

# Houston Pilots Forecast Package



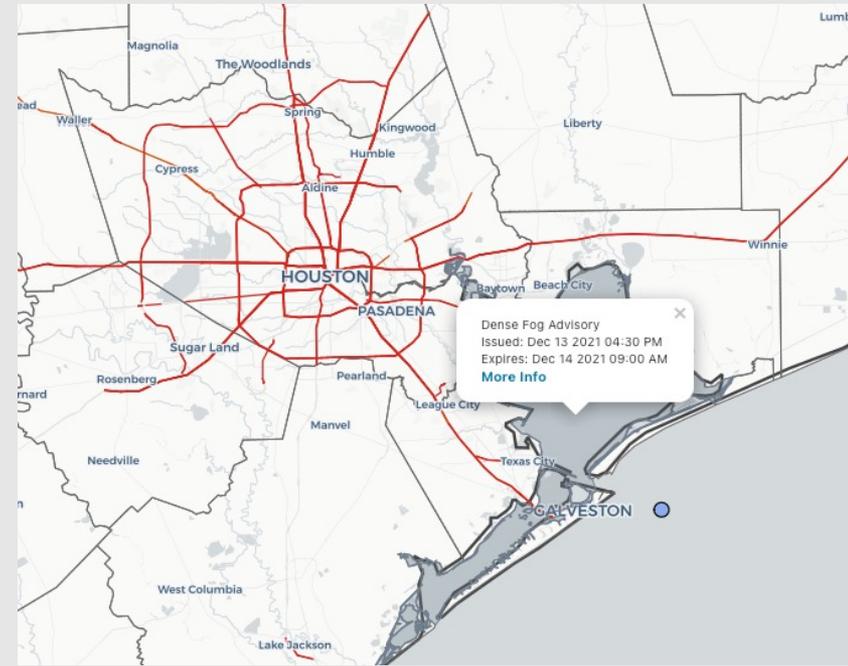
Updated: 5:00 AM CT

Tuesday, December 14, 2021

Forecaster: Vince Bryan

## Weather Headlines

- Dense fog advisory in effect currently through 9 AM today.
- Daily fog chances likely continue into the weekend
- Anticipating a generally quiet work week with only minor chances of rather light pockets of drizzle/light showers.
- Temps will continue to remain above average for the week.



