

# Houston Pilots Forecast Package



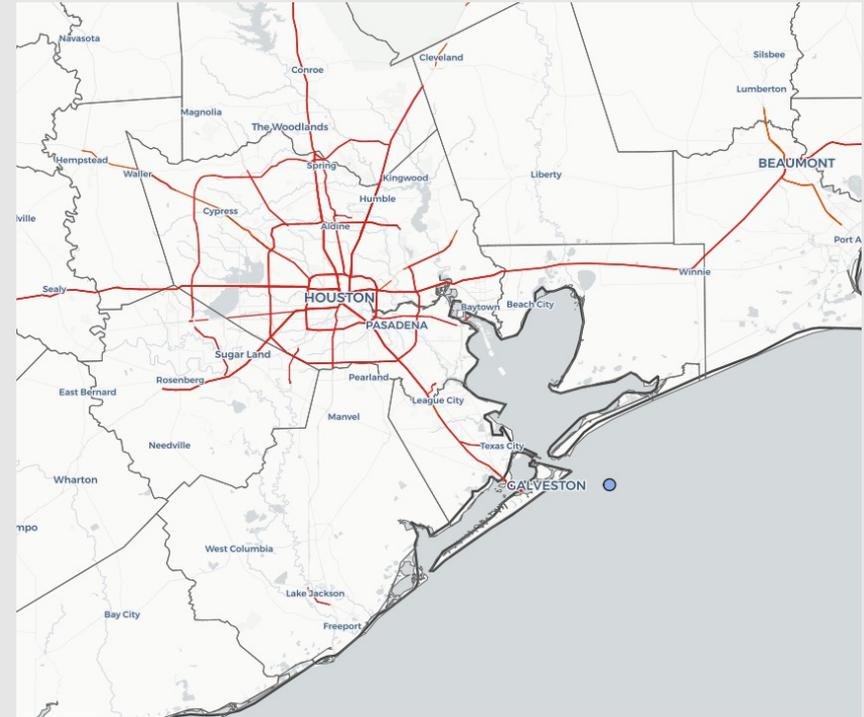
Updated: 5:00 AM CT

Wednesday, December 8, 2021

Forecaster: Vince Bryan

## Weather Headlines

- Minor precip chances will continue the next few days as the flow is a bit more favorable for pockets of on/off scattered light rain showers.
- Watching the next few morning's for fog potential (especially for southerly stations)
- Continuing to watch for the next cold front to sweep through the area on Saturday AM and bring better chances for showers/thunderstorms.



