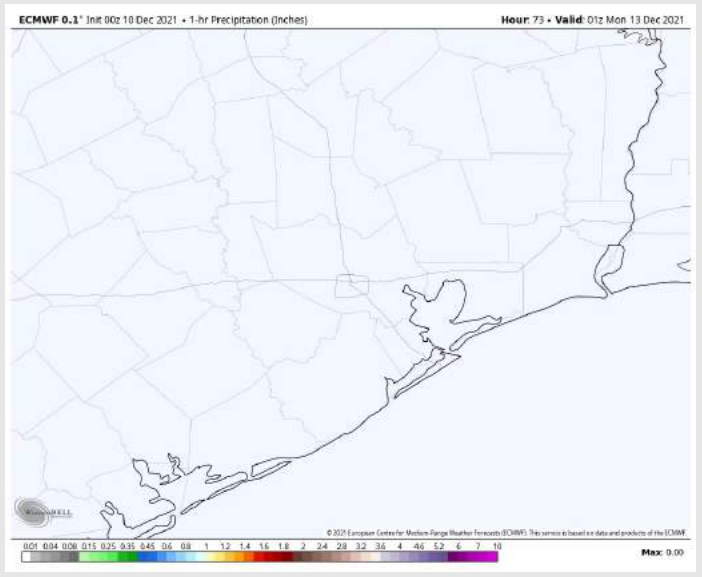
# Houston Pilots: *Sun. 12/12/2021*



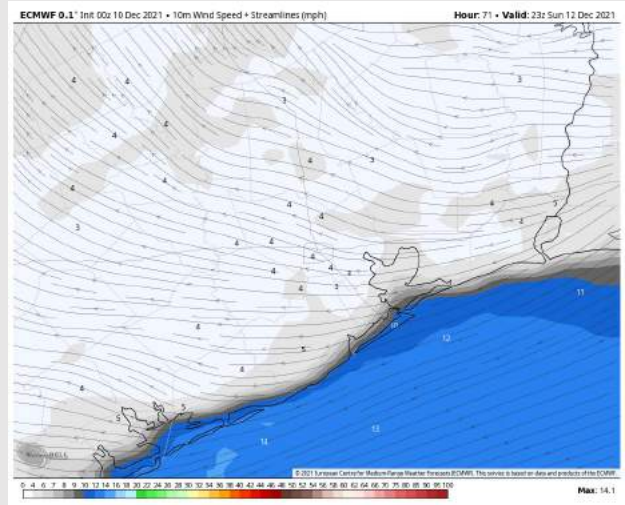
## Forecast Discussion

- Precip:** Sunday is anticipated to be a dry day.
- Wind:** Winds in the AM slowly start to shift from NNE to E into the afternoon. Winds will also be decreasing from sustained winds of 8 – 13 MPH in the AM before getting closer to 5 – 10 MPH in the PM.
- Temps:** High Temperatures look to get into the mid 60's F.
- Visibility:** Elevated northerly winds should suppress any fog threat SUN AM. Will need to watch getting into MON AM for the next chance for fog potential.