**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	12-14-2021 Tue 3am	12-14-2021 Tue 4am	12-14-2021 Tue 5am	12-14-2021 Tue 6am	12-14-2021 Tue 7am	12-14-2021 Tue 8am	12-14-2021 Tue 9am	12-14-2021 Tue 10am	12-14-2021 Tue 11am	12-14-2021 Tue 12pm	12-14-2021 Tue 1pm	12-14-2021 Tue 2pm	12-14-2021 Tue 3pm	12-14-2021 Tue 4pm	12-14-2021 Tue 5pm	12-14-2021 Tue 6pm	12-14-2021 Tue 7pm	12-14-2021 Tue 8pm	12-14-2021 Tue 9pm	12-14-2021 Tue 10pm	12-14-2021 Tue 11pm	12-15-2021 Wed 12am	12-15-2021 Wed 1am	12-15-2021 Wed 2am	12-15-2021 Wed 3am	12-15-2021 Wed 4am	12-15-2021 Wed 5am	12-15-2021 Wed 6am	12-15-2021 Wed 7am	12-15-2021 Wed 8am	12-15-2021 Wed 9am	12-15-2021 Wed 10am	12-15-2021 Wed 11am	12-15-2021 Wed 12pm	12-15-2021 Wed 1pm	12-15-2021 Wed 2pm
Houston Pilots N - 610 Bridge	6.115	0.433	0.272	7.581	5.339	7.263	8.016	9.598	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.364	7.954	6.964	6.964	5.926	5.603	4.931	4.931	4.931	4.897	3.943	3.615	3.642	0.716	0.289	2.958	6.603	10.000	10.000	10.000	10.000
Houston Pilots M - Kinder 1	6.115	0.251	0.272	7.581	5.339	7.263	8.016	9.596	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	7.954	6.964	6.964	5.926	5.601	4.931	4.931	4.931	4.897	3.943	3.613	3.639	2.425	2.585	3.072	6.535	10.000	10.000	10.000	10.000
Houston Pilots L - Greens Bayou	6.115	0.122	1.916	0.325	5.339	1.402	7.951	9.497	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	7.954	6.952	6.952	5.918	5.886	4.931	4.931	4.931	4.897	4.812	4.814	4.817	4.814	5.253	5.523	7.325	10.000	10.000	10.000	10.000
Houston Pilots K - Shell Crude	6.115	3.641	1.916	0.186	5.339	0.902	7.911	9.338	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	7.638	6.948	6.922	5.887	5.046	4.931	4.615	4.615	7.999	7.999	8.033	8.004	8.033	8.004	9.038	9.033	10.000	10.000	10.000	10.000
Houston Pilots J - Lynchburg Ferries	5.973	7.581	1.916	0.206	5.339	0.276	7.641	8.662	10.000	10.000	10.000	9.989	10.000	9.654	9.601	9.780	7.954	6.920	6.920	5.886	5.618	4.931	4.931	4.931	7.999	7.999	8.033	8.004	8.033	8.004	9.038	9.033	10.000	10.000	10.000	10.000
Houston Pilots I - Exxon 3	0.220	7.581	1.905	0.263	0.195	0.153	7.584	8.423	9.682	10.000	10.000	9.914	9.659	9.618	9.331	9.158	7.086	6.920	6.920	5.886	4.931	4.582	2.915	2.915	7.999	7.999	8.033	8.004	8.033	8.004	9.038	9.033	9.751	10.000	10.000	10.000
Houston Pilots H - Morgans Point	0.300	7.581	0.254	0.188	0.117	0.127	7.584	8.220	9.150	9.740	9.752	9.780	9.550	9.618	9.151	7.924	6.920	6.920	6.667	4.931	4.931	4.292	2.246	4.444	7.999	7.999	8.033	8.004	8.407	8.927	9.038	9.033	9.038	10.000	10.000	10.000
Houston Pilots G - 75/76	2.722	7.581	0.232	2.672	7.581	7.581	7.591	8.315	9.411	9.752	9.717	9.767	10.000	10.000	9.664	7.924	6.920	6.920	5.886	4.931	3.897	3.897	3.500	3.977	7.999	7.999	8.033	8.004	8.449	8.927	9.038	9.033	9.038	10.000	10.000	10.000
Houston Pilots F - 63/64	7.576	7.581	7.534	7.581	7.581	7.581	7.614	8.076	8.611	9.098	9.359	9.072	9.764	9.892	8.617	7.962	6.920	6.920	5.886	4.931	4.616	4.616	4.616	4.616	7.999	7.999	8.033	8.004	8.449	8.927	9.038	9.033	9.038	10.000	10.000	10.000
Houston Pilots E - 51/52	7.581	7.581	7.581	7.581	7.581	7.581	7.689	8.122	8.559	9.112	9.328	9.074	9.772	9.892	8.532	6.890	5.886	4.931	1.002	4.321	4.321	4.321	4.708	4.708	7.999	7.999	8.033	8.004	8.449	8.927	9.038	9.033	9.038	10.000	10.000	10.000
Houston Pilots D - 37/38	7.581	7.581	7.581	7.581	7.581	7.581	7.751	8.136	8.679	9.125	9.009	9.211	9.789	9.600	8.263	6.890	5.886	4.931	1.559	3.534	3.200	3.431	3.434	4.708	5.827	7.999	7.999	8.033	8.414	8.698	9.038	9.038	9.033	9.038	9.038	9.038
Houston Pilots C - 25/26	7.581	7.581	7.581	7.581	7.581	7.581	7.619	7.966	8.416	8.911	8.698	8.971	9.432	9.300	7.738	6.938	5.886	4.931	2.755	3.431	3.431	3.434	6.024	7.712	7.999	7.999	8.033	9.038	8.988	9.038	9.038	9.033	9.038	10.000	10.000	10.000
Houston Pilots B - 11/12	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.857	8.090	7.916	7.740	7.819	7.906	7.702	0.190	6.938	5.886	4.931	2.470	1.889	1.889	4.787	7.698	8.033	7.999	7.999	8.033	8.618	8.988	9.038	9.038	9.033	9.038	9.038	9.038	9.038
Houston Pilots A - 1 & 2 Bravo	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.581	7.603	7.581	7.581	7.581	7.581	1.047	0.823	2.727	0.292	0.310	1.755	1.770	1.770	8.033	8.033	8.033	7.999	7.999	8.033	8.004	8.033	8.004	9.038	9.033	9.038	9.038	9.038	8.389

See slides below for more info Wed AM

# Houston Pilots Extended Range Visibility Report



## Friday, 12/17/21

Fog will be possible on Fri AM for our stations, SE winds would aid in sea fog development.