**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



Time	12-09-2021 Thu 3am	12-09-2021 Thu 4am	12-09-2021 Thu 5am	12-09-2021 Thu 6am	12-09-2021 Thu 7am	12-09-2021 Thu 8am	12-09-2021 Thu 9am	12-09-2021 Thu 10am	12-09-2021 Thu 11am	12-09-2021 Thu 12pm	12-09-2021 Thu 1pm	12-09-2021 Thu 2pm	12-09-2021 Thu 3pm	12-09-2021 Thu 4pm	12-09-2021 Thu 5pm	12-09-2021 Thu 6pm	12-09-2021 Thu 7pm	12-09-2021 Thu 8pm	12-09-2021 Thu 9pm	12-09-2021 Thu 10pm	12-09-2021 Thu 11pm	12-10-2021 Fri 12am	12-10-2021 Fri 1am	12-10-2021 Fri 2am	12-10-2021 Fri 3am	12-10-2021 Fri 4am	12-10-2021 Fri 5am	12-10-2021 Fri 6am	12-10-2021 Fri 7am	12-10-2021 Fri 8am	12-10-2021 Fri 9am	12-10-2021 Fri 10am	12-10-2021 Fri 11am	12-10-2021 Fri 12pm	12-10-2021 Fri 1pm	12-10-2021 Fri 2pm			
Houston Pilots N - 610 Bridge	7.924	6.646	4.902	6.519	6.096	4.931	6.964	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.919	5.976	5.931	5.931	5.524	5.931	6.920	6.964	6.920	6.885	6.920	4.931	3.897	4.931	6.964	10.000	10.000	10.000	10.000		
Houston Pilots M - Kinder 1	7.924	6.890	4.902	6.519	6.096	4.931	6.964	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.212	6.745	6.745	5.931	5.711	5.931	6.920	7.212	7.053	6.885	6.920	5.745	4.279	5.996	7.462	10.000	10.000	10.000	10.000		
Houston Pilots L - Greens Bayou	7.924	6.890	4.377	5.968	5.886	4.931	6.944	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	8.711	7.752	7.204	6.718	6.718	6.718	7.146	7.655	7.177	7.145	6.920	6.578	5.930	7.155	8.133	10.000	10.000	10.000	10.000		
Houston Pilots K - Shell Crude	7.924	6.890	4.377	5.968	5.886	4.931	6.948	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	9.033	7.999	7.777	7.777	7.777	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.033	8.033	8.988	10.000	10.000	10.000	10.000	
Houston Pilots J - Lynchburg Ferries	7.924	6.890	2.914	5.936	5.886	4.931	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	9.033	7.999	7.777	7.777	7.777	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.033	8.033	8.988	10.000	10.000	10.000	10.000	
Houston Pilots I - Exxon 3	7.924	6.890	2.914	5.936	5.886	4.931	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	9.033	7.999	7.777	7.777	7.777	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.033	8.033	8.988	10.000	10.000	10.000	10.000	
Houston Pilots H - Morgans Point	7.924	6.890	4.902	5.936	5.886	4.931	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	9.033	7.999	7.777	7.777	7.777	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.407	8.988	8.988	10.000	10.000	10.000	10.000	
Houston Pilots G - 75/76	7.924	6.890	6.890	5.936	5.886	4.931	6.920	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	9.033	7.999	7.777	7.777	7.777	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.407	8.988	8.988	10.000	10.000	10.000	10.000	
Houston Pilots F - 63/64	9.176	8.573	6.890	5.936	6.920	4.931	8.449	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	9.033	7.999	7.777	7.777	7.777	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.623	8.988	8.988	10.000	10.000	10.000	10.000	
Houston Pilots E - 51/52	10.000	9.669	6.890	6.778	6.920	5.514	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.778	9.033	8.811	7.888	7.777	7.777	7.777	7.880	8.033	8.033	7.999	8.033	8.033	8.033	8.407	8.988	8.988	8.988	10.000	10.000	10.000	
Houston Pilots D - 37/38	10.000	10.000	6.890	6.890	6.920	6.553	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	8.946	7.913	6.437	6.353	6.353	7.887	8.033	8.033	8.033	7.999	8.033	8.033	7.490	8.033	8.988	8.988	8.988	9.115	9.087	9.087	
Houston Pilots C - 25/26	10.000	10.000	6.938	6.938	6.967	6.920	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	7.999	6.428	5.990	5.990	7.677	7.999	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.033	8.033	8.988	8.988	8.988	9.033	9.033	
Houston Pilots B - 11/12	10.000	10.000	6.938	6.938	6.967	6.920	8.988	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.033	7.343	5.931	4.976	4.897	7.999	7.999	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.033	8.841	8.033	8.988	8.988	9.033	9.033	
Houston Pilots A - 1 & 2 Bravo	7.924	6.890	6.890	6.890	6.920	6.920	8.988	8.988	10.000	10.000	9.181	10.000	10.000	10.000	10.000	10.000	8.514	5.350	4.475	3.991	6.695	7.999	7.999	8.033	8.033	8.033	7.999	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	8.033	7.999	7.999