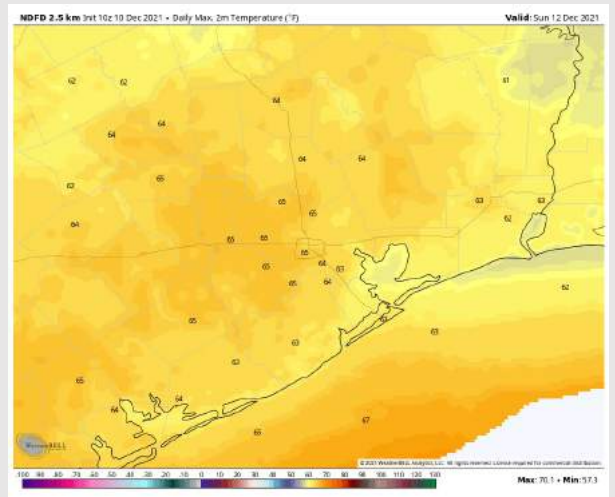
## Precip Forecast: 7 PM CT



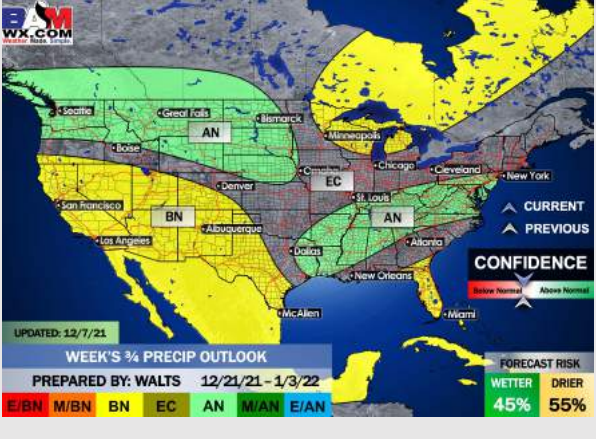
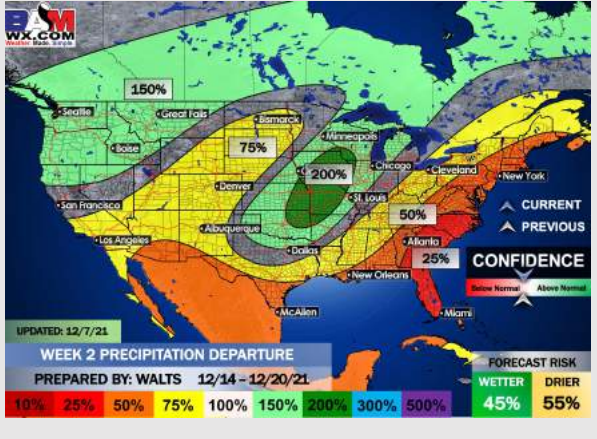
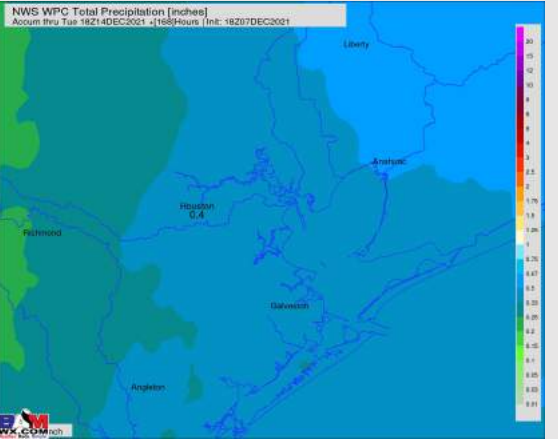
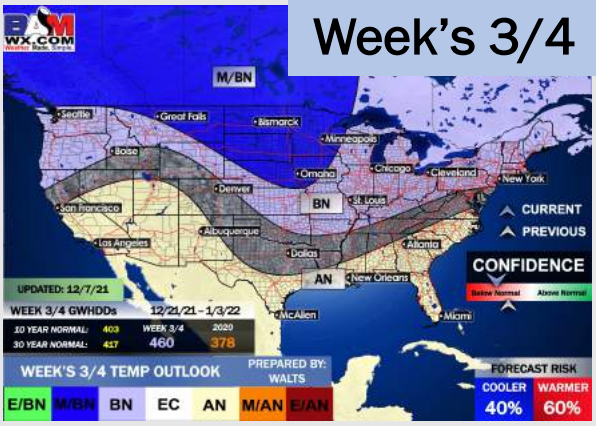
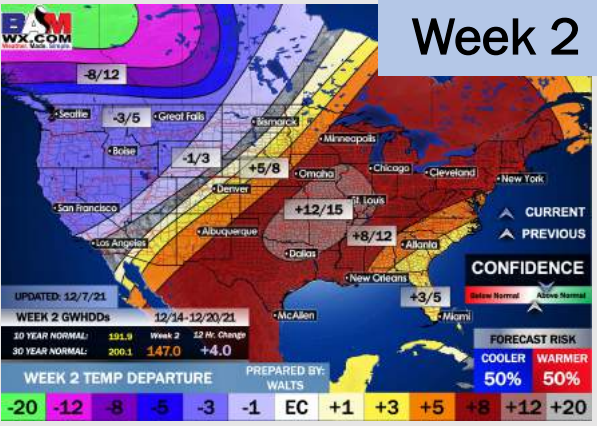
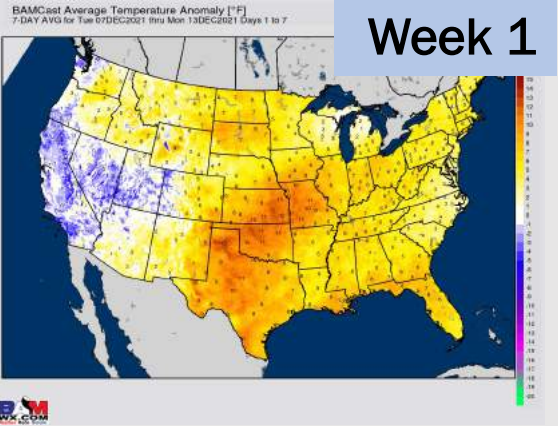
Wind Speed 5 PM CT



High Temps



# Houston Pilots: 12/10/21



- Almost daily chances for isolated/scattered precip through Sat, however, chances nor totals look impressive. Best chances for precip will come Saturday with the passing of a cold front. Temperatures expected to be above normal this week.
- The week 2 timeframe is expected to have well above normal temperatures and above normal risks for precip.
- Right now, we are favoring slightly above normal risks for temperatures and near normal to slightly above normal risks for precip for the end of December.