## Saturday, 12/18/21

Anticipating a front sometime in the late AM – early PM hours on Sat however, fog out ahead of the front will certainly be possible with light southerly winds.



## Sunday, 12/19/21

Currently not anticipating fog at our stations on Sun, elevated winds out of the NE would inhibit this potential.



## Daily Fog Chance

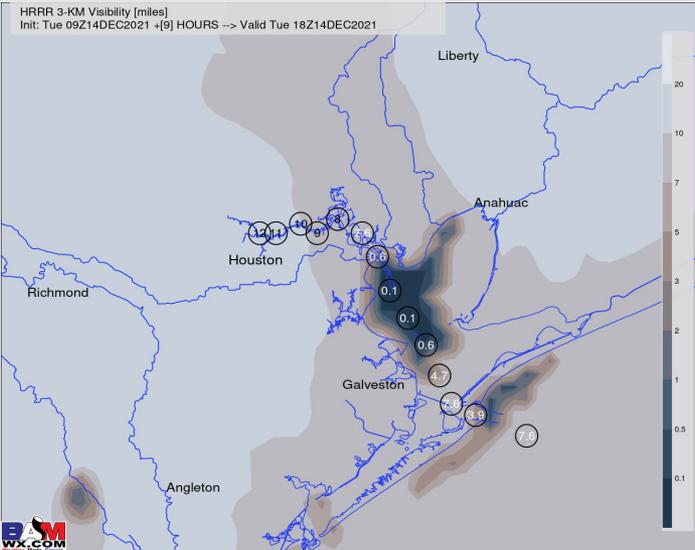
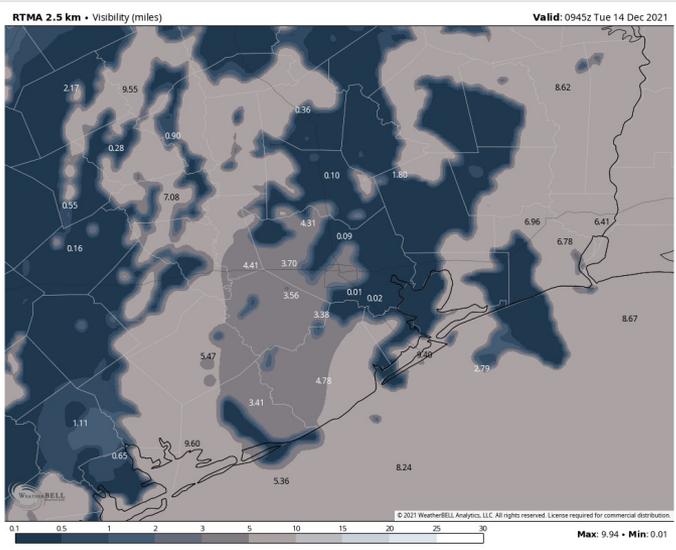
Friday AM	Possible
Saturday AM	Possible
Sunday AM	Unlikely

# Houston Pilots Visibility Report



## Current Visibility (miles)      12 PM CT TUE Visibility (miles)

## Confidence



**Fog Threat**  
 CURRENT ~ 10-11 AM TUE      **Medium-High**

- Patchy fog around around the area will continue through at least ~10 AM. Beyond 10 AM we favor most of the widespread fog around the area to slowly lift, however it needs to be noted that atmospheric profiles/ favored model data shown above would support there to be instances of patchy, dense fog continuing into the early afternoon in a hit and miss nature for Morgan’s Point and points South.
- With any fog, visibilities of less than 1-2 miles will certainly be possible.
- Low clouds with a ceiling of only a few hundred feet and visibilities of 3-6 miles will be likely in areas that are able to see the fog lift.
- Latest data would suggest that the opportunity for fog can slowly start to increase/ expand in coverage around the 2-3 PM timeframe and continue into the evening hours primarily for stations S of Morgan’s Point.