# 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

Keeping



### Daily Fog Chance

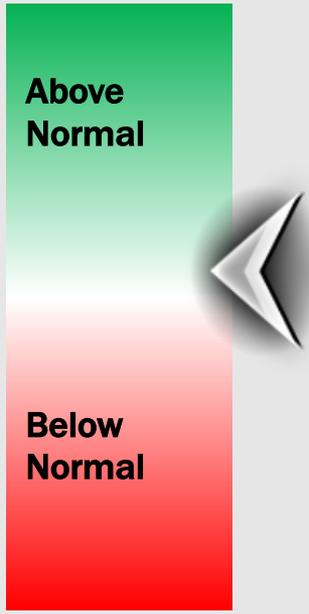
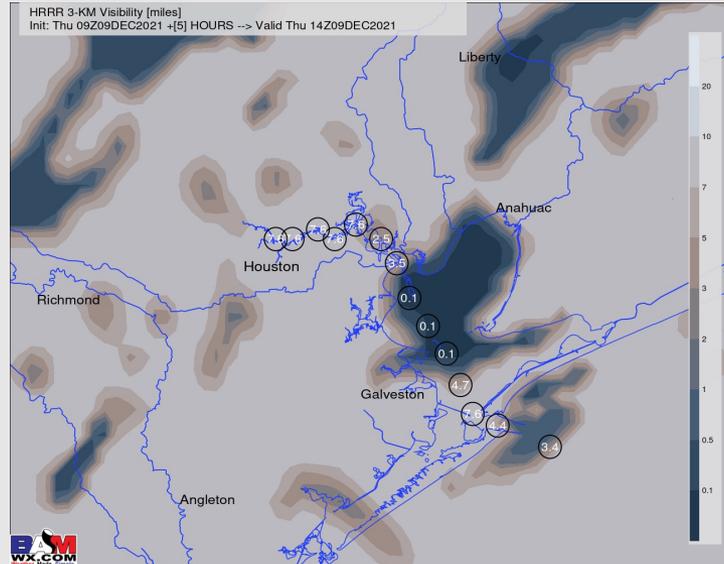
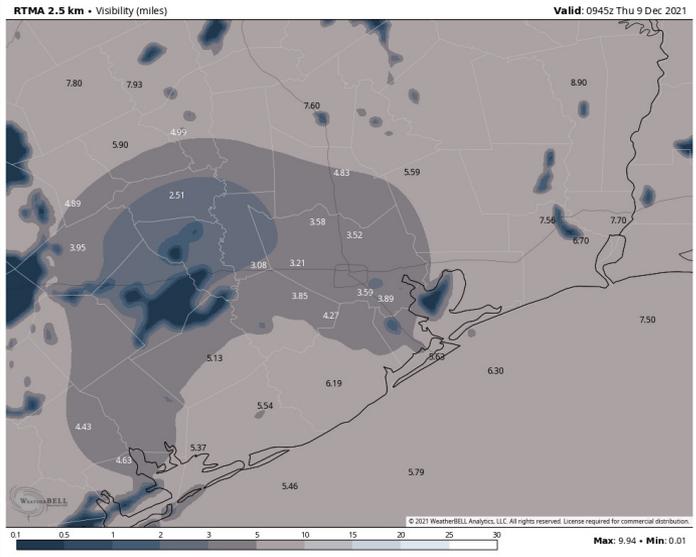
Sunday AM	Unlikely
Monday AM	Possible
Tuesday AM	X

# Houston Pilots Visibility Report



## Current Visibility (miles)      8 AM CT THU Visibility (miles)

## Confidence



## Fog Threat

Current- 10 AM THU      **Medium**

- Fog development has been quite limited/ delayed a bit this morning as temps around the area have hovered 1-2 degrees warmer than what most model guidance had.
- We'll continue to hold the fog threat in the forecast out through 9-10 AM as latest observations around the area are showing a gradual lowering of the cloud deck.
- \*Hit and miss\* pockets of fog will be possible for all stations. The best opportunity for the most reduced visibility (less than 1-2 miles) would come south of 51/52.
- Working through the rest of the day, a few breaks in the clouds will be possible, however lower clouds can likely hang around.