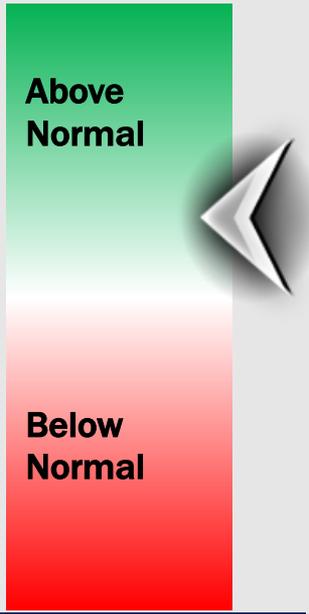
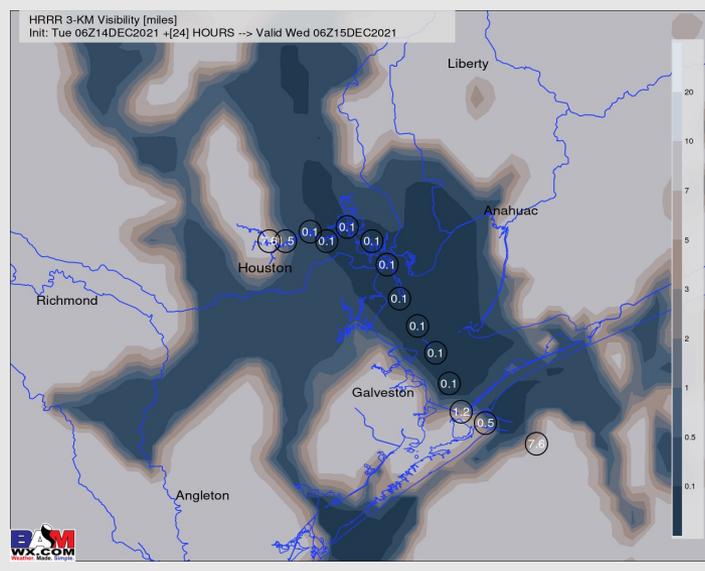
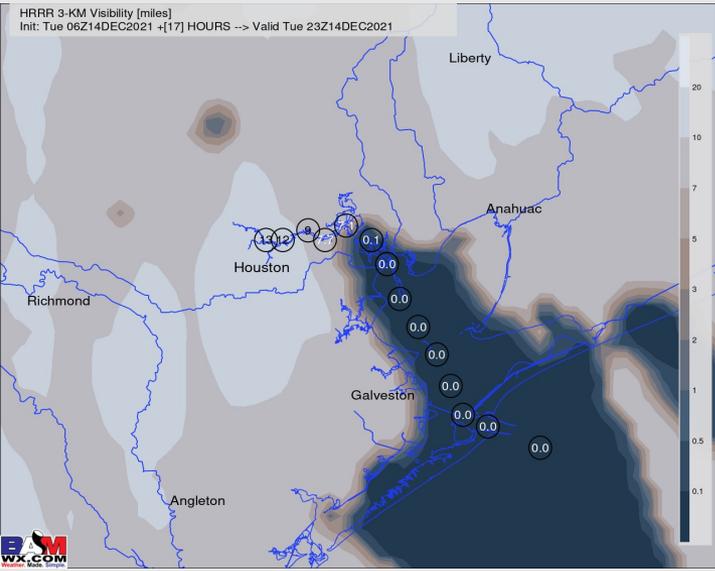
# Houston Pilots Visibility Report



## 8 PM CT TUE (miles)

## 12 AM CT WED Visibility (miles)

## Confidence



**Fog Threat**

3 PM TUE – 9 AM WED High

- The deeper into the evening hours we go tonight, the more we favor fog to become slightly less patchy and more widespread in coverage (similar to what we saw Monday evening).
- Dense fog limiting visibility to less than a mile in spots will be likely. Best opportunity to see these greatly reduced visibilities comes for all stations S of Morgan’s Point, however fog for stations N of Morgan’s Point will still certainly be possible.
- Current data would support this fog slowly starting to become a bit more patchy again by ~8-9 AM Wed.
- Similar to the forecast today (TUE), a few patches of fog mid-late AM will be possible before another round of fog will be possible WED PM, however slightly lower confidence on exact timing. More details in coming reports.

# Houston Pilots: Tue. 12/14/2021



## Forecast Discussion

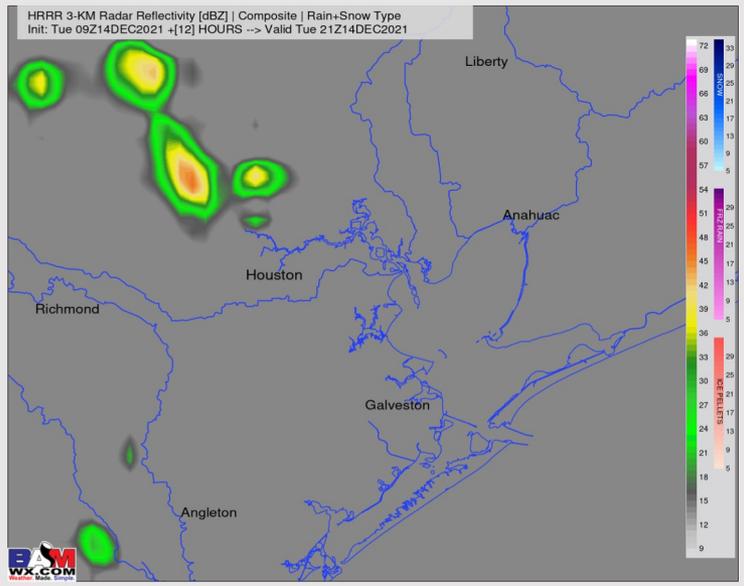
**Precip:** A 10-20% chance of a few spotty showers continue for most of Tue with SE flow, however, still anticipating more dry time than not for our stations.

**Wind:** Sustained winds look to be 8-13 MPH out of the SE for most of the day on Tue at the boarding station, picking up slightly at 12-17 MPH in the afternoon hours past ~2 PM.

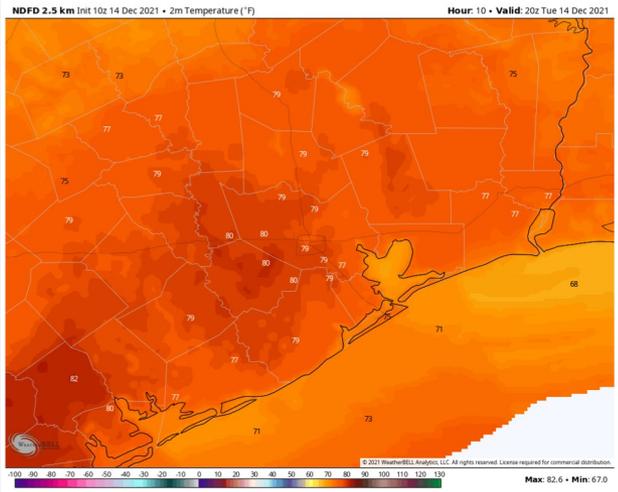
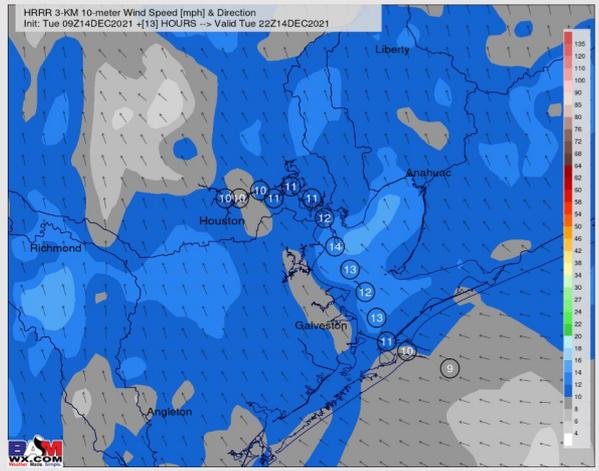
**Temps:** High temperatures are favored to sit in the mid to upper 70s F on Tue.