# Houston Pilots: Thu. 12/9/2021



## Forecast Discussion

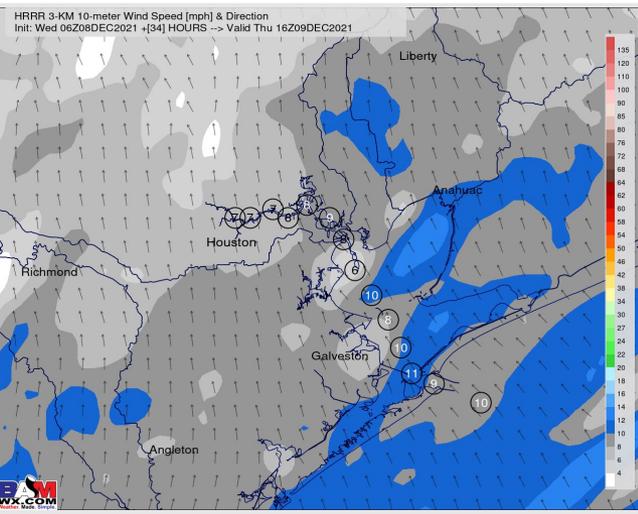
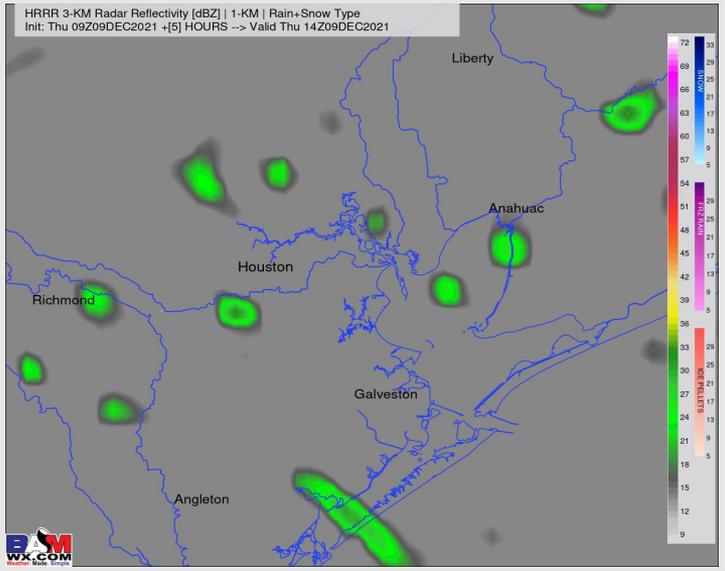
**Precip:** A 30% chance of a few pockets of drizzle/ very light rain from now through mid afternoon. A low cloud deck looks to generally stick around the area and provide the potential for light moisture to be squeezed out at just about anytime. Precip is expected to stay rather light.

**Wind:** Sustained winds look to be 8-13 MPH with some gusts to 18 MPH for most of the day at the boarding station. Favoring a SE wind to continue until ~11 AM when more of a SSW is expected through the rest of the day.

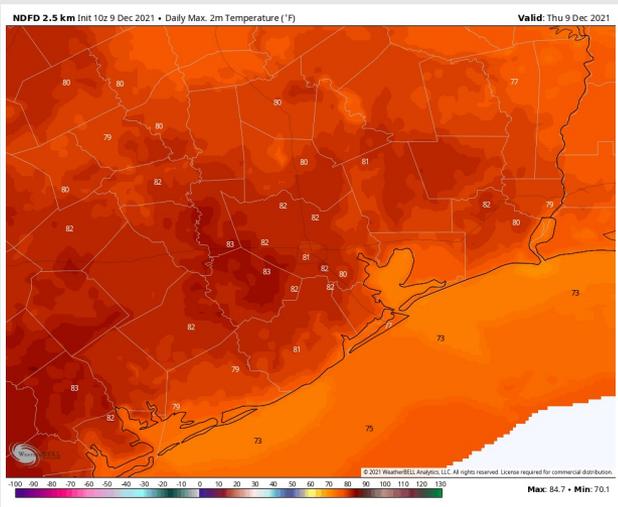
**Temps:** High temperatures are favored in the upper 70s F to low 80s F.

**Visibility:** Check the slide above for more details .

## Precip Forecast: 8 AM CT



Wind Speed  
9 AM CT



High Temps

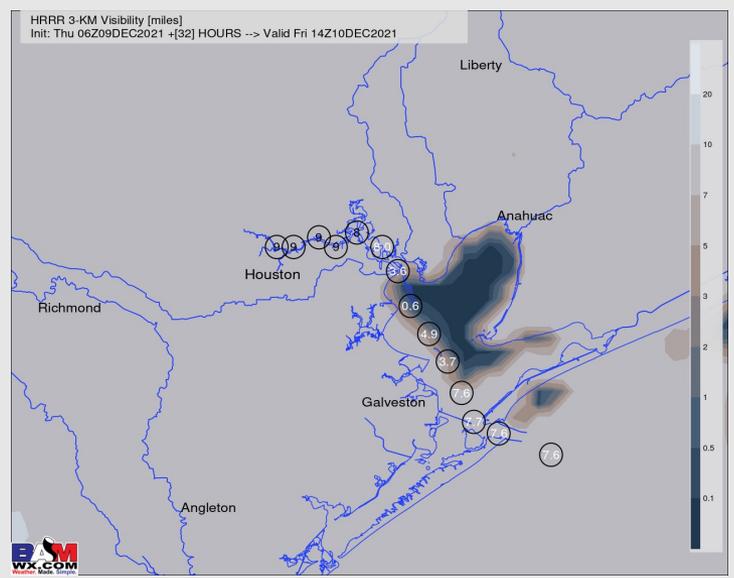
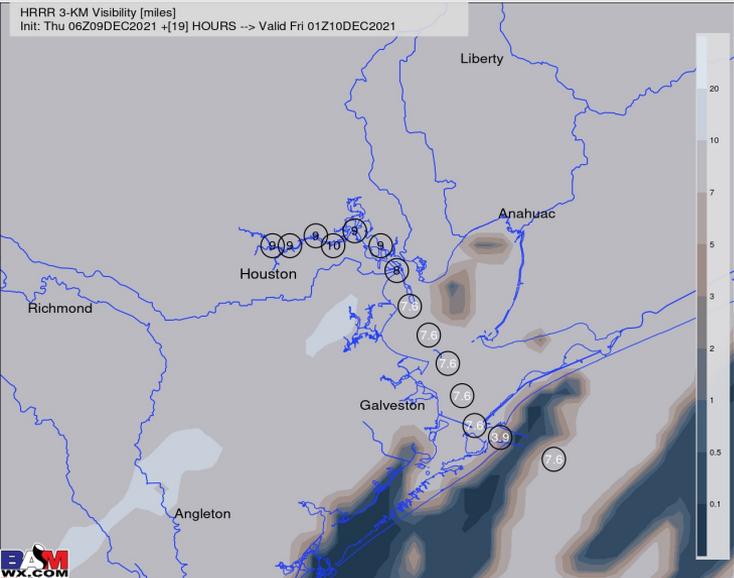
# Houston Pilots Visibility Report



## 12 AM CT FRI Visibility (miles)

## 9 AM CT FRI Visibility (miles)

## Confidence



**Fog Threat**

10 PM THU – 9 AM FRI Medium

- Winds will be a big factor in the evolution of the fog forecast fog Friday. As discussed in prior reports, winds slightly higher than modeled = lower fog risk, and vice versa.
- We currently think that any fog Friday AM will be sea fog that would start near the boarding station and advect north toward Morgan’s point. The slightly elevated winds would likely help prevent fog for our far northerly stations.
- Given how data has handled timing somewhat poorly as of late, lower confidence exists on timing. At the moment, fog starting around ~10 PM Thursday (boarding station), ~3 AM Friday (Morgan’s Point), and lasting through 9-10 AM is favored. We do not believe fog will persist for any one station during that entire window, however.