**Visibility:** See slide above for more info on fog this AM.

## Precip Forecast: 3 PM CT



Wind Speed  
4 PM CT



High Temps  
Tuesday

# Houston Pilots: Wed. 12/15/2021



## Forecast Discussion

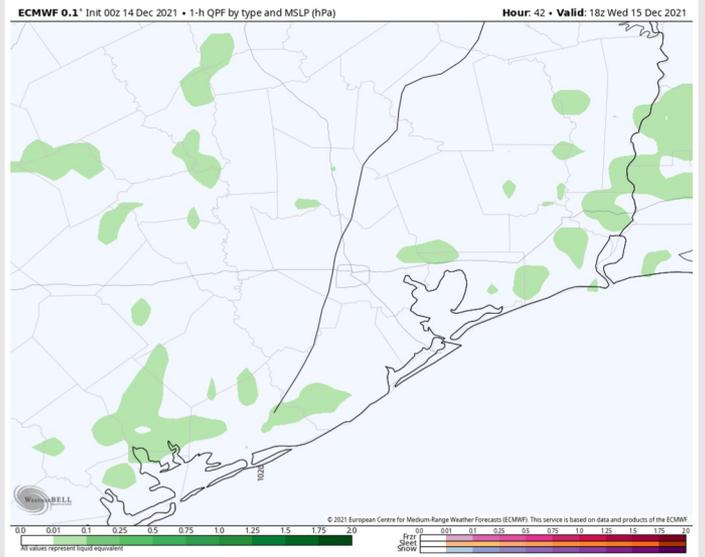
**Precip:** Similar to the past few days, a 10~20% chance of an isolated shower from the late AM to afternoon hours on Wed. Anticipating much more dry time than not for our stations on Wed.

**Wind:** Sustained winds for most of the day look to be 10-15 MPH out of the SE with gusts 15-20 MPH possible at the boarding station through sundown. After sundown and beyond, winds look to pick up closer to 13-18 MPH with gusts 18-23 MPH possible at the boarding station.

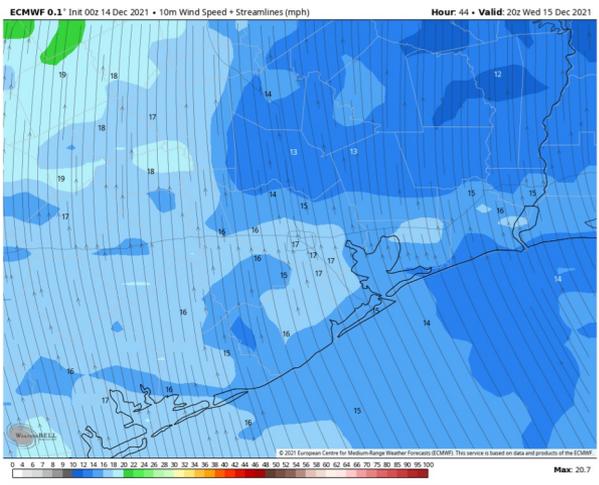
**Temps:** High temperatures on Wed look to be in the upper 70s to low 80s F.