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



## Forecast Discussion

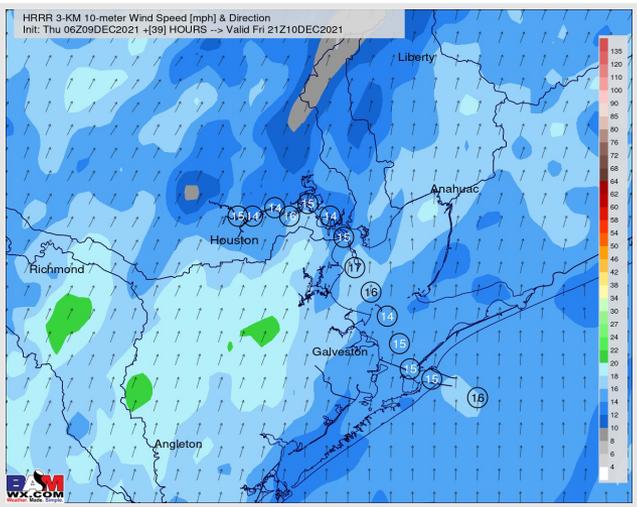
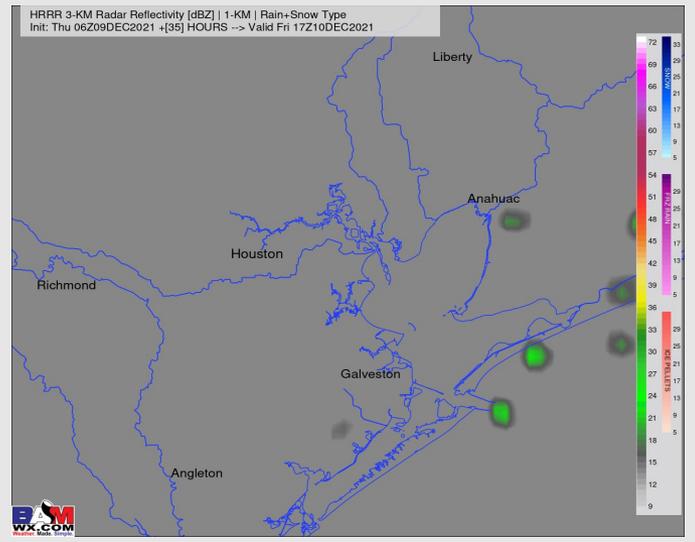
**Precip:** A 30% chance of a few isolated areas of drizzle/ very light rain in the early PM hours on Fri for our stations. Coverage would be rather spotty and intensity is favored to be quite light.

**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 23 MPH possible for the afternoon. Winds look to start calming down closer to midnight out ahead of the next cold front.

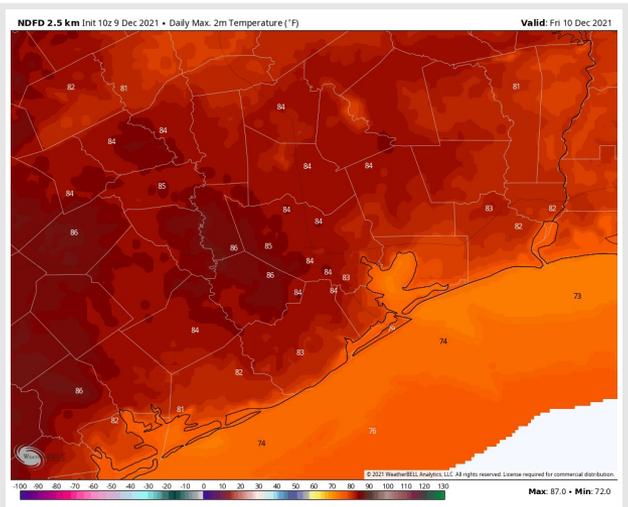
**Temps:** High temperatures Fri look to be in the upper 70s to low 80s F.

**Visibility:** Check slide above for more details.

## Precip Forecast: 12 PM CT



Wind Speed:  
10 AM CT



High Temps  
Friday

## Forecast Discussion

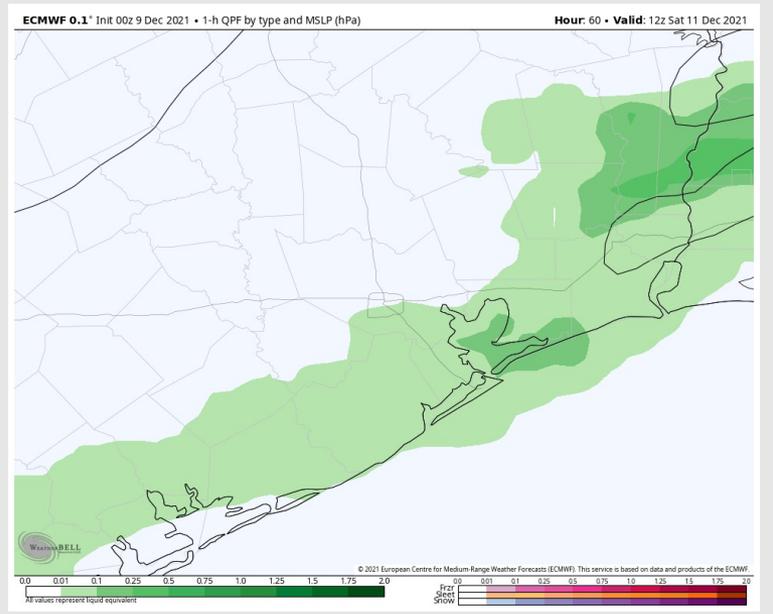
**Precip:** A cold front will be the primary precipitation focus that could bring a few thunderstorms with it. Currently eyeing the 4 – 7 AM window for this front to move through. A period of to heavy rain, lightning , and briefly gusty winds will all be possible. Once this moves through, the rest of the day is favored to stay on the quiet side

**Wind:** Winds will turn from SW to NW in that 4 – 7 AM window and also increase. As the front passes, any cells hold the potential for wind gusts to ~30 MPH. Once the front passes, a sustained wind at the boarding station of 23 – 28 MPH with gusts 28 – 33 MPH will be possible the rest of the day.

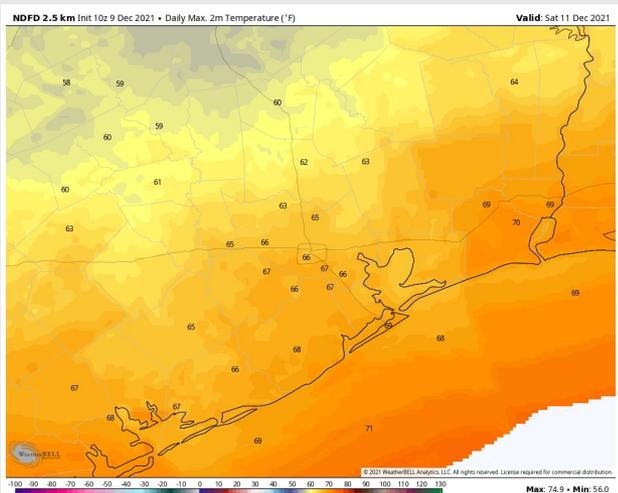
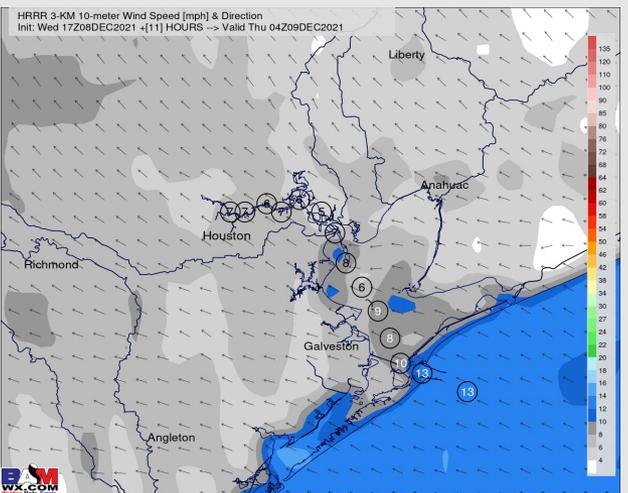
**Temps:** Highs will be reached in the AM hours before a cold front cools things off. Afternoon temps likely only sit in the lower 60s.

**Visibility:** Fog for stations S of Morgan’s point before the front cannot be ruled out. Once the front passes, the fog threat will be taken away