**Visibility:** See slide above for more info on fog Wed AM.

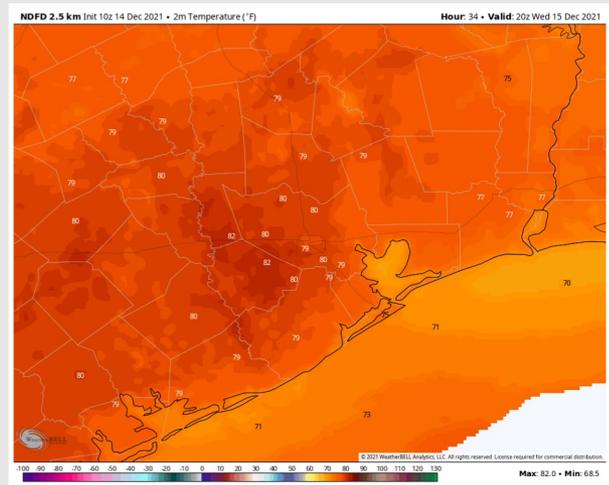
## Precip Forecast: 12 PM CT



Wind Speed  
2 PM CT



High Temps  
Wednesday



# Houston Pilots: Thu. 12/16/2021



## Forecast Discussion

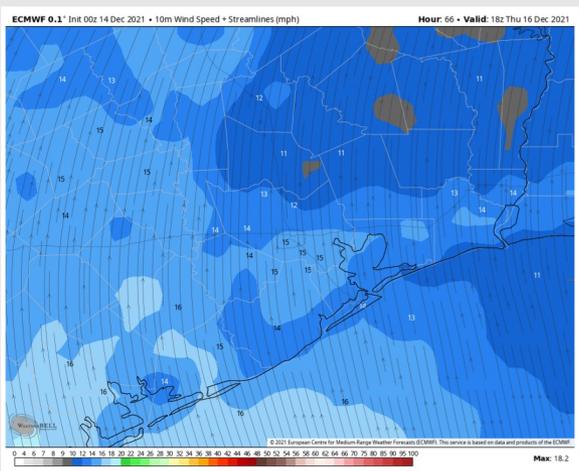
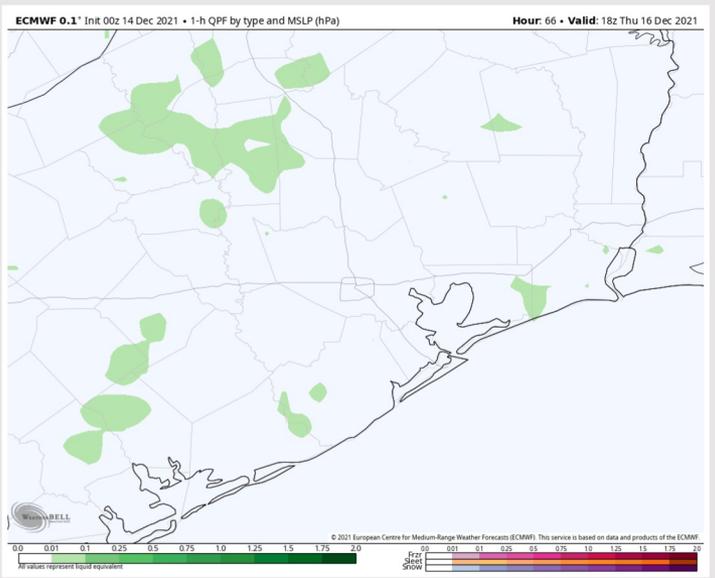
**Precip:** At most a 10% chance of an isolated shower in the late AM to early afternoon hours on Thu. Like the past few days, anticipating more dry time than not for our stations.

**Wind:** Sustained winds look to be 10-15 MPH out of the SE for most of the day on Thu at the boarding station. Gusts 15-20 MPH will be possible at the boarding station throughout the day.

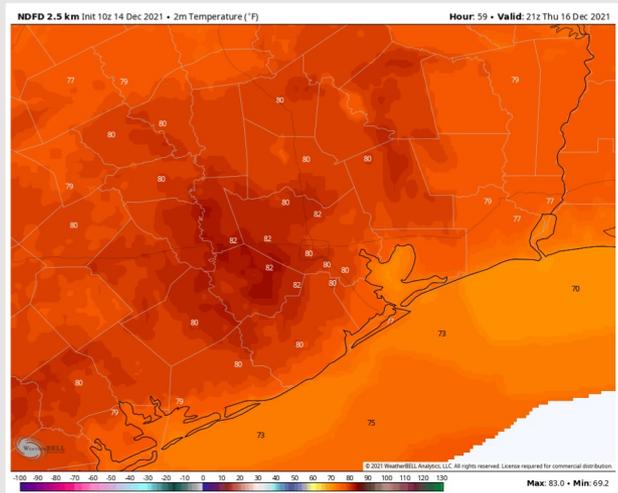
**Temps:** High temps look to be in the low 80s F on Thu.

**Visibility:** Keeping an eye on the potential for fog again Wed night into Thu AM for further updates.

## Precip Forecast: 12 PM CT

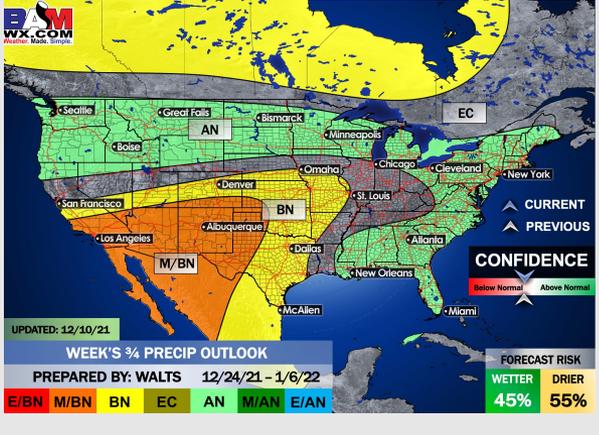
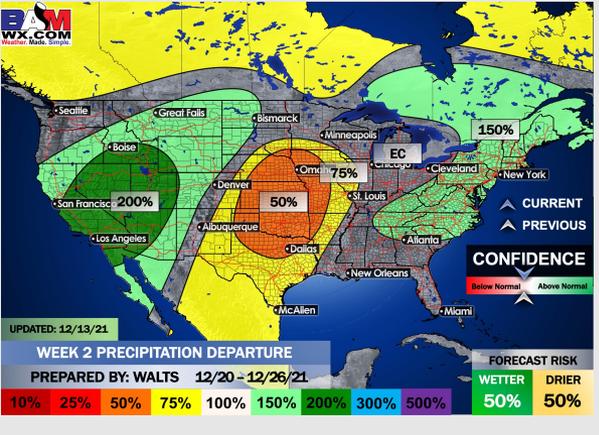
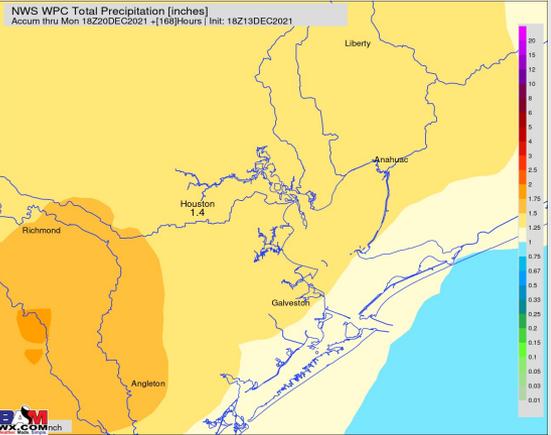
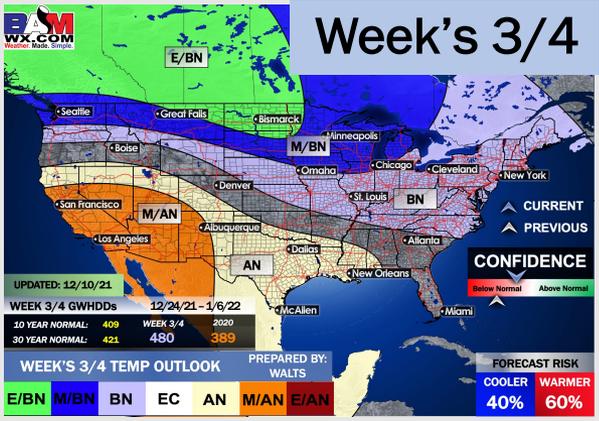
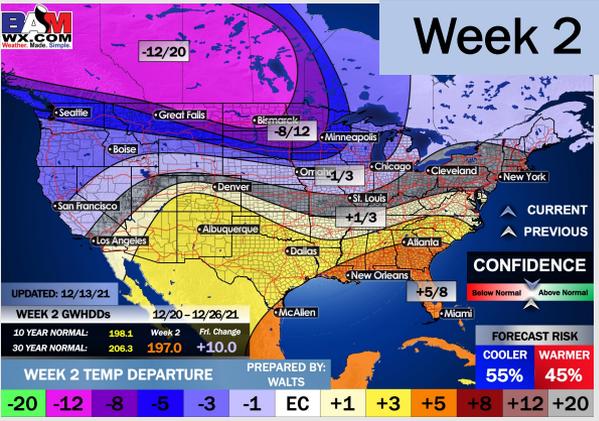
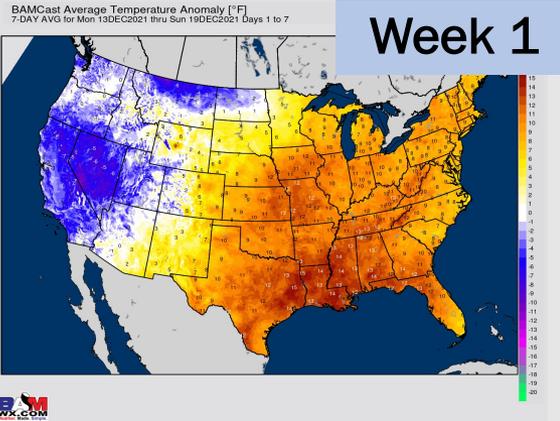


Wind Speed:  
12 PM CT



High Temps  
Thursday

# Houston Pilots: 12/14/21



- Minor precip chances over the next few days thanks to the return of onshore flow and low level moisture. Better chances of seeing precip come with a front in the upcoming weekend. Temps remain above average this week.
- The week 2 timeframe is expected to have above normal temperatures and near normal to slightly below normal risks for precip.
- Right now, we are favoring slightly above normal risks for temperatures and near normal to slightly below normal risks for precip for the end of December and the first week of Jan.