## Precip Forecast: 6 AM CT

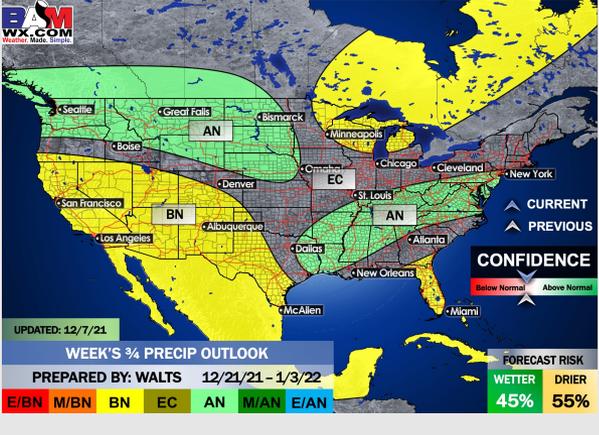
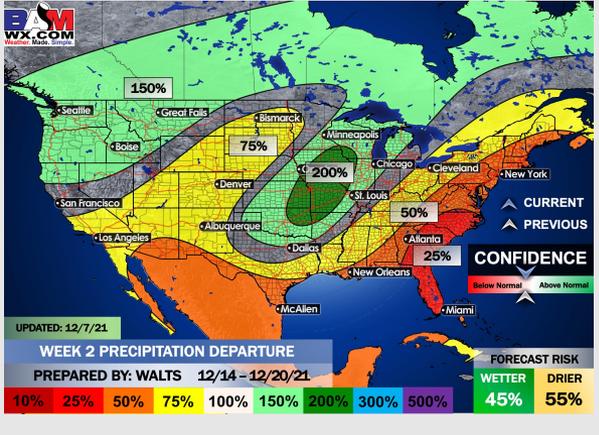
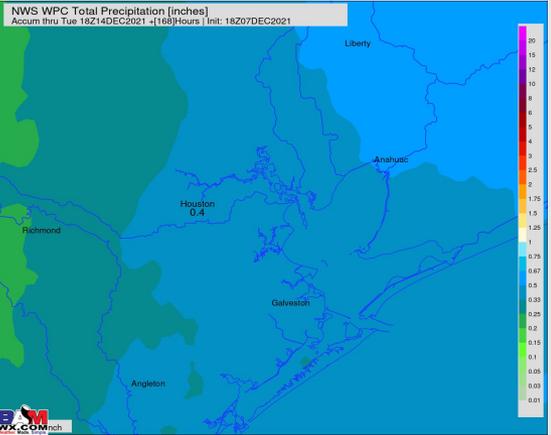
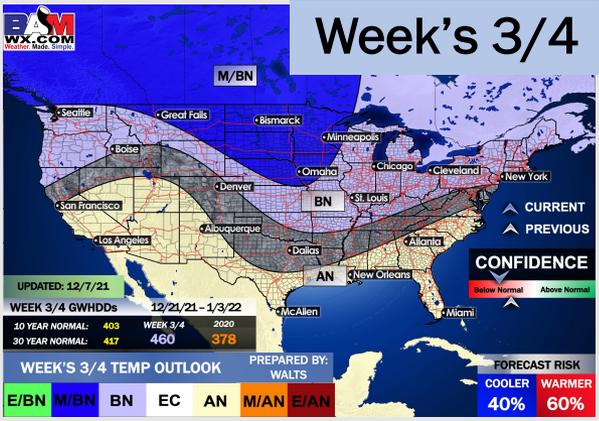
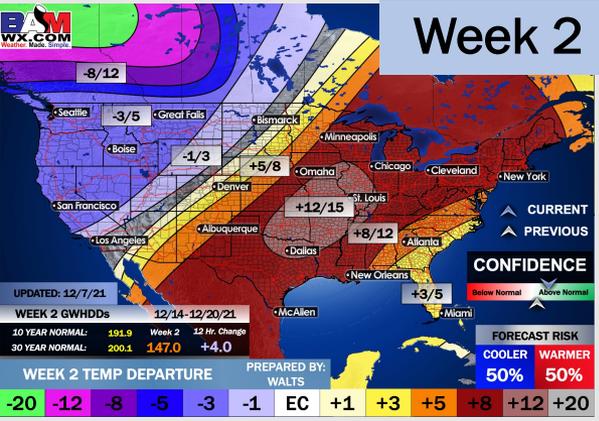
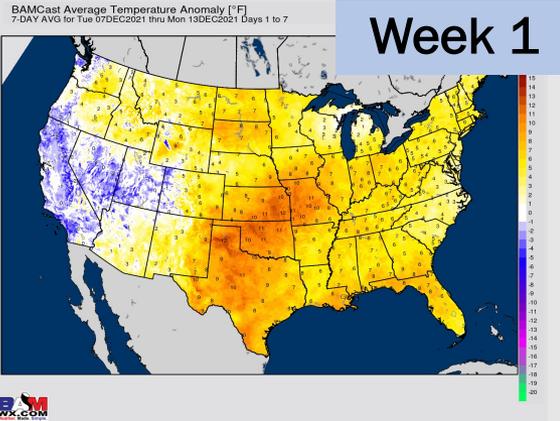


Wind Speed  
9 PM CT



High Temps  
Saturday

# Houston Pilots: 12/8/21



- 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.